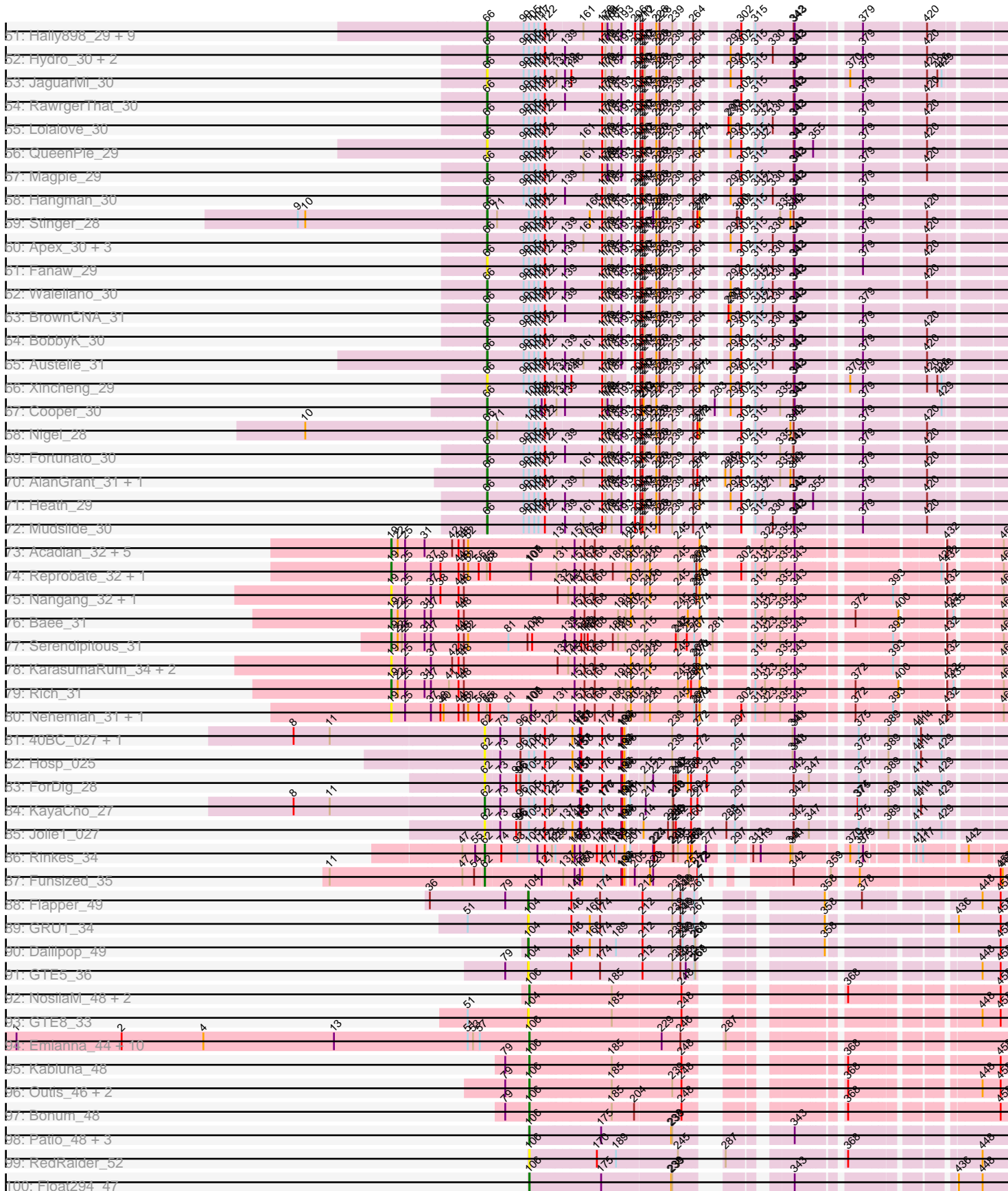
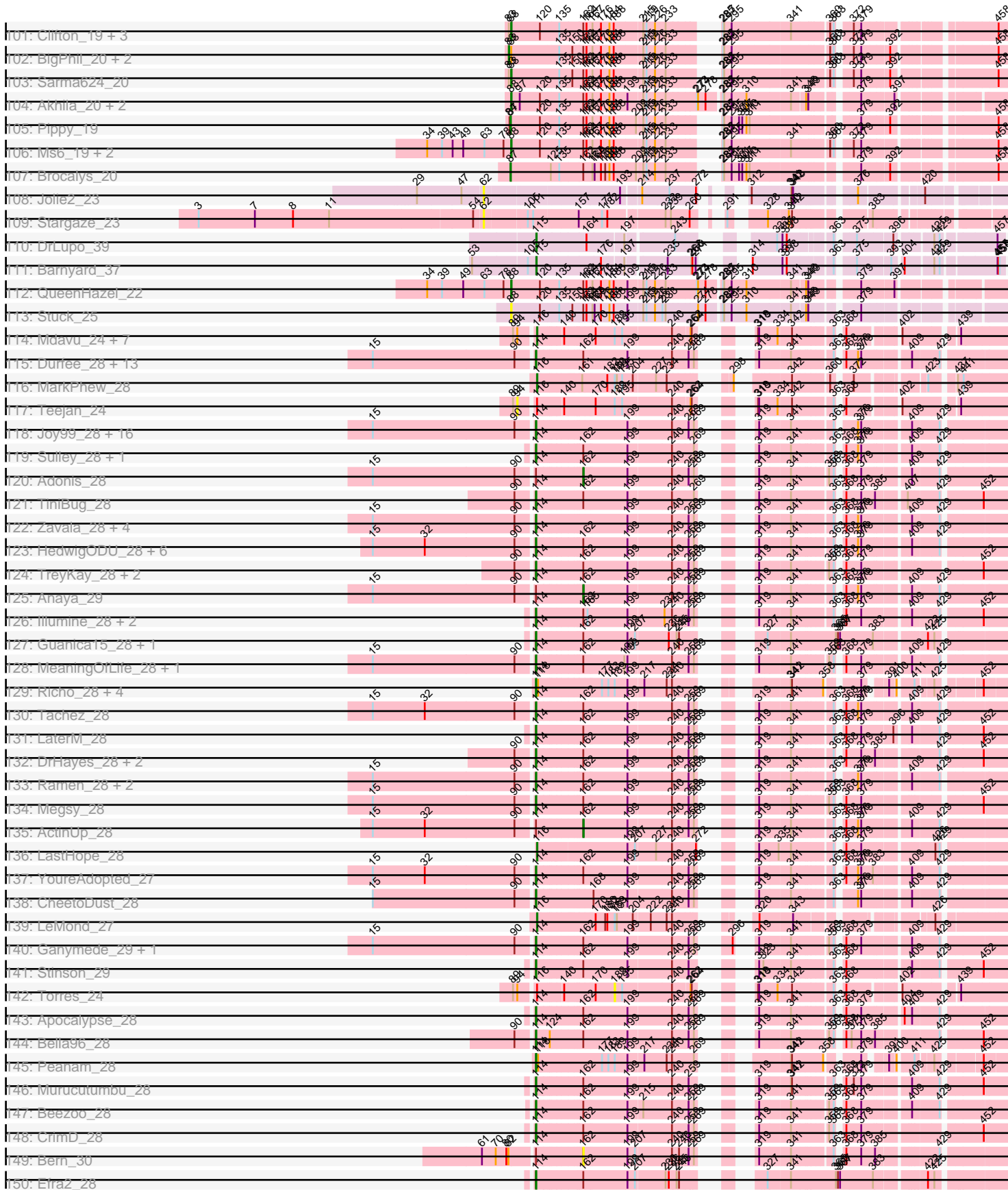


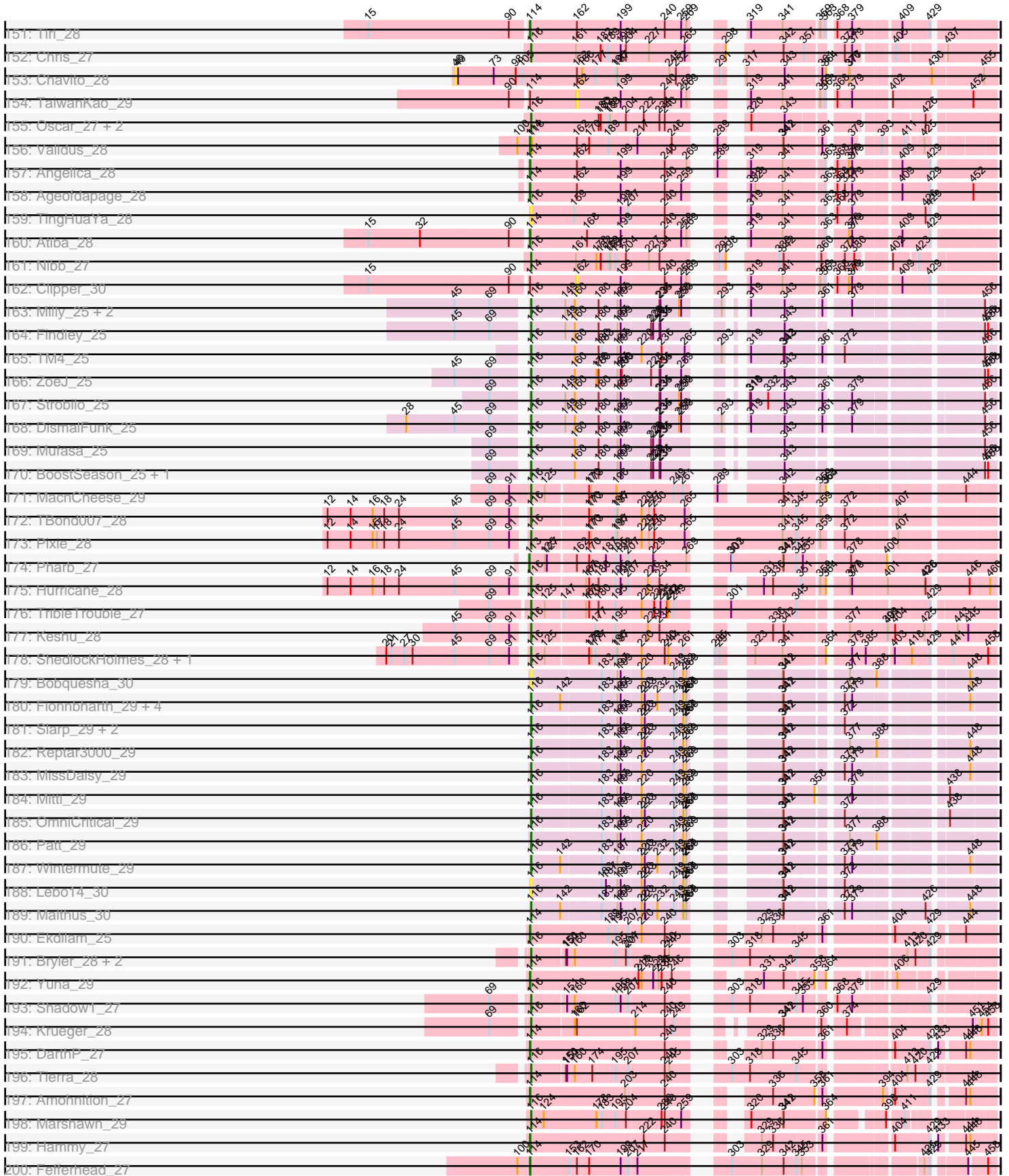
Pham 215655



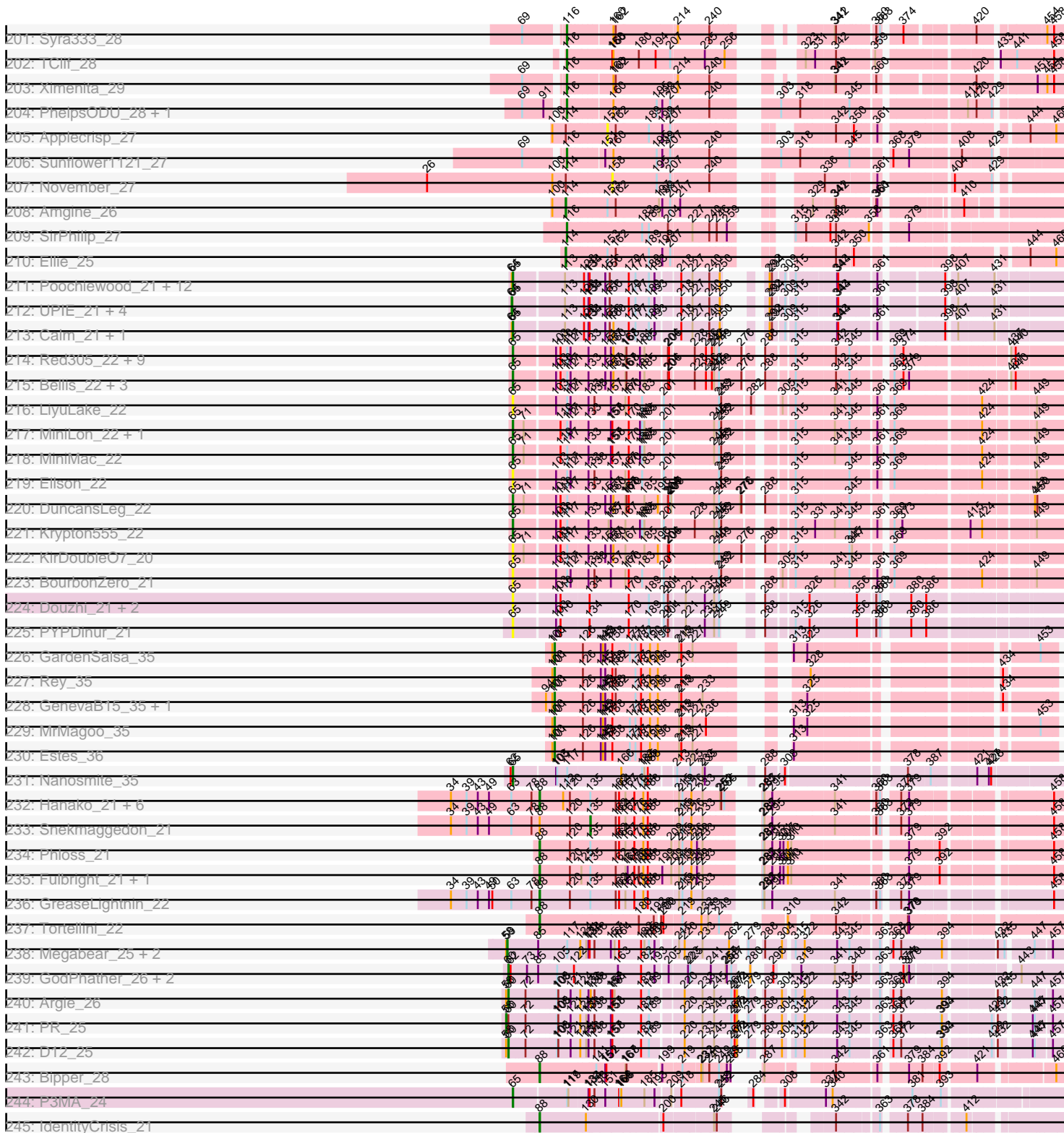
Pham 215655



Pham 215655



Pham 215655



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 215655 Report

This analysis was run 02/22/25 on database version 588.

Pham number 215655 has 755 members, 102 are drafts.

Phages represented in each track:

- Track 1 : NoShow_22
- Track 2 : Dori_29
- Track 3 : Mao1_27, Sejanus_28
- Track 4 : Mask_28
- Track 5 : Aikoy_42, Onyinye_43, Leopard_42
- Track 6 : Cannibal_33, Manad_32, Morgushi_33, Chute_32, Podrick_33, UAch1_33, Schadenfreude_32, Timmi_32, Coletti_32, PhrodoBaggins_32, Megatron_33, LeeLot_33, Robyn_32, PinheadLarry_33, Lopsy_32, ProfessorX_33, Chaelin_33, Anderson_33, Harvey_33, SassyCat97_32, Chah_34, RedMaple_32, Iridoclysis_33, Aelin_32, Colbert_33, SilverBell_33, Zelda_33, EmpTee_33, ShiVal_33, DonSanchon_32, Legolas_32, Carthage_31, Hocus_32, Brilliant_33, Skippy_33, Antonia_32, Daffy_33, Squid_33, Morty_33, Roscoe_34, Vaishali24_32, Windsor_32, Virgeve_32, Vortex_33, Vivaldi_33, Tooj_33, Kloppinator_33, 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, Quisquilliae_33, Phleuron_32
- Track 7 : Schueller_32, Gophee_33, Puhltonio_33, Phipps_33, Beaglebox_32, Telesworld_32, Riggan_33, Apizium_32, Altwerkus_32, Plmatters_33, DoesntMatter_33, Fringe_33, Numberten_33, Andre_33, Slatt_33, Virapocalypse_33, Burr_32, JangoPhett_33
- Track 8 : Kailash_33, LostAndPhound_32, Potter_32, Mag7_32, CampRoach_33, Jiminy_32, Caspiboi_34, LasagnaCat_33, Veritas_32, Swiphy_34, Doddsville_33, MitKao_33, Hartsy_33, Weher20_33, PhatLouie_33, Melc17_33, PhrankReynolds_32, Phergie_32, PhenghisKhan_32, Xavier_32, Mosaic_32, DuchessDung_31, Dati_33, BatteryCK_32, Oline_32, Iridessa_33, MichaelPhcott_32
- Track 9 : KingTut_24, Mana_32, Freya_32, Olak_32, Childish_32, Murdoc_33, Jesabah_33, Sigman_33, Scoot17C_33, BlackStallion_33, Lasso_33, Mcshane_32, Mecca_32, 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, Bluephacebaby_32, Kwadwo_32, Pacifista_32, Tomlarah_33, GeneCoco_33, Badfish_33, Adriana_33, Phareon_33, Held_33, Megamind20_33, Giraffe_33, Kimbrough_33, Lumine_32, Horchata_33, Oosterbaan_33, Longacauda_32, Nyala_32, Matalotodo_33, KingVeVeVe_33, Kahve_32, Usavi_33, Inverness_33, LeiMonet_33, Jillium_32, Eugenia_33, LemonSlice_33, MRabcd_32, LuckyMarjie_32, HighStump_32, HSavage_33, DirtJuice_33, Vaticameos_33, Frankicide_33, Mesh1_33, YouGoGlencoco_33, Sheila_33, Cher_32, PG1_33, Boehler_33, JacAttac_33, Dione_32, Plata_33, Katniss_33, Squiggle_33,

HenryJackson_32, Charles1_33, PhatCats2014_33, True_32, 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, Mesmerelda_33, Yoshand_33, FluffyNinja_33, Toni_32, Hertubise_33, 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, Basato_34, Waterdiva_33, Nicole21_33, Grand2040_32, Solosis_32, OliverWalter_33, Selr12_33, Maru_32, Inchworm_33, Dice_32, UncleHowie_33, MiniBoss_33, Kikipoo_33, Prickles_33, ThreeOh3D2_33, Pherdinand_33, Orwigg_32, Derpp_32, Magic8_33, TyrionL_32, Zonia_33, KLucky39_33, Vista_33, Omniscient_33, AbsoluteMadLad_32, Buckeye_33, Swish_33, Pipsqueak_33, Lego3393_33, SDcharge11_33, Fang_33, Duggie_32, Banjo_32, Wallhey_32, Roliet_33, Chipette_34

- Track 10 : Kwksand96_32, Durga_33, Ashraf_32, Emiris_33, Cobra_33, JDog_32, ElvisPhasley_33, Fozzie_32, Pops_33, MelsMeow_32, Gyrad_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 11 : DaddyDaniels_33, TomBombadil_33, JakeO_32, Struggle_32, Jiraiya_32, Thunderbird_32
- Track 12 : Chunky_33
- Track 13 : Cosmolli16_32
- Track 14 : Eremos_33
- Track 15 : Daka_33, Cornobble_32
- Track 16 : LilMcDreamy_28
- Track 17 : Lars_33, Rosebush_33, Arbiter_33, Hedgerow_33, Allegro_33, FrenchFry_33
- Track 18 : Kaleb_33, Eaglehorse_33, LizLemon_33
- Track 19 : PrinceCharming_33, Coffee_33, Opia_33, Sabella_33, Holeinone_33, Tres_33
- Track 20 : Kolhan_33
- Track 21 : Qyrzula_31
- Track 22 : Glass_33, Phantasmagoria_33, Faze9_33
- Track 23 : LilSmirk_33, ItsyBitsy1_33, Calamitous_33
- Track 24 : Bananafish_33
- Track 25 : Kheth_33
- Track 26 : Blocker23_33, Lephleur_33
- Track 27 : Ares_33
- Track 28 : West99_33
- Track 29 : TA17A_34
- Track 30 : Rhinoforte_33, Boyle_33
- Track 31 : Vic9_00033
- Track 32 : Laurie_33
- Track 33 : Tinciduntolum_34, Brownie5_33
- Track 34 : Godines_33
- Track 35 : Devonte_33, RomaT_33, Nozo_33, ChaChing_33, Morty007_33, Marley1013_33, RagingRooster_33, Akoma_33, Chandler_33, LestyG_33, Abinghost_33, Deenasa_33, Shenandoah_33, Chentzyk_32, Audrey_33, SynergyX_33, Neos5_33, Heathcliff_33, Daisy_33, OrangeOswald_33, Chalmers_33
- Track 36 : Rita1961_33, Obutu_33
- Track 37 : Athena_34, Gervas_33, Tydolla_33, Baloo_33
- Track 38 : Glubnar_33
- Track 39 : Compostia_34, GlenHope_34

- Track 40 : Mortcellus_32
- Track 41 : Yahalom_33, Phlyer_33, Jackstina_30, Gadget_34, Phaedrus_31, Marlia_33, HarveySr_33
- Track 42 : SlippinJimmy_33, Kamiyu_33, Yinz_33
- Track 43 : Casbah_32
- Track 44 : TinyTerror_33
- Track 45 : Olivio_32, Kronus_32, Ben11_32
- Track 46 : Philly_32
- Track 47 : Bernardo_33
- Track 48 : SwainyDoc_33
- Track 49 : Halfpint_32
- Track 50 : MmasiCarm_33
- Track 51 : Hally898_29, Antihero_29, Ahwei_29, Poster_29, JAMaL_30, ChrisnMich_29, Lambano_29, Epah_29, GinPorsche_29, Nanao_29
- Track 52 : Hydro_30, Mithril_30, Zemanar_31
- Track 53 : JaguarMi_30
- Track 54 : RawrgerThat_30
- Track 55 : Lolalove_30
- Track 56 : QueenPie_29
- Track 57 : Magpie_29
- Track 58 : Hangman_30
- Track 59 : Stinger_28
- Track 60 : Apex_30, VioletZ_30, Prince_30, Frederick_30
- Track 61 : Fanaw_29
- Track 62 : Waleliano_30
- Track 63 : BrownCNA_31
- Track 64 : BobbyK_30
- Track 65 : Austelle_31
- Track 66 : Xincheng_29
- Track 67 : Cooper_30
- Track 68 : Nigel_28
- Track 69 : Fortunato_30
- Track 70 : AlanGrant_31, Vincenzo_31
- Track 71 : Heath_29
- Track 72 : Mudslide_30
- Track 73 : Acadian_32, Rita130_32, EastView9101_31, Donny_32, Suigeneris_32, SirJeffery_32
- Track 74 : Reprobate_32, Phelemich_32
- Track 75 : Nangang_32, DigitDog_32
- Track 76 : Bae_31
- Track 77 : Serendipitous_31
- Track 78 : KarasumaRum_34, Shenyu_32, StinkyVeggy_34
- Track 79 : Rich_31
- Track 80 : Nehemiah_31, Mysterious_33
- Track 81 : 40BC_027, 39HC_027
- Track 82 : Hosp_025
- Track 83 : ForDig_28
- Track 84 : KayaCho_27
- Track 85 : Jolie1_027
- Track 86 : Rinkes_34
- Track 87 : Funsized_35
- Track 88 : Flapper_49
- Track 89 : GRU1_34

- Track 90 : Dalilpop_49
- Track 91 : GTE5_36
- Track 92 : NosilaM_48, Buggaboo_46, SuperSulley_46
- Track 93 : GTE8_33
- Track 94 : Emianna_44, Kurt_44, NovumRegina_44, GrootJr_46, Tracker_44, NatB6_44, KidneyBean_44, Phomeo_43, Foxboro_45, Wheezy_44, Jifall16_43
- Track 95 : Kabluna_48
- Track 96 : Outis_46, MerCougar_46, StarStruck_46
- Track 97 : Bonum_48
- Track 98 : Patio_48, Skysand_47, Lollipop1437_50, Ennea_51
- Track 99 : RedRaider_52
- Track 100 : Float294_47
- Track 101 : Clifton_19, LastJedi_19, Crumble_19, Koella_19
- Track 102 : BigPhil_20, Cerasum_20, Velveteen_20
- Track 103 : Sarma624_20
- Track 104 : Akhila_20, Xula_21, MilanaBonita_20
- Track 105 : Pippy_19
- Track 106 : Ms6_19, SpongeBob_21, Jamie19_21
- Track 107 : Brocalys_20
- Track 108 : Jolie2_23
- Track 109 : Stargaze_23
- Track 110 : DrLupo_39
- Track 111 : Barnyard_37
- Track 112 : QueenHazel_22
- Track 113 : Stuck_25
- Track 114 : Mdavu_24, Amelie_24, Nikao_24, LilPharaoh_24, Enkosi_24, Binglebops_24, SgtBeansprout_24, Nutello_24
- Track 115 : Durfee_28, Pokerus_27, Boiiii_28, Padfoot_28, Asayake_28, AlishaPH_28, BaghaKamala_28, Piatt_28, BEEEST_28, CaseJules_28, Hyperbowlee_28, Blizzard_28, Homura_28, ShiaSurprise_28
- Track 116 : MarkPhew_28
- Track 117 : Teejan_24
- Track 118 : Joy99_28, Dalmuri_28, Inky_28, Jeckyll_28, Capricorn_28, BGIlluviae_28, CallaLilly_29, CREW_28, Belladonna_28, Jarvi_28, Peel_28, Llorens_28, Spock_28, Twitch_28, Topper_28, Lunahalos_28, Rosmarinus_28
- Track 119 : Sulley_28, Deby_28
- Track 120 : Adonis_28
- Track 121 : TiniBug_28
- Track 122 : Zavala_28, Mynx_28, TruffulaTree_28, Emerson_28, Padpat_28
- Track 123 : HedwigODU_28, Veliki_28, Zabiza_28, Rapunzel97_28, Jayhawk_28, Adephegia_28, Slimphazie_28
- Track 124 : TreyKay_28, Prithvi_28, LindNT_28
- Track 125 : Anaya_29
- Track 126 : Illumine_28, Dole_28, Devera_28
- Track 127 : Guanica15_28, Yunkel11_28
- Track 128 : MeaningOfLife_28, Geraldini_28
- Track 129 : Richo_28, Shaobing_28, Dartin_28, McMater_28, Niklas_28
- Track 130 : Tachez_28
- Track 131 : LaterM_28
- Track 132 : DrHayes_28, Urkel_28, SamuelLPlaqson_28
- Track 133 : Ramen_28, BarrelRoll_28, JAWS_28
- Track 134 : Megsy_28
- Track 135 : ActinUp_28

- Track 136 : LastHope_28
- Track 137 : YoureAdopted_27
- Track 138 : CheetoDust_28
- Track 139 : LeMond_27
- Track 140 : Ganymede_29, QuincyRose_27
- Track 141 : Stinson_29
- Track 142 : Torres_24
- Track 143 : Apocalypse_28
- Track 144 : Bella96_28
- Track 145 : Peanam_28
- Track 146 : Murucutumbu_28
- Track 147 : Beezoo_28
- Track 148 : CrimD_28
- Track 149 : Bern_30
- Track 150 : Efra2_28
- Track 151 : Tiri_28
- Track 152 : Chris_27
- Track 153 : Chavito_28
- Track 154 : TaiwanKao_29
- Track 155 : Oscar_27, Scarlett_27, KiSi_27
- Track 156 : Validus_28
- Track 157 : Angelica_28
- Track 158 : Ageofdapage_28
- Track 159 : TingHuaYa_28
- Track 160 : Atiba_28
- Track 161 : Nibb_27
- Track 162 : Clipper_30
- Track 163 : Milly_25, Marcoliusprime_25, DismalStressor_25
- Track 164 : Findley_25
- Track 165 : TM4_25
- Track 166 : ZoeJ_25
- Track 167 : Strobilo_25
- Track 168 : DismalFunk_25
- Track 169 : Mufasa_25
- Track 170 : BoostSeason_25, Doughnut_25
- Track 171 : MacnCheese_29
- Track 172 : TBond007_28
- Track 173 : Pixie_28
- Track 174 : Pharb_27
- Track 175 : Hurricane_28
- Track 176 : TripleTrouble_27
- Track 177 : Keshu_28
- Track 178 : ShedlockHolmes_28, Lea83_29
- Track 179 : Bobquesha_30
- Track 180 : Fionnbharth_29, Y10_29, Kraw_30, JF1_29, Y2_29
- Track 181 : Slarp_29, Cheetobro_29, Chancellor_29
- Track 182 : Reptar3000_29
- Track 183 : MissDaisy_29
- Track 184 : Mitti_29
- Track 185 : OmniCritical_29
- Track 186 : Patt_29
- Track 187 : Wintermute_29
- Track 188 : Lebo14_30

- Track 189 : Malthus_30
- Track 190 : Ekdilam_25
- Track 191 : Bryler_28, Phrank_28, Cain_28
- Track 192 : Yuna_29
- Track 193 : Shadow1_27
- Track 194 : Krueger_28
- Track 195 : DarthP_27
- Track 196 : Tierra_28
- Track 197 : Amohnition_27
- Track 198 : Marshawn_29
- Track 199 : Hammy_27
- Track 200 : Fefferhead_27
- Track 201 : Syra333_28
- Track 202 : TClif_28
- Track 203 : Ximenita_29
- Track 204 : PhelpsODU_28, Unicorn_28
- Track 205 : Applecrisp_27
- Track 206 : Sunflower1121_27
- Track 207 : November_27
- Track 208 : Amgine_26
- Track 209 : SirPhilip_27
- Track 210 : Ellie_25
- Track 211 : Poochiewood_21, Tyson_21, MAckerman_21, Silverleaf_21, AvadaKedavra_21, Acquire49_21, Enceladus_21, OhShagHennessy_21, Rose5_21, Halena_21, Wyatt2_21, Wamburgxpress_21, DirkDirk_21
- Track 212 : UPIE_21, LeBron_21, Appletree2_21, CicholasNage_21, JoeDirt_21
- Track 213 : Calm_21, Zaria_21
- Track 214 : Red305_22, Jubie_22, Lumos_22, Snenia_22, Nicholas_22, TriFive_22, Jobypre_22, Kingsolomon_22, Clautastrophe_22, MsGreen_22
- Track 215 : Bellis_22, Finnry_22, Moostard_22, Samty_22
- Track 216 : LiyuLake_22
- Track 217 : MiniLon_22, Lolly9_22
- Track 218 : MiniMac_22
- Track 219 : Ellson_22
- Track 220 : DuncansLeg_22
- Track 221 : Krypton555_22
- Track 222 : KirDoubleO7_20
- Track 223 : BourbonZero_21
- Track 224 : Douzhi_21, Sheng711_21, BrainDrainer_22
- Track 225 : PYPDinur_21
- Track 226 : GardenSalsa_35
- Track 227 : Rey_35
- Track 228 : GenevaB15_35, Aziz_35
- Track 229 : MrMagoo_35
- Track 230 : Estes_36
- Track 231 : Nanosmite_35
- Track 232 : Hanako_21, Redi_21, Nenae_21, PhancyPhin_21, BabeRuth_21, ShrimpFriedEgg_21, Purgamenstris_21
- Track 233 : Snekmaggedon_21
- Track 234 : Phloss_21
- Track 235 : Fulbright_21, Squirty_20
- Track 236 : GreaseLightnin_22
- Track 237 : Tortellini_22

- Track 238 : Megabear_25, Cepens_25, Taptic_25
- Track 239 : GodPhather_26, MasterPo_33, Jeon_25
- Track 240 : Argie_26
- Track 241 : PR_25
- Track 242 : D12_25
- Track 243 : Bipper_28
- Track 244 : P3MA_24
- Track 245 : IdentityCrisis_21

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

The start number called the most often in the published annotations is 62, it was called in 296 of the 653 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 39HC_027, 40BC_027, ABU_33, AbsoluteMadLad_32, Adriana_33, Aelin_32, Allegro_33, AltPhacts_33, Altwerkus_32, Anderson_33, Andre_33, AngelCake_32, Antonia_32, Apizium_32, Arbiter_33, Ashraf_32, Badfish_33, Banjo_32, Basato_34, BatteryCK_32, Beaglebox_32, Bishoperium_32, BlackStallion_33, BlueHusk_33, Bluephacebaby_32, Boehler_33, Boyle_33, Brilliant_33, Buckeye_33, Burr_32, Calamitous_33, CamL_33, CampRoach_33, Cannibal_33, Carthage_31, Caspiboi_34, Chaelin_33, Chah_34, Charles1_33, CharlieGBrown_32, CheetO_33, Cher_32, Childish_32, Chipette_34, Chorkpop_33, Chute_32, Cobra_33, Coffee_33, Colbert_33, Coletti_32, Cornbread_33, Cornobble_32, Cosmolli16_32, Craff_33, Crownjwl_33, DaddyDaniels_33, Daffy_33, Daka_33, Dati_33, DelRivs_32, Derpp_32, Dice_32, Dingo_33, Dione_32, DirtJuice_33, Doddsville_33, DoesntMatter_33, DonSancho_32, DuchessDung_31, Duggie_32, Durga_33, Eaglehorse_33, ElvisPhasley_33, Emiris_33, EmpTee_33, Eremos_33, Etaye_33, Eugenia_33, Fang_33, Faze9_33, FluffyNinja_33, ForDig_28, Fozzie_32, Frankicide_33, FrenchFry_33, Freya_32, FriarPreacher_33, Fringe_33, FugateOSU_32, Funsized_35, Gareth_32, GeneCoco_33, Giraffe_33, Glass_33, Gophee_33, Grand2040_32, Gwennie1_33, Gwilliam_33, Gyarad_0033, HSavage_33, Haimas_33, Haleema_32, Hamish_33, Hartsy_33, Harvey_33, Hedgerow_33, Held_33, HenryJackson_32, Hertubise_33, Hetaeria_33, HighStump_32, Hocus_32, Holeinone_33, Horchata_33, Hosp_025, ImtiyazSitla_32, Inchworm_33, Inverness_33, Iridessa_33, Iridoclysis_33, IsaacEli_33, ItsyBitsy1_33, JDog_32, JacAttac_33, JakeO_32, JangoPhett_33, Jesabah_33, Jillium_32, Jiminy_32, Jiraiya_32, Jolie1_027, Jolie2_23, KLucky39_33, Kahve_32, Kailash_33, Kaleb_33, Katniss_33, KayaCho_27, Keitherie_33, Khan1_33, Kheth_33, Kikipoo_33, Kimbrough_33, KingTut_24, KingVeVeVe_33, KlimbOn_33, Kloppinator_33, Kolhan_33, Kwadwo_32, Kwksand96_32, Labeouficaum_32, Lars_33, LasagnaCat_33, Lasso_33, LeeLot_33, Lego3393_33, Legolas_32, LeiMonet_33, LemonSlice_33, LilMcDreamy_28, LilSmirk_33, LizLemon_33, Longacauda_32, Lopsy_32, LostAndPhound_32, LuckyMarjie_32, Lulumae_32, Lulwa_33, Lumine_32, MRabcd_32, Mag7_32, Magic8_33, Mana_32, Manad_32, Mao1_27, 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, MitKao_33, Morgushi_33, Morty_33, Mosaic_32, MrPhizzler_32, Mulan_32, Murdoc_33, Mutante_32, Nacho_0033, Nathan_34, Newman_33, Nicole21_33, Numberten_33, Nyala_32, OSmaximus_33,

Olak_32, Oline_32, Olive_33, OliverWalter_33, Omniscient_33, Oosterbaan_33, Opia_33, Orfeu_32, Orion_33, Orwigg_32, PG1_33, Pacifista_32, Phamished_33, Phantasmagoria_33, Phareon_33, PhatCats2014_33, PhatLouie_33, Phenghiskhan_32, Pherdinand_33, Phergie_32, Phipps_33, Phleuron_32, PhrankReynolds_32, PhrodoBaggins_32, Phunky_33, Piglet_0032, PinheadLarry_33, Pinkman_32, Pipsqueak_33, Placalicious_32, Plata_33, Plmatters_33, Podrick_33, Pops_33, Potter_32, Prickles_33, PrinceCharming_33, ProfessorX_33, Puhltonio_33, QueenBeane_33, Quisquilliae_33, RedMaple_32, Rhinoforte_33, Ricotta_32, Riggan_33, Rimu_34, Rinkes_34, Riverton_32, Robyn_32, Roliet_33, Roscoe_34, Rosebush_33, Roy17_33, SDcharge11_33, Sabella_33, Samaymay_33, SassyCat97_32, Schadenfreude_32, Schueller_32, Scoot17C_33, Scrick_33, Sejanus_28, Selr12_33, Serendipity_33, Serpentine_0033, Sheila_33, ShiVal_33, Sigman_33, SilverBell_33, Simielle_32, SirBeauregard_33, Skippy_33, Slatt_33, Soile_33, Solosis_32, Sophia_32, Soto_33, Spartan300_33, Squid_33, Squiggle_33, Stargaze_23, Struggle_32, Suffolk_33, Surely_33, Swiphy_34, Swish_33, TA17A_34, TallGrassMM_33, Telesworld_32, Thora_33, ThreeOh3D2_33, Thunderbird_32, Timmi_32, TomBombadil_33, Tomlarah_33, Toni_32, TooFast2Furius_34, Tooj_33, Tres_33, True_32, Trypo_33, TyrionL_32, UAch1_33, UncleHowie_33, Usavi_33, Vaishali24_32, Valjean_33, Vaticameos_33, Veritas_32, Virapocalypse_33, Virgeve_32, Vista_33, Vivaldi_33, Vortex_33, Wallhey_32, Waterdiva_33, Weher20_33, West99_33, Windsor_32, Xavier_32, Yoshand_33, YouGoGlencoco_33, Zaidar_34, Zelda_33, Zonia_33,

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

- Bananafish_33, Blocker23_33, Brownie5_33, Chunky_33, Dori_29, GodPhather_26, Jeon_25, Lephleur_33, MasterPo_33, Nanosmite_35, Tinciduntolum_34,

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

- Abinghost_33, Acadian_32, Acquire49_21, ActinUp_28, Adephagia_28, Adonis_28, Ageofdapage_28, Ahwei_29, Aikoy_42, Akhila_20, Akoma_33, AlanGrant_31, AlishaPH_28, Amelie_24, Amgine_26, Amohnition_27, Anaya_29, Angelica_28, Antihero_29, Apex_30, Apocalypse_28, Applecrisp_27, Appletree2_21, Ares_33, Argie_26, Asayake_28, Athena_34, Atiba_28, Audrey_33, Austelle_31, AvadaKedavra_21, Aziz_35, BEEEST_28, BGlluviae_28, BabeRuth_21, Bae_31, BaghaKamala_28, Baloo_33, Barnyard_37, BarrelRoll_28, Beezoo_28, Bella96_28, Belladonna_28, Bellis_22, Ben11_32, Bern_30, Bernardo_33, BigPhil_20, Binglebops_24, Bipper_28, Blizzard_28, BobbyK_30, Bobquesha_30, Boiiii_28, Bonum_48, BoostSeason_25, BourbonZero_21, BrainDrainer_22, Brocalys_20, BrownCNA_31, Bryler_28, Buggaboo_46, CREW_28, Cain_28, CallaLilly_29, Calm_21, Capricorn_28, Casbah_32, CaseJules_28, Cepens_25, Cerasum_20, ChaChing_33, Chalmers_33, Chancellor_29, Chandler_33, Chavito_28, CheetoDust_28, Cheetobro_29, Chentzyk_32, Chris_27, ChrisMich_29, CicholasNage_21, Clautastrophe_22, Clifton_19, Clipper_30, Compostia_34, Cooper_30, CrimD_28, Crumble_19, D12_25, Daisy_33, Dalilpop_49, Dalmuri_28, DARTH_27, Dartin_28, Deby_28, Deenasa_33, Devera_28, Devonte_33, DigitDog_32, DirkDirk_21, DismalFunk_25, DismalStressor_25, Dole_28, Donny_32, Doughnut_25, Douzhi_21, DrHayes_28, DrLupo_39, DuncansLeg_22, Durfee_28, EastView9101_31, Efra2_28, Ekdilam_25, Ellie_25, Ellson_22, Emerson_28, Emianna_44, Enceladus_21, Enkosi_24, Ennea_51, Epah_29, Estes_36, Fanaw_29, Fefferhead_27, Findley_25, Finnry_22, Fionnbharth_29, Flapper_49, Float294_47, Fortunato_30, Foxboro_45, Frederick_30, Fulbright_21, GRU1_34, GTE5_36, GTE8_33, Gadget_34, Ganymede_29, GardenSalsa_35, GenevaB15_35, Geraldini_28, Gervas_33, GinPorsche_29, GlenHope_34, Glubnar_33, Godines_33,

GreaseLightnin_22, GrootJr_46, Guanica15_28, Halena_21, Halfpint_32, Hally898_29, Hammy_27, Hanako_21, Hangman_30, HarveySr_33, Heath_29, Heathcliff_33, HedwigODU_28, Homura_28, Hurricane_28, Hydro_30, Hyperbowlee_28, IdentityCrisis_21, Illumine_28, Inky_28, JAMaL_30, JAWS_28, JF1_29, Jackstina_30, JaguarMi_30, Jamie19_21, Jarvi_28, Jayhawk_28, Jeckyll_28, Jifall16_43, Jobypre_22, JoeDirt_21, Joy99_28, Jubie_22, Kabluna_48, Kamiyu_33, KarasumaRum_34, Keshu_28, KiSi_27, KidneyBean_44, Kingsolomon_22, KirDoubleO7_20, Koella_19, Kraw_30, Kronus_32, Krueger_28, Krypton555_22, Kurt_44, Lambano_29, LastHope_28, LastJedi_19, LaterM_28, Laurie_33, LeBron_21, LeMond_27, Lea83_29, Lebo14_30, Leopard_42, LestyG_33, LilPharaoh_24, LindNT_28, LiyuLake_22, Llorens_28, Lolalove_30, Lollipop1437_50, Lolly9_22, Lumos_22, Lunahalos_28, MAckerman_21, MacnCheese_29, Magpie_29, Malthus_30, Marcoliusprime_25, MarkPhew_28, Marley1013_33, Marlia_33, Marshawn_29, McMater_28, Mdavu_24, MeaningOfLife_28, Megabear_25, Megsy_28, MerCougar_46, MilanaBonita_20, Milly_25, MiniLon_22, MiniMac_22, MissDaisy_29, Mithril_30, Mitti_29, MmasiCarm_33, Moostard_22, Mortcellus_32, Morty007_33, MrMagoo_35, Ms6_19, MsGreen_22, Mudslide_30, Mufasa_25, Murucutumbu_28, Mynx_28, Mysterious_33, Nanao_29, Nangang_32, NatB6_44, Nehemiah_31, Nенаe_21, Neos5_33, Nibb_27, Nicholas_22, Nigel_28, Nikao_24, Niklas_28, NoShow_22, NosilaM_48, November_27, NovumRegina_44, Nozo_33, Nutello_24, Obutu_33, OhShagHennessy_21, Olivio_32, OmniCritical_29, Onyinye_43, OrangeOswald_33, Oscar_27, Outis_46, P3MA_24, PR_25, PYPDinur_21, Padfoot_28, Padpat_28, Patio_48, Patt_29, Peanam_28, Peel_28, Phaedrus_31, PhancyPhin_21, Pharb_27, Phelemich_32, PhelpsODU_28, Philly_32, Phloss_21, Phlyer_33, Phomeo_43, Phrank_28, Piatt_28, Pippy_19, Pixie_28, Pokerus_27, Poochiewood_21, Poster_29, Prince_30, Prithvi_28, Purgamenstris_21, QueenHazel_22, QueenPie_29, QuincyRose_27, Qyrzula_31, RagingRooster_33, Ramen_28, Rapunzel97_28, RawrgerThat_30, Red305_22, RedRaider_52, Redi_21, Reprobate_32, Reptar3000_29, Rey_35, Rich_31, Richo_28, Rita130_32, Rita1961_33, RomaT_33, Rose5_21, Rosmarinus_28, Samty_22, SamuelLPlaqson_28, Sarma624_20, Scarlett_27, Serendipitous_31, SgtBeansprout_24, Shadow1_27, Shaobing_28, ShedlockHolmes_28, Shenandoah_33, Sheng711_21, Shenyu_32, ShiaSurprise_28, ShrimpFriedEgg_21, Silverleaf_21, SirJeffery_32, SirPhilip_27, Skysand_47, Slarp_29, Slimphazie_28, SlippinJimmy_33, Snekmaggon_21, Snenia_22, Spock_28, SpongeBob_21, Squirty_20, StarStruck_46, Stinger_28, StinkyVeggy_34, Stinson_29, Strobilo_25, Stuck_25, Suigeneris_32, Sulley_28, Sunflower1121_27, SuperSulley_46, SwainyDoc_33, SynergyX_33, Syra333_28, TBond007_28, TClif_28, TM4_25, Tachez_28, TaiwanKao_29, Taptic_25, Teejan_24, Tierra_28, TingHuaYa_28, TiniBug_28, TinyTerror_33, Tiri_28, Topper_28, Torres_24, Tortellini_22, Tracker_44, TreyKay_28, TriFive_22, TribbleTrouble_27, TruffulaTree_28, Twitch_28, Tydolla_33, Tyson_21, UPIE_21, Unicorn_28, Urkel_28, Validus_28, Veliki_28, Velveteen_20, Vic9_00033, Vincenzo_31, VioletZ_30, Waleliano_30, Wamburgxpress_21, Wheezy_44, Wintermute_29, Wyatt2_21, Ximenita_29, Xincheng_29, Xula_21, Y10_29, Y2_29, Yahalom_33, Yinz_33, YoureAdopted_27, Yuna_29, Yunkel11_28, Zabiza_28, Zaria_21, Zavala_28, Zemanar_31, ZoeJ_25,

Summary by start number:

Start 19:

- Found in 18 of 755 (2.4%) of genes in pham
- Manual Annotations of this start: 9 of 653
- 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 46:

- Found in 1 of 755 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chavito_28 (K1),

Start 58:

- Found in 11 of 755 (1.5%) of genes in pham
- Manual Annotations of this start: 2 of 653
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Ares_33 (B2), PR_25 (W),

Start 59:

- Found in 8 of 755 (1.1%) of genes in pham
- Manual Annotations of this start: 7 of 653
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Cepens_25 (W), Godines_33 (B2), Laurie_33 (B2), Megabear_25 (W), Qyrzula_31 (B2), Taptic_25 (W), Vic9_00033 (B2),

Start 60:

- Found in 39 of 755 (5.2%) of genes in pham
- Manual Annotations of this start: 11 of 653
- Called 28.2% of time when present
- Phage (with cluster) where this start called: Argie_26 (W), Bananafish_33 (B2), Blocker23_33 (B2), Brownie5_33 (B2), D12_25 (W), Dori_29 (AD), GodPhather_26 (W), Jeon_25 (W), Lephleur_33 (B2), MasterPo_33 (B2), Tinciduntolum_34 (B2),

Start 62:

- Found in 341 of 755 (45.2%) of genes in pham
- Manual Annotations of this start: 296 of 653
- Called 96.8% of time when present
- Phage (with cluster) where this start called: 39HC_027 (B6), 40BC_027 (B6), ABU_33 (B1), AbsoluteMadLad_32 (B1), Adriana_33 (B1), Aelin_32 (B1), Allegro_33 (B2), AltPhacts_33 (B1), Altwerkus_32 (B1), Anderson_33 (B1), Andre_33 (B1), AngelCake_32 (B1), Antonia_32 (B1), Apizium_32 (B1), Arbiter_33 (B2), Ashraf_32 (B1), Badfish_33 (B1), Banjo_32 (B1), Basato_34 (B1), BatteryCK_32 (B1), Beaglebox_32 (B1), Bishoperium_32 (B1), BlackStallion_33 (B1), BlueHusk_33 (B1), Bluephacebaby_32 (B1), Boehler_33 (B1), Boyle_33 (B2), Brilliant_33 (B1), Buckeye_33 (B1), Burr_32 (B1), Calamitous_33 (B2), CamL_33 (B1), CampRoach_33 (B1), Cannibal_33 (B1), Carthage_31 (B1), Caspiroi_34 (B1), Chaelin_33 (B1), Chah_34 (B1), Charles1_33 (B1), CharlieGBrown_32 (B1), CheetO_33 (B1), Cher_32 (B1), Childish_32 (B1), Chipette_34 (B1), Chorkpop_33 (B1), Chute_32 (B1), Cobra_33 (B1), Coffee_33 (B2), Colbert_33 (B1), Coletti_32 (B1), Cornbread_33 (B1), Cornobble_32 (B1), Cosmolli16_32 (B1), Craff_33 (B1), Crownjwl_33 (B1), DaddyDaniels_33 (B1), Daffy_33 (B1), Daka_33 (B1), Dati_33 (B1), DelRivs_32 (B1), Derpp_32 (B1), Dice_32 (B1), Dingo_33 (B1), Dione_32 (B1),

DirtJuice_33 (B1), Doddsville_33 (B1), DoesntMatter_33 (B1), DonSanchon_32 (B1), DuchessDung_31 (B1), Duggie_32 (B1), Durga_33 (B1), Eaglehorse_33 (B2), ElvisPhasley_33 (B1), Emiris_33 (B1), EmpTee_33 (B1), Eremos_33 (B1), Etaye_33 (B1), Eugenia_33 (B1), Fang_33 (B1), Faze9_33 (B2), FluffyNinja_33 (B1), ForDig_28 (B6), Fozzie_32 (B1), Frankicide_33 (B1), FrenchFry_33 (B2), Freya_32 (B1), FriarPreacher_33 (B1), Fringe_33 (B1), FugateOSU_32 (B1), Funsized_35 (B9), Gareth_32 (B1), GeneCoco_33 (B1), Giraffe_33 (B1), Glass_33 (B2), Gophee_33 (B1), Grand2040_32 (B1), Gwennie1_33 (B1), Gwilliam_33 (B1), Gyarad_0033 (B1), HSavage_33 (B1), Haimas_33 (B1), Haleema_32 (B1), Hamish_33 (B1), Hartsy_33 (B1), Harvey_33 (B1), 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), ImtiyazSitla_32 (B1), Inchworm_33 (B1), Inverness_33 (B1), Iridessa_33 (B1), Iridoclysis_33 (B1), IsaacEli_33 (B1), ItsyBitsy1_33 (B2), JDog_32 (B1), JacAttac_33 (B1), JakeO_32 (B1), JangoPhett_33 (B1), Jesabah_33 (B1), Jillium_32 (B1), Jiminy_32 (B1), Jiraiya_32 (B1), Jolie1_027 (B6), Jolie2_23 (G4), KLucky39_33 (B1), Kahve_32 (B1), Kailash_33 (B1), Kaleb_33 (B2), Katniss_33 (B1), KayaCho_27 (B6), Keitherie_33 (B1), Khan1_33 (B1), Kheth_33 (B2), Kikipoo_33 (B1), Kimbrough_33 (B1), KingTut_24 (B1), KingVeVeVe_33 (B1), KlimbOn_33 (B1), Kloppinator_33 (B1), Kolhan_33 (B2), Kwadwo_32 (B1), Kwksand96_32 (B1), Labeouficaum_32 (B1), Lars_33 (B2), LasagnaCat_33 (B1), Lasso_33 (B1), LeeLot_33 (B1), Lego3393_33 (B1), Legolas_32 (B1), LeiMonet_33 (B1), LemonSlice_33 (B1), LilMcDreamy_28 (B12), LilSmirk_33 (B2), LizLemon_33 (B2), Longacauda_32 (B1), Lopsy_32 (B1), LostAndPhound_32 (B1), LuckyMarjie_32 (B1), Lulumae_32 (B1), Lulwa_33 (B1), Lumine_32 (B1), MRabcd_32 (B1), Mag7_32 (B1), Magic8_33 (B1), Mana_32 (B1), Manad_32 (B1), Mao1_27 (AD), 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), MitKao_33 (B1), Morgushi_33 (B1), Morty_33 (B1), Mosaic_32 (B1), MrPhizzler_32 (B1), Mulan_32 (B1), Murdoc_33 (B1), Mutante_32 (B1), Nacho_0033 (B1), Nathan_34 (B1), Newman_33 (B1), Nicole21_33 (B1), Numberten_33 (B1), Nyala_32 (B1), OSmaximus_33 (B1), Olak_32 (B1), Oline_32 (B1), Olive_33 (B1), OliverWalter_33 (B1), Omniscient_33 (B1), Oosterbaan_33 (B1), Opia_33 (B2), Orfeu_32 (B1), Orion_33 (B1), Orwigg_32 (B1), PG1_33 (B1), Pacifista_32 (B1), Phamished_33 (B1), Phantasmagoria_33 (B2), Phareon_33 (B1), PhatCats2014_33 (B1), PhatLouie_33 (B1), PhenghisKhan_32 (B1), Pherdinand_33 (B1), Phergie_32 (B1), Phipps_33 (B1), Phleuron_32 (B1), PhrankReynolds_32 (B1), PhrodoBaggins_32 (B1), Phunky_33 (B1), Piglet_0032 (B1), PinheadLarry_33 (B1), Pinkman_32 (B1), Pipsqueak_33 (B1), Placalicious_32 (B1), Plata_33 (B1), Plmatters_33 (B1), Podrick_33 (B1), Pops_33 (B1), Potter_32 (B1), Prickles_33 (B1), PrinceCharming_33 (B2), ProfessorX_33 (B1), Puhltonio_33 (B1), QueenBeane_33 (B1), Quisquilliae_33 (B1), RedMaple_32 (B1), Rhinoforte_33 (B2), Ricotta_32 (B1), Riggan_33 (B1), Rimu_34 (B1), Rinkes_34 (B9), Riverton_32 (B1), Robyn_32 (B1), Rollet_33 (B1), Roscoe_34 (B1), Rosebush_33 (B2), Roy17_33 (B1), SDcharge11_33 (B1), Sabella_33 (B2), Samaymay_33 (B1), 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), ShiVal_33 (B1), Sigman_33 (B1), SilverBell_33 (B1), Simielle_32 (B1), SirBeauregard_33 (B1), Skippy_33 (B1), Slatt_33 (B1), Soile_33 (B1), Solosis_32 (B1), Sophia_32 (B1), Soto_33 (B1), Spartan300_33 (B1), Squid_33 (B1), Squiggle_33 (B1), Stargaze_23 (G5), Struggle_32 (B1), Suffolk_33 (B1), Surely_33 (B1), Swiphy_34 (B1), Swish_33 (B1), TA17A_34 (B2), TallGrassMM_33 (B1),

Telesworld_32 (B1), Thora_33 (B1), ThreeOh3D2_33 (B1), Thunderbird_32 (B1), Timmi_32 (B1), TomBombadil_33 (B1), Tomlarah_33 (B1), Toni_32 (B1), TooFast2Furius_34 (B1), Tooj_33 (B1), Tres_33 (B2), True_32 (B1), Trypo_33 (B1), TyrionL_32 (B1), UAch1_33 (B1), UncleHowie_33 (B1), Usavi_33 (B1), Vaishali24_32 (B1), Valjean_33 (B1), Vaticameos_33 (B1), Veritas_32 (B1), Virapocalypse_33 (B1), Virgeve_32 (B1), Vista_33 (B1), Vivaldi_33 (B1), Vortex_33 (B1), Wallhey_32 (B1), Waterdiva_33 (B1), Weher20_33 (B1), West99_33 (B2), Windsor_32 (B1), Xavier_32 (B1), Yoshand_33 (B1), YouGoGlencoco_33 (B1), Zaider_34 (B1), Zelda_33 (B1), Zonia_33 (B1),

Start 64:

- Found in 20 of 755 (2.6%) of genes in pham
- Manual Annotations of this start: 5 of 653
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Appletree2_21 (L1), CicholasNage_21 (L1), JoeDirt_21 (L1), LeBron_21 (L1), UPIE_21 (L1),

Start 65:

- Found in 104 of 755 (13.8%) of genes in pham
- Manual Annotations of this start: 73 of 653
- Called 91.3% of time when present
- Phage (with cluster) where this start called: Abingghost_33 (B3), Acquire49_21 (L1), Akoma_33 (B3), Athena_34 (B3), Audrey_33 (B3), AvadaKedavra_21 (L1), Baloo_33 (B3), Bellis_22 (L3), Ben11_32 (B3), Bernardo_33 (B3), BourbonZero_21 (L3), BrainDrainer_22 (L4), Calm_21 (L1), Casbah_32 (B3), ChaChing_33 (B3), Chalmers_33 (B3), Chandler_33 (B3), Chentzyk_32 (B3), Clautastrophe_22 (L3), Compostia_34 (B3), Daisy_33 (B3), Deenasa_33 (B3), Devonte_33 (B3), DirkDirk_21 (L1), Douzhi_21 (L4), DuncansLeg_22 (L3), Ellson_22 (L3), Enceladus_21 (L1), Finnry_22 (L3), Gadget_34 (B3), Gervas_33 (B3), GlenHope_34 (B3), Glubnar_33 (B3), Halena_21 (L1), Halfpint_32 (B3), HarveySr_33 (B3), Heathcliff_33 (B3), Jackstina_30 (B3), Jobypre_22 (L3), Jubie_22 (L3), Kamiyu_33 (B3), Kingsolomon_22 (L3), KirDoubleO7_20 (L3), Kronus_32 (B3), Krypton555_22 (L3), LestyG_33 (B3), LiyuLake_22 (L3), Lolly9_22 (L3), Lumos_22 (L3), MAckerman_21 (L1), Marley1013_33 (B3), Marlia_33 (B3), MiniLon_22 (L3), MiniMac_22 (L3), MmasiCarm_33 (B3), Moostard_22 (L3), Mortcellus_32 (B3), Morty007_33 (B3), MsGreen_22 (L3), Nanosmite_35 (M3), Neos5_33 (B3), Nicholas_22 (L3), Nozo_33 (B3), Obutu_33 (B3), OhShagHennessy_21 (L1), Olivio_32 (B3), OrangeOswald_33 (B3), P3MA_24 (singleton), PYPDinur_21 (L4), Phaedrus_31 (B3), Philly_32 (B3), Phlyer_33 (B3), Poochiewood_21 (L1), RagingRooster_33 (B3), Red305_22 (L3), Rita1961_33 (B3), RomaT_33 (B3), Rose5_21 (L1), Samty_22 (L3), Shenandoah_33 (B3), Sheng711_21 (L4), Silverleaf_21 (L1), SlippinJimmy_33 (B3), Snenia_22 (L3), SwainyDoc_33 (B3), SynergyX_33 (B3), TinyTerror_33 (B3), TriFive_22 (L3), Tydolla_33 (B3), Tyson_21 (L1), Wamburgxpress_21 (L1), Wyatt2_21 (L1), Yahalom_33 (B3), Yinz_33 (B3), Zaria_21 (L1),

Start 66:

- Found in 37 of 755 (4.9%) of genes in pham
- Manual Annotations of this start: 25 of 653
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ahwei_29 (B4), AlanGrant_31 (B4), Antihero_29 (B4), Apex_30 (B4), Austelle_31 (B4), BobbyK_30 (B4), BrownCNA_31 (B4), ChrisnMich_29 (B4), Cooper_30 (B4), Epah_29 (B4), Fanaw_29 (B4), Fortunato_30 (B4), Frederick_30 (B4), GinPorsche_29 (B4), Hally898_29 (B4),

Hangman_30 (B4), Heath_29 (B4), Hydro_30 (B4), JAMaL_30 (B4), JaguarMi_30 (B4), Lambano_29 (B4), Lolalove_30 (B4), Maggie_29 (B4), Mithril_30 (B4), Mudslide_30 (B4), Nanao_29 (B4), Nigel_28 (B4), Poster_29 (B4), Prince_30 (B4), QueenPie_29 (B4), RawrgerThat_30 (B4), Stinger_28 (B4), Vincenzo_31 (B4), VioletZ_30 (B4), Waleliano_30 (B4), Xincheng_29 (B4), Zemanar_31 (B4),

Start 76:

- Found in 4 of 755 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 653
- Called 25.0% of time when present
- Phage (with cluster) where this start called: NoShow_22 (AB),

Start 77:

- Found in 3 of 755 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 653
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aikoy_42 (AE), Leopard_42 (AE), Onyinye_43 (AE),

Start 83:

- Found in 8 of 755 (1.1%) of genes in pham
- Manual Annotations of this start: 3 of 653
- Called 37.5% of time when present
- Phage (with cluster) where this start called: BigPhil_20 (F1), Cerasum_20 (F1), Velveteen_20 (F1),

Start 87:

- Found in 2 of 755 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 653
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Brocalys_20 (F1), Pippy_19 (F1),

Start 88:

- Found in 31 of 755 (4.1%) of genes in pham
- Manual Annotations of this start: 25 of 653
- Called 87.1% of time when present
- Phage (with cluster) where this start called: Akhila_20 (F1), BabeRuth_21 (N), Bipper_28 (Y), Clifton_19 (F1), Crumble_19 (F1), Fulbright_21 (N), GreaseLightnin_22 (P1), Hanako_21 (N), IdentityCrisis_21 (singleton), Jamie19_21 (N), Koella_19 (F1), LastJedi_19 (F1), MilanaBonita_20 (F1), Ms6_19 (F1), Nенаe_21 (N), PhancyPhin_21 (N), Phloss_21 (N), Purgamenstris_21 (N), QueenHazel_22 (I1), Redi_21 (N), Sarma624_20 (F1), ShrimpFriedEgg_21 (N), SpongeBob_21 (N), Squirty_20 (F3), Stuck_25 (I2), Tortellini_22 (P2), Xula_21 (I1),

Start 94:

- Found in 12 of 755 (1.6%) of genes in pham
- No Manual Annotations of this start.
- Called 8.3% of time when present
- Phage (with cluster) where this start called: Teejan_24 (K1),

Start 101:

- Found in 9 of 755 (1.2%) of genes in pham
- Manual Annotations of this start: 6 of 653

- Called 66.7% 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),

Start 104:

- Found in 5 of 755 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 653
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dalilpop_49 (CR1), Flapper_49 (CR1), GRU1_34 (CR1), GTE5_36 (CR1), GTE8_33 (CR2),

Start 105:

- Found in 380 of 755 (50.3%) of genes in pham
- Manual Annotations of this start: 1 of 653
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Chunky_33 (B1),

Start 106:

- Found in 25 of 755 (3.3%) of genes in pham
- Manual Annotations of this start: 23 of 653
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bonum_48 (CR2), Buggaboo_46 (CR2), Emianna_44 (CR2), Ennea_51 (CR3), Float294_47 (CR3), Foxboro_45 (CR2), GrootJr_46 (CR2), Jifall16_43 (CR2), Kabluna_48 (CR2), KidneyBean_44 (CR2), Kurt_44 (CR2), Lollipop1437_50 (CR3), MerCougar_46 (CR2), NatB6_44 (CR2), NosilaM_48 (CR2), NovumRegina_44 (CR2), Outis_46 (CR2), Patio_48 (CR3), Phomeo_43 (CR2), RedRaider_52 (CR3), Skysand_47 (CR3), StarStruck_46 (CR2), SuperSulley_46 (CR2), Tracker_44 (CR2), Wheezy_44 (CR2),

Start 113:

- Found in 21 of 755 (2.8%) of genes in pham
- Manual Annotations of this start: 1 of 653
- Called 4.8% of time when present
- Phage (with cluster) where this start called: Pharb_27 (K3),

Start 114:

- Found in 103 of 755 (13.6%) of genes in pham
- Manual Annotations of this start: 91 of 653
- Called 92.2% of time when present
- Phage (with cluster) where this start called: Adephagia_28 (K1), Ageofdapage_28 (K1), AlishaPH_28 (K1), Amgine_26 (K6), Amohndition_27 (K6), Angelica_28 (K1), Apocalypse_28 (K1), Asayake_28 (K1), Atiba_28 (K1), BEEST_28 (K1), BGIlluviae_28 (K1), BaghaKamala_28 (K1), BarrelRoll_28 (K1), Beezoo_28 (K1), Bella96_28 (K1), Belladonna_28 (K1), Blizzard_28 (K1), Boiiii_28 (K1), CREW_28 (K1), CallaLilly_29 (K1), Capricorn_28 (K1), CaseJules_28 (K1), CheetoDust_28 (K1), CrimD_28 (K1), Dalmuri_28 (K1), DarthP_27 (K6), Dartin_28 (K1), Deby_28 (K1), Devera_28 (K1), Dole_28 (K1), DrHayes_28 (K1), Durfee_28 (K1), Efra2_28 (K1), Ekdilam_25 (K6), Ellie_25 (K6), Emerson_28 (K1), Fefferhead_27 (K6), Ganymede_29 (K1), Geraldini_28 (K1), Guanica15_28 (K1), Hammy_27 (K6), HedwigODU_28 (K1), Homura_28 (K1), Hyperbowlee_28 (K1), Illumine_28 (K1), Inky_28 (K1), JAWS_28 (K1), Jarvi_28 (K1), Jayhawk_28 (K1), Jeckyll_28 (K1), Joy99_28 (K1), LaterM_28 (K1), LindNT_28 (K1), Llorens_28 (K1), Lunahalos_28 (K1), McMater_28 (K1), MeaningOfLife_28 (K1), Megsy_28 (K1), Murucutumbu_28 (K1), Mynx_28 (K1),

Niklas_28 (K1), Padfoot_28 (K1), Padpat_28 (K1), Peanam_28 (K1), Peel_28 (K1), Piatt_28 (K1), Pokerus_27 (K1), Prithvi_28 (K1), QuincyRose_27 (K1), Ramen_28 (K1), Rapunzel97_28 (K1), Richo_28 (K1), Rosmarinus_28 (K1), SamuelLPlaqson_28 (K1), Shaobing_28 (K1), ShiaSurprise_28 (K1), Slimphazie_28 (K1), Spock_28 (K1), Stinson_29 (K1), Sulley_28 (K1), Tachez_28 (K1), TiniBug_28 (K1), Tiri_28 (K1), Topper_28 (K1), TreyKay_28 (K1), TruffulaTree_28 (K1), Twitch_28 (K1), Urkel_28 (K1), Validus_28 (K1), Veliki_28 (K1), YoureAdopted_27 (K1), Yuna_29 (K6), Yunkel11_28 (K1), Zabiza_28 (K1), Zavala_28 (K1),

Start 115:

- Found in 3 of 755 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 653
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Barnyard_37 (H2), DrLupo_39 (H2),

Start 116:

- Found in 69 of 755 (9.1%) of genes in pham
- Manual Annotations of this start: 61 of 653
- Called 97.1% of time when present
- Phage (with cluster) where this start called: Amelie_24 (K1), Binglebops_24 (K1), Bobquesha_30 (K4), BoostSeason_25 (K2), Bryler_28 (K6), Cain_28 (K6), Chancellor_29 (K4), Cheetobro_29 (K4), Chris_27 (K1), DismalFunk_25 (K2), DismalStressor_25 (K2), Doughnut_25 (K2), Enkosi_24 (K1), Findley_25 (K2), Fionnbharth_29 (K4), Hurricane_28 (K3), JF1_29 (K4), Keshu_28 (K3), KiSi_27 (K1), Kraw_30 (K4), Krueger_28 (K6), LastHope_28 (K1), LeMond_27 (K1), Lea83_29 (K3), Lebo14_30 (K4), LilPharaoh_24 (K1), MacnCheese_29 (K3), Malthus_30 (K4), Marcoliusprime_25 (K2), MarkPhew_28 (K1), Marshawn_29 (K6), Mdavu_24 (K1), Milly_25 (K2), MissDaisy_29 (K4), Mitti_29 (K4), Mufasa_25 (K2), Nibb_27 (K1), Nikao_24 (K1), Nutello_24 (K1), OmniCritical_29 (K4), Oscar_27 (K1), Patt_29 (K4), PhelpsODU_28 (K6), Phrank_28 (K6), Pixie_28 (K3), Reptar3000_29 (K4), Scarlett_27 (K1), SgtBeansprout_24 (K1), Shadow1_27 (K6), ShedlockHolmes_28 (K3), SirPhilip_27 (K6), Slarp_29 (K4), Strobilo_25 (K2), Sunflower1121_27 (K6), Syra333_28 (K6), TBond007_28 (K3), TClif_28 (K6), TM4_25 (K2), Tierra_28 (K6), TingHuaYa_28 (K1), TribbleTrouble_27 (K3), Unicorn_28 (K6), Wintermute_29 (K4), Ximenita_29 (K6), Y10_29 (K4), Y2_29 (K4), ZoeJ_25 (K2),

Start 135:

- Found in 30 of 755 (4.0%) of genes in pham
- Manual Annotations of this start: 1 of 653
- Called 3.3% of time when present
- Phage (with cluster) where this start called: Snekmaggon_21 (N),

Start 153:

- Found in 4 of 755 (0.5%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Applecrisp_27 (K6),

Start 158:

- Found in 21 of 755 (2.8%) of genes in pham
- No Manual Annotations of this start.
- Called 4.8% of time when present
- Phage (with cluster) where this start called: November_27 (K6),

Start 162:

- Found in 123 of 755 (16.3%) of genes in pham
- Manual Annotations of this start: 3 of 653
- Called 4.9% of time when present
- Phage (with cluster) where this start called: ActinUp_28 (K1), Adonis_28 (K1), Anaya_29 (K1), Bern_30 (K1), Clipper_30 (K1), TaiwanKao_29 (K1),

Start 189:

- Found in 116 of 755 (15.4%) of genes in pham
- No Manual Annotations of this start.
- Called 0.9% of time when present
- Phage (with cluster) where this start called: Torres_24 (K1),

Summary by clusters:

There are 37 clusters represented in this pham: singleton, M2, K3, K2, K1, AB, B12, K6, M3, K4, G5, G4, I1, I2, P2, P1, AE, AD, CR3, N, L4, F3, L3, W, L1, Y, CR2, F1, CR1, H2, B4, B5, B6, B1, B2, B3, B9,

Info for manual annotations of cluster AB:

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

Info for manual annotations of cluster AD:

- Start number 60 was manually annotated 1 time for cluster AD.
- Start number 62 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster AE:

- Start number 77 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster B1:

- Start number 62 was manually annotated 266 times for cluster B1.
- Start number 105 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B12:

- Start number 62 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B2:

- Start number 58 was manually annotated 1 time for cluster B2.
- Start number 59 was manually annotated 4 times for cluster B2.
- Start number 60 was manually annotated 6 times for cluster B2.
- Start number 62 was manually annotated 23 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 65 was manually annotated 41 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 66 was manually annotated 25 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 19 was manually annotated 9 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 62 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B9:

- Start number 62 was manually annotated 2 times for cluster B9.

Info for manual annotations of cluster CR1:

- Start number 104 was manually annotated 2 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 106 was manually annotated 18 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 106 was manually annotated 5 times for cluster CR3.

Info for manual annotations of cluster F1:

- Start number 83 was manually annotated 3 times for cluster F1.
- Start number 87 was manually annotated 2 times for cluster F1.
- Start number 88 was manually annotated 7 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 88 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster H2:

- Start number 115 was manually annotated 2 times for cluster H2.

Info for manual annotations of cluster I1:

- Start number 88 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster K1:

- Start number 114 was manually annotated 83 times for cluster K1.
- Start number 116 was manually annotated 16 times for cluster K1.
- Start number 162 was manually annotated 3 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 116 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 113 was manually annotated 1 time for cluster K3.
- Start number 116 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 116 was manually annotated 14 times for cluster K4.

Info for manual annotations of cluster K6:

- Start number 114 was manually annotated 8 times for cluster K6.
- Start number 116 was manually annotated 14 times for cluster K6.

Info for manual annotations of cluster L1:

- Start number 64 was manually annotated 5 times for cluster L1.
- Start number 65 was manually annotated 14 times for cluster L1.

Info for manual annotations of cluster L3:

- Start number 65 was manually annotated 16 times for cluster L3.

Info for manual annotations of cluster M2:

- Start number 101 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 65 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 88 was manually annotated 11 times for cluster N.
- Start number 135 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster P1:

- Start number 88 was manually annotated 1 time for cluster P1.

Info for manual annotations of cluster P2:

- Start number 88 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster W:

- Start number 58 was manually annotated 1 time for cluster W.
- Start number 59 was manually annotated 3 times for cluster W.
- Start number 60 was manually annotated 4 times for cluster W.

Info for manual annotations of cluster Y:

- Start number 88 was manually annotated 1 time for cluster Y.

Gene Information:

Gene: 39HC_027 Start: 30067, Stop: 31293, Start Num: 62

Candidate Starts for 39HC_027:

(8, 29542), (11, 29644), (Start: 62 @30067 has 296 MA's), (73, 30106), (96, 30157), (Start: 105 @30178 has 1 MA's), (122, 30223), (148, 30283), (157, 30304), (158, 30307), (176, 30364), (193, 30418), (194, 30421), (196, 30427), (239, 30544), (272, 30613), (297, 30718), (341, 30850), (343, 30856), (375, 30979), (389, 31039), (411, 31093), (414, 31099), (429, 31147),

Gene: 40BC_027 Start: 30067, Stop: 31293, Start Num: 62

Candidate Starts for 40BC_027:

(8, 29542), (11, 29644), (Start: 62 @30067 has 296 MA's), (73, 30106), (96, 30157), (Start: 105 @30178 has 1 MA's), (122, 30223), (148, 30283), (157, 30304), (158, 30307), (176, 30364), (193, 30418), (194, 30421), (196, 30427), (239, 30544), (272, 30613), (297, 30718), (341, 30850), (343, 30856), (375, 30979), (389, 31039), (411, 31093), (414, 31099), (429, 31147),

Gene: ABU_33 Start: 32364, Stop: 33524, Start Num: 62

Candidate Starts for ABU_33:

(Start: 62 @32364 has 296 MA's), (Start: 105 @32475 has 1 MA's), (122, 32520), (163, 32619), (182, 32679), (193, 32715), (205, 32739), (223, 32784), (225, 32790), (241, 32841), (257, 32880), (259, 32883), (267, 32895), (280, 32910), (296, 32934), (319, 32967), (341, 33048), (348, 33093), (363, 33141), (374, 33177), (377, 33186), (379, 33192), (443, 33417),

Gene: Abinghost_33 Start: 32219, Stop: 33421, Start Num: 65

Candidate Starts for Abinghost_33:

(Start: 65 @32219 has 73 MA's), (73, 32252), (131, 32396), (134, 32405), (138, 32414), (157, 32453), (161, 32462), (166, 32480), (170, 32498), (177, 32516), (179, 32522), (183, 32534), (189, 32552), (193, 32567), (210, 32600), (220, 32627), (233, 32672), (270, 32753), (283, 32780), (290, 32798), (297, 32816), (315, 32858), (322, 32882), (343, 32957), (345, 32987), (363, 33047), (368, 33059), (372, 33077), (394, 33179), (429, 33284), (432, 33290), (435, 33308), (457, 33395),

Gene: AbsoluteMadLad_32 Start: 32373, Stop: 33533, Start Num: 62

Candidate Starts for AbsoluteMadLad_32:

(Start: 62 @32373 has 296 MA's), (Start: 105 @32484 has 1 MA's), (122, 32529), (163, 32628), (182, 32688), (193, 32724), (205, 32748), (223, 32793), (225, 32799), (241, 32850), (257, 32889), (259, 32892), (267, 32904), (280, 32919), (296, 32943), (319, 32976), (341, 33057), (348, 33102), (363, 33150), (374, 33186), (377, 33195), (379, 33201), (443, 33426),

Gene: Acadian_32 Start: 32586, Stop: 34091, Start Num: 19

Candidate Starts for Acadian_32:

(Start: 19 @32586 has 9 MA's), (22, 32604), (25, 32625), (31, 32679), (42, 32757), (44, 32775), (48, 32790), (52, 32802), (131, 33039), (151, 33090), (Start: 162 @33117 has 3 MA's), (168, 33144), (197, 33231), (202, 33246), (215, 33285), (245, 33375), (274, 33435), (323, 33558), (335, 33597), (343, 33633), (432, 33957), (461, 34077),

Gene: Acquire49_21 Start: 21688, Stop: 22860, Start Num: 65

Candidate Starts for Acquire49_21:

(Start: 64 @21685 has 5 MA's), (Start: 65 @21688 has 73 MA's), (Start: 113 @21814 has 1 MA's), (128, 21856), (133, 21868), (134, 21871), (151, 21904), (156, 21916), (170, 21964), (177, 21982), (189, 22018), (193, 22033), (218, 22084), (227, 22114), (240, 22156), (250, 22180), (292, 22216), (294, 22222), (309, 22249), (315, 22267), (343, 22360), (344, 22363), (361, 22447), (398, 22585), (407, 22603), (431, 22687),

Gene: ActinUp_28 Start: 23436, Stop: 24338, Start Num: 162

Candidate Starts for ActinUp_28:

(15, 22881), (32, 23028), (90, 23280), (Start: 114 @23325 has 91 MA's), (Start: 162 @23436 has 3 MA's), (199, 23550), (240, 23667), (259, 23709), (269, 23721), (319, 23775), (341, 23853), (363, 23949), (368, 23961), (376, 23991), (379, 24000), (409, 24114), (429, 24183),

Gene: Adephagia_28 Start: 23322, Stop: 24335, Start Num: 114

Candidate Starts for Adephagia_28:

(15, 22878), (32, 23025), (90, 23277), (Start: 114 @23322 has 91 MA's), (Start: 162 @23433 has 3 MA's), (199, 23547), (240, 23664), (259, 23706), (269, 23718), (319, 23772), (341, 23850), (363, 23946), (368, 23958), (376, 23988), (379, 23997), (409, 24111), (429, 24180),

Gene: Adonis_28 Start: 23439, Stop: 24341, Start Num: 162

Candidate Starts for Adonis_28:

(15, 22884), (90, 23283), (Start: 114 @23328 has 91 MA's), (Start: 162 @23439 has 3 MA's), (199, 23553), (240, 23670), (259, 23712), (269, 23724), (319, 23778), (341, 23856), (359, 23940), (363, 23952), (368, 23964), (379, 24003), (409, 24117), (429, 24186),

Gene: Adriana_33 Start: 32362, Stop: 33522, Start Num: 62

Candidate Starts for Adriana_33:

(Start: 62 @32362 has 296 MA's), (Start: 105 @32473 has 1 MA's), (122, 32518), (163, 32617), (182, 32677), (193, 32713), (205, 32737), (223, 32782), (225, 32788), (241, 32839), (257, 32878), (259,

32881), (267, 32893), (280, 32908), (296, 32932), (319, 32965), (341, 33046), (348, 33091), (363, 33139), (374, 33175), (377, 33184), (379, 33190), (443, 33415),

Gene: Aelin_32 Start: 31928, Stop: 33088, Start Num: 62

Candidate Starts for Aelin_32:

(Start: 62 @31928 has 296 MA's), (Start: 105 @32039 has 1 MA's), (122, 32084), (163, 32183), (182, 32243), (193, 32279), (205, 32303), (223, 32348), (225, 32354), (241, 32405), (257, 32444), (259, 32447), (267, 32459), (296, 32498), (319, 32531), (341, 32612), (348, 32657), (363, 32705), (374, 32741), (377, 32750), (379, 32756), (443, 32981),

Gene: Ageofdapage_28 Start: 23272, Stop: 24285, Start Num: 114

Candidate Starts for Ageofdapage_28:

(Start: 114 @23272 has 91 MA's), (Start: 162 @23383 has 3 MA's), (199, 23497), (240, 23614), (259, 23656), (319, 23722), (323, 23731), (341, 23800), (363, 23896), (368, 23908), (372, 23926), (379, 23947), (409, 24061), (429, 24130), (452, 24226),

Gene: Ahwei_29 Start: 31578, Stop: 32735, Start Num: 66

Candidate Starts for Ahwei_29:

(Start: 66 @31578 has 25 MA's), (99, 31671), (Start: 105 @31686 has 1 MA's), (111, 31701), (117, 31713), (122, 31731), (161, 31821), (176, 31872), (179, 31881), (181, 31887), (185, 31899), (193, 31926), (206, 31941), (210, 31947), (212, 31953), (226, 31986), (228, 31995), (239, 32028), (264, 32061), (302, 32151), (315, 32157), (342, 32256), (343, 32259), (379, 32403), (420, 32556),

Gene: Aikoy_42 Start: 32875, Stop: 34014, Start Num: 77

Candidate Starts for Aikoy_42:

(Start: 76 @32872 has 1 MA's), (Start: 77 @32875 has 3 MA's), (86, 32896), (Start: 101 @32932 has 6 MA's), (142, 33046), (144, 33049), (165, 33103), (172, 33130), (211, 33235), (216, 33244), (238, 33316), (258, 33367), (263, 33376), (289, 33397), (316, 33433), (362, 33619), (375, 33661), (376, 33664), (382, 33688), (396, 33754),

Gene: Akhila_20 Start: 20281, Stop: 21492, Start Num: 88

Candidate Starts for Akhila_20:

(Start: 88 @20281 has 25 MA's), (97, 20305), (120, 20362), (Start: 135 @20410 has 1 MA's), (Start: 162 @20470 has 3 MA's), (164, 20479), (167, 20494), (176, 20518), (184, 20542), (188, 20554), (199, 20590), (215, 20629), (219, 20638), (226, 20662), (233, 20692), (273, 20776), (274, 20779), (278, 20800), (285, 20836), (287, 20839), (295, 20860), (310, 20902), (341, 21019), (346, 21055), (349, 21061), (379, 21166), (397, 21247),

Gene: Akoma_33 Start: 32223, Stop: 33425, Start Num: 65

Candidate Starts for Akoma_33:

(Start: 65 @32223 has 73 MA's), (73, 32256), (131, 32400), (134, 32409), (138, 32418), (157, 32457), (161, 32466), (166, 32484), (170, 32502), (177, 32520), (179, 32526), (183, 32538), (189, 32556), (193, 32571), (210, 32604), (220, 32631), (233, 32676), (270, 32757), (283, 32784), (290, 32802), (297, 32820), (315, 32862), (322, 32886), (343, 32961), (345, 32991), (363, 33051), (368, 33063), (372, 33081), (394, 33183), (429, 33288), (432, 33294), (435, 33312), (457, 33399),

Gene: AlanGrant_31 Start: 33326, Stop: 34483, Start Num: 66

Candidate Starts for AlanGrant_31:

(Start: 66 @33326 has 25 MA's), (99, 33419), (Start: 105 @33434 has 1 MA's), (111, 33449), (117, 33461), (122, 33479), (161, 33569), (176, 33620), (179, 33629), (185, 33647), (193, 33674), (206, 33689), (210, 33695), (212, 33701), (226, 33734), (228, 33743), (239, 33776), (264, 33809), (272, 33821), (286, 33854), (292, 33869), (302, 33899), (315, 33905), (335, 33971), (340, 33995), (342, 34004), (379, 34151), (420, 34304),

Gene: AlishaPH_28 Start: 23315, Stop: 24328, Start Num: 114

Candidate Starts for AlishaPH_28:

(15, 22871), (90, 23270), (Start: 114 @23315 has 91 MA's), (Start: 162 @23426 has 3 MA's), (199, 23540), (240, 23657), (259, 23699), (269, 23711), (319, 23765), (341, 23843), (363, 23939), (368, 23951), (376, 23981), (379, 23990), (409, 24104), (429, 24173),

Gene: Allegro_33 Start: 32683, Stop: 33846, Start Num: 62

Candidate Starts for Allegro_33:

(35, 32536), (Start: 60 @32677 has 11 MA's), (Start: 62 @32683 has 296 MA's), (73, 32722), (85, 32752), (Start: 105 @32797 has 1 MA's), (122, 32842), (163, 32941), (182, 33001), (193, 33037), (205, 33061), (223, 33106), (225, 33112), (241, 33163), (257, 33202), (259, 33205), (267, 33217), (280, 33232), (296, 33256), (319, 33289), (341, 33370), (363, 33463), (374, 33499), (377, 33508), (379, 33514), (390, 33574), (443, 33739),

Gene: AltPhacts_33 Start: 32351, Stop: 33511, Start Num: 62

Candidate Starts for AltPhacts_33:

(Start: 62 @32351 has 296 MA's), (Start: 105 @32462 has 1 MA's), (122, 32507), (163, 32606), (182, 32666), (193, 32702), (205, 32726), (223, 32771), (225, 32777), (241, 32828), (257, 32867), (259, 32870), (267, 32882), (280, 32897), (296, 32921), (319, 32954), (341, 33035), (348, 33080), (363, 33128), (374, 33164), (377, 33173), (379, 33179), (443, 33404),

Gene: Altwerkus_32 Start: 32052, Stop: 33212, Start Num: 62

Candidate Starts for Altwerkus_32:

(Start: 62 @32052 has 296 MA's), (Start: 105 @32163 has 1 MA's), (122, 32208), (163, 32307), (182, 32367), (193, 32403), (205, 32427), (223, 32472), (225, 32478), (241, 32529), (257, 32568), (259, 32571), (267, 32583), (296, 32622), (319, 32655), (341, 32736), (348, 32781), (363, 32829), (374, 32865), (377, 32874), (379, 32880), (443, 33105),

Gene: Amelie_24 Start: 22900, Stop: 23907, Start Num: 116

Candidate Starts for Amelie_24:

(89, 22849), (94, 22861), (Start: 116 @22900 has 61 MA's), (140, 22960), (170, 23032), (189, 23086), (195, 23107), (240, 23236), (262, 23281), (264, 23284), (318, 23341), (319, 23344), (334, 23389), (342, 23425), (363, 23521), (368, 23533), (402, 23653), (439, 23785),

Gene: Amgine_26 Start: 23356, Stop: 24351, Start Num: 114

Candidate Starts for Amgine_26:

(100, 23320), (Start: 114 @23356 has 91 MA's), (153, 23446), (Start: 162 @23467 has 3 MA's), (197, 23575), (199, 23581), (207, 23602), (217, 23623), (329, 23830), (341, 23884), (342, 23887), (360, 23971), (361, 23974), (410, 24139),

Gene: Amohnition_27 Start: 23778, Stop: 24782, Start Num: 114

Candidate Starts for Amohnition_27:

(Start: 114 @23778 has 91 MA's), (203, 24015), (240, 24120), (336, 24279), (358, 24381), (361, 24393), (394, 24528), (404, 24546), (429, 24639), (444, 24705), (448, 24717),

Gene: Anaya_29 Start: 23452, Stop: 24354, Start Num: 162

Candidate Starts for Anaya_29:

(15, 22897), (90, 23296), (Start: 114 @23341 has 91 MA's), (Start: 162 @23452 has 3 MA's), (199, 23566), (240, 23683), (259, 23725), (269, 23737), (319, 23791), (341, 23869), (363, 23965), (368, 23977), (376, 24007), (379, 24016), (409, 24130), (429, 24199),

Gene: Anderson_33 Start: 32357, Stop: 33517, Start Num: 62

Candidate Starts for Anderson_33:

(Start: 62 @32357 has 296 MA's), (Start: 105 @32468 has 1 MA's), (122, 32513), (163, 32612), (182, 32672), (193, 32708), (205, 32732), (223, 32777), (225, 32783), (241, 32834), (257, 32873), (259, 32876), (267, 32888), (296, 32927), (319, 32960), (341, 33041), (348, 33086), (363, 33134), (374, 33170), (377, 33179), (379, 33185), (443, 33410),

Gene: Andre_33 Start: 32356, Stop: 33516, Start Num: 62

Candidate Starts for Andre_33:

(Start: 62 @32356 has 296 MA's), (Start: 105 @32467 has 1 MA's), (122, 32512), (163, 32611), (182, 32671), (193, 32707), (205, 32731), (223, 32776), (225, 32782), (241, 32833), (257, 32872), (259, 32875), (267, 32887), (296, 32926), (319, 32959), (341, 33040), (348, 33085), (363, 33133), (374, 33169), (377, 33178), (379, 33184), (443, 33409),

Gene: AngelCake_32 Start: 32376, Stop: 33536, Start Num: 62

Candidate Starts for AngelCake_32:

(Start: 62 @32376 has 296 MA's), (Start: 105 @32487 has 1 MA's), (122, 32532), (163, 32631), (182, 32691), (193, 32727), (205, 32751), (223, 32796), (225, 32802), (241, 32853), (257, 32892), (259, 32895), (267, 32907), (280, 32922), (296, 32946), (319, 32979), (341, 33060), (348, 33105), (363, 33153), (374, 33189), (377, 33198), (379, 33204), (443, 33429),

Gene: Angelica_28 Start: 23290, Stop: 24303, Start Num: 114

Candidate Starts for Angelica_28:

(Start: 114 @23290 has 91 MA's), (Start: 162 @23401 has 3 MA's), (199, 23515), (240, 23632), (269, 23686), (289, 23704), (319, 23740), (341, 23818), (363, 23914), (368, 23926), (376, 23956), (379, 23965), (409, 24079), (429, 24148),

Gene: Antihero_29 Start: 31578, Stop: 32735, Start Num: 66

Candidate Starts for Antihero_29:

(Start: 66 @31578 has 25 MA's), (99, 31671), (Start: 105 @31686 has 1 MA's), (111, 31701), (117, 31713), (122, 31731), (161, 31821), (176, 31872), (179, 31881), (181, 31887), (185, 31899), (193, 31926), (206, 31941), (210, 31947), (212, 31953), (226, 31986), (228, 31995), (239, 32028), (264, 32061), (302, 32151), (315, 32157), (342, 32256), (343, 32259), (379, 32403), (420, 32556),

Gene: Antonia_32 Start: 31928, Stop: 33088, Start Num: 62

Candidate Starts for Antonia_32:

(Start: 62 @31928 has 296 MA's), (Start: 105 @32039 has 1 MA's), (122, 32084), (163, 32183), (182, 32243), (193, 32279), (205, 32303), (223, 32348), (225, 32354), (241, 32405), (257, 32444), (259, 32447), (267, 32459), (296, 32498), (319, 32531), (341, 32612), (348, 32657), (363, 32705), (374, 32741), (377, 32750), (379, 32756), (443, 32981),

Gene: Apex_30 Start: 32785, Stop: 33942, Start Num: 66

Candidate Starts for Apex_30:

(Start: 66 @32785 has 25 MA's), (99, 32878), (Start: 105 @32893 has 1 MA's), (111, 32908), (117, 32920), (122, 32938), (139, 32980), (161, 33028), (176, 33079), (179, 33088), (185, 33106), (193, 33133), (206, 33148), (210, 33154), (212, 33160), (215, 33166), (226, 33193), (228, 33202), (239, 33235), (264, 33268), (292, 33328), (302, 33358), (315, 33364), (330, 33409), (342, 33463), (343, 33466), (379, 33610), (420, 33763),

Gene: Apizium_32 Start: 32120, Stop: 33280, Start Num: 62

Candidate Starts for Apizium_32:

(Start: 62 @32120 has 296 MA's), (Start: 105 @32231 has 1 MA's), (122, 32276), (163, 32375), (182, 32435), (193, 32471), (205, 32495), (223, 32540), (225, 32546), (241, 32597), (257, 32636), (259, 32639), (267, 32651), (296, 32690), (319, 32723), (341, 32804), (348, 32849), (363, 32897), (374,

32933), (377, 32942), (379, 32948), (443, 33173),

Gene: Apocalypse_28 Start: 23293, Stop: 24306, Start Num: 114

Candidate Starts for Apocalypse_28:

(Start: 114 @23293 has 91 MA's), (Start: 162 @23404 has 3 MA's), (199, 23518), (240, 23635), (259, 23677), (269, 23689), (319, 23743), (341, 23821), (363, 23917), (368, 23929), (379, 23968), (404, 24064), (409, 24082), (429, 24151),

Gene: Applecrisp_27 Start: 23857, Stop: 24774, Start Num: 153

Candidate Starts for Applecrisp_27:

(100, 23731), (Start: 114 @23767 has 91 MA's), (153, 23857), (Start: 162 @23878 has 3 MA's), (189, 23959), (199, 23992), (207, 24013), (342, 24298), (350, 24337), (361, 24382), (444, 24697), (460, 24757),

Gene: Appletree2_21 Start: 21628, Stop: 22803, Start Num: 64

Candidate Starts for Appletree2_21:

(Start: 64 @21628 has 5 MA's), (Start: 65 @21631 has 73 MA's), (Start: 113 @21757 has 1 MA's), (128, 21799), (133, 21811), (134, 21814), (151, 21847), (156, 21859), (170, 21907), (177, 21925), (189, 21961), (193, 21976), (218, 22027), (227, 22057), (240, 22099), (250, 22123), (292, 22159), (294, 22165), (309, 22192), (315, 22210), (343, 22303), (344, 22306), (361, 22390), (398, 22528), (407, 22546), (431, 22630),

Gene: Arbiter_33 Start: 32772, Stop: 33935, Start Num: 62

Candidate Starts for Arbiter_33:

(35, 32625), (Start: 60 @32766 has 11 MA's), (Start: 62 @32772 has 296 MA's), (73, 32811), (85, 32841), (Start: 105 @32886 has 1 MA's), (122, 32931), (163, 33030), (182, 33090), (193, 33126), (205, 33150), (223, 33195), (225, 33201), (241, 33252), (257, 33291), (259, 33294), (267, 33306), (280, 33321), (296, 33345), (319, 33378), (341, 33459), (363, 33552), (374, 33588), (377, 33597), (379, 33603), (390, 33663), (443, 33828),

Gene: Ares_33 Start: 32688, Stop: 33896, Start Num: 58

Candidate Starts for Ares_33:

(33, 32547), (Start: 58 @32688 has 2 MA's), (Start: 59 @32691 has 7 MA's), (85, 32760), (117, 32829), (124, 32859), (131, 32871), (133, 32877), (134, 32880), (138, 32889), (157, 32928), (161, 32937), (164, 32949), (182, 33006), (189, 33027), (193, 33042), (215, 33087), (220, 33102), (233, 33147), (262, 33216), (279, 33243), (288, 33267), (304, 33312), (315, 33333), (322, 33357), (343, 33432), (345, 33462), (363, 33522), (368, 33534), (372, 33552), (394, 33654), (429, 33759), (432, 33765), (435, 33783), (447, 33834), (457, 33870),

Gene: Argie_26 Start: 29663, Stop: 30871, Start Num: 60

Candidate Starts for Argie_26:

(Start: 58 @29657 has 2 MA's), (Start: 60 @29663 has 11 MA's), (72, 29702), (Start: 105 @29777 has 1 MA's), (108, 29780), (121, 29813), (124, 29834), (133, 29852), (136, 29858), (138, 29864), (157, 29903), (158, 29906), (161, 29912), (182, 29981), (189, 30002), (220, 30077), (233, 30122), (245, 30152), (267, 30197), (272, 30206), (274, 30212), (279, 30218), (288, 30242), (304, 30287), (315, 30308), (322, 30332), (343, 30407), (345, 30437), (363, 30497), (368, 30509), (372, 30527), (394, 30629), (432, 30740), (435, 30758), (447, 30809), (457, 30845),

Gene: Asayake_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Asayake_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (Start: 162 @23467 has 3 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (368, 23992), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Ashraf_32 Start: 31924, Stop: 33084, Start Num: 62

Candidate Starts for Ashraf_32:

(Start: 62 @31924 has 296 MA's), (Start: 105 @32035 has 1 MA's), (122, 32080), (163, 32179), (182, 32239), (193, 32275), (205, 32299), (223, 32344), (225, 32350), (241, 32401), (257, 32440), (259, 32443), (267, 32455), (280, 32470), (296, 32494), (319, 32527), (341, 32608), (348, 32653), (363, 32701), (374, 32737), (377, 32746), (379, 32752), (443, 32977),

Gene: Athena_34 Start: 32970, Stop: 34172, Start Num: 65

Candidate Starts for Athena_34:

(Start: 65 @32970 has 73 MA's), (73, 33003), (131, 33147), (134, 33156), (138, 33165), (157, 33204), (161, 33213), (166, 33231), (182, 33282), (185, 33291), (189, 33303), (191, 33309), (193, 33318), (215, 33363), (220, 33378), (233, 33423), (247, 33462), (262, 33492), (272, 33507), (279, 33519), (288, 33543), (304, 33588), (315, 33609), (322, 33633), (343, 33708), (345, 33738), (363, 33798), (368, 33810), (372, 33828), (394, 33930), (429, 34035), (432, 34041), (435, 34059), (457, 34146),

Gene: Atiba_28 Start: 23285, Stop: 24298, Start Num: 114

Candidate Starts for Atiba_28:

(15, 22841), (32, 22988), (90, 23240), (Start: 114 @23285 has 91 MA's), (168, 23417), (199, 23510), (240, 23627), (259, 23669), (269, 23681), (319, 23735), (341, 23813), (363, 23909), (376, 23951), (379, 23960), (409, 24074), (429, 24143),

Gene: Audrey_33 Start: 32219, Stop: 33421, Start Num: 65

Candidate Starts for Audrey_33:

(Start: 65 @32219 has 73 MA's), (73, 32252), (131, 32396), (134, 32405), (138, 32414), (157, 32453), (161, 32462), (166, 32480), (170, 32498), (177, 32516), (179, 32522), (183, 32534), (189, 32552), (193, 32567), (210, 32600), (220, 32627), (233, 32672), (270, 32753), (283, 32780), (290, 32798), (297, 32816), (315, 32858), (322, 32882), (343, 32957), (345, 32987), (363, 33047), (368, 33059), (372, 33077), (394, 33179), (429, 33284), (432, 33290), (435, 33308), (457, 33395),

Gene: Austelle_31 Start: 33241, Stop: 34398, Start Num: 66

Candidate Starts for Austelle_31:

(Start: 66 @33241 has 25 MA's), (99, 33334), (Start: 105 @33349 has 1 MA's), (111, 33364), (117, 33376), (122, 33394), (139, 33436), (161, 33484), (176, 33535), (179, 33544), (185, 33562), (193, 33589), (206, 33604), (210, 33610), (212, 33616), (215, 33622), (226, 33649), (228, 33658), (239, 33691), (264, 33724), (292, 33784), (302, 33814), (315, 33820), (330, 33865), (342, 33919), (343, 33922), (379, 34066), (420, 34219),

Gene: AvadaKedavra_21 Start: 21698, Stop: 22870, Start Num: 65

Candidate Starts for AvadaKedavra_21:

(Start: 64 @21695 has 5 MA's), (Start: 65 @21698 has 73 MA's), (Start: 113 @21824 has 1 MA's), (128, 21866), (133, 21878), (134, 21881), (151, 21914), (156, 21926), (170, 21974), (177, 21992), (189, 22028), (193, 22043), (218, 22094), (227, 22124), (240, 22166), (250, 22190), (292, 22226), (294, 22232), (309, 22259), (315, 22277), (343, 22370), (344, 22373), (361, 22457), (398, 22595), (407, 22613), (431, 22697),

Gene: Aziz_35 Start: 27886, Stop: 28968, Start Num: 101

Candidate Starts for Aziz_35:

(94, 27865), (100, 27880), (Start: 101 @27886 has 6 MA's), (126, 27961), (145, 28006), (148, 28012), (151, 28018), (158, 28036), (Start: 162 @28045 has 3 MA's), (177, 28096), (182, 28111), (190, 28135), (196, 28156), (215, 28210), (218, 28216), (233, 28270), (325, 28426), (434, 28837),

Gene: BEEST_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for BEEST_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (Start: 162 @23467 has 3 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (368, 23992), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: BGlluviae_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for BGlluviae_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: BabeRuth_21 Start: 19877, Stop: 21031, Start Num: 88

Candidate Starts for BabeRuth_21:

(34, 19640), (39, 19682), (43, 19712), (49, 19742), (63, 19802), (78, 19856), (Start: 88 @19877 has 25 MA's), (112, 19940), (120, 19958), (Start: 135 @20006 has 1 MA's), (Start: 162 @20066 has 3 MA's), (164, 20075), (167, 20090), (176, 20114), (184, 20138), (188, 20150), (215, 20225), (219, 20234), (226, 20258), (233, 20288), (251, 20333), (252, 20336), (255, 20342), (285, 20372), (287, 20375), (295, 20396), (341, 20555), (360, 20645), (363, 20654), (372, 20684), (379, 20705), (458, 21008),

Gene: Badfish_33 Start: 32386, Stop: 33546, Start Num: 62

Candidate Starts for Badfish_33:

(Start: 62 @32386 has 296 MA's), (Start: 105 @32497 has 1 MA's), (122, 32542), (163, 32641), (182, 32701), (193, 32737), (205, 32761), (223, 32806), (225, 32812), (241, 32863), (257, 32902), (259, 32905), (267, 32917), (280, 32932), (296, 32956), (319, 32989), (341, 33070), (348, 33115), (363, 33163), (374, 33199), (377, 33208), (379, 33214), (443, 33439),

Gene: Bae_31 Start: 32397, Stop: 33902, Start Num: 19

Candidate Starts for Bae_31:

(Start: 19 @32397 has 9 MA's), (22, 32415), (25, 32436), (31, 32490), (37, 32508), (44, 32586), (48, 32601), (151, 32901), (Start: 162 @32928 has 3 MA's), (168, 32955), (191, 33021), (197, 33042), (202, 33057), (215, 33096), (245, 33186), (256, 33213), (274, 33246), (315, 33342), (323, 33369), (335, 33408), (343, 33444), (372, 33567), (400, 33672), (432, 33768), (435, 33786), (461, 33888),

Gene: BaghaKamala_28 Start: 23285, Stop: 24298, Start Num: 114

Candidate Starts for BaghaKamala_28:

(15, 22841), (90, 23240), (Start: 114 @23285 has 91 MA's), (Start: 162 @23396 has 3 MA's), (199, 23510), (240, 23627), (259, 23669), (269, 23681), (319, 23735), (341, 23813), (363, 23909), (368, 23921), (376, 23951), (379, 23960), (409, 24074), (429, 24143),

Gene: Baloo_33 Start: 32222, Stop: 33424, Start Num: 65

Candidate Starts for Baloo_33:

(Start: 65 @32222 has 73 MA's), (73, 32255), (131, 32399), (134, 32408), (138, 32417), (157, 32456), (161, 32465), (166, 32483), (182, 32534), (185, 32543), (189, 32555), (191, 32561), (193, 32570), (215, 32615), (220, 32630), (233, 32675), (247, 32714), (262, 32744), (272, 32759), (279, 32771), (288, 32795), (304, 32840), (315, 32861), (322, 32885), (343, 32960), (345, 32990), (363, 33050), (368, 33062), (372, 33080), (394, 33182), (429, 33287), (432, 33293), (435, 33311), (457, 33398),

Gene: Bananafish_33 Start: 32686, Stop: 33855, Start Num: 60

Candidate Starts for Bananafish_33:

(35, 32545), (Start: 60 @32686 has 11 MA's), (Start: 62 @32692 has 296 MA's), (73, 32731), (85, 32761), (Start: 105 @32806 has 1 MA's), (122, 32851), (163, 32950), (182, 33010), (193, 33046), (205, 33070), (223, 33115), (225, 33121), (241, 33172), (257, 33211), (259, 33214), (267, 33226), (280, 33241), (296, 33265), (319, 33298), (341, 33379), (363, 33472), (374, 33508), (377, 33517), (379,

33523), (443, 33748),

Gene: Banjo_32 Start: 32062, Stop: 33222, Start Num: 62

Candidate Starts for Banjo_32:

(Start: 62 @32062 has 296 MA's), (Start: 105 @32173 has 1 MA's), (122, 32218), (163, 32317), (182, 32377), (193, 32413), (205, 32437), (223, 32482), (225, 32488), (241, 32539), (257, 32578), (259, 32581), (267, 32593), (280, 32608), (296, 32632), (319, 32665), (341, 32746), (348, 32791), (363, 32839), (374, 32875), (377, 32884), (379, 32890), (443, 33115),

Gene: Barnyard_37 Start: 29858, Stop: 30898, Start Num: 115

Candidate Starts for Barnyard_37:

(53, 29684), (Start: 105 @29834 has 1 MA's), (Start: 115 @29858 has 2 MA's), (176, 30035), (197, 30089), (235, 30188), (263, 30254), (266, 30257), (271, 30266), (314, 30308), (337, 30389), (338, 30401), (363, 30506), (375, 30545), (393, 30635), (404, 30656), (425, 30725), (429, 30740), (457, 30878), (458, 30881), (459, 30884),

Gene: BarrelRoll_28 Start: 23308, Stop: 24321, Start Num: 114

Candidate Starts for BarrelRoll_28:

(15, 22864), (90, 23263), (Start: 114 @23308 has 91 MA's), (Start: 162 @23419 has 3 MA's), (199, 23533), (240, 23650), (259, 23692), (269, 23704), (319, 23758), (341, 23836), (363, 23932), (376, 23974), (379, 23983), (409, 24097), (429, 24166),

Gene: Basato_34 Start: 32641, Stop: 33801, Start Num: 62

Candidate Starts for Basato_34:

(Start: 62 @32641 has 296 MA's), (Start: 105 @32752 has 1 MA's), (122, 32797), (163, 32896), (182, 32956), (193, 32992), (205, 33016), (223, 33061), (225, 33067), (241, 33118), (257, 33157), (259, 33160), (267, 33172), (280, 33187), (296, 33211), (319, 33244), (341, 33325), (348, 33370), (363, 33418), (374, 33454), (377, 33463), (379, 33469), (443, 33694),

Gene: BatteryCK_32 Start: 31981, Stop: 33141, Start Num: 62

Candidate Starts for BatteryCK_32:

(Start: 62 @31981 has 296 MA's), (Start: 105 @32092 has 1 MA's), (122, 32137), (163, 32236), (182, 32296), (193, 32332), (205, 32356), (223, 32401), (225, 32407), (241, 32458), (257, 32497), (259, 32500), (267, 32512), (296, 32551), (319, 32584), (341, 32665), (363, 32758), (374, 32794), (377, 32803), (379, 32809), (443, 33034),

Gene: Beaglebox_32 Start: 32083, Stop: 33243, Start Num: 62

Candidate Starts for Beaglebox_32:

(Start: 62 @32083 has 296 MA's), (Start: 105 @32194 has 1 MA's), (122, 32239), (163, 32338), (182, 32398), (193, 32434), (205, 32458), (223, 32503), (225, 32509), (241, 32560), (257, 32599), (259, 32602), (267, 32614), (296, 32653), (319, 32686), (341, 32767), (348, 32812), (363, 32860), (374, 32896), (377, 32905), (379, 32911), (443, 33136),

Gene: Beezoo_28 Start: 23333, Stop: 24346, Start Num: 114

Candidate Starts for Beezoo_28:

(Start: 114 @23333 has 91 MA's), (Start: 162 @23444 has 3 MA's), (199, 23558), (215, 23597), (240, 23675), (259, 23717), (269, 23729), (319, 23783), (341, 23861), (359, 23945), (363, 23957), (368, 23969), (379, 24008), (409, 24122), (429, 24191),

Gene: Bella96_28 Start: 23266, Stop: 24279, Start Num: 114

Candidate Starts for Bella96_28:

(90, 23221), (Start: 114 @23266 has 91 MA's), (124, 23299), (Start: 162 @23377 has 3 MA's), (199, 23491), (240, 23608), (259, 23650), (269, 23662), (319, 23716), (341, 23794), (359, 23878), (363,

23890), (368, 23902), (371, 23914), (379, 23941), (385, 23977), (429, 24124), (452, 24220),

Gene: Belladonna_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Belladonna_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Bellis_22 Start: 22249, Stop: 23466, Start Num: 65

Candidate Starts for Bellis_22:

(Start: 65 @22249 has 73 MA's), (103, 22351), (110, 22363), (117, 22381), (121, 22390), (133, 22429), (151, 22465), (157, 22480), (160, 22486), (167, 22516), (168, 22519), (181, 22555), (185, 22567), (204, 22618), (206, 22621), (228, 22681), (236, 22708), (242, 22723), (245, 22729), (249, 22741), (276, 22801), (288, 22825), (315, 22885), (342, 22981), (345, 23014), (369, 23086), (374, 23110), (379, 23125), (437, 23338), (440, 23350),

Gene: Ben11_32 Start: 32041, Stop: 33243, Start Num: 65

Candidate Starts for Ben11_32:

(Start: 65 @32041 has 73 MA's), (73, 32074), (131, 32218), (134, 32227), (138, 32236), (157, 32275), (161, 32284), (166, 32302), (170, 32320), (177, 32338), (179, 32344), (183, 32356), (189, 32374), (193, 32389), (210, 32422), (220, 32449), (233, 32494), (270, 32575), (283, 32602), (290, 32620), (297, 32638), (315, 32680), (322, 32704), (343, 32779), (345, 32809), (363, 32869), (368, 32881), (372, 32899), (393, 32998), (394, 33001), (429, 33106), (432, 33112), (435, 33130), (457, 33217),

Gene: Bern_30 Start: 23389, Stop: 24291, Start Num: 162

Candidate Starts for Bern_30:

(61, 23140), (70, 23179), (80, 23209), (82, 23215), (Start: 114 @23278 has 91 MA's), (Start: 162 @23389 has 3 MA's), (199, 23503), (207, 23524), (240, 23620), (246, 23638), (259, 23662), (269, 23674), (319, 23728), (341, 23806), (363, 23902), (368, 23914), (379, 23953), (385, 23989), (429, 24136),

Gene: Bernardo_33 Start: 32309, Stop: 33511, Start Num: 65

Candidate Starts for Bernardo_33:

(Start: 65 @32309 has 73 MA's), (73, 32342), (131, 32486), (134, 32495), (138, 32504), (157, 32543), (161, 32552), (166, 32570), (182, 32621), (185, 32630), (189, 32642), (193, 32657), (215, 32702), (220, 32717), (233, 32762), (262, 32831), (272, 32846), (279, 32858), (288, 32882), (306, 32930), (309, 32936), (312, 32942), (315, 32948), (322, 32972), (343, 33047), (345, 33077), (363, 33137), (368, 33149), (372, 33167), (394, 33269), (429, 33374), (432, 33380), (447, 33449),

Gene: BigPhil_20 Start: 20087, Stop: 21244, Start Num: 83

Candidate Starts for BigPhil_20:

(Start: 83 @20087 has 3 MA's), (Start: 88 @20090 has 25 MA's), (Start: 135 @20219 has 1 MA's), (150, 20249), (Start: 162 @20279 has 3 MA's), (164, 20288), (167, 20303), (176, 20327), (184, 20351), (188, 20363), (215, 20438), (219, 20447), (226, 20471), (233, 20501), (285, 20585), (287, 20588), (295, 20609), (360, 20858), (363, 20867), (372, 20897), (379, 20918), (392, 20987), (458, 21221),

Gene: Biglebops_24 Start: 22900, Stop: 23907, Start Num: 116

Candidate Starts for Biglebops_24:

(89, 22849), (94, 22861), (Start: 116 @22900 has 61 MA's), (140, 22960), (170, 23032), (189, 23086), (195, 23107), (240, 23236), (262, 23281), (264, 23284), (318, 23341), (319, 23344), (334, 23389), (342, 23425), (363, 23521), (368, 23533), (402, 23653), (439, 23785),

Gene: Bipper_28 Start: 26155, Stop: 27216, Start Num: 88

Candidate Starts for Bipper_28:

(Start: 88 @26155 has 25 MA's), (141, 26293), (151, 26314), (152, 26317), (167, 26365), (168, 26368), (199, 26443), (219, 26488), (232, 26530), (233, 26533), (240, 26551), (249, 26575), (259, 26587), (265, 26596), (287, 26602), (342, 26734), (361, 26824), (379, 26881), (384, 26917), (392, 26956), (421, 27037), (460, 27199),

Gene: Bishoperium_32 Start: 32071, Stop: 33231, Start Num: 62

Candidate Starts for Bishoperium_32:

(Start: 62 @32071 has 296 MA's), (Start: 105 @32182 has 1 MA's), (122, 32227), (163, 32326), (182, 32386), (193, 32422), (205, 32446), (223, 32491), (225, 32497), (241, 32548), (257, 32587), (259, 32590), (267, 32602), (280, 32617), (296, 32641), (319, 32674), (341, 32755), (348, 32800), (363, 32848), (374, 32884), (377, 32893), (379, 32899), (443, 33124),

Gene: BlackStallion_33 Start: 32373, Stop: 33533, Start Num: 62

Candidate Starts for BlackStallion_33:

(Start: 62 @32373 has 296 MA's), (Start: 105 @32484 has 1 MA's), (122, 32529), (163, 32628), (182, 32688), (193, 32724), (205, 32748), (223, 32793), (225, 32799), (241, 32850), (257, 32889), (259, 32892), (267, 32904), (280, 32919), (296, 32943), (319, 32976), (341, 33057), (348, 33102), (363, 33150), (374, 33186), (377, 33195), (379, 33201), (443, 33426),

Gene: Blizzard_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Blizzard_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (Start: 162 @23467 has 3 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (368, 23992), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Blocker23_33 Start: 32804, Stop: 33973, Start Num: 60

Candidate Starts for Blocker23_33:

(35, 32663), (Start: 60 @32804 has 11 MA's), (Start: 62 @32810 has 296 MA's), (73, 32849), (85, 32879), (Start: 105 @32924 has 1 MA's), (122, 32969), (163, 33068), (182, 33128), (193, 33164), (205, 33188), (223, 33233), (225, 33239), (241, 33290), (257, 33329), (259, 33332), (267, 33344), (280, 33359), (296, 33383), (319, 33416), (341, 33497), (363, 33590), (374, 33626), (377, 33635), (379, 33641), (443, 33866),

Gene: BlueHusk_33 Start: 31870, Stop: 33030, Start Num: 62

Candidate Starts for BlueHusk_33:

(Start: 62 @31870 has 296 MA's), (Start: 105 @31981 has 1 MA's), (122, 32026), (163, 32125), (182, 32185), (193, 32221), (205, 32245), (223, 32290), (225, 32296), (241, 32347), (257, 32386), (259, 32389), (267, 32401), (280, 32416), (296, 32440), (319, 32473), (341, 32554), (348, 32599), (363, 32647), (374, 32683), (377, 32692), (379, 32698), (443, 32923),

Gene: Bluephacebaby_32 Start: 32068, Stop: 33228, Start Num: 62

Candidate Starts for Bluephacebaby_32:

(Start: 62 @32068 has 296 MA's), (Start: 105 @32179 has 1 MA's), (122, 32224), (163, 32323), (182, 32383), (193, 32419), (205, 32443), (223, 32488), (225, 32494), (241, 32545), (257, 32584), (259, 32587), (267, 32599), (280, 32614), (296, 32638), (319, 32671), (341, 32752), (348, 32797), (363, 32845), (374, 32881), (377, 32890), (379, 32896), (443, 33121),

Gene: BobbyK_30 Start: 32610, Stop: 33767, Start Num: 66

Candidate Starts for BobbyK_30:

(Start: 66 @32610 has 25 MA's), (99, 32703), (Start: 105 @32718 has 1 MA's), (111, 32733), (117, 32745), (122, 32763), (176, 32904), (179, 32913), (185, 32931), (193, 32958), (206, 32973), (210, 32979), (212, 32985), (215, 32991), (226, 33018), (228, 33027), (239, 33060), (264, 33093), (292,

33153), (302, 33183), (315, 33189), (330, 33234), (342, 33288), (343, 33291), (379, 33435), (420, 33588),

Gene: Bobquesha_30 Start: 24333, Stop: 25337, Start Num: 116

Candidate Starts for Bobquesha_30:

(Start: 116 @24333 has 61 MA's), (183, 24501), (197, 24546), (199, 24552), (220, 24606), (249, 24696), (262, 24717), (269, 24726), (341, 24858), (342, 24861), (377, 24999), (388, 25068), (448, 25272),

Gene: Boehler_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Boehler_33:

(Start: 62 @32374 has 296 MA's), (Start: 105 @32485 has 1 MA's), (122, 32530), (163, 32629), (182, 32689), (193, 32725), (205, 32749), (223, 32794), (225, 32800), (241, 32851), (257, 32890), (259, 32893), (267, 32905), (280, 32920), (296, 32944), (319, 32977), (341, 33058), (348, 33103), (363, 33151), (374, 33187), (377, 33196), (379, 33202), (443, 33427),

Gene: Boiiii_28 Start: 23358, Stop: 24371, Start Num: 114

Candidate Starts for Boiiii_28:

(15, 22914), (90, 23313), (Start: 114 @23358 has 91 MA's), (Start: 162 @23469 has 3 MA's), (199, 23583), (240, 23700), (259, 23742), (269, 23754), (319, 23808), (341, 23886), (363, 23982), (368, 23994), (376, 24024), (379, 24033), (409, 24147), (429, 24216),

Gene: Bonum_48 Start: 35639, Stop: 36694, Start Num: 106

Candidate Starts for Bonum_48:

(79, 35576), (Start: 106 @35639 has 23 MA's), (185, 35852), (204, 35909), (248, 36035), (368, 36323), (458, 36668),

Gene: BoostSeason_25 Start: 21308, Stop: 22333, Start Num: 116

Candidate Starts for BoostSeason_25:

(69, 21224), (Start: 116 @21308 has 61 MA's), (160, 21413), (180, 21473), (197, 21527), (199, 21533), (228, 21614), (229, 21620), (234, 21635), (235, 21638), (343, 21842), (456, 22301), (458, 22310),

Gene: BourbonZero_21 Start: 22227, Stop: 23426, Start Num: 65

Candidate Starts for BourbonZero_21:

(Start: 65 @22227 has 73 MA's), (103, 22329), (117, 22359), (121, 22368), (133, 22407), (138, 22419), (157, 22458), (167, 22494), (170, 22503), (183, 22539), (201, 22587), (249, 22719), (252, 22725), (305, 22839), (315, 22863), (341, 22956), (345, 22992), (361, 23046), (369, 23064), (424, 23256), (449, 23364),

Gene: Boyle_33 Start: 32811, Stop: 33974, Start Num: 62

Candidate Starts for Boyle_33:

(35, 32664), (Start: 60 @32805 has 11 MA's), (Start: 62 @32811 has 296 MA's), (73, 32850), (85, 32880), (Start: 105 @32925 has 1 MA's), (122, 32970), (163, 33069), (182, 33129), (193, 33165), (205, 33189), (223, 33234), (225, 33240), (241, 33291), (257, 33330), (259, 33333), (267, 33345), (280, 33360), (296, 33384), (319, 33417), (341, 33498), (348, 33543), (363, 33591), (374, 33627), (377, 33636), (379, 33642), (390, 33702), (443, 33867),

Gene: BrainDrainer_22 Start: 21566, Stop: 22720, Start Num: 65

Candidate Starts for BrainDrainer_22:

(Start: 65 @21566 has 73 MA's), (103, 21668), (110, 21680), (134, 21749), (170, 21842), (189, 21896), (201, 21926), (204, 21935), (221, 21974), (235, 22022), (245, 22046), (249, 22058), (288, 22082), (326, 22172), (356, 22289), (360, 22325), (363, 22334), (380, 22391), (386, 22430),

Gene: Brilliant_33 Start: 32079, Stop: 33239, Start Num: 62

Candidate Starts for Brilliant_33:

(Start: 62 @32079 has 296 MA's), (Start: 105 @32190 has 1 MA's), (122, 32235), (163, 32334), (182, 32394), (193, 32430), (205, 32454), (223, 32499), (225, 32505), (241, 32556), (257, 32595), (259, 32598), (267, 32610), (296, 32649), (319, 32682), (341, 32763), (348, 32808), (363, 32856), (374, 32892), (377, 32901), (379, 32907), (443, 33132),

Gene: Brocalys_20 Start: 19901, Stop: 21058, Start Num: 87

Candidate Starts for Brocalys_20:

(Start: 87 @19901 has 2 MA's), (125, 20009), (Start: 135 @20030 has 1 MA's), (Start: 162 @20090 has 3 MA's), (167, 20114), (169, 20120), (176, 20138), (180, 20150), (184, 20162), (188, 20174), (209, 20234), (215, 20249), (219, 20258), (226, 20282), (233, 20312), (285, 20396), (287, 20399), (295, 20420), (301, 20441), (307, 20450), (310, 20462), (311, 20471), (379, 20732), (392, 20801), (458, 21035),

Gene: BrownCNA_31 Start: 32871, Stop: 34028, Start Num: 66

Candidate Starts for BrownCNA_31:

(Start: 66 @32871 has 25 MA's), (99, 32964), (Start: 105 @32979 has 1 MA's), (111, 32994), (117, 33006), (122, 33024), (139, 33066), (176, 33165), (179, 33174), (185, 33192), (193, 33219), (206, 33234), (210, 33240), (212, 33246), (215, 33252), (226, 33279), (228, 33288), (239, 33321), (264, 33354), (290, 33408), (292, 33414), (302, 33444), (315, 33450), (321, 33471), (330, 33495), (342, 33549), (343, 33552), (379, 33696),

Gene: Brownie5_33 Start: 32811, Stop: 33980, Start Num: 60

Candidate Starts for Brownie5_33:

(35, 32670), (Start: 60 @32811 has 11 MA's), (Start: 62 @32817 has 296 MA's), (73, 32856), (85, 32886), (Start: 105 @32931 has 1 MA's), (122, 32976), (163, 33075), (182, 33135), (193, 33171), (205, 33195), (223, 33240), (225, 33246), (241, 33297), (257, 33336), (259, 33339), (267, 33351), (280, 33366), (296, 33390), (319, 33423), (341, 33504), (363, 33597), (374, 33633), (377, 33642), (379, 33648), (390, 33708), (443, 33873),

Gene: Bryler_28 Start: 22694, Stop: 23755, Start Num: 116

Candidate Starts for Bryler_28:

(Start: 116 @22694 has 61 MA's), (150, 22772), (151, 22775), (160, 22793), (195, 22901), (204, 22928), (207, 22934), (240, 23030), (245, 23042), (303, 23144), (318, 23195), (345, 23312), (413, 23555), (420, 23573), (429, 23612),

Gene: Buckeye_33 Start: 32391, Stop: 33551, Start Num: 62

Candidate Starts for Buckeye_33:

(Start: 62 @32391 has 296 MA's), (Start: 105 @32502 has 1 MA's), (122, 32547), (163, 32646), (182, 32706), (193, 32742), (205, 32766), (223, 32811), (225, 32817), (241, 32868), (257, 32907), (259, 32910), (267, 32922), (280, 32937), (296, 32961), (319, 32994), (341, 33075), (348, 33120), (363, 33168), (374, 33204), (377, 33213), (379, 33219), (443, 33444),

Gene: Buggaboo_46 Start: 36118, Stop: 37173, Start Num: 106

Candidate Starts for Buggaboo_46:

(Start: 106 @36118 has 23 MA's), (185, 36331), (248, 36514), (368, 36802), (458, 37147),

Gene: Burr_32 Start: 32068, Stop: 33228, Start Num: 62

Candidate Starts for Burr_32:

(Start: 62 @32068 has 296 MA's), (Start: 105 @32179 has 1 MA's), (122, 32224), (163, 32323), (182, 32383), (193, 32419), (205, 32443), (223, 32488), (225, 32494), (241, 32545), (257, 32584), (259, 32587), (267, 32599), (296, 32638), (319, 32671), (341, 32752), (348, 32797), (363, 32845), (374,

32881), (377, 32890), (379, 32896), (443, 33121),

Gene: CREW_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for CREW_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Cain_28 Start: 22682, Stop: 23743, Start Num: 116

Candidate Starts for Cain_28:

(Start: 116 @22682 has 61 MA's), (150, 22760), (151, 22763), (160, 22781), (195, 22889), (204, 22916), (207, 22922), (240, 23018), (245, 23030), (303, 23132), (318, 23183), (345, 23300), (413, 23543), (420, 23561), (429, 23600),

Gene: Calamitous_33 Start: 32697, Stop: 33860, Start Num: 62

Candidate Starts for Calamitous_33:

(35, 32550), (Start: 60 @32691 has 11 MA's), (Start: 62 @32697 has 296 MA's), (73, 32736), (85, 32766), (Start: 105 @32811 has 1 MA's), (122, 32856), (163, 32955), (182, 33015), (193, 33051), (205, 33075), (223, 33120), (225, 33126), (241, 33177), (257, 33216), (259, 33219), (267, 33231), (280, 33246), (296, 33270), (319, 33303), (341, 33384), (363, 33477), (374, 33513), (377, 33522), (379, 33528), (443, 33753),

Gene: CallaLilly_29 Start: 23279, Stop: 24292, Start Num: 114

Candidate Starts for CallaLilly_29:

(15, 22835), (90, 23234), (Start: 114 @23279 has 91 MA's), (199, 23504), (240, 23621), (259, 23663), (269, 23675), (319, 23729), (341, 23807), (363, 23903), (376, 23945), (379, 23954), (409, 24068), (429, 24137),

Gene: Calm_21 Start: 21702, Stop: 22874, Start Num: 65

Candidate Starts for Calm_21:

(Start: 64 @21699 has 5 MA's), (Start: 65 @21702 has 73 MA's), (Start: 113 @21828 has 1 MA's), (128, 21870), (133, 21882), (134, 21885), (151, 21918), (156, 21930), (160, 21939), (170, 21978), (177, 21996), (189, 22032), (193, 22047), (218, 22098), (227, 22128), (240, 22170), (250, 22194), (292, 22230), (294, 22236), (309, 22263), (315, 22281), (343, 22374), (344, 22377), (361, 22461), (398, 22599), (407, 22617), (431, 22701),

Gene: CamL_33 Start: 32369, Stop: 33529, Start Num: 62

Candidate Starts for CamL_33:

(Start: 62 @32369 has 296 MA's), (Start: 105 @32480 has 1 MA's), (122, 32525), (163, 32624), (182, 32684), (193, 32720), (205, 32744), (223, 32789), (225, 32795), (241, 32846), (257, 32885), (259, 32888), (267, 32900), (280, 32915), (296, 32939), (319, 32972), (341, 33053), (348, 33098), (363, 33146), (374, 33182), (377, 33191), (379, 33197), (443, 33422),

Gene: CampRoach_33 Start: 32359, Stop: 33519, Start Num: 62

Candidate Starts for CampRoach_33:

(Start: 62 @32359 has 296 MA's), (Start: 105 @32470 has 1 MA's), (122, 32515), (163, 32614), (182, 32674), (193, 32710), (205, 32734), (223, 32779), (225, 32785), (241, 32836), (257, 32875), (259, 32878), (267, 32890), (296, 32929), (319, 32962), (341, 33043), (363, 33136), (374, 33172), (377, 33181), (379, 33187), (443, 33412),

Gene: Cannibal_33 Start: 32352, Stop: 33512, Start Num: 62

Candidate Starts for Cannibal_33:

(Start: 62 @32352 has 296 MA's), (Start: 105 @32463 has 1 MA's), (122, 32508), (163, 32607), (182, 32667), (193, 32703), (205, 32727), (223, 32772), (225, 32778), (241, 32829), (257, 32868), (259, 32871), (267, 32883), (296, 32922), (319, 32955), (341, 33036), (348, 33081), (363, 33129), (374, 33165), (377, 33174), (379, 33180), (443, 33405),

Gene: Capricorn_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Capricorn_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Carthage_31 Start: 31281, Stop: 32441, Start Num: 62

Candidate Starts for Carthage_31:

(Start: 62 @31281 has 296 MA's), (Start: 105 @31392 has 1 MA's), (122, 31437), (163, 31536), (182, 31596), (193, 31632), (205, 31656), (223, 31701), (225, 31707), (241, 31758), (257, 31797), (259, 31800), (267, 31812), (296, 31851), (319, 31884), (341, 31965), (348, 32010), (363, 32058), (374, 32094), (377, 32103), (379, 32109), (443, 32334),

Gene: Casbah_32 Start: 32071, Stop: 33273, Start Num: 65

Candidate Starts for Casbah_32:

(Start: 65 @32071 has 73 MA's), (73, 32104), (131, 32248), (134, 32257), (138, 32266), (157, 32305), (161, 32314), (166, 32332), (170, 32350), (177, 32368), (179, 32374), (183, 32386), (189, 32404), (193, 32419), (210, 32452), (220, 32479), (233, 32524), (270, 32605), (283, 32632), (290, 32650), (297, 32668), (315, 32710), (322, 32734), (343, 32809), (345, 32839), (363, 32899), (368, 32911), (372, 32929), (393, 33028), (394, 33031), (429, 33136), (432, 33142), (435, 33160), (457, 33247),

Gene: CaseJules_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for CaseJules_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (Start: 162 @23467 has 3 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (368, 23992), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Caspiboi_34 Start: 32078, Stop: 33238, Start Num: 62

Candidate Starts for Caspiboi_34:

(Start: 62 @32078 has 296 MA's), (Start: 105 @32189 has 1 MA's), (122, 32234), (163, 32333), (182, 32393), (193, 32429), (205, 32453), (223, 32498), (225, 32504), (241, 32555), (257, 32594), (259, 32597), (267, 32609), (296, 32648), (319, 32681), (341, 32762), (363, 32855), (374, 32891), (377, 32900), (379, 32906), (443, 33131),

Gene: Cepens_25 Start: 29381, Stop: 30586, Start Num: 59

Candidate Starts for Cepens_25:

(Start: 58 @29378 has 2 MA's), (Start: 59 @29381 has 7 MA's), (85, 29450), (117, 29519), (124, 29549), (131, 29561), (133, 29567), (134, 29570), (138, 29579), (157, 29618), (161, 29627), (164, 29639), (182, 29696), (185, 29705), (189, 29717), (193, 29732), (215, 29777), (220, 29792), (233, 29837), (262, 29906), (279, 29933), (288, 29957), (304, 30002), (315, 30023), (322, 30047), (343, 30122), (345, 30152), (363, 30212), (368, 30224), (372, 30242), (394, 30344), (432, 30455), (435, 30473), (447, 30524), (457, 30560),

Gene: Cerasum_20 Start: 20087, Stop: 21244, Start Num: 83

Candidate Starts for Cerasum_20:

(Start: 83 @20087 has 3 MA's), (Start: 88 @20090 has 25 MA's), (Start: 135 @20219 has 1 MA's), (150, 20249), (Start: 162 @20279 has 3 MA's), (164, 20288), (167, 20303), (176, 20327), (184, 20351), (188, 20363), (215, 20438), (219, 20447), (226, 20471), (233, 20501), (285, 20585), (287, 20588),

(295, 20609), (360, 20858), (363, 20867), (372, 20897), (379, 20918), (392, 20987), (458, 21221),

Gene: ChaChing_33 Start: 32234, Stop: 33436, Start Num: 65

Candidate Starts for ChaChing_33:

(Start: 65 @32234 has 73 MA's), (73, 32267), (131, 32411), (134, 32420), (138, 32429), (157, 32468), (161, 32477), (166, 32495), (170, 32513), (177, 32531), (179, 32537), (183, 32549), (189, 32567), (193, 32582), (210, 32615), (220, 32642), (233, 32687), (270, 32768), (283, 32795), (290, 32813), (297, 32831), (315, 32873), (322, 32897), (343, 32972), (345, 33002), (363, 33062), (368, 33074), (372, 33092), (394, 33194), (429, 33299), (432, 33305), (435, 33323), (457, 33410),

Gene: Chaelin_33 Start: 32066, Stop: 33226, Start Num: 62

Candidate Starts for Chaelin_33:

(Start: 62 @32066 has 296 MA's), (Start: 105 @32177 has 1 MA's), (122, 32222), (163, 32321), (182, 32381), (193, 32417), (205, 32441), (223, 32486), (225, 32492), (241, 32543), (257, 32582), (259, 32585), (267, 32597), (296, 32636), (319, 32669), (341, 32750), (348, 32795), (363, 32843), (374, 32879), (377, 32888), (379, 32894), (443, 33119),

Gene: Chah_34 Start: 32386, Stop: 33546, Start Num: 62

Candidate Starts for Chah_34:

(Start: 62 @32386 has 296 MA's), (Start: 105 @32497 has 1 MA's), (122, 32542), (163, 32641), (182, 32701), (193, 32737), (205, 32761), (223, 32806), (225, 32812), (241, 32863), (257, 32902), (259, 32905), (267, 32917), (296, 32956), (319, 32989), (341, 33070), (348, 33115), (363, 33163), (374, 33199), (377, 33208), (379, 33214), (443, 33439),

Gene: Chalmers_33 Start: 33026, Stop: 34228, Start Num: 65

Candidate Starts for Chalmers_33:

(Start: 65 @33026 has 73 MA's), (73, 33059), (131, 33203), (134, 33212), (138, 33221), (157, 33260), (161, 33269), (166, 33287), (170, 33305), (177, 33323), (179, 33329), (183, 33341), (189, 33359), (193, 33374), (210, 33407), (220, 33434), (233, 33479), (270, 33560), (283, 33587), (290, 33605), (297, 33623), (315, 33665), (322, 33689), (343, 33764), (345, 33794), (363, 33854), (368, 33866), (372, 33884), (394, 33986), (429, 34091), (432, 34097), (435, 34115), (457, 34202),

Gene: Chancellor_29 Start: 24596, Stop: 25600, Start Num: 116

Candidate Starts for Chancellor_29:

(Start: 116 @24596 has 61 MA's), (183, 24764), (197, 24809), (199, 24815), (220, 24869), (223, 24878), (249, 24959), (262, 24980), (267, 24986), (269, 24989), (341, 25121), (342, 25124), (372, 25247),

Gene: Chandler_33 Start: 33002, Stop: 34204, Start Num: 65

Candidate Starts for Chandler_33:

(Start: 65 @33002 has 73 MA's), (73, 33035), (131, 33179), (134, 33188), (138, 33197), (157, 33236), (161, 33245), (166, 33263), (170, 33281), (177, 33299), (179, 33305), (183, 33317), (189, 33335), (193, 33350), (210, 33383), (220, 33410), (233, 33455), (270, 33536), (283, 33563), (290, 33581), (297, 33599), (315, 33641), (322, 33665), (343, 33740), (345, 33770), (363, 33830), (368, 33842), (372, 33860), (394, 33962), (429, 34067), (432, 34073), (435, 34091), (457, 34178),

Gene: Charles1_33 Start: 32354, Stop: 33514, Start Num: 62

Candidate Starts for Charles1_33:

(Start: 62 @32354 has 296 MA's), (Start: 105 @32465 has 1 MA's), (122, 32510), (163, 32609), (182, 32669), (193, 32705), (205, 32729), (223, 32774), (225, 32780), (241, 32831), (257, 32870), (259, 32873), (267, 32885), (280, 32900), (296, 32924), (319, 32957), (341, 33038), (348, 33083), (363, 33131), (374, 33167), (377, 33176), (379, 33182), (443, 33407),

Gene: CharlieGBrown_32 Start: 31944, Stop: 33104, Start Num: 62

Candidate Starts for CharlieGBrown_32:

(Start: 62 @31944 has 296 MA's), (Start: 105 @32055 has 1 MA's), (122, 32100), (163, 32199), (182, 32259), (193, 32295), (205, 32319), (223, 32364), (225, 32370), (241, 32421), (257, 32460), (259, 32463), (267, 32475), (280, 32490), (296, 32514), (319, 32547), (341, 32628), (348, 32673), (363, 32721), (374, 32757), (377, 32766), (379, 32772), (443, 32997),

Gene: Chavito_28 Start: 22750, Stop: 24003, Start Num: 46

Candidate Starts for Chavito_28:

(46, 22750), (49, 22756), (73, 22858), (98, 22921), (Start: 105 @22939 has 1 MA's), (Start: 162 @23074 has 3 MA's), (166, 23089), (177, 23125), (195, 23182), (197, 23188), (245, 23323), (252, 23341), (291, 23389), (317, 23407), (343, 23503), (361, 23584), (364, 23593), (376, 23632), (377, 23635), (430, 23833), (455, 23968),

Gene: CheetO_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for CheetO_33:

(Start: 62 @32368 has 296 MA's), (Start: 105 @32479 has 1 MA's), (122, 32524), (163, 32623), (182, 32683), (193, 32719), (205, 32743), (223, 32788), (225, 32794), (241, 32845), (257, 32884), (259, 32887), (267, 32899), (280, 32914), (296, 32938), (319, 32971), (341, 33052), (348, 33097), (363, 33145), (374, 33181), (377, 33190), (379, 33196), (443, 33421),

Gene: CheetoDust_28 Start: 23333, Stop: 24346, Start Num: 114

Candidate Starts for CheetoDust_28:

(15, 22889), (90, 23288), (Start: 114 @23333 has 91 MA's), (168, 23465), (199, 23558), (240, 23675), (259, 23717), (269, 23729), (319, 23783), (341, 23861), (363, 23957), (376, 23999), (379, 24008), (409, 24122), (429, 24191),

Gene: Cheetobro_29 Start: 24593, Stop: 25597, Start Num: 116

Candidate Starts for Cheetobro_29:

(Start: 116 @24593 has 61 MA's), (183, 24761), (197, 24806), (199, 24812), (220, 24866), (223, 24875), (249, 24956), (262, 24977), (267, 24983), (269, 24986), (341, 25118), (342, 25121), (372, 25244),

Gene: Chentzyk_32 Start: 32092, Stop: 33294, Start Num: 65

Candidate Starts for Chentzyk_32:

(Start: 65 @32092 has 73 MA's), (73, 32125), (131, 32269), (134, 32278), (138, 32287), (157, 32326), (161, 32335), (166, 32353), (170, 32371), (177, 32389), (179, 32395), (183, 32407), (189, 32425), (193, 32440), (210, 32473), (220, 32500), (233, 32545), (270, 32626), (283, 32653), (290, 32671), (297, 32689), (315, 32731), (322, 32755), (343, 32830), (345, 32860), (363, 32920), (368, 32932), (372, 32950), (394, 33052), (429, 33157), (432, 33163), (435, 33181), (457, 33268),

Gene: Cher_32 Start: 32091, Stop: 33251, Start Num: 62

Candidate Starts for Cher_32:

(Start: 62 @32091 has 296 MA's), (Start: 105 @32202 has 1 MA's), (122, 32247), (163, 32346), (182, 32406), (193, 32442), (205, 32466), (223, 32511), (225, 32517), (241, 32568), (257, 32607), (259, 32610), (267, 32622), (280, 32637), (296, 32661), (319, 32694), (341, 32775), (348, 32820), (363, 32868), (374, 32904), (377, 32913), (379, 32919), (443, 33144),

Gene: Childish_32 Start: 32094, Stop: 33254, Start Num: 62

Candidate Starts for Childish_32:

(Start: 62 @32094 has 296 MA's), (Start: 105 @32205 has 1 MA's), (122, 32250), (163, 32349), (182, 32409), (193, 32445), (205, 32469), (223, 32514), (225, 32520), (241, 32571), (257, 32610), (259, 32613), (267, 32625), (280, 32640), (296, 32664), (319, 32697), (341, 32778), (348, 32823), (363,

32871), (374, 32907), (377, 32916), (379, 32922), (443, 33147),

Gene: Chipette_34 Start: 32584, Stop: 33744, Start Num: 62

Candidate Starts for Chipette_34:

(Start: 62 @32584 has 296 MA's), (Start: 105 @32695 has 1 MA's), (122, 32740), (163, 32839), (182, 32899), (193, 32935), (205, 32959), (223, 33004), (225, 33010), (241, 33061), (257, 33100), (259, 33103), (267, 33115), (280, 33130), (296, 33154), (319, 33187), (341, 33268), (348, 33313), (363, 33361), (374, 33397), (377, 33406), (379, 33412), (443, 33637),

Gene: Chorkpop_33 Start: 32090, Stop: 33250, Start Num: 62

Candidate Starts for Chorkpop_33:

(Start: 62 @32090 has 296 MA's), (Start: 105 @32201 has 1 MA's), (122, 32246), (163, 32345), (182, 32405), (193, 32441), (205, 32465), (223, 32510), (225, 32516), (241, 32567), (257, 32606), (259, 32609), (267, 32621), (296, 32660), (319, 32693), (341, 32774), (348, 32819), (363, 32867), (374, 32903), (377, 32912), (379, 32918), (443, 33143),

Gene: Chris_27 Start: 22610, Stop: 23596, Start Num: 116

Candidate Starts for Chris_27:

(Start: 116 @22610 has 61 MA's), (161, 22715), (182, 22778), (189, 22799), (199, 22832), (204, 22847), (227, 22907), (265, 23000), (298, 23039), (342, 23138), (357, 23189), (372, 23261), (379, 23282), (405, 23363), (437, 23465),

Gene: ChrisnMich_29 Start: 31570, Stop: 32727, Start Num: 66

Candidate Starts for ChrisnMich_29:

(Start: 66 @31570 has 25 MA's), (99, 31663), (Start: 105 @31678 has 1 MA's), (111, 31693), (117, 31705), (122, 31723), (161, 31813), (176, 31864), (179, 31873), (181, 31879), (185, 31891), (193, 31918), (206, 31933), (210, 31939), (212, 31945), (226, 31978), (228, 31987), (239, 32020), (264, 32053), (302, 32143), (315, 32149), (342, 32248), (343, 32251), (379, 32395), (420, 32548),

Gene: Chunky_33 Start: 32488, Stop: 33537, Start Num: 105

Candidate Starts for Chunky_33:

(Start: 62 @32377 has 296 MA's), (Start: 105 @32488 has 1 MA's), (122, 32533), (163, 32632), (182, 32692), (193, 32728), (205, 32752), (223, 32797), (225, 32803), (241, 32854), (257, 32893), (259, 32896), (267, 32908), (280, 32923), (296, 32947), (319, 32980), (341, 33061), (348, 33106), (363, 33154), (374, 33190), (377, 33199), (379, 33205), (443, 33430),

Gene: Chute_32 Start: 32415, Stop: 33575, Start Num: 62

Candidate Starts for Chute_32:

(Start: 62 @32415 has 296 MA's), (Start: 105 @32526 has 1 MA's), (122, 32571), (163, 32670), (182, 32730), (193, 32766), (205, 32790), (223, 32835), (225, 32841), (241, 32892), (257, 32931), (259, 32934), (267, 32946), (296, 32985), (319, 33018), (341, 33099), (348, 33144), (363, 33192), (374, 33228), (377, 33237), (379, 33243), (443, 33468),

Gene: CicholasNage_21 Start: 21687, Stop: 22862, Start Num: 64

Candidate Starts for CicholasNage_21:

(Start: 64 @21687 has 5 MA's), (Start: 65 @21690 has 73 MA's), (Start: 113 @21816 has 1 MA's), (128, 21858), (133, 21870), (134, 21873), (151, 21906), (156, 21918), (170, 21966), (177, 21984), (189, 22020), (193, 22035), (218, 22086), (227, 22116), (240, 22158), (250, 22182), (292, 22218), (294, 22224), (309, 22251), (315, 22269), (343, 22362), (344, 22365), (361, 22449), (398, 22587), (407, 22605), (431, 22689),

Gene: Clautastrophe_22 Start: 22247, Stop: 23464, Start Num: 65

Candidate Starts for Clautastrophe_22:

(Start: 65 @22247 has 73 MA's), (103, 22349), (110, 22361), (117, 22379), (121, 22388), (133, 22427), (151, 22463), (157, 22478), (160, 22484), (167, 22514), (168, 22517), (181, 22553), (185, 22565), (204, 22616), (206, 22619), (228, 22679), (236, 22706), (242, 22721), (245, 22727), (249, 22739), (276, 22799), (288, 22823), (315, 22883), (342, 22979), (345, 23012), (369, 23084), (374, 23108), (437, 23336), (440, 23348),

Gene: Clifton_19 Start: 20217, Stop: 21371, Start Num: 88

Candidate Starts for Clifton_19:

(Start: 83 @20214 has 3 MA's), (Start: 88 @20217 has 25 MA's), (120, 20298), (Start: 135 @20346 has 1 MA's), (Start: 162 @20406 has 3 MA's), (164, 20415), (167, 20430), (176, 20454), (184, 20478), (188, 20490), (215, 20565), (219, 20574), (226, 20598), (233, 20628), (285, 20712), (287, 20715), (295, 20736), (341, 20895), (360, 20985), (363, 20994), (372, 21024), (379, 21045), (458, 21348),

Gene: Clipper_30 Start: 23444, Stop: 24346, Start Num: 162

Candidate Starts for Clipper_30:

(15, 22889), (90, 23288), (Start: 114 @23333 has 91 MA's), (Start: 162 @23444 has 3 MA's), (199, 23558), (240, 23675), (259, 23717), (269, 23729), (319, 23783), (341, 23861), (359, 23945), (363, 23957), (368, 23969), (376, 23999), (379, 24008), (409, 24122), (429, 24191),

Gene: Cobra_33 Start: 32375, Stop: 33535, Start Num: 62

Candidate Starts for Cobra_33:

(Start: 62 @32375 has 296 MA's), (Start: 105 @32486 has 1 MA's), (122, 32531), (163, 32630), (182, 32690), (193, 32726), (205, 32750), (223, 32795), (225, 32801), (241, 32852), (257, 32891), (259, 32894), (267, 32906), (280, 32921), (296, 32945), (319, 32978), (341, 33059), (348, 33104), (363, 33152), (374, 33188), (377, 33197), (379, 33203), (443, 33428),

Gene: Coffee_33 Start: 32800, Stop: 33963, Start Num: 62

Candidate Starts for Coffee_33:

(35, 32653), (Start: 60 @32794 has 11 MA's), (Start: 62 @32800 has 296 MA's), (73, 32839), (85, 32869), (Start: 105 @32914 has 1 MA's), (122, 32959), (163, 33058), (182, 33118), (193, 33154), (205, 33178), (223, 33223), (225, 33229), (241, 33280), (257, 33319), (259, 33322), (267, 33334), (280, 33349), (296, 33373), (319, 33406), (341, 33487), (363, 33580), (374, 33616), (377, 33625), (379, 33631), (443, 33856),

Gene: Colbert_33 Start: 32430, Stop: 33590, Start Num: 62

Candidate Starts for Colbert_33:

(Start: 62 @32430 has 296 MA's), (Start: 105 @32541 has 1 MA's), (122, 32586), (163, 32685), (182, 32745), (193, 32781), (205, 32805), (223, 32850), (225, 32856), (241, 32907), (257, 32946), (259, 32949), (267, 32961), (296, 33000), (319, 33033), (341, 33114), (348, 33159), (363, 33207), (374, 33243), (377, 33252), (379, 33258), (443, 33483),

Gene: Coletti_32 Start: 32415, Stop: 33575, Start Num: 62

Candidate Starts for Coletti_32:

(Start: 62 @32415 has 296 MA's), (Start: 105 @32526 has 1 MA's), (122, 32571), (163, 32670), (182, 32730), (193, 32766), (205, 32790), (223, 32835), (225, 32841), (241, 32892), (257, 32931), (259, 32934), (267, 32946), (296, 32985), (319, 33018), (341, 33099), (348, 33144), (363, 33192), (374, 33228), (377, 33237), (379, 33243), (443, 33468),

Gene: Compostia_34 Start: 32649, Stop: 33851, Start Num: 65

Candidate Starts for Compostia_34:

(Start: 65 @32649 has 73 MA's), (131, 32826), (134, 32835), (138, 32844), (157, 32883), (161, 32892), (166, 32910), (170, 32928), (177, 32946), (179, 32952), (183, 32964), (189, 32982), (193, 32997), (210, 33030), (220, 33057), (233, 33102), (270, 33183), (283, 33210), (290, 33228), (297, 33246),

(315, 33288), (345, 33417), (372, 33507), (394, 33609), (419, 33675), (429, 33714), (445, 33786), (458, 33828),

Gene: Cooper_30 Start: 31786, Stop: 32946, Start Num: 66

Candidate Starts for Cooper_30:

(Start: 66 @31786 has 25 MA's), (Start: 105 @31894 has 1 MA's), (111, 31909), (117, 31921), (121, 31930), (122, 31939), (131, 31963), (139, 31981), (176, 32080), (179, 32089), (181, 32095), (185, 32107), (193, 32134), (206, 32149), (210, 32155), (212, 32161), (214, 32164), (221, 32182), (226, 32197), (239, 32239), (264, 32272), (283, 32308), (292, 32332), (302, 32362), (315, 32368), (335, 32434), (342, 32467), (343, 32470), (379, 32614), (429, 32803),

Gene: Cornbread_33 Start: 32091, Stop: 33251, Start Num: 62

Candidate Starts for Cornbread_33:

(Start: 62 @32091 has 296 MA's), (Start: 105 @32202 has 1 MA's), (122, 32247), (163, 32346), (182, 32406), (193, 32442), (205, 32466), (223, 32511), (225, 32517), (241, 32568), (257, 32607), (259, 32610), (267, 32622), (280, 32637), (296, 32661), (319, 32694), (341, 32775), (348, 32820), (363, 32868), (374, 32904), (377, 32913), (379, 32919), (443, 33144),

Gene: Cornobble_32 Start: 31929, Stop: 33089, Start Num: 62

Candidate Starts for Cornobble_32:

(Start: 62 @31929 has 296 MA's), (Start: 105 @32040 has 1 MA's), (122, 32085), (182, 32244), (193, 32280), (205, 32304), (223, 32349), (225, 32355), (241, 32406), (257, 32445), (259, 32448), (267, 32460), (296, 32499), (319, 32532), (341, 32613), (348, 32658), (363, 32706), (374, 32742), (377, 32751), (379, 32757), (443, 32982),

Gene: Cosmolli16_32 Start: 32088, Stop: 33239, Start Num: 62

Candidate Starts for Cosmolli16_32:

(Start: 62 @32088 has 296 MA's), (Start: 105 @32199 has 1 MA's), (122, 32244), (163, 32343), (182, 32403), (193, 32439), (205, 32463), (223, 32508), (225, 32514), (241, 32565), (251, 32589), (257, 32604), (259, 32607), (267, 32619), (280, 32634), (296, 32658), (319, 32691), (341, 32772), (348, 32817), (363, 32865), (374, 32901), (377, 32910), (379, 32916), (443, 33141),

Gene: Craff_33 Start: 32372, Stop: 33532, Start Num: 62

Candidate Starts for Craff_33:

(Start: 62 @32372 has 296 MA's), (Start: 105 @32483 has 1 MA's), (122, 32528), (163, 32627), (182, 32687), (193, 32723), (205, 32747), (223, 32792), (225, 32798), (241, 32849), (257, 32888), (259, 32891), (267, 32903), (280, 32918), (296, 32942), (319, 32975), (341, 33056), (348, 33101), (363, 33149), (374, 33185), (377, 33194), (379, 33200), (443, 33425),

Gene: CrimD_28 Start: 23294, Stop: 24307, Start Num: 114

Candidate Starts for CrimD_28:

(Start: 114 @23294 has 91 MA's), (Start: 162 @23405 has 3 MA's), (199, 23519), (240, 23636), (259, 23678), (269, 23690), (319, 23744), (341, 23822), (359, 23906), (363, 23918), (368, 23930), (379, 23969), (452, 24248),

Gene: Crownjwl_33 Start: 32145, Stop: 33305, Start Num: 62

Candidate Starts for Crownjwl_33:

(Start: 62 @32145 has 296 MA's), (Start: 105 @32256 has 1 MA's), (122, 32301), (163, 32400), (182, 32460), (193, 32496), (205, 32520), (223, 32565), (225, 32571), (241, 32622), (257, 32661), (259, 32664), (267, 32676), (280, 32691), (296, 32715), (319, 32748), (341, 32829), (348, 32874), (363, 32922), (374, 32958), (377, 32967), (379, 32973), (443, 33198),

Gene: Crumble_19 Start: 20264, Stop: 21418, Start Num: 88

Candidate Starts for Crumble_19:

(Start: 83 @20261 has 3 MA's), (Start: 88 @20264 has 25 MA's), (120, 20345), (Start: 135 @20393 has 1 MA's), (Start: 162 @20453 has 3 MA's), (164, 20462), (167, 20477), (176, 20501), (184, 20525), (188, 20537), (215, 20612), (219, 20621), (226, 20645), (233, 20675), (285, 20759), (287, 20762), (295, 20783), (341, 20942), (360, 21032), (363, 21041), (372, 21071), (379, 21092), (458, 21395),

Gene: D12_25 Start: 29948, Stop: 31156, Start Num: 60

Candidate Starts for D12_25:

(Start: 58 @29942 has 2 MA's), (Start: 60 @29948 has 11 MA's), (72, 29987), (Start: 105 @30062 has 1 MA's), (108, 30065), (121, 30098), (124, 30119), (131, 30131), (133, 30137), (138, 30149), (157, 30188), (158, 30191), (182, 30266), (189, 30287), (220, 30362), (233, 30407), (245, 30437), (267, 30482), (272, 30491), (274, 30497), (279, 30503), (288, 30527), (304, 30572), (315, 30593), (322, 30617), (343, 30692), (345, 30722), (363, 30782), (368, 30794), (372, 30812), (393, 30911), (394, 30914), (429, 31019), (432, 31025), (445, 31091), (447, 31094), (457, 31130),

Gene: DaddyDaniels_33 Start: 32063, Stop: 33223, Start Num: 62

Candidate Starts for DaddyDaniels_33:

(Start: 62 @32063 has 296 MA's), (Start: 105 @32174 has 1 MA's), (122, 32219), (163, 32318), (182, 32378), (193, 32414), (205, 32438), (223, 32483), (225, 32489), (241, 32540), (257, 32579), (259, 32582), (267, 32594), (280, 32609), (296, 32633), (319, 32666), (341, 32747), (363, 32840), (374, 32876), (377, 32885), (379, 32891), (443, 33116),

Gene: Daffy_33 Start: 32094, Stop: 33254, Start Num: 62

Candidate Starts for Daffy_33:

(Start: 62 @32094 has 296 MA's), (Start: 105 @32205 has 1 MA's), (122, 32250), (163, 32349), (182, 32409), (193, 32445), (205, 32469), (223, 32514), (225, 32520), (241, 32571), (257, 32610), (259, 32613), (267, 32625), (296, 32664), (319, 32697), (341, 32778), (348, 32823), (363, 32871), (374, 32907), (377, 32916), (379, 32922), (443, 33147),

Gene: Daisy_33 Start: 32246, Stop: 33448, Start Num: 65

Candidate Starts for Daisy_33:

(Start: 65 @32246 has 73 MA's), (73, 32279), (131, 32423), (134, 32432), (138, 32441), (157, 32480), (161, 32489), (166, 32507), (170, 32525), (177, 32543), (179, 32549), (183, 32561), (189, 32579), (193, 32594), (210, 32627), (220, 32654), (233, 32699), (270, 32780), (283, 32807), (290, 32825), (297, 32843), (315, 32885), (322, 32909), (343, 32984), (345, 33014), (363, 33074), (368, 33086), (372, 33104), (394, 33206), (429, 33311), (432, 33317), (435, 33335), (457, 33422),

Gene: Daka_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for Daka_33:

(Start: 62 @32368 has 296 MA's), (Start: 105 @32479 has 1 MA's), (122, 32524), (182, 32683), (193, 32719), (205, 32743), (223, 32788), (225, 32794), (241, 32845), (257, 32884), (259, 32887), (267, 32899), (296, 32938), (319, 32971), (341, 33052), (348, 33097), (363, 33145), (374, 33181), (377, 33190), (379, 33196), (443, 33421),

Gene: Dalilpop_49 Start: 37250, Stop: 38311, Start Num: 104

Candidate Starts for Dalilpop_49:

(Start: 104 @37250 has 2 MA's), (146, 37358), (166, 37409), (174, 37436), (189, 37481), (212, 37544), (239, 37628), (246, 37649), (249, 37655), (267, 37682), (269, 37685), (358, 37910), (458, 38285),

Gene: Dalmuri_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Dalmuri_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145),

(429, 24214),

Gene: DarthP_27 Start: 23700, Stop: 24704, Start Num: 114

Candidate Starts for DarthP_27:

(Start: 114 @23700 has 91 MA's), (240, 24042), (329, 24174), (336, 24201), (361, 24315), (404, 24468), (429, 24561), (433, 24564), (444, 24627), (448, 24639),

Gene: Dartin_28 Start: 22728, Stop: 23693, Start Num: 114

Candidate Starts for Dartin_28:

(Start: 114 @22728 has 91 MA's), (118, 22734), (177, 22887), (183, 22905), (189, 22923), (199, 22956), (217, 22998), (234, 23058), (240, 23073), (341, 23259), (342, 23262), (358, 23334), (379, 23403), (391, 23451), (400, 23466), (411, 23499), (425, 23538), (452, 23637),

Gene: Dati_33 Start: 32088, Stop: 33248, Start Num: 62

Candidate Starts for Dati_33:

(Start: 62 @32088 has 296 MA's), (Start: 105 @32199 has 1 MA's), (122, 32244), (163, 32343), (182, 32403), (193, 32439), (205, 32463), (223, 32508), (225, 32514), (241, 32565), (257, 32604), (259, 32607), (267, 32619), (296, 32658), (319, 32691), (341, 32772), (363, 32865), (374, 32901), (377, 32910), (379, 32916), (443, 33141),

Gene: Deby_28 Start: 23290, Stop: 24303, Start Num: 114

Candidate Starts for Deby_28:

(Start: 114 @23290 has 91 MA's), (Start: 162 @23401 has 3 MA's), (199, 23515), (240, 23632), (269, 23686), (319, 23740), (341, 23818), (363, 23914), (368, 23926), (376, 23956), (379, 23965), (409, 24079), (429, 24148),

Gene: Deenasa_33 Start: 32985, Stop: 34187, Start Num: 65

Candidate Starts for Deenasa_33:

(Start: 65 @32985 has 73 MA's), (73, 33018), (131, 33162), (134, 33171), (138, 33180), (157, 33219), (161, 33228), (166, 33246), (170, 33264), (177, 33282), (179, 33288), (183, 33300), (189, 33318), (193, 33333), (210, 33366), (220, 33393), (233, 33438), (270, 33519), (283, 33546), (290, 33564), (297, 33582), (315, 33624), (322, 33648), (343, 33723), (345, 33753), (363, 33813), (368, 33825), (372, 33843), (394, 33945), (429, 34050), (432, 34056), (435, 34074), (457, 34161),

Gene: DelRivs_32 Start: 32089, Stop: 33249, Start Num: 62

Candidate Starts for DelRivs_32:

(Start: 62 @32089 has 296 MA's), (Start: 105 @32200 has 1 MA's), (122, 32245), (163, 32344), (182, 32404), (193, 32440), (205, 32464), (223, 32509), (225, 32515), (241, 32566), (257, 32605), (259, 32608), (267, 32620), (296, 32659), (319, 32692), (341, 32773), (348, 32818), (363, 32866), (374, 32902), (377, 32911), (379, 32917), (443, 33142),

Gene: Derpp_32 Start: 31933, Stop: 33093, Start Num: 62

Candidate Starts for Derpp_32:

(Start: 62 @31933 has 296 MA's), (Start: 105 @32044 has 1 MA's), (122, 32089), (163, 32188), (182, 32248), (193, 32284), (205, 32308), (223, 32353), (225, 32359), (241, 32410), (257, 32449), (259, 32452), (267, 32464), (280, 32479), (296, 32503), (319, 32536), (341, 32617), (348, 32662), (363, 32710), (374, 32746), (377, 32755), (379, 32761), (443, 32986),

Gene: Devera_28 Start: 23337, Stop: 24350, Start Num: 114

Candidate Starts for Devera_28:

(Start: 114 @23337 has 91 MA's), (Start: 162 @23448 has 3 MA's), (165, 23457), (199, 23562), (232, 23658), (240, 23679), (259, 23721), (269, 23733), (319, 23787), (341, 23865), (363, 23961), (368, 23973), (379, 24012), (409, 24126), (429, 24195), (452, 24291),

Gene: Devonte_33 Start: 32210, Stop: 33412, Start Num: 65

Candidate Starts for Devonte_33:

(Start: 65 @32210 has 73 MA's), (73, 32243), (131, 32387), (134, 32396), (138, 32405), (157, 32444), (161, 32453), (166, 32471), (170, 32489), (177, 32507), (179, 32513), (183, 32525), (189, 32543), (193, 32558), (210, 32591), (220, 32618), (233, 32663), (270, 32744), (283, 32771), (290, 32789), (297, 32807), (315, 32849), (322, 32873), (343, 32948), (345, 32978), (363, 33038), (368, 33050), (372, 33068), (394, 33170), (429, 33275), (432, 33281), (435, 33299), (457, 33386),

Gene: Dice_32 Start: 32068, Stop: 33228, Start Num: 62

Candidate Starts for Dice_32:

(Start: 62 @32068 has 296 MA's), (Start: 105 @32179 has 1 MA's), (122, 32224), (163, 32323), (182, 32383), (193, 32419), (205, 32443), (223, 32488), (225, 32494), (241, 32545), (257, 32584), (259, 32587), (267, 32599), (280, 32614), (296, 32638), (319, 32671), (341, 32752), (348, 32797), (363, 32845), (374, 32881), (377, 32890), (379, 32896), (443, 33121),

Gene: DigitDog_32 Start: 32179, Stop: 33684, Start Num: 19

Candidate Starts for DigitDog_32:

(Start: 19 @32179 has 9 MA's), (25, 32218), (37, 32290), (38, 32317), (44, 32368), (48, 32383), (132, 32635), (143, 32665), (151, 32683), (Start: 162 @32710 has 3 MA's), (168, 32737), (202, 32839), (215, 32878), (220, 32893), (245, 32968), (267, 33013), (270, 33019), (274, 33028), (315, 33124), (335, 33190), (343, 33226), (393, 33439), (432, 33550), (461, 33670),

Gene: Dingo_33 Start: 32351, Stop: 33511, Start Num: 62

Candidate Starts for Dingo_33:

(Start: 62 @32351 has 296 MA's), (Start: 105 @32462 has 1 MA's), (122, 32507), (163, 32606), (182, 32666), (193, 32702), (205, 32726), (223, 32771), (225, 32777), (241, 32828), (257, 32867), (259, 32870), (267, 32882), (280, 32897), (296, 32921), (319, 32954), (341, 33035), (348, 33080), (363, 33128), (374, 33164), (377, 33173), (379, 33179), (443, 33404),

Gene: Dione_32 Start: 32073, Stop: 33233, Start Num: 62

Candidate Starts for Dione_32:

(Start: 62 @32073 has 296 MA's), (Start: 105 @32184 has 1 MA's), (122, 32229), (163, 32328), (182, 32388), (193, 32424), (205, 32448), (223, 32493), (225, 32499), (241, 32550), (257, 32589), (259, 32592), (267, 32604), (280, 32619), (296, 32643), (319, 32676), (341, 32757), (348, 32802), (363, 32850), (374, 32886), (377, 32895), (379, 32901), (443, 33126),

Gene: DirkDirk_21 Start: 21671, Stop: 22843, Start Num: 65

Candidate Starts for DirkDirk_21:

(Start: 64 @21668 has 5 MA's), (Start: 65 @21671 has 73 MA's), (Start: 113 @21797 has 1 MA's), (128, 21839), (133, 21851), (134, 21854), (151, 21887), (156, 21899), (170, 21947), (177, 21965), (189, 22001), (193, 22016), (218, 22067), (227, 22097), (240, 22139), (250, 22163), (292, 22199), (294, 22205), (309, 22232), (315, 22250), (343, 22343), (344, 22346), (361, 22430), (398, 22568), (407, 22586), (431, 22670),

Gene: DirtJuice_33 Start: 32357, Stop: 33517, Start Num: 62

Candidate Starts for DirtJuice_33:

(Start: 62 @32357 has 296 MA's), (Start: 105 @32468 has 1 MA's), (122, 32513), (163, 32612), (182, 32672), (193, 32708), (205, 32732), (223, 32777), (225, 32783), (241, 32834), (257, 32873), (259, 32876), (267, 32888), (280, 32903), (296, 32927), (319, 32960), (341, 33041), (348, 33086), (363, 33134), (374, 33170), (377, 33179), (379, 33185), (443, 33410),

Gene: DismalFunk_25 Start: 21282, Stop: 22277, Start Num: 116

Candidate Starts for DismalFunk_25:

(28, 20961), (45, 21099), (69, 21198), (Start: 116 @21282 has 61 MA's), (149, 21363), (160, 21387), (180, 21447), (197, 21501), (199, 21507), (234, 21609), (235, 21612), (256, 21660), (259, 21666), (293, 21708), (319, 21732), (343, 21816), (361, 21900), (379, 21957), (456, 22254),

Gene: DismalStressor_25 Start: 21282, Stop: 22277, Start Num: 116

Candidate Starts for DismalStressor_25:

(45, 21099), (69, 21198), (Start: 116 @21282 has 61 MA's), (149, 21363), (160, 21387), (180, 21447), (197, 21501), (199, 21507), (234, 21609), (235, 21612), (256, 21660), (259, 21666), (293, 21708), (319, 21732), (343, 21816), (361, 21900), (379, 21957), (456, 22254),

Gene: Doddsville_33 Start: 32087, Stop: 33247, Start Num: 62

Candidate Starts for Doddsville_33:

(Start: 62 @32087 has 296 MA's), (Start: 105 @32198 has 1 MA's), (122, 32243), (163, 32342), (182, 32402), (193, 32438), (205, 32462), (223, 32507), (225, 32513), (241, 32564), (257, 32603), (259, 32606), (267, 32618), (296, 32657), (319, 32690), (341, 32771), (363, 32864), (374, 32900), (377, 32909), (379, 32915), (443, 33140),

Gene: DoesntMatter_33 Start: 32360, Stop: 33520, Start Num: 62

Candidate Starts for DoesntMatter_33:

(Start: 62 @32360 has 296 MA's), (Start: 105 @32471 has 1 MA's), (122, 32516), (163, 32615), (182, 32675), (193, 32711), (205, 32735), (223, 32780), (225, 32786), (241, 32837), (257, 32876), (259, 32879), (267, 32891), (296, 32930), (319, 32963), (341, 33044), (348, 33089), (363, 33137), (374, 33173), (377, 33182), (379, 33188), (443, 33413),

Gene: Dole_28 Start: 23339, Stop: 24352, Start Num: 114

Candidate Starts for Dole_28:

(Start: 114 @23339 has 91 MA's), (Start: 162 @23450 has 3 MA's), (165, 23459), (199, 23564), (232, 23660), (240, 23681), (259, 23723), (269, 23735), (319, 23789), (341, 23867), (363, 23963), (368, 23975), (379, 24014), (409, 24128), (429, 24197), (452, 24293),

Gene: DonSanchon_32 Start: 32067, Stop: 33227, Start Num: 62

Candidate Starts for DonSanchon_32:

(Start: 62 @32067 has 296 MA's), (Start: 105 @32178 has 1 MA's), (122, 32223), (163, 32322), (182, 32382), (193, 32418), (205, 32442), (223, 32487), (225, 32493), (241, 32544), (257, 32583), (259, 32586), (267, 32598), (296, 32637), (319, 32670), (341, 32751), (348, 32796), (363, 32844), (374, 32880), (377, 32889), (379, 32895), (443, 33120),

Gene: Donny_32 Start: 32591, Stop: 34096, Start Num: 19

Candidate Starts for Donny_32:

(Start: 19 @32591 has 9 MA's), (22, 32609), (25, 32630), (31, 32684), (42, 32762), (44, 32780), (48, 32795), (52, 32807), (131, 33044), (151, 33095), (Start: 162 @33122 has 3 MA's), (168, 33149), (197, 33236), (202, 33251), (215, 33290), (245, 33380), (274, 33440), (323, 33563), (335, 33602), (343, 33638), (432, 33962), (461, 34082),

Gene: Dori_29 Start: 28828, Stop: 29994, Start Num: 60

Candidate Starts for Dori_29:

(Start: 60 @28828 has 11 MA's), (Start: 62 @28834 has 296 MA's), (67, 28846), (72, 28870), (73, 28873), (85, 28903), (Start: 105 @28948 has 1 MA's), (122, 28993), (123, 28996), (193, 29188), (205, 29212), (208, 29218), (221, 29251), (223, 29257), (225, 29263), (226, 29266), (241, 29314), (272, 29377), (273, 29380), (299, 29413), (335, 29488), (341, 29518), (372, 29641), (375, 29650), (377, 29656),

Gene: Doughnut_25 Start: 21302, Stop: 22327, Start Num: 116

Candidate Starts for Doughnut_25:

(69, 21218), (Start: 116 @21302 has 61 MA's), (160, 21407), (180, 21467), (197, 21521), (199, 21527), (228, 21608), (229, 21614), (234, 21629), (235, 21632), (343, 21836), (456, 22295), (458, 22304),

Gene: Douzhi_21 Start: 21427, Stop: 22581, Start Num: 65

Candidate Starts for Douzhi_21:

(Start: 65 @21427 has 73 MA's), (103, 21529), (110, 21541), (134, 21610), (170, 21703), (189, 21757), (201, 21787), (204, 21796), (221, 21835), (235, 21883), (245, 21907), (249, 21919), (288, 21943), (326, 22033), (356, 22150), (360, 22186), (363, 22195), (380, 22252), (386, 22291),

Gene: DrHayes_28 Start: 23284, Stop: 24297, Start Num: 114

Candidate Starts for DrHayes_28:

(90, 23239), (Start: 114 @23284 has 91 MA's), (Start: 162 @23395 has 3 MA's), (199, 23509), (240, 23626), (259, 23668), (269, 23680), (319, 23734), (341, 23812), (363, 23908), (368, 23920), (379, 23959), (385, 23995), (429, 24142), (452, 24238),

Gene: DrLupo_39 Start: 30258, Stop: 31286, Start Num: 115

Candidate Starts for DrLupo_39:

(Start: 115 @30258 has 2 MA's), (164, 30393), (197, 30486), (243, 30609), (333, 30771), (337, 30786), (338, 30798), (363, 30900), (375, 30939), (396, 31032), (425, 31113), (429, 31128), (457, 31266),

Gene: DuchessDung_31 Start: 31224, Stop: 32384, Start Num: 62

Candidate Starts for DuchessDung_31:

(Start: 62 @31224 has 296 MA's), (Start: 105 @31335 has 1 MA's), (122, 31380), (163, 31479), (182, 31539), (193, 31575), (205, 31599), (223, 31644), (225, 31650), (241, 31701), (257, 31740), (259, 31743), (267, 31755), (296, 31794), (319, 31827), (341, 31908), (363, 32001), (374, 32037), (377, 32046), (379, 32052), (443, 32277),

Gene: Duggie_32 Start: 32089, Stop: 33249, Start Num: 62

Candidate Starts for Duggie_32:

(Start: 62 @32089 has 296 MA's), (Start: 105 @32200 has 1 MA's), (122, 32245), (163, 32344), (182, 32404), (193, 32440), (205, 32464), (223, 32509), (225, 32515), (241, 32566), (257, 32605), (259, 32608), (267, 32620), (280, 32635), (296, 32659), (319, 32692), (341, 32773), (348, 32818), (363, 32866), (374, 32902), (377, 32911), (379, 32917), (443, 33142),

Gene: DuncansLeg_22 Start: 22232, Stop: 23449, Start Num: 65

Candidate Starts for DuncansLeg_22:

(Start: 65 @22232 has 73 MA's), (71, 22259), (103, 22334), (110, 22346), (117, 22364), (133, 22412), (151, 22448), (157, 22463), (160, 22469), (167, 22499), (168, 22502), (170, 22508), (185, 22550), (196, 22586), (204, 22601), (206, 22604), (207, 22607), (209, 22610), (245, 22712), (249, 22724), (275, 22781), (276, 22784), (288, 22808), (315, 22868), (345, 22997), (448, 23375), (450, 23381),

Gene: Durfee_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Durfee_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (Start: 162 @23467 has 3 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (368, 23992), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Durga_33 Start: 32387, Stop: 33547, Start Num: 62

Candidate Starts for Durga_33:

(Start: 62 @32387 has 296 MA's), (Start: 105 @32498 has 1 MA's), (122, 32543), (163, 32642), (182, 32702), (193, 32738), (205, 32762), (223, 32807), (225, 32813), (241, 32864), (257, 32903), (259,

32906), (267, 32918), (280, 32933), (296, 32957), (319, 32990), (341, 33071), (348, 33116), (363, 33164), (374, 33200), (377, 33209), (379, 33215), (443, 33440),

Gene: Eaglehorse_33 Start: 32724, Stop: 33887, Start Num: 62

Candidate Starts for Eaglehorse_33:

(35, 32577), (Start: 60 @32718 has 11 MA's), (Start: 62 @32724 has 296 MA's), (73, 32763), (85, 32793), (Start: 105 @32838 has 1 MA's), (122, 32883), (163, 32982), (182, 33042), (193, 33078), (205, 33102), (223, 33147), (225, 33153), (241, 33204), (257, 33243), (259, 33246), (267, 33258), (280, 33273), (296, 33297), (319, 33330), (341, 33411), (348, 33456), (363, 33504), (374, 33540), (377, 33549), (379, 33555), (443, 33780),

Gene: EastView9101_31 Start: 32241, Stop: 33746, Start Num: 19

Candidate Starts for EastView9101_31:

(Start: 19 @32241 has 9 MA's), (22, 32259), (25, 32280), (31, 32334), (42, 32412), (44, 32430), (48, 32445), (52, 32457), (131, 32694), (151, 32745), (Start: 162 @32772 has 3 MA's), (168, 32799), (197, 32886), (202, 32901), (215, 32940), (245, 33030), (274, 33090), (323, 33213), (335, 33252), (343, 33288), (432, 33612), (461, 33732),

Gene: Efra2_28 Start: 22526, Stop: 23587, Start Num: 114

Candidate Starts for Efra2_28:

(Start: 114 @22526 has 91 MA's), (Start: 162 @22640 has 3 MA's), (199, 22754), (207, 22775), (233, 22853), (236, 22862), (245, 22883), (246, 22889), (327, 22997), (341, 23057), (365, 23177), (366, 23183), (367, 23189), (383, 23279), (422, 23405), (425, 23420),

Gene: Ekdilam_25 Start: 23459, Stop: 24463, Start Num: 114

Candidate Starts for Ekdilam_25:

(Start: 114 @23459 has 91 MA's), (189, 23651), (195, 23672), (207, 23705), (220, 23738), (240, 23801), (329, 23933), (336, 23960), (361, 24074), (404, 24227), (429, 24320), (444, 24386),

Gene: Ellie_25 Start: 23458, Stop: 24465, Start Num: 114

Candidate Starts for Ellie_25:

(Start: 114 @23458 has 91 MA's), (153, 23548), (Start: 162 @23569 has 3 MA's), (189, 23650), (199, 23683), (207, 23704), (342, 23989), (350, 24028), (444, 24388), (460, 24448),

Gene: Ellson_22 Start: 22237, Stop: 23436, Start Num: 65

Candidate Starts for Ellson_22:

(Start: 65 @22237 has 73 MA's), (103, 22339), (117, 22369), (121, 22378), (133, 22417), (138, 22429), (157, 22468), (167, 22504), (170, 22513), (183, 22549), (201, 22597), (249, 22729), (252, 22735), (315, 22873), (345, 23002), (361, 23056), (369, 23074), (424, 23266), (449, 23374),

Gene: ElvisPhasley_33 Start: 32409, Stop: 33569, Start Num: 62

Candidate Starts for ElvisPhasley_33:

(Start: 62 @32409 has 296 MA's), (Start: 105 @32520 has 1 MA's), (122, 32565), (163, 32664), (182, 32724), (193, 32760), (205, 32784), (223, 32829), (225, 32835), (241, 32886), (257, 32925), (259, 32928), (267, 32940), (280, 32955), (296, 32979), (319, 33012), (341, 33093), (348, 33138), (363, 33186), (374, 33222), (377, 33231), (379, 33237), (443, 33462),

Gene: Emerson_28 Start: 23316, Stop: 24329, Start Num: 114

Candidate Starts for Emerson_28:

(15, 22872), (90, 23271), (Start: 114 @23316 has 91 MA's), (199, 23541), (240, 23658), (259, 23700), (269, 23712), (319, 23766), (341, 23844), (363, 23940), (368, 23952), (376, 23982), (379, 23991), (409, 24105), (429, 24174),

Gene: Emianna_44 Start: 35974, Stop: 37032, Start Num: 106

Candidate Starts for Emianna_44:

(1, 34534), (2, 34831), (4, 35062), (13, 35431), (51, 35809), (53, 35824), (57, 35842), (Start: 106 @35974 has 23 MA's), (229, 36319), (246, 36370), (287, 36418),

Gene: Emiris_33 Start: 32358, Stop: 33518, Start Num: 62

Candidate Starts for Emiris_33:

(Start: 62 @32358 has 296 MA's), (Start: 105 @32469 has 1 MA's), (122, 32514), (163, 32613), (182, 32673), (193, 32709), (205, 32733), (223, 32778), (225, 32784), (241, 32835), (257, 32874), (259, 32877), (267, 32889), (280, 32904), (296, 32928), (319, 32961), (341, 33042), (348, 33087), (363, 33135), (374, 33171), (377, 33180), (379, 33186), (443, 33411),

Gene: EmpTee_33 Start: 32367, Stop: 33527, Start Num: 62

Candidate Starts for EmpTee_33:

(Start: 62 @32367 has 296 MA's), (Start: 105 @32478 has 1 MA's), (122, 32523), (163, 32622), (182, 32682), (193, 32718), (205, 32742), (223, 32787), (225, 32793), (241, 32844), (257, 32883), (259, 32886), (267, 32898), (296, 32937), (319, 32970), (341, 33051), (348, 33096), (363, 33144), (374, 33180), (377, 33189), (379, 33195), (443, 33420),

Gene: Enceladus_21 Start: 21672, Stop: 22844, Start Num: 65

Candidate Starts for Enceladus_21:

(Start: 64 @21669 has 5 MA's), (Start: 65 @21672 has 73 MA's), (Start: 113 @21798 has 1 MA's), (128, 21840), (133, 21852), (134, 21855), (151, 21888), (156, 21900), (170, 21948), (177, 21966), (189, 22002), (193, 22017), (218, 22068), (227, 22098), (240, 22140), (250, 22164), (292, 22200), (294, 22206), (309, 22233), (315, 22251), (343, 22344), (344, 22347), (361, 22431), (398, 22569), (407, 22587), (431, 22671),

Gene: Enkosi_24 Start: 22900, Stop: 23907, Start Num: 116

Candidate Starts for Enkosi_24:

(89, 22849), (94, 22861), (Start: 116 @22900 has 61 MA's), (140, 22960), (170, 23032), (189, 23086), (195, 23107), (240, 23236), (262, 23281), (264, 23284), (318, 23341), (319, 23344), (334, 23389), (342, 23425), (363, 23521), (368, 23533), (402, 23653), (439, 23785),

Gene: Ennea_51 Start: 36974, Stop: 38035, Start Num: 106

Candidate Starts for Ennea_51:

(Start: 106 @36974 has 23 MA's), (175, 37160), (238, 37346), (239, 37349), (343, 37559),

Gene: Epah_29 Start: 31578, Stop: 32735, Start Num: 66

Candidate Starts for Epah_29:

(Start: 66 @31578 has 25 MA's), (99, 31671), (Start: 105 @31686 has 1 MA's), (111, 31701), (117, 31713), (122, 31731), (161, 31821), (176, 31872), (179, 31881), (181, 31887), (185, 31899), (193, 31926), (206, 31941), (210, 31947), (212, 31953), (226, 31986), (228, 31995), (239, 32028), (264, 32061), (302, 32151), (315, 32157), (342, 32256), (343, 32259), (379, 32403), (420, 32556),

Gene: Eremos_33 Start: 32366, Stop: 33526, Start Num: 62

Candidate Starts for Eremos_33:

(Start: 62 @32366 has 296 MA's), (122, 32522), (163, 32621), (182, 32681), (193, 32717), (205, 32741), (223, 32786), (225, 32792), (241, 32843), (257, 32882), (259, 32885), (267, 32897), (296, 32936), (319, 32969), (341, 33050), (348, 33095), (363, 33143), (374, 33179), (377, 33188), (379, 33194), (443, 33419),

Gene: Estes_36 Start: 28017, Stop: 29099, Start Num: 101

Candidate Starts for Estes_36:

(100, 28011), (Start: 101 @28017 has 6 MA's), (126, 28092), (145, 28137), (148, 28143), (151, 28149), (158, 28167), (171, 28212), (177, 28227), (182, 28242), (190, 28266), (196, 28287), (215, 28341), (218, 28347), (227, 28377), (313, 28521),

Gene: Etaye_33 Start: 32357, Stop: 33517, Start Num: 62

Candidate Starts for Etaye_33:

(Start: 62 @32357 has 296 MA's), (Start: 105 @32468 has 1 MA's), (122, 32513), (163, 32612), (182, 32672), (193, 32708), (205, 32732), (223, 32777), (225, 32783), (241, 32834), (257, 32873), (259, 32876), (267, 32888), (280, 32903), (296, 32927), (319, 32960), (341, 33041), (348, 33086), (363, 33134), (374, 33170), (377, 33179), (379, 33185), (443, 33410),

Gene: Eugenia_33 Start: 32376, Stop: 33536, Start Num: 62

Candidate Starts for Eugenia_33:

(Start: 62 @32376 has 296 MA's), (Start: 105 @32487 has 1 MA's), (122, 32532), (163, 32631), (182, 32691), (193, 32727), (205, 32751), (223, 32796), (225, 32802), (241, 32853), (257, 32892), (259, 32895), (267, 32907), (280, 32922), (296, 32946), (319, 32979), (341, 33060), (348, 33105), (363, 33153), (374, 33189), (377, 33198), (379, 33204), (443, 33429),

Gene: Fanaw_29 Start: 32276, Stop: 33433, Start Num: 66

Candidate Starts for Fanaw_29:

(Start: 66 @32276 has 25 MA's), (99, 32369), (Start: 105 @32384 has 1 MA's), (111, 32399), (117, 32411), (122, 32429), (139, 32471), (176, 32570), (179, 32579), (185, 32597), (193, 32624), (206, 32639), (210, 32645), (212, 32651), (215, 32657), (226, 32684), (228, 32693), (239, 32726), (264, 32759), (302, 32849), (315, 32855), (330, 32900), (342, 32954), (343, 32957), (379, 33101), (420, 33254),

Gene: Fang_33 Start: 32380, Stop: 33540, Start Num: 62

Candidate Starts for Fang_33:

(Start: 62 @32380 has 296 MA's), (Start: 105 @32491 has 1 MA's), (122, 32536), (163, 32635), (182, 32695), (193, 32731), (205, 32755), (223, 32800), (225, 32806), (241, 32857), (257, 32896), (259, 32899), (267, 32911), (280, 32926), (296, 32950), (319, 32983), (341, 33064), (348, 33109), (363, 33157), (374, 33193), (377, 33202), (379, 33208), (443, 33433),

Gene: Faze9_33 Start: 32820, Stop: 33983, Start Num: 62

Candidate Starts for Faze9_33:

(Start: 60 @32814 has 11 MA's), (Start: 62 @32820 has 296 MA's), (73, 32859), (85, 32889), (Start: 105 @32934 has 1 MA's), (122, 32979), (163, 33078), (182, 33138), (193, 33174), (205, 33198), (223, 33243), (225, 33249), (241, 33300), (257, 33339), (259, 33342), (267, 33354), (280, 33369), (296, 33393), (319, 33426), (341, 33507), (348, 33552), (363, 33600), (374, 33636), (377, 33645), (379, 33651), (443, 33876),

Gene: Fefferhead_27 Start: 23613, Stop: 24665, Start Num: 114

Candidate Starts for Fefferhead_27:

(100, 23577), (Start: 114 @23613 has 91 MA's), (153, 23703), (Start: 162 @23724 has 3 MA's), (170, 23751), (199, 23838), (207, 23859), (217, 23880), (303, 24069), (329, 24147), (342, 24204), (345, 24237), (353, 24252), (425, 24507), (429, 24522), (445, 24603), (458, 24642),

Gene: Findley_25 Start: 21282, Stop: 22307, Start Num: 116

Candidate Starts for Findley_25:

(45, 21099), (69, 21198), (Start: 116 @21282 has 61 MA's), (149, 21363), (160, 21387), (180, 21447), (197, 21501), (199, 21507), (228, 21588), (229, 21594), (234, 21609), (235, 21612), (343, 21816), (456, 22275), (458, 22284),

Gene: Finnry_22 Start: 22251, Stop: 23468, Start Num: 65

Candidate Starts for Finnry_22:

(Start: 65 @22251 has 73 MA's), (103, 22353), (110, 22365), (117, 22383), (121, 22392), (133, 22431), (151, 22467), (157, 22482), (160, 22488), (167, 22518), (168, 22521), (181, 22557), (185, 22569), (204, 22620), (206, 22623), (228, 22683), (236, 22710), (242, 22725), (245, 22731), (249, 22743), (276, 22803), (288, 22827), (315, 22887), (342, 22983), (345, 23016), (369, 23088), (374, 23112), (379, 23127), (437, 23340), (440, 23352),

Gene: Fionnbharth_29 Start: 24586, Stop: 25590, Start Num: 116

Candidate Starts for Fionnbharth_29:

(Start: 116 @24586 has 61 MA's), (142, 24655), (183, 24754), (197, 24799), (199, 24805), (220, 24859), (223, 24868), (232, 24904), (249, 24949), (262, 24970), (267, 24976), (269, 24979), (341, 25111), (342, 25114), (372, 25237), (379, 25258), (448, 25525),

Gene: Flapper_49 Start: 36682, Stop: 37743, Start Num: 104

Candidate Starts for Flapper_49:

(36, 36406), (79, 36619), (Start: 104 @36682 has 2 MA's), (146, 36790), (174, 36868), (212, 36976), (239, 37060), (246, 37081), (249, 37087), (267, 37114), (358, 37342), (378, 37408), (448, 37672), (458, 37717),

Gene: Float294_47 Start: 36416, Stop: 37477, Start Num: 106

Candidate Starts for Float294_47:

(Start: 106 @36416 has 23 MA's), (175, 36602), (238, 36788), (239, 36791), (343, 37001), (436, 37340), (448, 37406),

Gene: FluffyNinja_33 Start: 32373, Stop: 33533, Start Num: 62

Candidate Starts for FluffyNinja_33:

(Start: 62 @32373 has 296 MA's), (Start: 105 @32484 has 1 MA's), (122, 32529), (163, 32628), (182, 32688), (193, 32724), (205, 32748), (223, 32793), (225, 32799), (241, 32850), (257, 32889), (259, 32892), (267, 32904), (280, 32919), (296, 32943), (319, 32976), (341, 33057), (348, 33102), (363, 33150), (374, 33186), (377, 33195), (379, 33201), (443, 33426),

Gene: ForDig_28 Start: 30056, Stop: 31282, Start Num: 62

Candidate Starts for ForDig_28:

(Start: 62 @30056 has 296 MA's), (73, 30095), (92, 30137), (95, 30146), (96, 30149), (Start: 105 @30170 has 1 MA's), (122, 30215), (148, 30275), (157, 30296), (158, 30299), (176, 30356), (193, 30410), (194, 30413), (196, 30419), (215, 30458), (223, 30482), (240, 30536), (242, 30542), (245, 30548), (256, 30575), (260, 30584), (278, 30629), (297, 30707), (342, 30842), (347, 30878), (375, 30968), (389, 31028), (411, 31082), (429, 31136),

Gene: Fortunato_30 Start: 32604, Stop: 33761, Start Num: 66

Candidate Starts for Fortunato_30:

(Start: 66 @32604 has 25 MA's), (99, 32697), (Start: 105 @32712 has 1 MA's), (111, 32727), (117, 32739), (122, 32757), (139, 32799), (176, 32898), (179, 32907), (185, 32925), (193, 32952), (206, 32967), (210, 32973), (212, 32979), (215, 32985), (226, 33012), (228, 33021), (239, 33054), (264, 33087), (302, 33177), (315, 33183), (335, 33249), (341, 33279), (342, 33282), (379, 33429), (420, 33582),

Gene: Foxboro_45 Start: 36480, Stop: 37538, Start Num: 106

Candidate Starts for Foxboro_45:

(1, 35040), (2, 35337), (4, 35568), (13, 35937), (51, 36315), (53, 36330), (57, 36348), (Start: 106 @36480 has 23 MA's), (229, 36825), (246, 36876), (287, 36924),

Gene: Fozzie_32 Start: 32389, Stop: 33549, Start Num: 62

Candidate Starts for Fozzie_32:

(Start: 62 @32389 has 296 MA's), (Start: 105 @32500 has 1 MA's), (122, 32545), (163, 32644), (182, 32704), (193, 32740), (205, 32764), (223, 32809), (225, 32815), (241, 32866), (257, 32905), (259, 32908), (267, 32920), (280, 32935), (296, 32959), (319, 32992), (341, 33073), (348, 33118), (363, 33166), (374, 33202), (377, 33211), (379, 33217), (443, 33442),

Gene: Frankicide_33 Start: 32385, Stop: 33545, Start Num: 62

Candidate Starts for Frankicide_33:

(Start: 62 @32385 has 296 MA's), (Start: 105 @32496 has 1 MA's), (122, 32541), (163, 32640), (182, 32700), (193, 32736), (205, 32760), (223, 32805), (225, 32811), (241, 32862), (257, 32901), (259, 32904), (267, 32916), (280, 32931), (296, 32955), (319, 32988), (341, 33069), (348, 33114), (363, 33162), (374, 33198), (377, 33207), (379, 33213), (443, 33438),

Gene: Frederick_30 Start: 32610, Stop: 33767, Start Num: 66

Candidate Starts for Frederick_30:

(Start: 66 @32610 has 25 MA's), (99, 32703), (Start: 105 @32718 has 1 MA's), (111, 32733), (117, 32745), (122, 32763), (139, 32805), (161, 32853), (176, 32904), (179, 32913), (185, 32931), (193, 32958), (206, 32973), (210, 32979), (212, 32985), (215, 32991), (226, 33018), (228, 33027), (239, 33060), (264, 33093), (292, 33153), (302, 33183), (315, 33189), (330, 33234), (342, 33288), (343, 33291), (379, 33435), (420, 33588),

Gene: FrenchFry_33 Start: 32814, Stop: 33977, Start Num: 62

Candidate Starts for FrenchFry_33:

(35, 32667), (Start: 60 @32808 has 11 MA's), (Start: 62 @32814 has 296 MA's), (73, 32853), (85, 32883), (Start: 105 @32928 has 1 MA's), (122, 32973), (163, 33072), (182, 33132), (193, 33168), (205, 33192), (223, 33237), (225, 33243), (241, 33294), (257, 33333), (259, 33336), (267, 33348), (280, 33363), (296, 33387), (319, 33420), (341, 33501), (363, 33594), (374, 33630), (377, 33639), (379, 33645), (390, 33705), (443, 33870),

Gene: Freya_32 Start: 32064, Stop: 33224, Start Num: 62

Candidate Starts for Freya_32:

(Start: 62 @32064 has 296 MA's), (Start: 105 @32175 has 1 MA's), (122, 32220), (163, 32319), (182, 32379), (193, 32415), (205, 32439), (223, 32484), (225, 32490), (241, 32541), (257, 32580), (259, 32583), (267, 32595), (280, 32610), (296, 32634), (319, 32667), (341, 32748), (348, 32793), (363, 32841), (374, 32877), (377, 32886), (379, 32892), (443, 33117),

Gene: FriarPreacher_33 Start: 32391, Stop: 33551, Start Num: 62

Candidate Starts for FriarPreacher_33:

(Start: 62 @32391 has 296 MA's), (Start: 105 @32502 has 1 MA's), (122, 32547), (163, 32646), (182, 32706), (193, 32742), (205, 32766), (223, 32811), (225, 32817), (241, 32868), (257, 32907), (259, 32910), (267, 32922), (280, 32937), (296, 32961), (319, 32994), (341, 33075), (348, 33120), (363, 33168), (374, 33204), (377, 33213), (379, 33219), (443, 33444),

Gene: Fringe_33 Start: 32356, Stop: 33516, Start Num: 62

Candidate Starts for Fringe_33:

(Start: 62 @32356 has 296 MA's), (Start: 105 @32467 has 1 MA's), (122, 32512), (163, 32611), (182, 32671), (193, 32707), (205, 32731), (223, 32776), (225, 32782), (241, 32833), (257, 32872), (259, 32875), (267, 32887), (296, 32926), (319, 32959), (341, 33040), (348, 33085), (363, 33133), (374, 33169), (377, 33178), (379, 33184), (443, 33409),

Gene: FugateOSU_32 Start: 32069, Stop: 33229, Start Num: 62

Candidate Starts for FugateOSU_32:

(Start: 62 @32069 has 296 MA's), (Start: 105 @32180 has 1 MA's), (122, 32225), (163, 32324), (182, 32384), (193, 32420), (205, 32444), (223, 32489), (225, 32495), (241, 32546), (257, 32585), (259, 32588), (267, 32600), (280, 32615), (296, 32639), (319, 32672), (341, 32753), (348, 32798), (363, 32846), (374, 32882), (377, 32891), (379, 32897), (443, 33122),

Gene: Fulbright_21 Start: 20200, Stop: 21357, Start Num: 88

Candidate Starts for Fulbright_21:

(Start: 88 @20200 has 25 MA's), (120, 20281), (125, 20308), (Start: 135 @20329 has 1 MA's), (Start: 162 @20389 has 3 MA's), (167, 20413), (169, 20419), (176, 20437), (180, 20449), (184, 20461), (188, 20473), (199, 20509), (209, 20533), (215, 20548), (219, 20557), (226, 20581), (229, 20596), (233, 20611), (285, 20695), (287, 20698), (295, 20719), (301, 20740), (307, 20749), (310, 20761), (311, 20770), (379, 21031), (392, 21100), (458, 21334),

Gene: Funsized_35 Start: 35123, Stop: 36316, Start Num: 62

Candidate Starts for Funsized_35:

(11, 34694), (47, 35066), (54, 35099), (Start: 62 @35123 has 296 MA's), (121, 35279), (137, 35327), (151, 35354), (157, 35369), (160, 35375), (177, 35432), (193, 35483), (194, 35486), (196, 35492), (205, 35507), (220, 35543), (223, 35552), (257, 35648), (272, 35672), (273, 35675), (342, 35804), (359, 35891), (376, 35945), (458, 36290), (460, 36296),

Gene: GRU1_34 Start: 28214, Stop: 29290, Start Num: 104

Candidate Starts for GRU1_34:

(51, 28052), (Start: 104 @28214 has 2 MA's), (146, 28322), (166, 28373), (174, 28400), (212, 28508), (239, 28592), (246, 28613), (249, 28619), (267, 28646), (358, 28874), (436, 29153), (458, 29264),

Gene: GTE5_36 Start: 29539, Stop: 30600, Start Num: 104

Candidate Starts for GTE5_36:

(79, 29476), (Start: 104 @29539 has 2 MA's), (146, 29647), (174, 29725), (212, 29833), (239, 29917), (246, 29938), (253, 29950), (267, 29971), (269, 29974), (448, 30529), (458, 30574),

Gene: GTE8_33 Start: 29229, Stop: 30287, Start Num: 104

Candidate Starts for GTE8_33:

(51, 29067), (Start: 104 @29229 has 2 MA's), (185, 29445), (248, 29628), (448, 30216), (458, 30261),

Gene: Gadget_34 Start: 32229, Stop: 33431, Start Num: 65

Candidate Starts for Gadget_34:

(Start: 65 @32229 has 73 MA's), (73, 32262), (131, 32406), (134, 32415), (138, 32424), (157, 32463), (161, 32472), (166, 32490), (170, 32508), (177, 32526), (179, 32532), (183, 32544), (189, 32562), (193, 32577), (210, 32610), (220, 32637), (233, 32682), (270, 32763), (283, 32790), (290, 32808), (297, 32826), (315, 32868), (345, 32997), (372, 33087), (394, 33189), (416, 33246), (419, 33255), (429, 33294), (445, 33366), (458, 33408),

Gene: Ganymede_29 Start: 23336, Stop: 24349, Start Num: 114

Candidate Starts for Ganymede_29:

(15, 22892), (90, 23291), (Start: 114 @23336 has 91 MA's), (Start: 162 @23447 has 3 MA's), (199, 23561), (240, 23678), (259, 23720), (269, 23732), (296, 23771), (319, 23786), (341, 23864), (359, 23948), (363, 23960), (368, 23972), (379, 24011), (409, 24125), (429, 24194),

Gene: GardenSalsa_35 Start: 27841, Stop: 28923, Start Num: 101

Candidate Starts for GardenSalsa_35:

(100, 27835), (Start: 101 @27841 has 6 MA's), (126, 27916), (145, 27961), (148, 27967), (151, 27973), (158, 27991), (171, 28036), (177, 28051), (182, 28066), (190, 28090), (196, 28111), (215, 28165), (218, 28171), (227, 28201), (313, 28345), (325, 28381), (453, 28879),

Gene: Gareth_32 Start: 32072, Stop: 33232, Start Num: 62

Candidate Starts for Gareth_32:

(Start: 62 @32072 has 296 MA's), (Start: 105 @32183 has 1 MA's), (122, 32228), (163, 32327), (182, 32387), (193, 32423), (205, 32447), (223, 32492), (225, 32498), (241, 32549), (257, 32588), (259, 32591), (267, 32603), (280, 32618), (296, 32642), (319, 32675), (341, 32756), (348, 32801), (363, 32849), (374, 32885), (377, 32894), (379, 32900), (443, 33125),

Gene: GeneCoco_33 Start: 32381, Stop: 33541, Start Num: 62

Candidate Starts for GeneCoco_33:

(Start: 62 @32381 has 296 MA's), (Start: 105 @32492 has 1 MA's), (122, 32537), (163, 32636), (182, 32696), (193, 32732), (205, 32756), (223, 32801), (225, 32807), (241, 32858), (257, 32897), (259, 32900), (267, 32912), (280, 32927), (296, 32951), (319, 32984), (341, 33065), (348, 33110), (363, 33158), (374, 33194), (377, 33203), (379, 33209), (443, 33434),

Gene: GenevaB15_35 Start: 27886, Stop: 28968, Start Num: 101

Candidate Starts for GenevaB15_35:

(94, 27865), (100, 27880), (Start: 101 @27886 has 6 MA's), (126, 27961), (145, 28006), (148, 28012), (151, 28018), (158, 28036), (Start: 162 @28045 has 3 MA's), (177, 28096), (182, 28111), (190, 28135), (196, 28156), (215, 28210), (218, 28216), (233, 28270), (325, 28426), (434, 28837),

Gene: Geraldini_28 Start: 23332, Stop: 24345, Start Num: 114

Candidate Starts for Geraldini_28:

(15, 22888), (90, 23287), (Start: 114 @23332 has 91 MA's), (Start: 162 @23443 has 3 MA's), (197, 23551), (199, 23557), (240, 23674), (259, 23716), (269, 23728), (319, 23782), (341, 23860), (359, 23944), (363, 23956), (368, 23968), (379, 24007), (409, 24121), (429, 24190),

Gene: Gervas_33 Start: 32200, Stop: 33402, Start Num: 65

Candidate Starts for Gervas_33:

(Start: 65 @32200 has 73 MA's), (73, 32233), (131, 32377), (134, 32386), (138, 32395), (157, 32434), (161, 32443), (166, 32461), (182, 32512), (185, 32521), (189, 32533), (191, 32539), (193, 32548), (215, 32593), (220, 32608), (233, 32653), (247, 32692), (262, 32722), (272, 32737), (279, 32749), (288, 32773), (304, 32818), (315, 32839), (322, 32863), (343, 32938), (345, 32968), (363, 33028), (368, 33040), (372, 33058), (394, 33160), (429, 33265), (432, 33271), (435, 33289), (457, 33376),

Gene: GinPorsche_29 Start: 31578, Stop: 32735, Start Num: 66

Candidate Starts for GinPorsche_29:

(Start: 66 @31578 has 25 MA's), (99, 31671), (Start: 105 @31686 has 1 MA's), (111, 31701), (117, 31713), (122, 31731), (161, 31821), (176, 31872), (179, 31881), (181, 31887), (185, 31899), (193, 31926), (206, 31941), (210, 31947), (212, 31953), (226, 31986), (228, 31995), (239, 32028), (264, 32061), (302, 32151), (315, 32157), (342, 32256), (343, 32259), (379, 32403), (420, 32556),

Gene: Giraffe_33 Start: 32075, Stop: 33235, Start Num: 62

Candidate Starts for Giraffe_33:

(Start: 62 @32075 has 296 MA's), (Start: 105 @32186 has 1 MA's), (122, 32231), (163, 32330), (182, 32390), (193, 32426), (205, 32450), (223, 32495), (225, 32501), (241, 32552), (257, 32591), (259, 32594), (267, 32606), (280, 32621), (296, 32645), (319, 32678), (341, 32759), (348, 32804), (363, 32852), (374, 32888), (377, 32897), (379, 32903), (443, 33128),

Gene: Glass_33 Start: 32814, Stop: 33977, Start Num: 62

Candidate Starts for Glass_33:

(Start: 60 @32808 has 11 MA's), (Start: 62 @32814 has 296 MA's), (73, 32853), (85, 32883), (Start: 105 @32928 has 1 MA's), (122, 32973), (163, 33072), (182, 33132), (193, 33168), (205, 33192), (223,

33237), (225, 33243), (241, 33294), (257, 33333), (259, 33336), (267, 33348), (280, 33363), (296, 33387), (319, 33420), (341, 33501), (348, 33546), (363, 33594), (374, 33630), (377, 33639), (379, 33645), (443, 33870),

Gene: GlenHope_34 Start: 32212, Stop: 33414, Start Num: 65

Candidate Starts for GlenHope_34:

(Start: 65 @32212 has 73 MA's), (131, 32389), (134, 32398), (138, 32407), (157, 32446), (161, 32455), (166, 32473), (170, 32491), (177, 32509), (179, 32515), (183, 32527), (189, 32545), (193, 32560), (210, 32593), (220, 32620), (233, 32665), (270, 32746), (283, 32773), (290, 32791), (297, 32809), (315, 32851), (345, 32980), (372, 33070), (394, 33172), (419, 33238), (429, 33277), (445, 33349), (458, 33391),

Gene: Glubnar_33 Start: 32212, Stop: 33414, Start Num: 65

Candidate Starts for Glubnar_33:

(Start: 65 @32212 has 73 MA's), (73, 32245), (131, 32389), (134, 32398), (138, 32407), (157, 32446), (161, 32455), (166, 32473), (182, 32524), (185, 32533), (189, 32545), (191, 32551), (193, 32560), (215, 32605), (220, 32620), (233, 32665), (247, 32704), (262, 32734), (272, 32749), (279, 32761), (288, 32785), (306, 32833), (309, 32839), (312, 32845), (315, 32851), (322, 32875), (343, 32950), (345, 32980), (363, 33040), (368, 33052), (372, 33070), (393, 33169), (394, 33172), (429, 33277), (432, 33283), (435, 33301), (457, 33388),

Gene: GodPhather_26 Start: 30204, Stop: 31373, Start Num: 60

Candidate Starts for GodPhather_26:

(Start: 60 @30204 has 11 MA's), (Start: 62 @30210 has 296 MA's), (73, 30249), (85, 30279), (Start: 105 @30324 has 1 MA's), (122, 30369), (163, 30468), (182, 30528), (193, 30564), (205, 30588), (223, 30633), (225, 30639), (241, 30690), (257, 30729), (259, 30732), (267, 30744), (280, 30759), (296, 30783), (319, 30816), (341, 30897), (348, 30942), (363, 30990), (374, 31026), (377, 31035), (379, 31041), (443, 31266),

Gene: Godines_33 Start: 32691, Stop: 33896, Start Num: 59

Candidate Starts for Godines_33:

(33, 32547), (Start: 58 @32688 has 2 MA's), (Start: 59 @32691 has 7 MA's), (85, 32760), (117, 32829), (124, 32859), (131, 32871), (133, 32877), (134, 32880), (138, 32889), (157, 32928), (161, 32937), (164, 32949), (182, 33006), (189, 33027), (193, 33042), (215, 33087), (220, 33102), (233, 33147), (262, 33216), (279, 33243), (288, 33267), (304, 33312), (315, 33333), (322, 33357), (343, 33432), (345, 33462), (363, 33522), (368, 33534), (372, 33552), (394, 33654), (432, 33765), (435, 33783), (447, 33834), (457, 33870),

Gene: Gophee_33 Start: 32358, Stop: 33518, Start Num: 62

Candidate Starts for Gophee_33:

(Start: 62 @32358 has 296 MA's), (Start: 105 @32469 has 1 MA's), (122, 32514), (163, 32613), (182, 32673), (193, 32709), (205, 32733), (223, 32778), (225, 32784), (241, 32835), (257, 32874), (259, 32877), (267, 32889), (296, 32928), (319, 32961), (341, 33042), (348, 33087), (363, 33135), (374, 33171), (377, 33180), (379, 33186), (443, 33411),

Gene: Grand2040_32 Start: 32090, Stop: 33250, Start Num: 62

Candidate Starts for Grand2040_32:

(Start: 62 @32090 has 296 MA's), (Start: 105 @32201 has 1 MA's), (122, 32246), (163, 32345), (182, 32405), (193, 32441), (205, 32465), (223, 32510), (225, 32516), (241, 32567), (257, 32606), (259, 32609), (267, 32621), (280, 32636), (296, 32660), (319, 32693), (341, 32774), (348, 32819), (363, 32867), (374, 32903), (377, 32912), (379, 32918), (443, 33143),

Gene: GreaseLightnin_22 Start: 21355, Stop: 22509, Start Num: 88

Candidate Starts for GreaseLightnin_22:

(34, 21118), (39, 21160), (43, 21190), (49, 21220), (50, 21229), (63, 21280), (78, 21334), (Start: 88 @21355 has 25 MA's), (120, 21436), (Start: 135 @21484 has 1 MA's), (Start: 162 @21544 has 3 MA's), (164, 21553), (167, 21568), (176, 21592), (184, 21616), (188, 21628), (215, 21703), (219, 21712), (226, 21736), (233, 21766), (285, 21850), (287, 21853), (295, 21874), (341, 22033), (360, 22123), (363, 22132), (372, 22162), (379, 22183), (458, 22486),

Gene: GrootJr_46 Start: 35356, Stop: 36414, Start Num: 106

Candidate Starts for GrootJr_46:

(1, 33916), (2, 34213), (4, 34444), (13, 34813), (51, 35191), (53, 35206), (57, 35224), (Start: 106 @35356 has 23 MA's), (229, 35701), (246, 35752), (287, 35800),

Gene: Guanica15_28 Start: 22542, Stop: 23603, Start Num: 114

Candidate Starts for Guanica15_28:

(Start: 114 @22542 has 91 MA's), (Start: 162 @22656 has 3 MA's), (199, 22770), (207, 22791), (236, 22878), (245, 22899), (246, 22905), (327, 23013), (341, 23073), (365, 23193), (366, 23199), (367, 23205), (383, 23295), (422, 23421), (425, 23436),

Gene: Gwennie1_33 Start: 32439, Stop: 33599, Start Num: 62

Candidate Starts for Gwennie1_33:

(Start: 62 @32439 has 296 MA's), (Start: 105 @32550 has 1 MA's), (122, 32595), (163, 32694), (182, 32754), (193, 32790), (205, 32814), (223, 32859), (225, 32865), (241, 32916), (257, 32955), (259, 32958), (267, 32970), (296, 33009), (319, 33042), (341, 33123), (348, 33168), (363, 33216), (374, 33252), (377, 33261), (379, 33267), (443, 33492),

Gene: Gwilliam_33 Start: 32370, Stop: 33530, Start Num: 62

Candidate Starts for Gwilliam_33:

(Start: 62 @32370 has 296 MA's), (Start: 105 @32481 has 1 MA's), (122, 32526), (163, 32625), (182, 32685), (193, 32721), (205, 32745), (223, 32790), (225, 32796), (241, 32847), (257, 32886), (259, 32889), (267, 32901), (280, 32916), (296, 32940), (319, 32973), (341, 33054), (348, 33099), (363, 33147), (374, 33183), (377, 33192), (379, 33198), (443, 33423),

Gene: Gyarad_0033 Start: 32372, Stop: 33532, Start Num: 62

Candidate Starts for Gyarad_0033:

(Start: 62 @32372 has 296 MA's), (Start: 105 @32483 has 1 MA's), (122, 32528), (163, 32627), (182, 32687), (193, 32723), (205, 32747), (223, 32792), (225, 32798), (241, 32849), (257, 32888), (259, 32891), (267, 32903), (280, 32918), (296, 32942), (319, 32975), (341, 33056), (348, 33101), (363, 33149), (374, 33185), (377, 33194), (379, 33200), (443, 33425),

Gene: HSavage_33 Start: 32376, Stop: 33536, Start Num: 62

Candidate Starts for HSavage_33:

(Start: 62 @32376 has 296 MA's), (Start: 105 @32487 has 1 MA's), (122, 32532), (163, 32631), (182, 32691), (193, 32727), (205, 32751), (223, 32796), (225, 32802), (241, 32853), (257, 32892), (259, 32895), (267, 32907), (280, 32922), (296, 32946), (319, 32979), (341, 33060), (348, 33105), (363, 33153), (374, 33189), (377, 33198), (379, 33204), (443, 33429),

Gene: Haimas_33 Start: 32367, Stop: 33527, Start Num: 62

Candidate Starts for Haimas_33:

(Start: 62 @32367 has 296 MA's), (Start: 105 @32478 has 1 MA's), (122, 32523), (163, 32622), (182, 32682), (193, 32718), (205, 32742), (223, 32787), (225, 32793), (241, 32844), (257, 32883), (259, 32886), (267, 32898), (280, 32913), (296, 32937), (319, 32970), (341, 33051), (348, 33096), (363, 33144), (374, 33180), (377, 33189), (379, 33195), (443, 33420),

Gene: Haleema_32 Start: 32090, Stop: 33250, Start Num: 62

Candidate Starts for Haleema_32:

(Start: 62 @32090 has 296 MA's), (Start: 105 @32201 has 1 MA's), (122, 32246), (163, 32345), (182, 32405), (193, 32441), (205, 32465), (223, 32510), (225, 32516), (241, 32567), (257, 32606), (259, 32609), (267, 32621), (280, 32636), (296, 32660), (319, 32693), (341, 32774), (348, 32819), (363, 32867), (374, 32903), (377, 32912), (379, 32918), (443, 33143),

Gene: Halena_21 Start: 21699, Stop: 22871, Start Num: 65

Candidate Starts for Halena_21:

(Start: 64 @21696 has 5 MA's), (Start: 65 @21699 has 73 MA's), (Start: 113 @21825 has 1 MA's), (128, 21867), (133, 21879), (134, 21882), (151, 21915), (156, 21927), (170, 21975), (177, 21993), (189, 22029), (193, 22044), (218, 22095), (227, 22125), (240, 22167), (250, 22191), (292, 22227), (294, 22233), (309, 22260), (315, 22278), (343, 22371), (344, 22374), (361, 22458), (398, 22596), (407, 22614), (431, 22698),

Gene: Halfpint_32 Start: 32038, Stop: 33240, Start Num: 65

Candidate Starts for Halfpint_32:

(Start: 65 @32038 has 73 MA's), (131, 32215), (134, 32224), (138, 32233), (157, 32272), (161, 32281), (166, 32299), (170, 32317), (177, 32335), (179, 32341), (183, 32353), (189, 32371), (193, 32386), (220, 32446), (233, 32491), (270, 32572), (283, 32599), (290, 32617), (297, 32635), (315, 32677), (345, 32806), (372, 32896), (394, 32998), (416, 33055), (419, 33064), (429, 33103), (445, 33175), (458, 33217),

Gene: Hally898_29 Start: 31590, Stop: 32747, Start Num: 66

Candidate Starts for Hally898_29:

(Start: 66 @31590 has 25 MA's), (99, 31683), (Start: 105 @31698 has 1 MA's), (111, 31713), (117, 31725), (122, 31743), (161, 31833), (176, 31884), (179, 31893), (181, 31899), (185, 31911), (193, 31938), (206, 31953), (210, 31959), (212, 31965), (226, 31998), (228, 32007), (239, 32040), (264, 32073), (302, 32163), (315, 32169), (342, 32268), (343, 32271), (379, 32415), (420, 32568),

Gene: Hamish_33 Start: 32359, Stop: 33519, Start Num: 62

Candidate Starts for Hamish_33:

(Start: 62 @32359 has 296 MA's), (Start: 105 @32470 has 1 MA's), (122, 32515), (163, 32614), (182, 32674), (193, 32710), (205, 32734), (223, 32779), (225, 32785), (241, 32836), (257, 32875), (259, 32878), (267, 32890), (280, 32905), (296, 32929), (319, 32962), (341, 33043), (348, 33088), (363, 33136), (374, 33172), (377, 33181), (379, 33187), (443, 33412),

Gene: Hammy_27 Start: 23691, Stop: 24695, Start Num: 114

Candidate Starts for Hammy_27:

(Start: 114 @23691 has 91 MA's), (222, 23976), (240, 24033), (329, 24165), (336, 24192), (361, 24306), (404, 24459), (429, 24552), (433, 24555), (444, 24618), (448, 24630),

Gene: Hanako_21 Start: 19877, Stop: 21031, Start Num: 88

Candidate Starts for Hanako_21:

(34, 19640), (39, 19682), (43, 19712), (49, 19742), (63, 19802), (78, 19856), (Start: 88 @19877 has 25 MA's), (112, 19940), (120, 19958), (Start: 135 @20006 has 1 MA's), (Start: 162 @20066 has 3 MA's), (164, 20075), (167, 20090), (176, 20114), (184, 20138), (188, 20150), (215, 20225), (219, 20234), (226, 20258), (233, 20288), (251, 20333), (252, 20336), (255, 20342), (285, 20372), (287, 20375), (295, 20396), (341, 20555), (360, 20645), (363, 20654), (372, 20684), (379, 20705), (458, 21008),

Gene: Hangman_30 Start: 32602, Stop: 33759, Start Num: 66

Candidate Starts for Hangman_30:

(Start: 66 @32602 has 25 MA's), (99, 32695), (Start: 105 @32710 has 1 MA's), (111, 32725), (117, 32737), (122, 32755), (139, 32797), (176, 32896), (179, 32905), (185, 32923), (206, 32965), (210, 32971), (212, 32977), (215, 32983), (226, 33010), (228, 33019), (239, 33052), (264, 33085), (292, 33145), (302, 33175), (315, 33181), (321, 33202), (330, 33226), (342, 33280), (343, 33283), (379, 33427),

Gene: Hartsy_33 Start: 32410, Stop: 33570, Start Num: 62

Candidate Starts for Hartsy_33:

(Start: 62 @32410 has 296 MA's), (Start: 105 @32521 has 1 MA's), (122, 32566), (163, 32665), (182, 32725), (193, 32761), (205, 32785), (223, 32830), (225, 32836), (241, 32887), (257, 32926), (259, 32929), (267, 32941), (296, 32980), (319, 33013), (341, 33094), (363, 33187), (374, 33223), (377, 33232), (379, 33238), (443, 33463),

Gene: Harvey_33 Start: 32385, Stop: 33545, Start Num: 62

Candidate Starts for Harvey_33:

(Start: 62 @32385 has 296 MA's), (Start: 105 @32496 has 1 MA's), (122, 32541), (163, 32640), (182, 32700), (193, 32736), (205, 32760), (223, 32805), (225, 32811), (241, 32862), (257, 32901), (259, 32904), (267, 32916), (296, 32955), (319, 32988), (341, 33069), (348, 33114), (363, 33162), (374, 33198), (377, 33207), (379, 33213), (443, 33438),

Gene: HarveySr_33 Start: 32202, Stop: 33404, Start Num: 65

Candidate Starts for HarveySr_33:

(Start: 65 @32202 has 73 MA's), (73, 32235), (131, 32379), (134, 32388), (138, 32397), (157, 32436), (161, 32445), (166, 32463), (170, 32481), (177, 32499), (179, 32505), (183, 32517), (189, 32535), (193, 32550), (210, 32583), (220, 32610), (233, 32655), (270, 32736), (283, 32763), (290, 32781), (297, 32799), (315, 32841), (345, 32970), (372, 33060), (394, 33162), (416, 33219), (419, 33228), (429, 33267), (445, 33339), (458, 33381),

Gene: Heath_29 Start: 32206, Stop: 33363, Start Num: 66

Candidate Starts for Heath_29:

(Start: 66 @32206 has 25 MA's), (99, 32299), (Start: 105 @32314 has 1 MA's), (111, 32329), (117, 32341), (122, 32359), (139, 32401), (176, 32500), (179, 32509), (185, 32527), (193, 32554), (206, 32569), (210, 32575), (212, 32581), (215, 32587), (226, 32614), (228, 32623), (239, 32656), (264, 32689), (274, 32707), (292, 32749), (302, 32779), (315, 32785), (321, 32806), (342, 32884), (343, 32887), (355, 32932), (379, 33031), (420, 33184),

Gene: Heathcliff_33 Start: 32184, Stop: 33386, Start Num: 65

Candidate Starts for Heathcliff_33:

(Start: 65 @32184 has 73 MA's), (73, 32217), (131, 32361), (134, 32370), (138, 32379), (157, 32418), (161, 32427), (166, 32445), (170, 32463), (177, 32481), (179, 32487), (183, 32499), (189, 32517), (193, 32532), (210, 32565), (220, 32592), (233, 32637), (270, 32718), (283, 32745), (290, 32763), (297, 32781), (315, 32823), (322, 32847), (343, 32922), (345, 32952), (363, 33012), (368, 33024), (372, 33042), (394, 33144), (429, 33249), (432, 33255), (435, 33273), (457, 33360),

Gene: Hedgerow_33 Start: 32796, Stop: 33959, Start Num: 62

Candidate Starts for Hedgerow_33:

(35, 32649), (Start: 60 @32790 has 11 MA's), (Start: 62 @32796 has 296 MA's), (73, 32835), (85, 32865), (Start: 105 @32910 has 1 MA's), (122, 32955), (163, 33054), (182, 33114), (193, 33150), (205, 33174), (223, 33219), (225, 33225), (241, 33276), (257, 33315), (259, 33318), (267, 33330), (280, 33345), (296, 33369), (319, 33402), (341, 33483), (363, 33576), (374, 33612), (377, 33621), (379, 33627), (390, 33687), (443, 33852),

Gene: HedwigODU_28 Start: 23325, Stop: 24338, Start Num: 114

Candidate Starts for HedwigODU_28:

(15, 22881), (32, 23028), (90, 23280), (Start: 114 @23325 has 91 MA's), (Start: 162 @23436 has 3 MA's), (199, 23550), (240, 23667), (259, 23709), (269, 23721), (319, 23775), (341, 23853), (363, 23949), (368, 23961), (376, 23991), (379, 24000), (409, 24114), (429, 24183),

Gene: Held_33 Start: 32074, Stop: 33234, Start Num: 62

Candidate Starts for Held_33:

(Start: 62 @32074 has 296 MA's), (Start: 105 @32185 has 1 MA's), (122, 32230), (163, 32329), (182, 32389), (193, 32425), (205, 32449), (223, 32494), (225, 32500), (241, 32551), (257, 32590), (259, 32593), (267, 32605), (280, 32620), (296, 32644), (319, 32677), (341, 32758), (348, 32803), (363, 32851), (374, 32887), (377, 32896), (379, 32902), (443, 33127),

Gene: HenryJackson_32 Start: 32090, Stop: 33250, Start Num: 62

Candidate Starts for HenryJackson_32:

(Start: 62 @32090 has 296 MA's), (Start: 105 @32201 has 1 MA's), (122, 32246), (163, 32345), (182, 32405), (193, 32441), (205, 32465), (223, 32510), (225, 32516), (241, 32567), (257, 32606), (259, 32609), (267, 32621), (280, 32636), (296, 32660), (319, 32693), (341, 32774), (348, 32819), (363, 32867), (374, 32903), (377, 32912), (379, 32918), (443, 33143),

Gene: Hertubise_33 Start: 32381, Stop: 33541, Start Num: 62

Candidate Starts for Hertubise_33:

(Start: 62 @32381 has 296 MA's), (Start: 105 @32492 has 1 MA's), (122, 32537), (163, 32636), (182, 32696), (193, 32732), (205, 32756), (223, 32801), (225, 32807), (241, 32858), (257, 32897), (259, 32900), (267, 32912), (280, 32927), (296, 32951), (319, 32984), (341, 33065), (348, 33110), (363, 33158), (374, 33194), (377, 33203), (379, 33209), (443, 33434),

Gene: Hetaeria_33 Start: 32383, Stop: 33543, Start Num: 62

Candidate Starts for Hetaeria_33:

(Start: 62 @32383 has 296 MA's), (Start: 105 @32494 has 1 MA's), (122, 32539), (163, 32638), (182, 32698), (193, 32734), (205, 32758), (223, 32803), (225, 32809), (241, 32860), (257, 32899), (259, 32902), (267, 32914), (296, 32953), (319, 32986), (341, 33067), (348, 33112), (363, 33160), (374, 33196), (377, 33205), (379, 33211), (443, 33436),

Gene: HighStump_32 Start: 32073, Stop: 33233, Start Num: 62

Candidate Starts for HighStump_32:

(Start: 62 @32073 has 296 MA's), (Start: 105 @32184 has 1 MA's), (122, 32229), (163, 32328), (182, 32388), (193, 32424), (205, 32448), (223, 32493), (225, 32499), (241, 32550), (257, 32589), (259, 32592), (267, 32604), (280, 32619), (296, 32643), (319, 32676), (341, 32757), (348, 32802), (363, 32850), (374, 32886), (377, 32895), (379, 32901), (443, 33126),

Gene: Hocus_32 Start: 32082, Stop: 33242, Start Num: 62

Candidate Starts for Hocus_32:

(Start: 62 @32082 has 296 MA's), (Start: 105 @32193 has 1 MA's), (122, 32238), (163, 32337), (182, 32397), (193, 32433), (205, 32457), (223, 32502), (225, 32508), (241, 32559), (257, 32598), (259, 32601), (267, 32613), (296, 32652), (319, 32685), (341, 32766), (348, 32811), (363, 32859), (374, 32895), (377, 32904), (379, 32910), (443, 33135),

Gene: Holeinone_33 Start: 32676, Stop: 33839, Start Num: 62

Candidate Starts for Holeinone_33:

(35, 32529), (Start: 60 @32670 has 11 MA's), (Start: 62 @32676 has 296 MA's), (73, 32715), (85, 32745), (Start: 105 @32790 has 1 MA's), (122, 32835), (163, 32934), (182, 32994), (193, 33030), (205, 33054), (223, 33099), (225, 33105), (241, 33156), (257, 33195), (259, 33198), (267, 33210), (280, 33225), (296, 33249), (319, 33282), (341, 33363), (363, 33456), (374, 33492), (377, 33501), (379,

33507), (443, 33732),

Gene: Homura_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Homura_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (Start: 162 @23467 has 3 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (368, 23992), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Horchata_33 Start: 32361, Stop: 33521, Start Num: 62

Candidate Starts for Horchata_33:

(Start: 62 @32361 has 296 MA's), (Start: 105 @32472 has 1 MA's), (122, 32517), (163, 32616), (182, 32676), (193, 32712), (205, 32736), (223, 32781), (225, 32787), (241, 32838), (257, 32877), (259, 32880), (267, 32892), (280, 32907), (296, 32931), (319, 32964), (341, 33045), (348, 33090), (363, 33138), (374, 33174), (377, 33183), (379, 33189), (443, 33414),

Gene: Hosp_025 Start: 28263, Stop: 29486, Start Num: 62

Candidate Starts for Hosp_025:

(Start: 62 @28263 has 296 MA's), (73, 28302), (96, 28353), (Start: 105 @28374 has 1 MA's), (111, 28389), (122, 28419), (148, 28479), (157, 28500), (158, 28503), (176, 28560), (193, 28614), (194, 28617), (196, 28623), (239, 28737), (272, 28806), (297, 28911), (341, 29043), (343, 29049), (375, 29172), (389, 29232), (411, 29286), (414, 29292), (429, 29340),

Gene: Hurricane_28 Start: 23950, Stop: 24975, Start Num: 116

Candidate Starts for Hurricane_28:

(12, 23398), (14, 23464), (16, 23527), (18, 23560), (24, 23602), (45, 23761), (69, 23860), (91, 23917), (Start: 116 @23950 has 61 MA's), (167, 24073), (170, 24082), (180, 24109), (195, 24157), (199, 24169), (207, 24190), (226, 24241), (234, 24271), (331, 24424), (336, 24445), (351, 24517), (359, 24553), (364, 24568), (377, 24610), (379, 24616), (401, 24706), (425, 24805), (426, 24808), (446, 24907), (460, 24958),

Gene: Hydro_30 Start: 32619, Stop: 33776, Start Num: 66

Candidate Starts for Hydro_30:

(Start: 66 @32619 has 25 MA's), (99, 32712), (Start: 105 @32727 has 1 MA's), (111, 32742), (117, 32754), (122, 32772), (139, 32814), (176, 32913), (179, 32922), (185, 32940), (193, 32967), (206, 32982), (210, 32988), (212, 32994), (215, 33000), (226, 33027), (228, 33036), (239, 33069), (264, 33102), (292, 33162), (302, 33192), (315, 33198), (330, 33243), (342, 33297), (343, 33300), (379, 33444), (420, 33597),

Gene: Hyperbowlee_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Hyperbowlee_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (Start: 162 @23467 has 3 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (368, 23992), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: IdentityCrisis_21 Start: 19031, Stop: 20086, Start Num: 88

Candidate Starts for IdentityCrisis_21:

(Start: 88 @19031 has 25 MA's), (130, 19148), (200, 19322), (245, 19439), (246, 19445), (342, 19610), (363, 19703), (378, 19751), (384, 19787), (412, 19880),

Gene: Illumine_28 Start: 23339, Stop: 24352, Start Num: 114

Candidate Starts for Illumine_28:

(Start: 114 @23339 has 91 MA's), (Start: 162 @23450 has 3 MA's), (165, 23459), (199, 23564), (232, 23660), (240, 23681), (259, 23723), (269, 23735), (319, 23789), (341, 23867), (363, 23963), (368,

23975), (379, 24014), (409, 24128), (429, 24197), (452, 24293),

Gene: ImtiyazSitla_32 Start: 31924, Stop: 33084, Start Num: 62

Candidate Starts for ImtiyazSitla_32:

(Start: 62 @31924 has 296 MA's), (Start: 105 @32035 has 1 MA's), (122, 32080), (163, 32179), (182, 32239), (193, 32275), (205, 32299), (223, 32344), (225, 32350), (241, 32401), (257, 32440), (259, 32443), (267, 32455), (280, 32470), (296, 32494), (319, 32527), (341, 32608), (348, 32653), (363, 32701), (374, 32737), (377, 32746), (379, 32752), (443, 32977),

Gene: Inchworm_33 Start: 32359, Stop: 33519, Start Num: 62

Candidate Starts for Inchworm_33:

(Start: 62 @32359 has 296 MA's), (Start: 105 @32470 has 1 MA's), (122, 32515), (163, 32614), (182, 32674), (193, 32710), (205, 32734), (223, 32779), (225, 32785), (241, 32836), (257, 32875), (259, 32878), (267, 32890), (280, 32905), (296, 32929), (319, 32962), (341, 33043), (348, 33088), (363, 33136), (374, 33172), (377, 33181), (379, 33187), (443, 33412),

Gene: Inky_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Inky_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Inverness_33 Start: 32373, Stop: 33533, Start Num: 62

Candidate Starts for Inverness_33:

(Start: 62 @32373 has 296 MA's), (Start: 105 @32484 has 1 MA's), (122, 32529), (163, 32628), (182, 32688), (193, 32724), (205, 32748), (223, 32793), (225, 32799), (241, 32850), (257, 32889), (259, 32892), (267, 32904), (280, 32919), (296, 32943), (319, 32976), (341, 33057), (348, 33102), (363, 33150), (374, 33186), (377, 33195), (379, 33201), (443, 33426),

Gene: Iridessa_33 Start: 32075, Stop: 33235, Start Num: 62

Candidate Starts for Iridessa_33:

(Start: 62 @32075 has 296 MA's), (Start: 105 @32186 has 1 MA's), (122, 32231), (163, 32330), (182, 32390), (193, 32426), (205, 32450), (223, 32495), (225, 32501), (241, 32552), (257, 32591), (259, 32594), (267, 32606), (296, 32645), (319, 32678), (341, 32759), (363, 32852), (374, 32888), (377, 32897), (379, 32903), (443, 33128),

Gene: Iridoclysis_33 Start: 32353, Stop: 33513, Start Num: 62

Candidate Starts for Iridoclysis_33:

(Start: 62 @32353 has 296 MA's), (Start: 105 @32464 has 1 MA's), (122, 32509), (163, 32608), (182, 32668), (193, 32704), (205, 32728), (223, 32773), (225, 32779), (241, 32830), (257, 32869), (259, 32872), (267, 32884), (296, 32923), (319, 32956), (341, 33037), (348, 33082), (363, 33130), (374, 33166), (377, 33175), (379, 33181), (443, 33406),

Gene: IsaacEli_33 Start: 32377, Stop: 33537, Start Num: 62

Candidate Starts for IsaacEli_33:

(Start: 62 @32377 has 296 MA's), (Start: 105 @32488 has 1 MA's), (122, 32533), (163, 32632), (182, 32692), (193, 32728), (205, 32752), (223, 32797), (225, 32803), (241, 32854), (257, 32893), (259, 32896), (267, 32908), (280, 32923), (296, 32947), (319, 32980), (341, 33061), (348, 33106), (363, 33154), (374, 33190), (377, 33199), (379, 33205), (443, 33430),

Gene: ItsyBitsy1_33 Start: 32678, Stop: 33841, Start Num: 62

Candidate Starts for ItsyBitsy1_33:

(35, 32531), (Start: 60 @32672 has 11 MA's), (Start: 62 @32678 has 296 MA's), (73, 32717), (85, 32747), (Start: 105 @32792 has 1 MA's), (122, 32837), (163, 32936), (182, 32996), (193, 33032), (205, 33056), (223, 33101), (225, 33107), (241, 33158), (257, 33197), (259, 33200), (267, 33212), (280, 33227), (296, 33251), (319, 33284), (341, 33365), (363, 33458), (374, 33494), (377, 33503), (379, 33509), (443, 33734),

Gene: JAMaL_30 Start: 32789, Stop: 33946, Start Num: 66

Candidate Starts for JAMaL_30:

(Start: 66 @32789 has 25 MA's), (99, 32882), (Start: 105 @32897 has 1 MA's), (111, 32912), (117, 32924), (122, 32942), (161, 33032), (176, 33083), (179, 33092), (181, 33098), (185, 33110), (193, 33137), (206, 33152), (210, 33158), (212, 33164), (226, 33197), (228, 33206), (239, 33239), (264, 33272), (302, 33362), (315, 33368), (342, 33467), (343, 33470), (379, 33614), (420, 33767),

Gene: JAWS_28 Start: 23310, Stop: 24323, Start Num: 114

Candidate Starts for JAWS_28:

(15, 22866), (90, 23265), (Start: 114 @23310 has 91 MA's), (Start: 162 @23421 has 3 MA's), (199, 23535), (240, 23652), (259, 23694), (269, 23706), (319, 23760), (341, 23838), (363, 23934), (376, 23976), (379, 23985), (409, 24099), (429, 24168),

Gene: JDog_32 Start: 32090, Stop: 33250, Start Num: 62

Candidate Starts for JDog_32:

(Start: 62 @32090 has 296 MA's), (Start: 105 @32201 has 1 MA's), (122, 32246), (163, 32345), (182, 32405), (193, 32441), (205, 32465), (223, 32510), (225, 32516), (241, 32567), (257, 32606), (259, 32609), (267, 32621), (280, 32636), (296, 32660), (319, 32693), (341, 32774), (348, 32819), (363, 32867), (374, 32903), (377, 32912), (379, 32918), (443, 33143),

Gene: JF1_29 Start: 24585, Stop: 25589, Start Num: 116

Candidate Starts for JF1_29:

(Start: 116 @24585 has 61 MA's), (142, 24654), (183, 24753), (197, 24798), (199, 24804), (220, 24858), (223, 24867), (232, 24903), (249, 24948), (262, 24969), (267, 24975), (269, 24978), (341, 25110), (342, 25113), (372, 25236), (379, 25257), (448, 25524),

Gene: JacAttac_33 Start: 32359, Stop: 33519, Start Num: 62

Candidate Starts for JacAttac_33:

(Start: 62 @32359 has 296 MA's), (Start: 105 @32470 has 1 MA's), (122, 32515), (163, 32614), (182, 32674), (193, 32710), (205, 32734), (223, 32779), (225, 32785), (241, 32836), (257, 32875), (259, 32878), (267, 32890), (280, 32905), (296, 32929), (319, 32962), (341, 33043), (348, 33088), (363, 33136), (374, 33172), (377, 33181), (379, 33187), (443, 33412),

Gene: Jackstina_30 Start: 32142, Stop: 33344, Start Num: 65

Candidate Starts for Jackstina_30:

(Start: 65 @32142 has 73 MA's), (73, 32175), (131, 32319), (134, 32328), (138, 32337), (157, 32376), (161, 32385), (166, 32403), (170, 32421), (177, 32439), (179, 32445), (183, 32457), (189, 32475), (193, 32490), (210, 32523), (220, 32550), (233, 32595), (270, 32676), (283, 32703), (290, 32721), (297, 32739), (315, 32781), (345, 32910), (372, 33000), (394, 33102), (416, 33159), (419, 33168), (429, 33207), (445, 33279), (458, 33321),

Gene: JaguarMi_30 Start: 32084, Stop: 33241, Start Num: 66

Candidate Starts for JaguarMi_30:

(Start: 66 @32084 has 25 MA's), (99, 32177), (Start: 105 @32192 has 1 MA's), (111, 32207), (117, 32219), (122, 32237), (131, 32261), (139, 32279), (146, 32294), (176, 32378), (179, 32387), (185, 32405), (206, 32447), (210, 32453), (212, 32459), (215, 32465), (226, 32492), (228, 32501), (239, 32534), (264, 32567), (292, 32627), (302, 32657), (315, 32663), (342, 32762), (343, 32765), (370,

32876), (379, 32909), (420, 33062), (426, 33086), (429, 33098),

Gene: JakeO_32 Start: 32092, Stop: 33252, Start Num: 62

Candidate Starts for JakeO_32:

(Start: 62 @32092 has 296 MA's), (Start: 105 @32203 has 1 MA's), (122, 32248), (163, 32347), (182, 32407), (193, 32443), (205, 32467), (223, 32512), (225, 32518), (241, 32569), (257, 32608), (259, 32611), (267, 32623), (280, 32638), (296, 32662), (319, 32695), (341, 32776), (363, 32869), (374, 32905), (377, 32914), (379, 32920), (443, 33145),

Gene: Jamie19_21 Start: 19877, Stop: 21031, Start Num: 88

Candidate Starts for Jamie19_21:

(34, 19640), (39, 19682), (43, 19712), (49, 19742), (63, 19802), (78, 19856), (Start: 88 @19877 has 25 MA's), (120, 19958), (Start: 135 @20006 has 1 MA's), (Start: 162 @20066 has 3 MA's), (164, 20075), (167, 20090), (176, 20114), (184, 20138), (188, 20150), (215, 20225), (219, 20234), (226, 20258), (233, 20288), (285, 20372), (287, 20375), (295, 20396), (341, 20555), (360, 20645), (363, 20654), (372, 20684), (379, 20705), (458, 21008),

Gene: JangoPhett_33 Start: 32361, Stop: 33521, Start Num: 62

Candidate Starts for JangoPhett_33:

(Start: 62 @32361 has 296 MA's), (Start: 105 @32472 has 1 MA's), (122, 32517), (163, 32616), (182, 32676), (193, 32712), (205, 32736), (223, 32781), (225, 32787), (241, 32838), (257, 32877), (259, 32880), (267, 32892), (296, 32931), (319, 32964), (341, 33045), (348, 33090), (363, 33138), (374, 33174), (377, 33183), (379, 33189), (443, 33414),

Gene: Jarvi_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Jarvi_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Jayhawk_28 Start: 23323, Stop: 24336, Start Num: 114

Candidate Starts for Jayhawk_28:

(15, 22879), (32, 23026), (90, 23278), (Start: 114 @23323 has 91 MA's), (Start: 162 @23434 has 3 MA's), (199, 23548), (240, 23665), (259, 23707), (269, 23719), (319, 23773), (341, 23851), (363, 23947), (368, 23959), (376, 23989), (379, 23998), (409, 24112), (429, 24181),

Gene: Jeckyll_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Jeckyll_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Jeon_25 Start: 29946, Stop: 31115, Start Num: 60

Candidate Starts for Jeon_25:

(Start: 60 @29946 has 11 MA's), (Start: 62 @29952 has 296 MA's), (73, 29991), (85, 30021), (Start: 105 @30066 has 1 MA's), (122, 30111), (163, 30210), (182, 30270), (193, 30306), (205, 30330), (223, 30375), (225, 30381), (241, 30432), (257, 30471), (259, 30474), (267, 30486), (280, 30501), (296, 30525), (319, 30558), (341, 30639), (348, 30684), (363, 30732), (374, 30768), (377, 30777), (379, 30783), (443, 31008),

Gene: Jesabah_33 Start: 32092, Stop: 33252, Start Num: 62

Candidate Starts for Jesabah_33:

(Start: 62 @32092 has 296 MA's), (Start: 105 @32203 has 1 MA's), (122, 32248), (163, 32347), (182, 32407), (193, 32443), (205, 32467), (223, 32512), (225, 32518), (241, 32569), (257, 32608), (259, 32611), (267, 32623), (280, 32638), (296, 32662), (319, 32695), (341, 32776), (348, 32821), (363, 32869), (374, 32905), (377, 32914), (379, 32920), (443, 33145),

Gene: Jifall16_43 Start: 35628, Stop: 36686, Start Num: 106

Candidate Starts for Jifall16_43:

(1, 34188), (2, 34485), (4, 34716), (13, 35085), (51, 35463), (53, 35478), (57, 35496), (Start: 106 @35628 has 23 MA's), (229, 35973), (246, 36024), (287, 36072),

Gene: Jillium_32 Start: 32083, Stop: 33243, Start Num: 62

Candidate Starts for Jillium_32:

(Start: 62 @32083 has 296 MA's), (Start: 105 @32194 has 1 MA's), (122, 32239), (163, 32338), (182, 32398), (193, 32434), (205, 32458), (223, 32503), (225, 32509), (241, 32560), (257, 32599), (259, 32602), (267, 32614), (280, 32629), (296, 32653), (319, 32686), (341, 32767), (348, 32812), (363, 32860), (374, 32896), (377, 32905), (379, 32911), (443, 33136),

Gene: Jiminy_32 Start: 31927, Stop: 33087, Start Num: 62

Candidate Starts for Jiminy_32:

(Start: 62 @31927 has 296 MA's), (Start: 105 @32038 has 1 MA's), (122, 32083), (163, 32182), (182, 32242), (193, 32278), (205, 32302), (223, 32347), (225, 32353), (241, 32404), (257, 32443), (259, 32446), (267, 32458), (296, 32497), (319, 32530), (341, 32611), (363, 32704), (374, 32740), (377, 32749), (379, 32755), (443, 32980),

Gene: Jiraiya_32 Start: 32080, Stop: 33240, Start Num: 62

Candidate Starts for Jiraiya_32:

(Start: 62 @32080 has 296 MA's), (Start: 105 @32191 has 1 MA's), (122, 32236), (163, 32335), (182, 32395), (193, 32431), (205, 32455), (223, 32500), (225, 32506), (241, 32557), (257, 32596), (259, 32599), (267, 32611), (280, 32626), (296, 32650), (319, 32683), (341, 32764), (363, 32857), (374, 32893), (377, 32902), (379, 32908), (443, 33133),

Gene: Jobypre_22 Start: 22247, Stop: 23464, Start Num: 65

Candidate Starts for Jobypre_22:

(Start: 65 @22247 has 73 MA's), (103, 22349), (110, 22361), (117, 22379), (121, 22388), (133, 22427), (151, 22463), (157, 22478), (160, 22484), (167, 22514), (168, 22517), (181, 22553), (185, 22565), (204, 22616), (206, 22619), (228, 22679), (236, 22706), (242, 22721), (245, 22727), (249, 22739), (276, 22799), (288, 22823), (315, 22883), (342, 22979), (345, 23012), (369, 23084), (374, 23108), (437, 23336), (440, 23348),

Gene: JoeDirt_21 Start: 21667, Stop: 22842, Start Num: 64

Candidate Starts for JoeDirt_21:

(Start: 64 @21667 has 5 MA's), (Start: 65 @21670 has 73 MA's), (Start: 113 @21796 has 1 MA's), (128, 21838), (133, 21850), (134, 21853), (151, 21886), (156, 21898), (170, 21946), (177, 21964), (189, 22000), (193, 22015), (218, 22066), (227, 22096), (240, 22138), (250, 22162), (292, 22198), (294, 22204), (309, 22231), (315, 22249), (343, 22342), (344, 22345), (361, 22429), (398, 22567), (407, 22585), (431, 22669),

Gene: Jolie1_027 Start: 30065, Stop: 31273, Start Num: 62

Candidate Starts for Jolie1_027:

(Start: 62 @30065 has 296 MA's), (73, 30104), (92, 30146), (95, 30155), (96, 30158), (Start: 105 @30179 has 1 MA's), (122, 30224), (137, 30263), (148, 30284), (157, 30305), (158, 30308), (176, 30365), (193, 30419), (194, 30422), (196, 30428), (214, 30464), (234, 30530), (239, 30542), (240, 30545), (242, 30551), (260, 30593), (288, 30674), (297, 30698), (342, 30833), (347, 30869), (375,

30959), (389, 31019), (411, 31073), (429, 31127),

Gene: Jolie2_23 Start: 22241, Stop: 23368, Start Num: 62

Candidate Starts for Jolie2_23:

(29, 22061), (47, 22184), (Start: 62 @22241 has 296 MA's), (193, 22592), (214, 22634), (237, 22709), (272, 22781), (312, 22820), (341, 22919), (342, 22922), (343, 22925), (376, 23051), (420, 23189),

Gene: Joy99_28 Start: 23285, Stop: 24298, Start Num: 114

Candidate Starts for Joy99_28:

(15, 22841), (90, 23240), (Start: 114 @23285 has 91 MA's), (199, 23510), (240, 23627), (259, 23669), (269, 23681), (319, 23735), (341, 23813), (363, 23909), (376, 23951), (379, 23960), (409, 24074), (429, 24143),

Gene: Jubie_22 Start: 22248, Stop: 23465, Start Num: 65

Candidate Starts for Jubie_22:

(Start: 65 @22248 has 73 MA's), (103, 22350), (110, 22362), (117, 22380), (121, 22389), (133, 22428), (151, 22464), (157, 22479), (160, 22485), (167, 22515), (168, 22518), (181, 22554), (185, 22566), (204, 22617), (206, 22620), (228, 22680), (236, 22707), (242, 22722), (245, 22728), (249, 22740), (276, 22800), (288, 22824), (315, 22884), (342, 22980), (345, 23013), (369, 23085), (374, 23109), (437, 23337), (440, 23349),

Gene: KLucky39_33 Start: 32371, Stop: 33531, Start Num: 62

Candidate Starts for KLucky39_33:

(Start: 62 @32371 has 296 MA's), (Start: 105 @32482 has 1 MA's), (122, 32527), (163, 32626), (182, 32686), (193, 32722), (205, 32746), (223, 32791), (225, 32797), (241, 32848), (257, 32887), (259, 32890), (267, 32902), (280, 32917), (296, 32941), (319, 32974), (341, 33055), (348, 33100), (363, 33148), (374, 33184), (377, 33193), (379, 33199), (443, 33424),

Gene: Kabluna_48 Start: 35054, Stop: 36109, Start Num: 106

Candidate Starts for Kabluna_48:

(79, 34991), (Start: 106 @35054 has 23 MA's), (185, 35267), (248, 35450), (368, 35738), (458, 36083),

Gene: Kahve_32 Start: 32087, Stop: 33247, Start Num: 62

Candidate Starts for Kahve_32:

(Start: 62 @32087 has 296 MA's), (Start: 105 @32198 has 1 MA's), (122, 32243), (163, 32342), (182, 32402), (193, 32438), (205, 32462), (223, 32507), (225, 32513), (241, 32564), (257, 32603), (259, 32606), (267, 32618), (280, 32633), (296, 32657), (319, 32690), (341, 32771), (348, 32816), (363, 32864), (374, 32900), (377, 32909), (379, 32915), (443, 33140),

Gene: Kailash_33 Start: 32425, Stop: 33585, Start Num: 62

Candidate Starts for Kailash_33:

(Start: 62 @32425 has 296 MA's), (Start: 105 @32536 has 1 MA's), (122, 32581), (163, 32680), (182, 32740), (193, 32776), (205, 32800), (223, 32845), (225, 32851), (241, 32902), (257, 32941), (259, 32944), (267, 32956), (296, 32995), (319, 33028), (341, 33109), (363, 33202), (374, 33238), (377, 33247), (379, 33253), (443, 33478),

Gene: Kaleb_33 Start: 32811, Stop: 33974, Start Num: 62

Candidate Starts for Kaleb_33:

(35, 32664), (Start: 60 @32805 has 11 MA's), (Start: 62 @32811 has 296 MA's), (73, 32850), (85, 32880), (Start: 105 @32925 has 1 MA's), (122, 32970), (163, 33069), (182, 33129), (193, 33165), (205, 33189), (223, 33234), (225, 33240), (241, 33291), (257, 33330), (259, 33333), (267, 33345), (280, 33360), (296, 33384), (319, 33417), (341, 33498), (348, 33543), (363, 33591), (374, 33627), (377, 33636), (379, 33642), (443, 33867),

Gene: Kamiyu_33 Start: 32188, Stop: 33390, Start Num: 65

Candidate Starts for Kamiyu_33:

(Start: 65 @32188 has 73 MA's), (73, 32221), (131, 32365), (134, 32374), (138, 32383), (157, 32422), (161, 32431), (166, 32449), (170, 32467), (177, 32485), (179, 32491), (183, 32503), (189, 32521), (193, 32536), (210, 32569), (220, 32596), (233, 32641), (270, 32722), (283, 32749), (290, 32767), (297, 32785), (315, 32827), (345, 32956), (352, 32965), (372, 33046), (394, 33148), (416, 33205), (419, 33214), (429, 33253), (445, 33325), (458, 33367),

Gene: KarasumaRum_34 Start: 32734, Stop: 34239, Start Num: 19

Candidate Starts for KarasumaRum_34:

(Start: 19 @32734 has 9 MA's), (25, 32773), (37, 32845), (42, 32905), (44, 32923), (48, 32938), (132, 33190), (143, 33220), (151, 33238), (Start: 162 @33265 has 3 MA's), (168, 33292), (202, 33394), (215, 33433), (220, 33448), (245, 33523), (267, 33568), (270, 33574), (274, 33583), (315, 33679), (335, 33745), (343, 33781), (393, 33994), (432, 34105), (461, 34225),

Gene: Katniss_33 Start: 32386, Stop: 33546, Start Num: 62

Candidate Starts for Katniss_33:

(Start: 62 @32386 has 296 MA's), (Start: 105 @32497 has 1 MA's), (122, 32542), (163, 32641), (182, 32701), (193, 32737), (205, 32761), (223, 32806), (225, 32812), (241, 32863), (257, 32902), (259, 32905), (267, 32917), (280, 32932), (296, 32956), (319, 32989), (341, 33070), (348, 33115), (363, 33163), (374, 33199), (377, 33208), (379, 33214), (443, 33439),

Gene: KayaCho_27 Start: 30061, Stop: 31269, Start Num: 62

Candidate Starts for KayaCho_27:

(8, 29536), (11, 29638), (Start: 62 @30061 has 296 MA's), (73, 30100), (96, 30154), (Start: 105 @30175 has 1 MA's), (111, 30190), (122, 30220), (125, 30235), (157, 30301), (158, 30304), (176, 30361), (177, 30364), (193, 30415), (194, 30418), (196, 30424), (201, 30430), (217, 30466), (239, 30538), (240, 30541), (260, 30589), (272, 30607), (297, 30694), (342, 30829), (374, 30952), (375, 30955), (389, 31015), (411, 31069), (414, 31075), (429, 31123),

Gene: Keitherie_33 Start: 32424, Stop: 33584, Start Num: 62

Candidate Starts for Keitherie_33:

(Start: 62 @32424 has 296 MA's), (Start: 105 @32535 has 1 MA's), (122, 32580), (163, 32679), (182, 32739), (193, 32775), (205, 32799), (223, 32844), (225, 32850), (241, 32901), (257, 32940), (259, 32943), (267, 32955), (296, 32994), (319, 33027), (341, 33108), (348, 33153), (363, 33201), (374, 33237), (377, 33246), (379, 33252), (443, 33477),

Gene: Keshu_28 Start: 23942, Stop: 24964, Start Num: 116

Candidate Starts for Keshu_28:

(45, 23753), (69, 23852), (91, 23909), (Start: 116 @23942 has 61 MA's), (177, 24092), (195, 24149), (226, 24233), (234, 24263), (336, 24434), (342, 24464), (377, 24599), (399, 24692), (401, 24695), (404, 24716), (425, 24794), (443, 24863), (445, 24893),

Gene: Khan1_33 Start: 32108, Stop: 33268, Start Num: 62

Candidate Starts for Khan1_33:

(Start: 62 @32108 has 296 MA's), (Start: 105 @32219 has 1 MA's), (122, 32264), (163, 32363), (182, 32423), (193, 32459), (205, 32483), (223, 32528), (225, 32534), (241, 32585), (257, 32624), (259, 32627), (267, 32639), (280, 32654), (296, 32678), (319, 32711), (341, 32792), (348, 32837), (363, 32885), (374, 32921), (377, 32930), (379, 32936), (443, 33161),

Gene: Kheth_33 Start: 32696, Stop: 33862, Start Num: 62

Candidate Starts for Kheth_33:

(Start: 60 @32690 has 11 MA's), (Start: 62 @32696 has 296 MA's), (73, 32735), (85, 32765), (Start: 105 @32810 has 1 MA's), (122, 32855), (163, 32954), (182, 33014), (193, 33050), (205, 33074), (223, 33119), (225, 33125), (241, 33176), (257, 33215), (259, 33218), (267, 33230), (280, 33245), (296, 33269), (319, 33302), (341, 33383), (363, 33476), (374, 33512), (377, 33521), (379, 33527), (443, 33752),

Gene: KiSi_27 Start: 22512, Stop: 23480, Start Num: 116

Candidate Starts for KiSi_27:

(Start: 116 @22512 has 61 MA's), (180, 22674), (182, 22680), (189, 22701), (191, 22707), (204, 22749), (222, 22794), (234, 22836), (240, 22851), (320, 22959), (343, 23043), (426, 23319),

Gene: KidneyBean_44 Start: 35752, Stop: 36810, Start Num: 106

Candidate Starts for KidneyBean_44:

(1, 34312), (2, 34609), (4, 34840), (13, 35209), (51, 35587), (53, 35602), (57, 35620), (Start: 106 @35752 has 23 MA's), (229, 36097), (246, 36148), (287, 36196),

Gene: Kikipoo_33 Start: 32377, Stop: 33537, Start Num: 62

Candidate Starts for Kikipoo_33:

(Start: 62 @32377 has 296 MA's), (Start: 105 @32488 has 1 MA's), (122, 32533), (163, 32632), (182, 32692), (193, 32728), (205, 32752), (223, 32797), (225, 32803), (241, 32854), (257, 32893), (259, 32896), (267, 32908), (280, 32923), (296, 32947), (319, 32980), (341, 33061), (348, 33106), (363, 33154), (374, 33190), (377, 33199), (379, 33205), (443, 33430),

Gene: Kimbrough_33 Start: 32079, Stop: 33239, Start Num: 62

Candidate Starts for Kimbrough_33:

(Start: 62 @32079 has 296 MA's), (Start: 105 @32190 has 1 MA's), (122, 32235), (163, 32334), (182, 32394), (193, 32430), (205, 32454), (223, 32499), (225, 32505), (241, 32556), (257, 32595), (259, 32598), (267, 32610), (280, 32625), (296, 32649), (319, 32682), (341, 32763), (348, 32808), (363, 32856), (374, 32892), (377, 32901), (379, 32907), (443, 33132),

Gene: KingTut_24 Start: 27748, Stop: 28908, Start Num: 62

Candidate Starts for KingTut_24:

(Start: 62 @27748 has 296 MA's), (Start: 105 @27859 has 1 MA's), (122, 27904), (163, 28003), (182, 28063), (193, 28099), (205, 28123), (223, 28168), (225, 28174), (241, 28225), (257, 28264), (259, 28267), (267, 28279), (280, 28294), (296, 28318), (319, 28351), (341, 28432), (348, 28477), (363, 28525), (374, 28561), (377, 28570), (379, 28576), (443, 28801),

Gene: KingVeVeVe_33 Start: 32352, Stop: 33512, Start Num: 62

Candidate Starts for KingVeVeVe_33:

(Start: 62 @32352 has 296 MA's), (Start: 105 @32463 has 1 MA's), (122, 32508), (163, 32607), (182, 32667), (193, 32703), (205, 32727), (223, 32772), (225, 32778), (241, 32829), (257, 32868), (259, 32871), (267, 32883), (280, 32898), (296, 32922), (319, 32955), (341, 33036), (348, 33081), (363, 33129), (374, 33165), (377, 33174), (379, 33180), (443, 33405),

Gene: Kingsolomon_22 Start: 22247, Stop: 23464, Start Num: 65

Candidate Starts for Kingsolomon_22:

(Start: 65 @22247 has 73 MA's), (103, 22349), (110, 22361), (117, 22379), (121, 22388), (133, 22427), (151, 22463), (157, 22478), (160, 22484), (167, 22514), (168, 22517), (181, 22553), (185, 22565), (204, 22616), (206, 22619), (228, 22679), (236, 22706), (242, 22721), (245, 22727), (249, 22739), (276, 22799), (288, 22823), (315, 22883), (342, 22979), (345, 23012), (369, 23084), (374, 23108), (437, 23336), (440, 23348),

Gene: KirDoubleO7_20 Start: 22241, Stop: 23458, Start Num: 65

Candidate Starts for KirDoubleO7_20:

(Start: 65 @22241 has 73 MA's), (71, 22268), (103, 22343), (110, 22355), (117, 22373), (133, 22421), (151, 22457), (157, 22472), (160, 22478), (167, 22508), (185, 22559), (196, 22595), (204, 22610), (206, 22613), (245, 22721), (249, 22733), (276, 22793), (288, 22817), (315, 22877), (345, 23006), (347, 23012), (369, 23078),

Gene: KlimbOn_33 Start: 32365, Stop: 33525, Start Num: 62

Candidate Starts for KlimbOn_33:

(Start: 62 @32365 has 296 MA's), (Start: 105 @32476 has 1 MA's), (122, 32521), (163, 32620), (182, 32680), (193, 32716), (205, 32740), (223, 32785), (225, 32791), (241, 32842), (257, 32881), (259, 32884), (267, 32896), (280, 32911), (296, 32935), (319, 32968), (341, 33049), (348, 33094), (363, 33142), (374, 33178), (377, 33187), (379, 33193), (443, 33418),

Gene: Kloppinator_33 Start: 32388, Stop: 33548, Start Num: 62

Candidate Starts for Kloppinator_33:

(Start: 62 @32388 has 296 MA's), (Start: 105 @32499 has 1 MA's), (122, 32544), (163, 32643), (182, 32703), (193, 32739), (205, 32763), (223, 32808), (225, 32814), (241, 32865), (257, 32904), (259, 32907), (267, 32919), (296, 32958), (319, 32991), (341, 33072), (348, 33117), (363, 33165), (374, 33201), (377, 33210), (379, 33216), (443, 33441),

Gene: Koella_19 Start: 20229, Stop: 21383, Start Num: 88

Candidate Starts for Koella_19:

(Start: 83 @20226 has 3 MA's), (Start: 88 @20229 has 25 MA's), (120, 20310), (Start: 135 @20358 has 1 MA's), (Start: 162 @20418 has 3 MA's), (164, 20427), (167, 20442), (176, 20466), (184, 20490), (188, 20502), (215, 20577), (219, 20586), (226, 20610), (233, 20640), (285, 20724), (287, 20727), (295, 20748), (341, 20907), (360, 20997), (363, 21006), (372, 21036), (379, 21057), (458, 21360),

Gene: Kolhan_33 Start: 32690, Stop: 33853, Start Num: 62

Candidate Starts for Kolhan_33:

(35, 32543), (Start: 60 @32684 has 11 MA's), (Start: 62 @32690 has 296 MA's), (73, 32729), (85, 32759), (Start: 105 @32804 has 1 MA's), (122, 32849), (163, 32948), (182, 33008), (193, 33044), (205, 33068), (223, 33113), (225, 33119), (241, 33170), (257, 33209), (259, 33212), (267, 33224), (296, 33263), (319, 33296), (341, 33377), (363, 33470), (374, 33506), (377, 33515), (379, 33521), (443, 33746),

Gene: Kraw_30 Start: 24509, Stop: 25513, Start Num: 116

Candidate Starts for Kraw_30:

(Start: 116 @24509 has 61 MA's), (142, 24578), (183, 24677), (197, 24722), (199, 24728), (220, 24782), (223, 24791), (232, 24827), (249, 24872), (262, 24893), (267, 24899), (269, 24902), (341, 25034), (342, 25037), (372, 25160), (379, 25181), (448, 25448),

Gene: Kronus_32 Start: 32802, Stop: 34004, Start Num: 65

Candidate Starts for Kronus_32:

(Start: 65 @32802 has 73 MA's), (73, 32835), (131, 32979), (134, 32988), (138, 32997), (157, 33036), (161, 33045), (166, 33063), (170, 33081), (177, 33099), (179, 33105), (183, 33117), (189, 33135), (193, 33150), (210, 33183), (220, 33210), (233, 33255), (270, 33336), (283, 33363), (290, 33381), (297, 33399), (315, 33441), (322, 33465), (343, 33540), (345, 33570), (363, 33630), (368, 33642), (372, 33660), (393, 33759), (394, 33762), (429, 33867), (432, 33873), (435, 33891), (457, 33978),

Gene: Krueger_28 Start: 22638, Stop: 23633, Start Num: 116

Candidate Starts for Krueger_28:

(69, 22548), (Start: 116 @22638 has 61 MA's), (160, 22737), (Start: 162 @22743 has 3 MA's), (214, 22893), (240, 22974), (249, 22998), (341, 23160), (342, 23163), (360, 23247), (374, 23292), (451,

23571), (454, 23592), (458, 23610),

Gene: Krypton555_22 Start: 22170, Stop: 23369, Start Num: 65

Candidate Starts for Krypton555_22:

(Start: 65 @22170 has 73 MA's), (103, 22272), (110, 22284), (117, 22302), (133, 22350), (155, 22395), (157, 22401), (167, 22437), (181, 22476), (183, 22482), (185, 22488), (201, 22530), (228, 22602), (245, 22650), (249, 22662), (252, 22668), (315, 22806), (331, 22851), (341, 22899), (345, 22935), (361, 22989), (369, 23007), (373, 23028), (415, 23178), (424, 23199), (449, 23307),

Gene: Kurt_44 Start: 35989, Stop: 37047, Start Num: 106

Candidate Starts for Kurt_44:

(1, 34549), (2, 34846), (4, 35077), (13, 35446), (51, 35824), (53, 35839), (57, 35857), (Start: 106 @35989 has 23 MA's), (229, 36334), (246, 36385), (287, 36433),

Gene: Kwadwo_32 Start: 32069, Stop: 33229, Start Num: 62

Candidate Starts for Kwadwo_32:

(Start: 62 @32069 has 296 MA's), (Start: 105 @32180 has 1 MA's), (122, 32225), (163, 32324), (182, 32384), (193, 32420), (205, 32444), (223, 32489), (225, 32495), (241, 32546), (257, 32585), (259, 32588), (267, 32600), (280, 32615), (296, 32639), (319, 32672), (341, 32753), (348, 32798), (363, 32846), (374, 32882), (377, 32891), (379, 32897), (443, 33122),

Gene: Kwksand96_32 Start: 31938, Stop: 33098, Start Num: 62

Candidate Starts for Kwksand96_32:

(Start: 62 @31938 has 296 MA's), (Start: 105 @32049 has 1 MA's), (122, 32094), (163, 32193), (182, 32253), (193, 32289), (205, 32313), (223, 32358), (225, 32364), (241, 32415), (257, 32454), (259, 32457), (267, 32469), (280, 32484), (296, 32508), (319, 32541), (341, 32622), (348, 32667), (363, 32715), (374, 32751), (377, 32760), (379, 32766), (443, 32991),

Gene: Labeouficaum_32 Start: 31933, Stop: 33093, Start Num: 62

Candidate Starts for Labeouficaum_32:

(Start: 62 @31933 has 296 MA's), (Start: 105 @32044 has 1 MA's), (122, 32089), (163, 32188), (182, 32248), (193, 32284), (205, 32308), (223, 32353), (225, 32359), (241, 32410), (257, 32449), (259, 32452), (267, 32464), (280, 32479), (296, 32503), (319, 32536), (341, 32617), (348, 32662), (363, 32710), (374, 32746), (377, 32755), (379, 32761), (443, 32986),

Gene: Lambano_29 Start: 31590, Stop: 32747, Start Num: 66

Candidate Starts for Lambano_29:

(Start: 66 @31590 has 25 MA's), (99, 31683), (Start: 105 @31698 has 1 MA's), (111, 31713), (117, 31725), (122, 31743), (161, 31833), (176, 31884), (179, 31893), (181, 31899), (185, 31911), (193, 31938), (206, 31953), (210, 31959), (212, 31965), (226, 31998), (228, 32007), (239, 32040), (264, 32073), (302, 32163), (315, 32169), (342, 32268), (343, 32271), (379, 32415), (420, 32568),

Gene: Lars_33 Start: 32801, Stop: 33964, Start Num: 62

Candidate Starts for Lars_33:

(35, 32654), (Start: 60 @32795 has 11 MA's), (Start: 62 @32801 has 296 MA's), (73, 32840), (85, 32870), (Start: 105 @32915 has 1 MA's), (122, 32960), (163, 33059), (182, 33119), (193, 33155), (205, 33179), (223, 33224), (225, 33230), (241, 33281), (257, 33320), (259, 33323), (267, 33335), (280, 33350), (296, 33374), (319, 33407), (341, 33488), (363, 33581), (374, 33617), (377, 33626), (379, 33632), (390, 33692), (443, 33857),

Gene: LasagnaCat_33 Start: 32371, Stop: 33531, Start Num: 62

Candidate Starts for LasagnaCat_33:

(Start: 62 @32371 has 296 MA's), (Start: 105 @32482 has 1 MA's), (122, 32527), (163, 32626), (182, 32686), (193, 32722), (205, 32746), (223, 32791), (225, 32797), (241, 32848), (257, 32887), (259, 32890), (267, 32902), (296, 32941), (319, 32974), (341, 33055), (363, 33148), (374, 33184), (377, 33193), (379, 33199), (443, 33424),

Gene: Lasso_33 Start: 32344, Stop: 33504, Start Num: 62

Candidate Starts for Lasso_33:

(Start: 62 @32344 has 296 MA's), (Start: 105 @32455 has 1 MA's), (122, 32500), (163, 32599), (182, 32659), (193, 32695), (205, 32719), (223, 32764), (225, 32770), (241, 32821), (257, 32860), (259, 32863), (267, 32875), (280, 32890), (296, 32914), (319, 32947), (341, 33028), (348, 33073), (363, 33121), (374, 33157), (377, 33166), (379, 33172), (443, 33397),

Gene: LastHope_28 Start: 22491, Stop: 23498, Start Num: 116

Candidate Starts for LastHope_28:

(Start: 116 @22491 has 61 MA's), (199, 22710), (207, 22731), (227, 22785), (240, 22827), (272, 22887), (319, 22935), (335, 22983), (341, 23013), (363, 23109), (368, 23121), (379, 23160), (426, 23331), (429, 23343),

Gene: LastJedi_19 Start: 20260, Stop: 21414, Start Num: 88

Candidate Starts for LastJedi_19:

(Start: 83 @20257 has 3 MA's), (Start: 88 @20260 has 25 MA's), (120, 20341), (Start: 135 @20389 has 1 MA's), (Start: 162 @20449 has 3 MA's), (164, 20458), (167, 20473), (176, 20497), (184, 20521), (188, 20533), (215, 20608), (219, 20617), (226, 20641), (233, 20671), (285, 20755), (287, 20758), (295, 20779), (341, 20938), (360, 21028), (363, 21037), (372, 21067), (379, 21088), (458, 21391),

Gene: LaterM_28 Start: 23256, Stop: 24269, Start Num: 114

Candidate Starts for LaterM_28:

(Start: 114 @23256 has 91 MA's), (Start: 162 @23367 has 3 MA's), (199, 23481), (240, 23598), (259, 23640), (269, 23652), (319, 23706), (341, 23784), (363, 23880), (368, 23892), (379, 23931), (396, 24012), (409, 24045), (429, 24114), (452, 24210),

Gene: Laurie_33 Start: 32132, Stop: 33340, Start Num: 59

Candidate Starts for Laurie_33:

(Start: 58 @32129 has 2 MA's), (Start: 59 @32132 has 7 MA's), (85, 32201), (117, 32270), (124, 32300), (131, 32312), (133, 32318), (134, 32321), (138, 32330), (157, 32369), (161, 32378), (164, 32390), (182, 32447), (185, 32456), (189, 32468), (191, 32474), (193, 32483), (215, 32528), (220, 32543), (233, 32588), (262, 32657), (272, 32672), (279, 32684), (288, 32708), (306, 32756), (309, 32762), (315, 32774), (322, 32798), (343, 32873), (345, 32903), (363, 32963), (368, 32975), (372, 32993), (393, 33092), (394, 33095), (429, 33200), (432, 33206), (445, 33272), (447, 33275),

Gene: LeBron_21 Start: 21711, Stop: 22886, Start Num: 64

Candidate Starts for LeBron_21:

(Start: 64 @21711 has 5 MA's), (Start: 65 @21714 has 73 MA's), (Start: 113 @21840 has 1 MA's), (128, 21882), (133, 21894), (134, 21897), (151, 21930), (156, 21942), (170, 21990), (177, 22008), (189, 22044), (193, 22059), (218, 22110), (227, 22140), (240, 22182), (250, 22206), (292, 22242), (294, 22248), (309, 22275), (315, 22293), (343, 22386), (344, 22389), (361, 22473), (398, 22611), (407, 22629), (431, 22713),

Gene: LeMond_27 Start: 22583, Stop: 23551, Start Num: 116

Candidate Starts for LeMond_27:

(Start: 116 @22583 has 61 MA's), (170, 22718), (180, 22745), (182, 22751), (189, 22772), (191, 22778), (204, 22820), (222, 22865), (234, 22907), (240, 22922), (320, 23030), (343, 23114), (426, 23390),

Gene: Lea83_29 Start: 23930, Stop: 24949, Start Num: 116

Candidate Starts for Lea83_29:

(20, 23549), (21, 23561), (27, 23597), (30, 23621), (45, 23741), (69, 23840), (91, 23897), (Start: 116 @23930 has 61 MA's), (125, 23963), (170, 24062), (173, 24068), (177, 24080), (195, 24137), (197, 24143), (220, 24203), (240, 24266), (244, 24275), (261, 24311), (285, 24332), (291, 24344), (323, 24383), (341, 24452), (364, 24551), (379, 24599), (385, 24635), (403, 24698), (418, 24740), (429, 24788), (441, 24830), (458, 24926),

Gene: Lebo14_30 Start: 24599, Stop: 25603, Start Num: 116

Candidate Starts for Lebo14_30:

(Start: 116 @24599 has 61 MA's), (183, 24767), (187, 24779), (197, 24812), (199, 24818), (220, 24872), (223, 24881), (249, 24962), (262, 24983), (267, 24989), (269, 24992), (341, 25124), (342, 25127), (372, 25250),

Gene: LeeLot_33 Start: 32375, Stop: 33535, Start Num: 62

Candidate Starts for LeeLot_33:

(Start: 62 @32375 has 296 MA's), (Start: 105 @32486 has 1 MA's), (122, 32531), (163, 32630), (182, 32690), (193, 32726), (205, 32750), (223, 32795), (225, 32801), (241, 32852), (257, 32891), (259, 32894), (267, 32906), (296, 32945), (319, 32978), (341, 33059), (348, 33104), (363, 33152), (374, 33188), (377, 33197), (379, 33203), (443, 33428),

Gene: Lego3393_33 Start: 32380, Stop: 33540, Start Num: 62

Candidate Starts for Lego3393_33:

(Start: 62 @32380 has 296 MA's), (Start: 105 @32491 has 1 MA's), (122, 32536), (163, 32635), (182, 32695), (193, 32731), (205, 32755), (223, 32800), (225, 32806), (241, 32857), (257, 32896), (259, 32899), (267, 32911), (280, 32926), (296, 32950), (319, 32983), (341, 33064), (348, 33109), (363, 33157), (374, 33193), (377, 33202), (379, 33208), (443, 33433),

Gene: Legolas_32 Start: 32085, Stop: 33245, Start Num: 62

Candidate Starts for Legolas_32:

(Start: 62 @32085 has 296 MA's), (Start: 105 @32196 has 1 MA's), (122, 32241), (163, 32340), (182, 32400), (193, 32436), (205, 32460), (223, 32505), (225, 32511), (241, 32562), (257, 32601), (259, 32604), (267, 32616), (296, 32655), (319, 32688), (341, 32769), (348, 32814), (363, 32862), (374, 32898), (377, 32907), (379, 32913), (443, 33138),

Gene: LeiMonet_33 Start: 32076, Stop: 33236, Start Num: 62

Candidate Starts for LeiMonet_33:

(Start: 62 @32076 has 296 MA's), (Start: 105 @32187 has 1 MA's), (122, 32232), (163, 32331), (182, 32391), (193, 32427), (205, 32451), (223, 32496), (225, 32502), (241, 32553), (257, 32592), (259, 32595), (267, 32607), (280, 32622), (296, 32646), (319, 32679), (341, 32760), (348, 32805), (363, 32853), (374, 32889), (377, 32898), (379, 32904), (443, 33129),

Gene: LemonSlice_33 Start: 32072, Stop: 33232, Start Num: 62

Candidate Starts for LemonSlice_33:

(Start: 62 @32072 has 296 MA's), (Start: 105 @32183 has 1 MA's), (122, 32228), (163, 32327), (182, 32387), (193, 32423), (205, 32447), (223, 32492), (225, 32498), (241, 32549), (257, 32588), (259, 32591), (267, 32603), (280, 32618), (296, 32642), (319, 32675), (341, 32756), (348, 32801), (363, 32849), (374, 32885), (377, 32894), (379, 32900), (443, 33125),

Gene: Leopard_42 Start: 33163, Stop: 34302, Start Num: 77

Candidate Starts for Leopard_42:

(Start: 76 @33160 has 1 MA's), (Start: 77 @33163 has 3 MA's), (86, 33184), (Start: 101 @33220 has 6 MA's), (142, 33334), (144, 33337), (165, 33391), (172, 33418), (211, 33523), (216, 33532), (238, 33604), (258, 33655), (263, 33664), (289, 33685), (316, 33721), (362, 33907), (375, 33949), (376, 33952), (382, 33976), (396, 34042),

Gene: Lephleur_33 Start: 32688, Stop: 33857, Start Num: 60

Candidate Starts for Lephleur_33:

(35, 32547), (Start: 60 @32688 has 11 MA's), (Start: 62 @32694 has 296 MA's), (73, 32733), (85, 32763), (Start: 105 @32808 has 1 MA's), (122, 32853), (163, 32952), (182, 33012), (193, 33048), (205, 33072), (223, 33117), (225, 33123), (241, 33174), (257, 33213), (259, 33216), (267, 33228), (280, 33243), (296, 33267), (319, 33300), (341, 33381), (363, 33474), (374, 33510), (377, 33519), (379, 33525), (443, 33750),

Gene: LestyG_33 Start: 32223, Stop: 33425, Start Num: 65

Candidate Starts for LestyG_33:

(Start: 65 @32223 has 73 MA's), (73, 32256), (131, 32400), (134, 32409), (138, 32418), (157, 32457), (161, 32466), (166, 32484), (170, 32502), (177, 32520), (179, 32526), (183, 32538), (189, 32556), (193, 32571), (210, 32604), (220, 32631), (233, 32676), (270, 32757), (283, 32784), (290, 32802), (297, 32820), (315, 32862), (322, 32886), (343, 32961), (345, 32991), (363, 33051), (368, 33063), (372, 33081), (394, 33183), (429, 33288), (432, 33294), (435, 33312), (457, 33399),

Gene: LilMcDreamy_28 Start: 31675, Stop: 32907, Start Num: 62

Candidate Starts for LilMcDreamy_28:

(5, 30913), (6, 30922), (7, 31042), (11, 31252), (Start: 62 @31675 has 296 MA's), (73, 31714), (75, 31720), (Start: 105 @31792 has 1 MA's), (148, 31897), (157, 31918), (176, 31978), (194, 32035), (214, 32077), (222, 32101), (240, 32158), (257, 32200), (272, 32224), (278, 32251), (297, 32329), (341, 32464), (343, 32470), (375, 32593), (389, 32653), (395, 32671), (411, 32707), (414, 32713), (424, 32737), (429, 32761),

Gene: LilPharaoh_24 Start: 22900, Stop: 23907, Start Num: 116

Candidate Starts for LilPharaoh_24:

(89, 22849), (94, 22861), (Start: 116 @22900 has 61 MA's), (140, 22960), (170, 23032), (189, 23086), (195, 23107), (240, 23236), (262, 23281), (264, 23284), (318, 23341), (319, 23344), (334, 23389), (342, 23425), (363, 23521), (368, 23533), (402, 23653), (439, 23785),

Gene: LilSmirk_33 Start: 32688, Stop: 33851, Start Num: 62

Candidate Starts for LilSmirk_33:

(35, 32541), (Start: 60 @32682 has 11 MA's), (Start: 62 @32688 has 296 MA's), (73, 32727), (85, 32757), (Start: 105 @32802 has 1 MA's), (122, 32847), (163, 32946), (182, 33006), (193, 33042), (205, 33066), (223, 33111), (225, 33117), (241, 33168), (257, 33207), (259, 33210), (267, 33222), (280, 33237), (296, 33261), (319, 33294), (341, 33375), (363, 33468), (374, 33504), (377, 33513), (379, 33519), (443, 33744),

Gene: LindNT_28 Start: 23290, Stop: 24303, Start Num: 114

Candidate Starts for LindNT_28:

(90, 23245), (Start: 114 @23290 has 91 MA's), (Start: 162 @23401 has 3 MA's), (199, 23515), (240, 23632), (259, 23674), (269, 23686), (319, 23740), (341, 23818), (359, 23902), (363, 23914), (368, 23926), (379, 23965), (452, 24244),

Gene: LiyuLake_22 Start: 22229, Stop: 23428, Start Num: 65

Candidate Starts for LiyuLake_22:

(Start: 65 @22229 has 73 MA's), (103, 22331), (117, 22361), (121, 22370), (133, 22409), (138, 22421), (157, 22460), (167, 22496), (170, 22505), (183, 22541), (201, 22589), (249, 22721), (252, 22727),

(282, 22796), (305, 22841), (315, 22865), (341, 22958), (345, 22994), (361, 23048), (369, 23066),
(424, 23258), (449, 23366),

Gene: LizLemon_33 Start: 32810, Stop: 33973, Start Num: 62

Candidate Starts for LizLemon_33:

(35, 32663), (Start: 60 @32804 has 11 MA's), (Start: 62 @32810 has 296 MA's), (73, 32849), (85, 32879), (Start: 105 @32924 has 1 MA's), (122, 32969), (163, 33068), (182, 33128), (193, 33164), (205, 33188), (223, 33233), (225, 33239), (241, 33290), (257, 33329), (259, 33332), (267, 33344), (280, 33359), (296, 33383), (319, 33416), (341, 33497), (348, 33542), (363, 33590), (374, 33626), (377, 33635), (379, 33641), (443, 33866),

Gene: Llorens_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Llorens_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Lolalove_30 Start: 32616, Stop: 33773, Start Num: 66

Candidate Starts for Lolalove_30:

(Start: 66 @32616 has 25 MA's), (99, 32709), (Start: 105 @32724 has 1 MA's), (111, 32739), (117, 32751), (122, 32769), (176, 32910), (179, 32919), (185, 32937), (193, 32964), (206, 32979), (210, 32985), (212, 32991), (215, 32997), (226, 33024), (228, 33033), (239, 33066), (264, 33099), (290, 33153), (292, 33159), (302, 33189), (315, 33195), (321, 33216), (330, 33240), (342, 33294), (343, 33297), (379, 33441), (420, 33594),

Gene: Lollipop1437_50 Start: 36962, Stop: 38023, Start Num: 106

Candidate Starts for Lollipop1437_50:

(Start: 106 @36962 has 23 MA's), (175, 37148), (238, 37334), (239, 37337), (343, 37547),

Gene: Lolly9_22 Start: 22045, Stop: 23244, Start Num: 65

Candidate Starts for Lolly9_22:

(Start: 65 @22045 has 73 MA's), (71, 22072), (110, 22159), (117, 22177), (121, 22186), (133, 22225), (157, 22276), (158, 22279), (170, 22321), (181, 22351), (183, 22357), (185, 22363), (201, 22405), (245, 22525), (249, 22537), (252, 22543), (315, 22681), (341, 22774), (345, 22810), (361, 22864), (369, 22882), (424, 23074), (449, 23182),

Gene: Longacauda_32 Start: 32077, Stop: 33237, Start Num: 62

Candidate Starts for Longacauda_32:

(Start: 62 @32077 has 296 MA's), (Start: 105 @32188 has 1 MA's), (122, 32233), (163, 32332), (182, 32392), (193, 32428), (205, 32452), (223, 32497), (225, 32503), (241, 32554), (257, 32593), (259, 32596), (267, 32608), (280, 32623), (296, 32647), (319, 32680), (341, 32761), (348, 32806), (363, 32854), (374, 32890), (377, 32899), (379, 32905), (443, 33130),

Gene: Lopsy_32 Start: 31927, Stop: 33087, Start Num: 62

Candidate Starts for Lopsy_32:

(Start: 62 @31927 has 296 MA's), (Start: 105 @32038 has 1 MA's), (122, 32083), (163, 32182), (182, 32242), (193, 32278), (205, 32302), (223, 32347), (225, 32353), (241, 32404), (257, 32443), (259, 32446), (267, 32458), (296, 32497), (319, 32530), (341, 32611), (348, 32656), (363, 32704), (374, 32740), (377, 32749), (379, 32755), (443, 32980),

Gene: LostAndPhound_32 Start: 32078, Stop: 33238, Start Num: 62

Candidate Starts for LostAndPhound_32:

(Start: 62 @32078 has 296 MA's), (Start: 105 @32189 has 1 MA's), (122, 32234), (163, 32333), (182, 32393), (193, 32429), (205, 32453), (223, 32498), (225, 32504), (241, 32555), (257, 32594), (259, 32597), (267, 32609), (296, 32648), (319, 32681), (341, 32762), (363, 32855), (374, 32891), (377, 32900), (379, 32906), (443, 33131),

Gene: LuckyMarjie_32 Start: 32087, Stop: 33247, Start Num: 62

Candidate Starts for LuckyMarjie_32:

(Start: 62 @32087 has 296 MA's), (Start: 105 @32198 has 1 MA's), (122, 32243), (163, 32342), (182, 32402), (193, 32438), (205, 32462), (223, 32507), (225, 32513), (241, 32564), (257, 32603), (259, 32606), (267, 32618), (280, 32633), (296, 32657), (319, 32690), (341, 32771), (348, 32816), (363, 32864), (374, 32900), (377, 32909), (379, 32915), (443, 33140),

Gene: Lulumae_32 Start: 32069, Stop: 33229, Start Num: 62

Candidate Starts for Lulumae_32:

(Start: 62 @32069 has 296 MA's), (Start: 105 @32180 has 1 MA's), (122, 32225), (163, 32324), (182, 32384), (193, 32420), (205, 32444), (223, 32489), (225, 32495), (241, 32546), (257, 32585), (259, 32588), (267, 32600), (280, 32615), (296, 32639), (319, 32672), (341, 32753), (348, 32798), (363, 32846), (374, 32882), (377, 32891), (379, 32897), (443, 33122),

Gene: Lulwa_33 Start: 32356, Stop: 33516, Start Num: 62

Candidate Starts for Lulwa_33:

(Start: 62 @32356 has 296 MA's), (Start: 105 @32467 has 1 MA's), (122, 32512), (163, 32611), (182, 32671), (193, 32707), (205, 32731), (223, 32776), (225, 32782), (241, 32833), (257, 32872), (259, 32875), (267, 32887), (280, 32902), (296, 32926), (319, 32959), (341, 33040), (348, 33085), (363, 33133), (374, 33169), (377, 33178), (379, 33184), (443, 33409),

Gene: Lumine_32 Start: 32065, Stop: 33225, Start Num: 62

Candidate Starts for Lumine_32:

(Start: 62 @32065 has 296 MA's), (Start: 105 @32176 has 1 MA's), (122, 32221), (163, 32320), (182, 32380), (193, 32416), (205, 32440), (223, 32485), (225, 32491), (241, 32542), (257, 32581), (259, 32584), (267, 32596), (280, 32611), (296, 32635), (319, 32668), (341, 32749), (348, 32794), (363, 32842), (374, 32878), (377, 32887), (379, 32893), (443, 33118),

Gene: Lumos_22 Start: 22244, Stop: 23461, Start Num: 65

Candidate Starts for Lumos_22:

(Start: 65 @22244 has 73 MA's), (103, 22346), (110, 22358), (117, 22376), (121, 22385), (133, 22424), (151, 22460), (157, 22475), (160, 22481), (167, 22511), (168, 22514), (181, 22550), (185, 22562), (204, 22613), (206, 22616), (228, 22676), (236, 22703), (242, 22718), (245, 22724), (249, 22736), (276, 22796), (288, 22820), (315, 22880), (342, 22976), (345, 23009), (369, 23081), (374, 23105), (437, 23333), (440, 23345),

Gene: Lunahalos_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Lunahalos_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: MAckerman_21 Start: 21688, Stop: 22860, Start Num: 65

Candidate Starts for MAckerman_21:

(Start: 64 @21685 has 5 MA's), (Start: 65 @21688 has 73 MA's), (Start: 113 @21814 has 1 MA's), (128, 21856), (133, 21868), (134, 21871), (151, 21904), (156, 21916), (170, 21964), (177, 21982), (189, 22018), (193, 22033), (218, 22084), (227, 22114), (240, 22156), (250, 22180), (292, 22216), (294, 22222), (309, 22249), (315, 22267), (343, 22360), (344, 22363), (361, 22447), (398, 22585),

(407, 22603), (431, 22687),

Gene: MRabcd_32 Start: 32069, Stop: 33229, Start Num: 62

Candidate Starts for MRabcd_32:

(Start: 62 @32069 has 296 MA's), (Start: 105 @32180 has 1 MA's), (122, 32225), (163, 32324), (182, 32384), (193, 32420), (205, 32444), (223, 32489), (225, 32495), (241, 32546), (257, 32585), (259, 32588), (267, 32600), (280, 32615), (296, 32639), (319, 32672), (341, 32753), (348, 32798), (363, 32846), (374, 32882), (377, 32891), (379, 32897), (443, 33122),

Gene: MacnCheese_29 Start: 24319, Stop: 25308, Start Num: 116

Candidate Starts for MacnCheese_29:

(69, 24199), (91, 24256), (Start: 116 @24319 has 61 MA's), (125, 24352), (170, 24448), (173, 24454), (196, 24526), (249, 24676), (261, 24697), (289, 24724), (342, 24841), (359, 24919), (363, 24931), (364, 24934), (444, 25231),

Gene: Mag7_32 Start: 31975, Stop: 33135, Start Num: 62

Candidate Starts for Mag7_32:

(Start: 62 @31975 has 296 MA's), (Start: 105 @32086 has 1 MA's), (122, 32131), (163, 32230), (182, 32290), (193, 32326), (205, 32350), (223, 32395), (225, 32401), (241, 32452), (257, 32491), (259, 32494), (267, 32506), (296, 32545), (319, 32578), (341, 32659), (363, 32752), (374, 32788), (377, 32797), (379, 32803), (443, 33028),

Gene: Magic8_33 Start: 32410, Stop: 33570, Start Num: 62

Candidate Starts for Magic8_33:

(Start: 62 @32410 has 296 MA's), (Start: 105 @32521 has 1 MA's), (122, 32566), (163, 32665), (182, 32725), (193, 32761), (205, 32785), (223, 32830), (225, 32836), (241, 32887), (257, 32926), (259, 32929), (267, 32941), (280, 32956), (296, 32980), (319, 33013), (341, 33094), (348, 33139), (363, 33187), (374, 33223), (377, 33232), (379, 33238), (443, 33463),

Gene: Magpie_29 Start: 32448, Stop: 33605, Start Num: 66

Candidate Starts for Magpie_29:

(Start: 66 @32448 has 25 MA's), (99, 32541), (Start: 105 @32556 has 1 MA's), (111, 32571), (117, 32583), (122, 32601), (161, 32691), (176, 32742), (179, 32751), (181, 32757), (185, 32769), (193, 32796), (206, 32811), (210, 32817), (212, 32823), (226, 32856), (228, 32865), (239, 32898), (264, 32931), (302, 33021), (315, 33027), (342, 33126), (343, 33129), (379, 33273), (420, 33426),

Gene: Malthus_30 Start: 24509, Stop: 25513, Start Num: 116

Candidate Starts for Malthus_30:

(Start: 116 @24509 has 61 MA's), (142, 24578), (183, 24677), (197, 24722), (199, 24728), (220, 24782), (223, 24791), (232, 24827), (249, 24872), (262, 24893), (267, 24899), (269, 24902), (341, 25034), (342, 25037), (372, 25160), (379, 25181), (426, 25352), (448, 25448),

Gene: Mana_32 Start: 32084, Stop: 33244, Start Num: 62

Candidate Starts for Mana_32:

(Start: 62 @32084 has 296 MA's), (Start: 105 @32195 has 1 MA's), (122, 32240), (163, 32339), (182, 32399), (193, 32435), (205, 32459), (223, 32504), (225, 32510), (241, 32561), (257, 32600), (259, 32603), (267, 32615), (280, 32630), (296, 32654), (319, 32687), (341, 32768), (348, 32813), (363, 32861), (374, 32897), (377, 32906), (379, 32912), (443, 33137),

Gene: Manad_32 Start: 31926, Stop: 33086, Start Num: 62

Candidate Starts for Manad_32:

(Start: 62 @31926 has 296 MA's), (Start: 105 @32037 has 1 MA's), (122, 32082), (163, 32181), (182, 32241), (193, 32277), (205, 32301), (223, 32346), (225, 32352), (241, 32403), (257, 32442), (259,

32445), (267, 32457), (296, 32496), (319, 32529), (341, 32610), (348, 32655), (363, 32703), (374, 32739), (377, 32748), (379, 32754), (443, 32979),

Gene: Mao1_27 Start: 28750, Stop: 29910, Start Num: 62

Candidate Starts for Mao1_27:

(Start: 62 @28750 has 296 MA's), (72, 28786), (85, 28819), (Start: 105 @28864 has 1 MA's), (122, 28909), (123, 28912), (193, 29104), (205, 29128), (208, 29134), (225, 29179), (226, 29182), (241, 29230), (272, 29293), (273, 29296), (299, 29329), (335, 29404), (341, 29434), (372, 29557), (375, 29566), (377, 29572), (460, 29893),

Gene: Marcoliusprime_25 Start: 21282, Stop: 22277, Start Num: 116

Candidate Starts for Marcoliusprime_25:

(45, 21099), (69, 21198), (Start: 116 @21282 has 61 MA's), (149, 21363), (160, 21387), (180, 21447), (197, 21501), (199, 21507), (234, 21609), (235, 21612), (256, 21660), (259, 21666), (293, 21708), (319, 21732), (343, 21816), (361, 21900), (379, 21957), (456, 22254),

Gene: MarkPhew_28 Start: 22462, Stop: 23448, Start Num: 116

Candidate Starts for MarkPhew_28:

(Start: 116 @22462 has 61 MA's), (161, 22567), (182, 22630), (189, 22651), (191, 22657), (195, 22672), (204, 22699), (227, 22759), (234, 22786), (298, 22891), (342, 22990), (360, 23074), (372, 23113), (423, 23263), (437, 23317), (441, 23332),

Gene: Marley1013_33 Start: 33001, Stop: 34203, Start Num: 65

Candidate Starts for Marley1013_33:

(Start: 65 @33001 has 73 MA's), (73, 33034), (131, 33178), (134, 33187), (138, 33196), (157, 33235), (161, 33244), (166, 33262), (170, 33280), (177, 33298), (179, 33304), (183, 33316), (189, 33334), (193, 33349), (210, 33382), (220, 33409), (233, 33454), (270, 33535), (283, 33562), (290, 33580), (297, 33598), (315, 33640), (322, 33664), (343, 33739), (345, 33769), (363, 33829), (368, 33841), (372, 33859), (394, 33961), (429, 34066), (432, 34072), (435, 34090), (457, 34177),

Gene: Marlia_33 Start: 32203, Stop: 33405, Start Num: 65

Candidate Starts for Marlia_33:

(Start: 65 @32203 has 73 MA's), (73, 32236), (131, 32380), (134, 32389), (138, 32398), (157, 32437), (161, 32446), (166, 32464), (170, 32482), (177, 32500), (179, 32506), (183, 32518), (189, 32536), (193, 32551), (210, 32584), (220, 32611), (233, 32656), (270, 32737), (283, 32764), (290, 32782), (297, 32800), (315, 32842), (345, 32971), (372, 33061), (394, 33163), (416, 33220), (419, 33229), (429, 33268), (445, 33340), (458, 33382),

Gene: Marshawn_29 Start: 23145, Stop: 24104, Start Num: 116

Candidate Starts for Marshawn_29:

(Start: 116 @23145 has 61 MA's), (124, 23175), (178, 23301), (183, 23316), (195, 23355), (204, 23382), (236, 23475), (240, 23484), (259, 23526), (320, 23592), (341, 23670), (342, 23673), (364, 23766), (398, 23874), (411, 23910),

Gene: Maru_32 Start: 32027, Stop: 33187, Start Num: 62

Candidate Starts for Maru_32:

(Start: 62 @32027 has 296 MA's), (Start: 105 @32138 has 1 MA's), (122, 32183), (163, 32282), (182, 32342), (193, 32378), (205, 32402), (223, 32447), (225, 32453), (241, 32504), (257, 32543), (259, 32546), (267, 32558), (280, 32573), (296, 32597), (319, 32630), (341, 32711), (348, 32756), (363, 32804), (374, 32840), (377, 32849), (379, 32855), (443, 33080),

Gene: Mask_28 Start: 28743, Stop: 29903, Start Num: 62

Candidate Starts for Mask_28:

(Start: 62 @28743 has 296 MA's), (72, 28779), (85, 28812), (Start: 105 @28857 has 1 MA's), (122, 28902), (123, 28905), (193, 29097), (205, 29121), (208, 29127), (221, 29160), (223, 29166), (225, 29172), (226, 29175), (241, 29223), (272, 29286), (273, 29289), (299, 29322), (335, 29397), (341, 29427), (372, 29550), (375, 29559), (377, 29565),

Gene: Maskar_32 Start: 31924, Stop: 33084, Start Num: 62

Candidate Starts for Maskar_32:

(Start: 62 @31924 has 296 MA's), (Start: 105 @32035 has 1 MA's), (122, 32080), (163, 32179), (182, 32239), (193, 32275), (205, 32299), (223, 32344), (225, 32350), (241, 32401), (257, 32440), (259, 32443), (267, 32455), (280, 32470), (296, 32494), (319, 32527), (341, 32608), (348, 32653), (363, 32701), (374, 32737), (377, 32746), (379, 32752), (443, 32977),

Gene: MasterPo_33 Start: 32691, Stop: 33860, Start Num: 60

Candidate Starts for MasterPo_33:

(Start: 60 @32691 has 11 MA's), (Start: 62 @32697 has 296 MA's), (73, 32736), (85, 32766), (Start: 105 @32811 has 1 MA's), (122, 32856), (163, 32955), (182, 33015), (193, 33051), (205, 33075), (223, 33120), (225, 33126), (241, 33177), (257, 33216), (259, 33219), (267, 33231), (280, 33246), (296, 33270), (319, 33303), (341, 33384), (348, 33429), (363, 33477), (374, 33513), (377, 33522), (379, 33528), (443, 33753),

Gene: Matalotodo_33 Start: 32370, Stop: 33530, Start Num: 62

Candidate Starts for Matalotodo_33:

(Start: 62 @32370 has 296 MA's), (Start: 105 @32481 has 1 MA's), (122, 32526), (163, 32625), (182, 32685), (193, 32721), (205, 32745), (223, 32790), (225, 32796), (241, 32847), (257, 32886), (259, 32889), (267, 32901), (280, 32916), (296, 32940), (319, 32973), (341, 33054), (348, 33099), (363, 33147), (374, 33183), (377, 33192), (379, 33198), (443, 33423),

Gene: McMater_28 Start: 22728, Stop: 23693, Start Num: 114

Candidate Starts for McMater_28:

(Start: 114 @22728 has 91 MA's), (118, 22734), (177, 22887), (183, 22905), (189, 22923), (199, 22956), (217, 22998), (234, 23058), (240, 23073), (341, 23259), (342, 23262), (358, 23334), (379, 23403), (391, 23451), (400, 23466), (411, 23499), (425, 23538), (452, 23637),

Gene: Mcshane_32 Start: 32067, Stop: 33227, Start Num: 62

Candidate Starts for Mcshane_32:

(Start: 62 @32067 has 296 MA's), (Start: 105 @32178 has 1 MA's), (122, 32223), (163, 32322), (182, 32382), (193, 32418), (205, 32442), (223, 32487), (225, 32493), (241, 32544), (257, 32583), (259, 32586), (267, 32598), (280, 32613), (296, 32637), (319, 32670), (341, 32751), (348, 32796), (363, 32844), (374, 32880), (377, 32889), (379, 32895), (443, 33120),

Gene: Mdavu_24 Start: 22888, Stop: 23895, Start Num: 116

Candidate Starts for Mdavu_24:

(89, 22837), (94, 22849), (Start: 116 @22888 has 61 MA's), (140, 22948), (170, 23020), (189, 23074), (195, 23095), (240, 23224), (262, 23269), (264, 23272), (318, 23329), (319, 23332), (334, 23377), (342, 23413), (363, 23509), (368, 23521), (402, 23641), (439, 23773),

Gene: MeaningOfLife_28 Start: 23292, Stop: 24305, Start Num: 114

Candidate Starts for MeaningOfLife_28:

(15, 22848), (90, 23247), (Start: 114 @23292 has 91 MA's), (Start: 162 @23403 has 3 MA's), (197, 23511), (199, 23517), (240, 23634), (259, 23676), (269, 23688), (319, 23742), (341, 23820), (359, 23904), (363, 23916), (368, 23928), (379, 23967), (409, 24081), (429, 24150),

Gene: Mecca_32 Start: 32070, Stop: 33230, Start Num: 62

Candidate Starts for Mecca_32:

(Start: 62 @32070 has 296 MA's), (Start: 105 @32181 has 1 MA's), (122, 32226), (163, 32325), (182, 32385), (193, 32421), (205, 32445), (223, 32490), (225, 32496), (241, 32547), (257, 32586), (259, 32589), (267, 32601), (280, 32616), (296, 32640), (319, 32673), (341, 32754), (348, 32799), (363, 32847), (374, 32883), (377, 32892), (379, 32898), (443, 33123),

Gene: Megabear_25 Start: 29324, Stop: 30529, Start Num: 59

Candidate Starts for Megabear_25:

(Start: 58 @29321 has 2 MA's), (Start: 59 @29324 has 7 MA's), (85, 29393), (117, 29462), (124, 29492), (131, 29504), (133, 29510), (134, 29513), (138, 29522), (157, 29561), (161, 29570), (164, 29582), (182, 29639), (185, 29648), (189, 29660), (193, 29675), (215, 29720), (220, 29735), (233, 29780), (262, 29849), (279, 29876), (288, 29900), (304, 29945), (315, 29966), (322, 29990), (343, 30065), (345, 30095), (363, 30155), (368, 30167), (372, 30185), (394, 30287), (432, 30398), (435, 30416), (447, 30467), (457, 30503),

Gene: Megamind20_33 Start: 32092, Stop: 33252, Start Num: 62

Candidate Starts for Megamind20_33:

(Start: 62 @32092 has 296 MA's), (Start: 105 @32203 has 1 MA's), (122, 32248), (163, 32347), (182, 32407), (193, 32443), (205, 32467), (223, 32512), (225, 32518), (241, 32569), (257, 32608), (259, 32611), (267, 32623), (280, 32638), (296, 32662), (319, 32695), (341, 32776), (348, 32821), (363, 32869), (374, 32905), (377, 32914), (379, 32920), (443, 33145),

Gene: Megatron_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for Megatron_33:

(Start: 62 @32368 has 296 MA's), (Start: 105 @32479 has 1 MA's), (122, 32524), (163, 32623), (182, 32683), (193, 32719), (205, 32743), (223, 32788), (225, 32794), (241, 32845), (257, 32884), (259, 32887), (267, 32899), (296, 32938), (319, 32971), (341, 33052), (348, 33097), (363, 33145), (374, 33181), (377, 33190), (379, 33196), (443, 33421),

Gene: Megsy_28 Start: 23293, Stop: 24306, Start Num: 114

Candidate Starts for Megsy_28:

(15, 22849), (90, 23248), (Start: 114 @23293 has 91 MA's), (Start: 162 @23404 has 3 MA's), (199, 23518), (240, 23635), (259, 23677), (269, 23689), (319, 23743), (341, 23821), (359, 23905), (363, 23917), (368, 23929), (379, 23968), (452, 24247),

Gene: Melc17_33 Start: 32365, Stop: 33525, Start Num: 62

Candidate Starts for Melc17_33:

(Start: 62 @32365 has 296 MA's), (Start: 105 @32476 has 1 MA's), (122, 32521), (163, 32620), (182, 32680), (193, 32716), (205, 32740), (223, 32785), (225, 32791), (241, 32842), (257, 32881), (259, 32884), (267, 32896), (296, 32935), (319, 32968), (341, 33049), (363, 33142), (374, 33178), (377, 33187), (379, 33193), (443, 33418),

Gene: MelsMeow_32 Start: 31973, Stop: 33133, Start Num: 62

Candidate Starts for MelsMeow_32:

(Start: 62 @31973 has 296 MA's), (Start: 105 @32084 has 1 MA's), (122, 32129), (163, 32228), (182, 32288), (193, 32324), (205, 32348), (223, 32393), (225, 32399), (241, 32450), (257, 32489), (259, 32492), (267, 32504), (280, 32519), (296, 32543), (319, 32576), (341, 32657), (348, 32702), (363, 32750), (374, 32786), (377, 32795), (379, 32801), (443, 33026),

Gene: MerCougar_46 Start: 36238, Stop: 37293, Start Num: 106

Candidate Starts for MerCougar_46:

(79, 36175), (Start: 106 @36238 has 23 MA's), (185, 36451), (239, 36610), (248, 36634), (368, 36922), (448, 37222), (458, 37267),

Gene: Mesh1_33 Start: 32382, Stop: 33542, Start Num: 62

Candidate Starts for Mesh1_33:

(Start: 62 @32382 has 296 MA's), (Start: 105 @32493 has 1 MA's), (122, 32538), (163, 32637), (182, 32697), (193, 32733), (205, 32757), (223, 32802), (225, 32808), (241, 32859), (257, 32898), (259, 32901), (267, 32913), (280, 32928), (296, 32952), (319, 32985), (341, 33066), (348, 33111), (363, 33159), (374, 33195), (377, 33204), (379, 33210), (443, 33435),

Gene: Mesmerelda_33 Start: 32080, Stop: 33240, Start Num: 62

Candidate Starts for Mesmerelda_33:

(Start: 62 @32080 has 296 MA's), (Start: 105 @32191 has 1 MA's), (122, 32236), (163, 32335), (182, 32395), (193, 32431), (205, 32455), (223, 32500), (225, 32506), (241, 32557), (257, 32596), (259, 32599), (267, 32611), (280, 32626), (296, 32650), (319, 32683), (341, 32764), (348, 32809), (363, 32857), (374, 32893), (377, 32902), (379, 32908), (443, 33133),

Gene: MichaelPhcott_32 Start: 31972, Stop: 33132, Start Num: 62

Candidate Starts for MichaelPhcott_32:

(Start: 62 @31972 has 296 MA's), (Start: 105 @32083 has 1 MA's), (122, 32128), (163, 32227), (182, 32287), (193, 32323), (205, 32347), (223, 32392), (225, 32398), (241, 32449), (257, 32488), (259, 32491), (267, 32503), (296, 32542), (319, 32575), (341, 32656), (363, 32749), (374, 32785), (377, 32794), (379, 32800), (443, 33025),

Gene: Mikota_33 Start: 32355, Stop: 33515, Start Num: 62

Candidate Starts for Mikota_33:

(Start: 62 @32355 has 296 MA's), (Start: 105 @32466 has 1 MA's), (122, 32511), (163, 32610), (182, 32670), (193, 32706), (205, 32730), (223, 32775), (225, 32781), (241, 32832), (257, 32871), (259, 32874), (267, 32886), (280, 32901), (296, 32925), (319, 32958), (341, 33039), (348, 33084), (363, 33132), (374, 33168), (377, 33177), (379, 33183), (443, 33408),

Gene: MilanaBonita_20 Start: 20281, Stop: 21492, Start Num: 88

Candidate Starts for MilanaBonita_20:

(Start: 88 @20281 has 25 MA's), (97, 20305), (120, 20362), (Start: 135 @20410 has 1 MA's), (Start: 162 @20470 has 3 MA's), (164, 20479), (167, 20494), (176, 20518), (184, 20542), (188, 20554), (199, 20590), (215, 20629), (219, 20638), (226, 20662), (233, 20692), (273, 20776), (274, 20779), (278, 20800), (285, 20836), (287, 20839), (295, 20860), (310, 20902), (341, 21019), (346, 21055), (349, 21061), (379, 21166), (397, 21247),

Gene: Milly_25 Start: 21282, Stop: 22277, Start Num: 116

Candidate Starts for Milly_25:

(45, 21099), (69, 21198), (Start: 116 @21282 has 61 MA's), (149, 21363), (160, 21387), (180, 21447), (197, 21501), (199, 21507), (234, 21609), (235, 21612), (256, 21660), (259, 21666), (293, 21708), (319, 21732), (343, 21816), (361, 21900), (379, 21957), (456, 22254),

Gene: MiniBoss_33 Start: 32361, Stop: 33521, Start Num: 62

Candidate Starts for MiniBoss_33:

(Start: 62 @32361 has 296 MA's), (Start: 105 @32472 has 1 MA's), (122, 32517), (163, 32616), (182, 32676), (193, 32712), (205, 32736), (223, 32781), (225, 32787), (241, 32838), (257, 32877), (259, 32880), (267, 32892), (280, 32907), (296, 32931), (319, 32964), (341, 33045), (348, 33090), (363, 33138), (374, 33174), (377, 33183), (379, 33189), (443, 33414),

Gene: MiniLon_22 Start: 22045, Stop: 23244, Start Num: 65

Candidate Starts for MiniLon_22:

(Start: 65 @22045 has 73 MA's), (71, 22072), (110, 22159), (117, 22177), (121, 22186), (133, 22225), (157, 22276), (158, 22279), (170, 22321), (181, 22351), (183, 22357), (185, 22363), (201, 22405), (245, 22525), (249, 22537), (252, 22543), (315, 22681), (341, 22774), (345, 22810), (361, 22864), (369, 22882), (424, 23074), (449, 23182),

Gene: MiniMac_22 Start: 22046, Stop: 23245, Start Num: 65

Candidate Starts for MiniMac_22:

(Start: 65 @22046 has 73 MA's), (71, 22073), (110, 22160), (117, 22178), (133, 22226), (157, 22277), (158, 22280), (170, 22322), (181, 22352), (183, 22358), (185, 22364), (201, 22406), (245, 22526), (249, 22538), (252, 22544), (315, 22682), (341, 22775), (345, 22811), (361, 22865), (369, 22883), (424, 23075), (449, 23183),

Gene: MissDaisy_29 Start: 24351, Stop: 25355, Start Num: 116

Candidate Starts for MissDaisy_29:

(Start: 116 @24351 has 61 MA's), (183, 24519), (197, 24564), (199, 24570), (220, 24624), (249, 24714), (262, 24735), (269, 24744), (341, 24876), (342, 24879), (372, 25002), (379, 25023), (448, 25290),

Gene: MitKao_33 Start: 32076, Stop: 33236, Start Num: 62

Candidate Starts for MitKao_33:

(Start: 62 @32076 has 296 MA's), (Start: 105 @32187 has 1 MA's), (122, 32232), (163, 32331), (182, 32391), (193, 32427), (205, 32451), (223, 32496), (225, 32502), (241, 32553), (257, 32592), (259, 32595), (267, 32607), (296, 32646), (319, 32679), (341, 32760), (363, 32853), (374, 32889), (377, 32898), (379, 32904), (443, 33129),

Gene: Mithril_30 Start: 32620, Stop: 33777, Start Num: 66

Candidate Starts for Mithril_30:

(Start: 66 @32620 has 25 MA's), (99, 32713), (Start: 105 @32728 has 1 MA's), (111, 32743), (117, 32755), (122, 32773), (139, 32815), (176, 32914), (179, 32923), (185, 32941), (193, 32968), (206, 32983), (210, 32989), (212, 32995), (215, 33001), (226, 33028), (228, 33037), (239, 33070), (264, 33103), (292, 33163), (302, 33193), (315, 33199), (330, 33244), (342, 33298), (343, 33301), (379, 33445), (420, 33598),

Gene: Mitti_29 Start: 24509, Stop: 25513, Start Num: 116

Candidate Starts for Mitti_29:

(Start: 116 @24509 has 61 MA's), (183, 24677), (197, 24722), (199, 24728), (220, 24782), (249, 24872), (262, 24893), (269, 24902), (341, 25034), (342, 25037), (358, 25112), (379, 25181), (438, 25391),

Gene: MmasiCarm_33 Start: 32205, Stop: 33407, Start Num: 65

Candidate Starts for MmasiCarm_33:

(Start: 65 @32205 has 73 MA's), (73, 32238), (131, 32382), (134, 32391), (138, 32400), (157, 32439), (161, 32448), (166, 32466), (182, 32517), (185, 32526), (189, 32538), (191, 32544), (193, 32553), (215, 32598), (220, 32613), (233, 32658), (262, 32727), (272, 32742), (279, 32754), (288, 32778), (306, 32826), (309, 32832), (312, 32838), (315, 32844), (322, 32868), (343, 32943), (345, 32973), (363, 33033), (368, 33045), (372, 33063), (394, 33165), (429, 33270), (432, 33276), (435, 33294), (457, 33381),

Gene: Moostard_22 Start: 22250, Stop: 23467, Start Num: 65

Candidate Starts for Moostard_22:

(Start: 65 @22250 has 73 MA's), (103, 22352), (110, 22364), (117, 22382), (121, 22391), (133, 22430), (151, 22466), (157, 22481), (160, 22487), (167, 22517), (168, 22520), (181, 22556), (185, 22568), (204, 22619), (206, 22622), (228, 22682), (236, 22709), (242, 22724), (245, 22730), (249, 22742),

(276, 22802), (288, 22826), (315, 22886), (342, 22982), (345, 23015), (369, 23087), (374, 23111), (379, 23126), (437, 23339), (440, 23351),

Gene: Morgushi_33 Start: 32077, Stop: 33237, Start Num: 62

Candidate Starts for Morgushi_33:

(Start: 62 @32077 has 296 MA's), (Start: 105 @32188 has 1 MA's), (122, 32233), (163, 32332), (182, 32392), (193, 32428), (205, 32452), (223, 32497), (225, 32503), (241, 32554), (257, 32593), (259, 32596), (267, 32608), (296, 32647), (319, 32680), (341, 32761), (348, 32806), (363, 32854), (374, 32890), (377, 32899), (379, 32905), (443, 33130),

Gene: Mortcellus_32 Start: 32857, Stop: 34059, Start Num: 65

Candidate Starts for Mortcellus_32:

(Start: 65 @32857 has 73 MA's), (73, 32890), (131, 33034), (134, 33043), (138, 33052), (157, 33091), (161, 33100), (166, 33118), (170, 33136), (177, 33154), (179, 33160), (183, 33172), (193, 33205), (215, 33250), (220, 33265), (233, 33310), (270, 33391), (283, 33418), (290, 33436), (297, 33454), (315, 33496), (322, 33520), (343, 33595), (345, 33625), (363, 33685), (368, 33697), (372, 33715), (394, 33817), (429, 33922), (432, 33928), (435, 33946), (457, 34033),

Gene: Morty_33 Start: 32377, Stop: 33537, Start Num: 62

Candidate Starts for Morty_33:

(Start: 62 @32377 has 296 MA's), (Start: 105 @32488 has 1 MA's), (122, 32533), (163, 32632), (182, 32692), (193, 32728), (205, 32752), (223, 32797), (225, 32803), (241, 32854), (257, 32893), (259, 32896), (267, 32908), (296, 32947), (319, 32980), (341, 33061), (348, 33106), (363, 33154), (374, 33190), (377, 33199), (379, 33205), (443, 33430),

Gene: Morty007_33 Start: 33001, Stop: 34203, Start Num: 65

Candidate Starts for Morty007_33:

(Start: 65 @33001 has 73 MA's), (73, 33034), (131, 33178), (134, 33187), (138, 33196), (157, 33235), (161, 33244), (166, 33262), (170, 33280), (177, 33298), (179, 33304), (183, 33316), (189, 33334), (193, 33349), (210, 33382), (220, 33409), (233, 33454), (270, 33535), (283, 33562), (290, 33580), (297, 33598), (315, 33640), (322, 33664), (343, 33739), (345, 33769), (363, 33829), (368, 33841), (372, 33859), (394, 33961), (429, 34066), (432, 34072), (435, 34090), (457, 34177),

Gene: Mosaic_32 Start: 32082, Stop: 33242, Start Num: 62

Candidate Starts for Mosaic_32:

(Start: 62 @32082 has 296 MA's), (Start: 105 @32193 has 1 MA's), (122, 32238), (163, 32337), (182, 32397), (193, 32433), (205, 32457), (223, 32502), (225, 32508), (241, 32559), (257, 32598), (259, 32601), (267, 32613), (296, 32652), (319, 32685), (341, 32766), (363, 32859), (374, 32895), (377, 32904), (379, 32910), (443, 33135),

Gene: MrMagoo_35 Start: 27841, Stop: 28923, Start Num: 101

Candidate Starts for MrMagoo_35:

(100, 27835), (Start: 101 @27841 has 6 MA's), (126, 27916), (145, 27961), (148, 27967), (151, 27973), (158, 27991), (171, 28036), (177, 28051), (182, 28066), (190, 28090), (196, 28111), (215, 28165), (218, 28171), (227, 28201), (236, 28234), (313, 28345), (325, 28381), (453, 28879),

Gene: MrPhizzler_32 Start: 32085, Stop: 33245, Start Num: 62

Candidate Starts for MrPhizzler_32:

(Start: 62 @32085 has 296 MA's), (Start: 105 @32196 has 1 MA's), (122, 32241), (163, 32340), (182, 32400), (193, 32436), (205, 32460), (223, 32505), (225, 32511), (241, 32562), (257, 32601), (259, 32604), (267, 32616), (280, 32631), (296, 32655), (319, 32688), (341, 32769), (348, 32814), (363, 32862), (374, 32898), (377, 32907), (379, 32913), (443, 33138),

Gene: Ms6_19 Start: 19730, Stop: 20884, Start Num: 88

Candidate Starts for Ms6_19:

(34, 19493), (39, 19535), (43, 19565), (49, 19595), (63, 19655), (78, 19709), (Start: 88 @19730 has 25 MA's), (120, 19811), (Start: 135 @19859 has 1 MA's), (Start: 162 @19919 has 3 MA's), (164, 19928), (167, 19943), (176, 19967), (184, 19991), (188, 20003), (215, 20078), (219, 20087), (226, 20111), (233, 20141), (285, 20225), (287, 20228), (295, 20249), (341, 20408), (360, 20498), (363, 20507), (372, 20537), (379, 20558), (458, 20861),

Gene: MsGreen_22 Start: 22247, Stop: 23464, Start Num: 65

Candidate Starts for MsGreen_22:

(Start: 65 @22247 has 73 MA's), (103, 22349), (110, 22361), (117, 22379), (121, 22388), (133, 22427), (151, 22463), (157, 22478), (160, 22484), (167, 22514), (168, 22517), (181, 22553), (185, 22565), (204, 22616), (206, 22619), (228, 22679), (236, 22706), (242, 22721), (245, 22727), (249, 22739), (276, 22799), (288, 22823), (315, 22883), (342, 22979), (345, 23012), (369, 23084), (374, 23108), (437, 23336), (440, 23348),

Gene: Mudslide_30 Start: 32852, Stop: 34009, Start Num: 66

Candidate Starts for Mudslide_30:

(Start: 66 @32852 has 25 MA's), (99, 32945), (Start: 105 @32960 has 1 MA's), (111, 32975), (117, 32987), (122, 33005), (139, 33047), (161, 33095), (176, 33146), (179, 33155), (185, 33173), (193, 33200), (206, 33215), (210, 33221), (212, 33227), (215, 33233), (226, 33260), (228, 33269), (239, 33302), (264, 33335), (302, 33425), (315, 33431), (330, 33476), (342, 33530), (343, 33533), (379, 33677), (420, 33830),

Gene: Mufasa_25 Start: 21302, Stop: 22327, Start Num: 116

Candidate Starts for Mufasa_25:

(69, 21218), (Start: 116 @21302 has 61 MA's), (160, 21407), (180, 21467), (197, 21521), (199, 21527), (228, 21608), (229, 21614), (234, 21629), (235, 21632), (343, 21836), (456, 22295),

Gene: Mulan_32 Start: 32094, Stop: 33254, Start Num: 62

Candidate Starts for Mulan_32:

(Start: 62 @32094 has 296 MA's), (Start: 105 @32205 has 1 MA's), (122, 32250), (163, 32349), (182, 32409), (193, 32445), (205, 32469), (223, 32514), (225, 32520), (241, 32571), (257, 32610), (259, 32613), (267, 32625), (296, 32664), (319, 32697), (341, 32778), (348, 32823), (363, 32871), (374, 32907), (377, 32916), (379, 32922), (443, 33147),

Gene: Murdoc_33 Start: 32369, Stop: 33529, Start Num: 62

Candidate Starts for Murdoc_33:

(Start: 62 @32369 has 296 MA's), (Start: 105 @32480 has 1 MA's), (122, 32525), (163, 32624), (182, 32684), (193, 32720), (205, 32744), (223, 32789), (225, 32795), (241, 32846), (257, 32885), (259, 32888), (267, 32900), (280, 32915), (296, 32939), (319, 32972), (341, 33053), (348, 33098), (363, 33146), (374, 33182), (377, 33191), (379, 33197), (443, 33422),

Gene: Murucutumbu_28 Start: 23275, Stop: 24288, Start Num: 114

Candidate Starts for Murucutumbu_28:

(Start: 114 @23275 has 91 MA's), (Start: 162 @23386 has 3 MA's), (199, 23500), (240, 23617), (259, 23659), (319, 23725), (341, 23803), (342, 23806), (363, 23899), (368, 23911), (372, 23929), (379, 23950), (409, 24064), (429, 24133), (452, 24229),

Gene: Mutante_32 Start: 32076, Stop: 33236, Start Num: 62

Candidate Starts for Mutante_32:

(Start: 62 @32076 has 296 MA's), (Start: 105 @32187 has 1 MA's), (122, 32232), (163, 32331), (182, 32391), (193, 32427), (205, 32451), (223, 32496), (225, 32502), (241, 32553), (257, 32592), (259,

32595), (267, 32607), (280, 32622), (296, 32646), (319, 32679), (341, 32760), (348, 32805), (363, 32853), (374, 32889), (377, 32898), (379, 32904), (443, 33129),

Gene: Mynx_28 Start: 23339, Stop: 24352, Start Num: 114

Candidate Starts for Mynx_28:

(15, 22895), (90, 23294), (Start: 114 @23339 has 91 MA's), (199, 23564), (240, 23681), (259, 23723), (269, 23735), (319, 23789), (341, 23867), (363, 23963), (368, 23975), (376, 24005), (379, 24014), (409, 24128), (429, 24197),

Gene: Mysterious_33 Start: 32854, Stop: 34362, Start Num: 19

Candidate Starts for Mysterious_33:

(Start: 19 @32854 has 9 MA's), (25, 32893), (37, 32965), (38, 32992), (40, 33001), (44, 33043), (48, 33058), (52, 33070), (56, 33100), (Start: 65 @33121 has 73 MA's), (68, 33130), (81, 33178), (107, 33232), (109, 33235), (131, 33307), (151, 33358), (Start: 162 @33385 has 3 MA's), (168, 33412), (186, 33463), (197, 33499), (202, 33514), (215, 33553), (220, 33568), (245, 33643), (267, 33688), (270, 33694), (274, 33703), (302, 33775), (315, 33799), (323, 33826), (335, 33865), (343, 33901), (372, 34027), (393, 34117), (432, 34228), (461, 34348),

Gene: Nacho_0033 Start: 32371, Stop: 33531, Start Num: 62

Candidate Starts for Nacho_0033:

(Start: 62 @32371 has 296 MA's), (Start: 105 @32482 has 1 MA's), (122, 32527), (163, 32626), (182, 32686), (193, 32722), (205, 32746), (223, 32791), (225, 32797), (241, 32848), (257, 32887), (259, 32890), (267, 32902), (280, 32917), (296, 32941), (319, 32974), (341, 33055), (348, 33100), (363, 33148), (374, 33184), (377, 33193), (379, 33199), (443, 33424),

Gene: Nanao_29 Start: 31577, Stop: 32734, Start Num: 66

Candidate Starts for Nanao_29:

(Start: 66 @31577 has 25 MA's), (99, 31670), (Start: 105 @31685 has 1 MA's), (111, 31700), (117, 31712), (122, 31730), (161, 31820), (176, 31871), (179, 31880), (181, 31886), (185, 31898), (193, 31925), (206, 31940), (210, 31946), (212, 31952), (226, 31985), (228, 31994), (239, 32027), (264, 32060), (302, 32150), (315, 32156), (342, 32255), (343, 32258), (379, 32402), (420, 32555),

Gene: Nangang_32 Start: 32544, Stop: 34049, Start Num: 19

Candidate Starts for Nangang_32:

(Start: 19 @32544 has 9 MA's), (25, 32583), (37, 32655), (38, 32682), (44, 32733), (48, 32748), (132, 33000), (143, 33030), (151, 33048), (Start: 162 @33075 has 3 MA's), (168, 33102), (202, 33204), (215, 33243), (220, 33258), (245, 33333), (267, 33378), (270, 33384), (274, 33393), (315, 33489), (335, 33555), (343, 33591), (393, 33804), (432, 33915), (461, 34035),

Gene: Nanosmite_35 Start: 27723, Stop: 28895, Start Num: 65

Candidate Starts for Nanosmite_35:

(Start: 62 @27717 has 296 MA's), (Start: 65 @27723 has 73 MA's), (103, 27828), (Start: 105 @27831 has 1 MA's), (117, 27858), (166, 27984), (183, 28038), (185, 28044), (188, 28053), (213, 28113), (225, 28146), (233, 28176), (235, 28182), (288, 28242), (308, 28284), (378, 28539), (387, 28593), (421, 28689), (427, 28716), (428, 28722),

Gene: NatB6_44 Start: 35025, Stop: 36083, Start Num: 106

Candidate Starts for NatB6_44:

(1, 33585), (2, 33882), (4, 34113), (13, 34482), (51, 34860), (53, 34875), (57, 34893), (Start: 106 @35025 has 23 MA's), (229, 35370), (246, 35421), (287, 35469),

Gene: Nathan_34 Start: 32407, Stop: 33567, Start Num: 62

Candidate Starts for Nathan_34:

(Start: 62 @32407 has 296 MA's), (Start: 105 @32518 has 1 MA's), (122, 32563), (163, 32662), (182, 32722), (193, 32758), (205, 32782), (223, 32827), (225, 32833), (241, 32884), (257, 32923), (259, 32926), (267, 32938), (280, 32953), (296, 32977), (319, 33010), (341, 33091), (348, 33136), (363, 33184), (374, 33220), (377, 33229), (379, 33235), (443, 33460),

Gene: Nehemiah_31 Start: 32857, Stop: 34362, Start Num: 19

Candidate Starts for Nehemiah_31:

(Start: 19 @32857 has 9 MA's), (25, 32896), (37, 32968), (38, 32995), (40, 33004), (44, 33046), (48, 33061), (52, 33073), (56, 33103), (Start: 65 @33124 has 73 MA's), (68, 33133), (81, 33181), (107, 33235), (109, 33238), (131, 33310), (151, 33361), (Start: 162 @33388 has 3 MA's), (168, 33415), (186, 33466), (197, 33502), (202, 33517), (215, 33556), (220, 33571), (245, 33646), (267, 33691), (270, 33697), (274, 33706), (302, 33778), (315, 33802), (323, 33829), (335, 33868), (343, 33904), (372, 34027), (393, 34117), (432, 34228), (461, 34348),

Gene: Nenae_21 Start: 19877, Stop: 21031, Start Num: 88

Candidate Starts for Nenae_21:

(34, 19640), (39, 19682), (43, 19712), (49, 19742), (63, 19802), (78, 19856), (Start: 88 @19877 has 25 MA's), (112, 19940), (120, 19958), (Start: 135 @20006 has 1 MA's), (Start: 162 @20066 has 3 MA's), (164, 20075), (167, 20090), (176, 20114), (184, 20138), (188, 20150), (215, 20225), (219, 20234), (226, 20258), (233, 20288), (251, 20333), (252, 20336), (255, 20342), (285, 20372), (287, 20375), (295, 20396), (341, 20555), (360, 20645), (363, 20654), (372, 20684), (379, 20705), (458, 21008),

Gene: Neos5_33 Start: 33020, Stop: 34222, Start Num: 65

Candidate Starts for Neos5_33:

(Start: 65 @33020 has 73 MA's), (73, 33053), (131, 33197), (134, 33206), (138, 33215), (157, 33254), (161, 33263), (166, 33281), (170, 33299), (177, 33317), (179, 33323), (183, 33335), (189, 33353), (193, 33368), (210, 33401), (220, 33428), (233, 33473), (270, 33554), (283, 33581), (290, 33599), (297, 33617), (315, 33659), (322, 33683), (343, 33758), (345, 33788), (363, 33848), (368, 33860), (372, 33878), (394, 33980), (429, 34085), (432, 34091), (435, 34109), (457, 34196),

Gene: Newman_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for Newman_33:

(Start: 62 @32368 has 296 MA's), (Start: 105 @32479 has 1 MA's), (122, 32524), (163, 32623), (182, 32683), (193, 32719), (205, 32743), (223, 32788), (225, 32794), (241, 32845), (257, 32884), (259, 32887), (267, 32899), (280, 32914), (296, 32938), (319, 32971), (341, 33052), (348, 33097), (363, 33145), (374, 33181), (377, 33190), (379, 33196), (443, 33421),

Gene: Nibb_27 Start: 22603, Stop: 23589, Start Num: 116

Candidate Starts for Nibb_27:

(Start: 116 @22603 has 61 MA's), (161, 22708), (178, 22759), (182, 22771), (189, 22792), (191, 22798), (195, 22813), (204, 22840), (227, 22900), (234, 22927), (291, 23020), (298, 23032), (339, 23119), (342, 23131), (360, 23215), (372, 23254), (380, 23281), (402, 23350), (423, 23404),

Gene: Nicholas_22 Start: 22247, Stop: 23464, Start Num: 65

Candidate Starts for Nicholas_22:

(Start: 65 @22247 has 73 MA's), (103, 22349), (110, 22361), (117, 22379), (121, 22388), (133, 22427), (151, 22463), (157, 22478), (160, 22484), (167, 22514), (168, 22517), (181, 22553), (185, 22565), (204, 22616), (206, 22619), (228, 22679), (236, 22706), (242, 22721), (245, 22727), (249, 22739), (276, 22799), (288, 22823), (315, 22883), (342, 22979), (345, 23012), (369, 23084), (374, 23108), (437, 23336), (440, 23348),

Gene: Nicole21_33 Start: 32366, Stop: 33526, Start Num: 62

Candidate Starts for Nicole21_33:

(Start: 62 @32366 has 296 MA's), (Start: 105 @32477 has 1 MA's), (122, 32522), (163, 32621), (182, 32681), (193, 32717), (205, 32741), (223, 32786), (225, 32792), (241, 32843), (257, 32882), (259, 32885), (267, 32897), (280, 32912), (296, 32936), (319, 32969), (341, 33050), (348, 33095), (363, 33143), (374, 33179), (377, 33188), (379, 33194), (443, 33419),

Gene: Nigel_28 Start: 31491, Stop: 32651, Start Num: 66

Candidate Starts for Nigel_28:

(10, 30987), (Start: 66 @31491 has 25 MA's), (71, 31518), (Start: 105 @31602 has 1 MA's), (111, 31617), (117, 31629), (122, 31647), (176, 31788), (179, 31797), (185, 31815), (193, 31842), (206, 31857), (210, 31863), (212, 31869), (221, 31887), (226, 31902), (228, 31911), (239, 31944), (264, 31977), (272, 31989), (274, 31995), (302, 32067), (315, 32073), (340, 32163), (342, 32172), (379, 32319), (420, 32472),

Gene: Nikao_24 Start: 22900, Stop: 23907, Start Num: 116

Candidate Starts for Nikao_24:

(89, 22849), (94, 22861), (Start: 116 @22900 has 61 MA's), (140, 22960), (170, 23032), (189, 23086), (195, 23107), (240, 23236), (262, 23281), (264, 23284), (318, 23341), (319, 23344), (334, 23389), (342, 23425), (363, 23521), (368, 23533), (402, 23653), (439, 23785),

Gene: Niklas_28 Start: 22731, Stop: 23696, Start Num: 114

Candidate Starts for Niklas_28:

(Start: 114 @22731 has 91 MA's), (118, 22737), (177, 22890), (183, 22908), (189, 22926), (199, 22959), (217, 23001), (234, 23061), (240, 23076), (341, 23262), (342, 23265), (358, 23337), (379, 23406), (391, 23454), (400, 23469), (411, 23502), (425, 23541), (452, 23640),

Gene: NoShow_22 Start: 21146, Stop: 22273, Start Num: 76

Candidate Starts for NoShow_22:

(Start: 76 @21146 has 1 MA's), (136, 21290), (137, 21296), (142, 21308), (144, 21311), (154, 21335), (214, 21506), (221, 21527), (243, 21599), (268, 21647), (354, 21845), (359, 21878), (444, 22193),

Gene: NosilaM_48 Start: 35951, Stop: 37006, Start Num: 106

Candidate Starts for NosilaM_48:

(Start: 106 @35951 has 23 MA's), (185, 36164), (248, 36347), (368, 36635), (458, 36980),

Gene: November_27 Start: 23730, Stop: 24632, Start Num: 158

Candidate Starts for November_27:

(26, 23256), (100, 23592), (Start: 114 @23628 has 91 MA's), (158, 23730), (195, 23841), (207, 23874), (240, 23970), (336, 24129), (361, 24243), (404, 24396), (429, 24489),

Gene: NovumRegina_44 Start: 35355, Stop: 36413, Start Num: 106

Candidate Starts for NovumRegina_44:

(1, 33915), (2, 34212), (4, 34443), (13, 34812), (51, 35190), (53, 35205), (57, 35223), (Start: 106 @35355 has 23 MA's), (229, 35700), (246, 35751), (287, 35799),

Gene: Nozo_33 Start: 32981, Stop: 34183, Start Num: 65

Candidate Starts for Nozo_33:

(Start: 65 @32981 has 73 MA's), (73, 33014), (131, 33158), (134, 33167), (138, 33176), (157, 33215), (161, 33224), (166, 33242), (170, 33260), (177, 33278), (179, 33284), (183, 33296), (189, 33314), (193, 33329), (210, 33362), (220, 33389), (233, 33434), (270, 33515), (283, 33542), (290, 33560), (297, 33578), (315, 33620), (322, 33644), (343, 33719), (345, 33749), (363, 33809), (368, 33821), (372, 33839), (394, 33941), (429, 34046), (432, 34052), (435, 34070), (457, 34157),

Gene: Numberten_33 Start: 32375, Stop: 33535, Start Num: 62

Candidate Starts for Numberten_33:

(Start: 62 @32375 has 296 MA's), (Start: 105 @32486 has 1 MA's), (122, 32531), (163, 32630), (182, 32690), (193, 32726), (205, 32750), (223, 32795), (225, 32801), (241, 32852), (257, 32891), (259, 32894), (267, 32906), (296, 32945), (319, 32978), (341, 33059), (348, 33104), (363, 33152), (374, 33188), (377, 33197), (379, 33203), (443, 33428),

Gene: Nutello_24 Start: 22900, Stop: 23907, Start Num: 116

Candidate Starts for Nutello_24:

(89, 22849), (94, 22861), (Start: 116 @22900 has 61 MA's), (140, 22960), (170, 23032), (189, 23086), (195, 23107), (240, 23236), (262, 23281), (264, 23284), (318, 23341), (319, 23344), (334, 23389), (342, 23425), (363, 23521), (368, 23533), (402, 23653), (439, 23785),

Gene: Nyala_32 Start: 32068, Stop: 33228, Start Num: 62

Candidate Starts for Nyala_32:

(Start: 62 @32068 has 296 MA's), (Start: 105 @32179 has 1 MA's), (122, 32224), (163, 32323), (182, 32383), (193, 32419), (205, 32443), (223, 32488), (225, 32494), (241, 32545), (257, 32584), (259, 32587), (267, 32599), (280, 32614), (296, 32638), (319, 32671), (341, 32752), (348, 32797), (363, 32845), (374, 32881), (377, 32890), (379, 32896), (443, 33121),

Gene: OSmaximus_33 Start: 32410, Stop: 33570, Start Num: 62

Candidate Starts for OSmaximus_33:

(Start: 62 @32410 has 296 MA's), (Start: 105 @32521 has 1 MA's), (122, 32566), (163, 32665), (182, 32725), (193, 32761), (205, 32785), (223, 32830), (225, 32836), (241, 32887), (257, 32926), (259, 32929), (267, 32941), (280, 32956), (296, 32980), (319, 33013), (341, 33094), (348, 33139), (363, 33187), (374, 33223), (377, 33232), (379, 33238), (443, 33463),

Gene: Obutu_33 Start: 32205, Stop: 33407, Start Num: 65

Candidate Starts for Obutu_33:

(Start: 65 @32205 has 73 MA's), (73, 32238), (131, 32382), (134, 32391), (138, 32400), (157, 32439), (161, 32448), (166, 32466), (182, 32517), (185, 32526), (189, 32538), (191, 32544), (193, 32553), (215, 32598), (220, 32613), (233, 32658), (262, 32727), (272, 32742), (279, 32754), (288, 32778), (306, 32826), (309, 32832), (312, 32838), (315, 32844), (322, 32868), (343, 32943), (345, 32973), (363, 33033), (368, 33045), (372, 33063), (393, 33162), (394, 33165), (429, 33270), (432, 33276), (435, 33294), (457, 33381),

Gene: OhShagHennessy_21 Start: 21653, Stop: 22825, Start Num: 65

Candidate Starts for OhShagHennessy_21:

(Start: 64 @21650 has 5 MA's), (Start: 65 @21653 has 73 MA's), (Start: 113 @21779 has 1 MA's), (128, 21821), (133, 21833), (134, 21836), (151, 21869), (156, 21881), (170, 21929), (177, 21947), (189, 21983), (193, 21998), (218, 22049), (227, 22079), (240, 22121), (250, 22145), (292, 22181), (294, 22187), (309, 22214), (315, 22232), (343, 22325), (344, 22328), (361, 22412), (398, 22550), (407, 22568), (431, 22652),

Gene: Olak_32 Start: 32072, Stop: 33232, Start Num: 62

Candidate Starts for Olak_32:

(Start: 62 @32072 has 296 MA's), (Start: 105 @32183 has 1 MA's), (122, 32228), (163, 32327), (182, 32387), (193, 32423), (205, 32447), (223, 32492), (225, 32498), (241, 32549), (257, 32588), (259, 32591), (267, 32603), (280, 32618), (296, 32642), (319, 32675), (341, 32756), (348, 32801), (363, 32849), (374, 32885), (377, 32894), (379, 32900), (443, 33125),

Gene: Oline_32 Start: 31937, Stop: 33097, Start Num: 62

Candidate Starts for Oline_32:

(Start: 62 @31937 has 296 MA's), (Start: 105 @32048 has 1 MA's), (122, 32093), (163, 32192), (182, 32252), (193, 32288), (205, 32312), (223, 32357), (225, 32363), (241, 32414), (257, 32453), (259, 32456), (267, 32468), (296, 32507), (319, 32540), (341, 32621), (363, 32714), (374, 32750), (377, 32759), (379, 32765), (443, 32990),

Gene: Olive_33 Start: 32358, Stop: 33518, Start Num: 62

Candidate Starts for Olive_33:

(Start: 62 @32358 has 296 MA's), (Start: 105 @32469 has 1 MA's), (122, 32514), (163, 32613), (182, 32673), (193, 32709), (205, 32733), (223, 32778), (225, 32784), (241, 32835), (257, 32874), (259, 32877), (267, 32889), (296, 32928), (319, 32961), (341, 33042), (348, 33087), (363, 33135), (374, 33171), (377, 33180), (379, 33186), (443, 33411),

Gene: OliverWalter_33 Start: 32380, Stop: 33540, Start Num: 62

Candidate Starts for OliverWalter_33:

(Start: 62 @32380 has 296 MA's), (Start: 105 @32491 has 1 MA's), (122, 32536), (163, 32635), (182, 32695), (193, 32731), (205, 32755), (223, 32800), (225, 32806), (241, 32857), (257, 32896), (259, 32899), (267, 32911), (280, 32926), (296, 32950), (319, 32983), (341, 33064), (348, 33109), (363, 33157), (374, 33193), (377, 33202), (379, 33208), (443, 33433),

Gene: Olivio_32 Start: 32074, Stop: 33276, Start Num: 65

Candidate Starts for Olivio_32:

(Start: 65 @32074 has 73 MA's), (73, 32107), (131, 32251), (134, 32260), (138, 32269), (157, 32308), (161, 32317), (166, 32335), (170, 32353), (177, 32371), (179, 32377), (183, 32389), (189, 32407), (193, 32422), (210, 32455), (220, 32482), (233, 32527), (270, 32608), (283, 32635), (290, 32653), (297, 32671), (315, 32713), (322, 32737), (343, 32812), (345, 32842), (363, 32902), (368, 32914), (372, 32932), (393, 33031), (394, 33034), (429, 33139), (432, 33145), (435, 33163), (457, 33250),

Gene: OmniCritical_29 Start: 24494, Stop: 25498, Start Num: 116

Candidate Starts for OmniCritical_29:

(Start: 116 @24494 has 61 MA's), (183, 24662), (197, 24707), (199, 24713), (220, 24767), (223, 24776), (249, 24857), (262, 24878), (267, 24884), (269, 24887), (341, 25019), (342, 25022), (372, 25145), (438, 25376),

Gene: Omniscient_33 Start: 32377, Stop: 33537, Start Num: 62

Candidate Starts for Omniscient_33:

(Start: 62 @32377 has 296 MA's), (Start: 105 @32488 has 1 MA's), (122, 32533), (163, 32632), (182, 32692), (193, 32728), (205, 32752), (223, 32797), (225, 32803), (241, 32854), (257, 32893), (259, 32896), (267, 32908), (280, 32923), (296, 32947), (319, 32980), (341, 33061), (348, 33106), (363, 33154), (374, 33190), (377, 33199), (379, 33205), (443, 33430),

Gene: Onyinye_43 Start: 33042, Stop: 34181, Start Num: 77

Candidate Starts for Onyinye_43:

(Start: 76 @33039 has 1 MA's), (Start: 77 @33042 has 3 MA's), (86, 33063), (Start: 101 @33099 has 6 MA's), (142, 33213), (144, 33216), (165, 33270), (172, 33297), (211, 33402), (216, 33411), (238, 33483), (258, 33534), (263, 33543), (289, 33564), (316, 33600), (362, 33786), (375, 33828), (376, 33831), (382, 33855), (396, 33921),

Gene: Oosterbaan_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for Oosterbaan_33:

(Start: 62 @32368 has 296 MA's), (Start: 105 @32479 has 1 MA's), (122, 32524), (163, 32623), (182, 32683), (193, 32719), (205, 32743), (223, 32788), (225, 32794), (241, 32845), (257, 32884), (259, 32887), (267, 32899), (280, 32914), (296, 32938), (319, 32971), (341, 33052), (348, 33097), (363, 33145), (374, 33181), (377, 33190), (379, 33196), (443, 33421),

Gene: Opia_33 Start: 32684, Stop: 33847, Start Num: 62

Candidate Starts for Opia_33:

(35, 32537), (Start: 60 @32678 has 11 MA's), (Start: 62 @32684 has 296 MA's), (73, 32723), (85, 32753), (Start: 105 @32798 has 1 MA's), (122, 32843), (163, 32942), (182, 33002), (193, 33038), (205, 33062), (223, 33107), (225, 33113), (241, 33164), (257, 33203), (259, 33206), (267, 33218), (280, 33233), (296, 33257), (319, 33290), (341, 33371), (363, 33464), (374, 33500), (377, 33509), (379, 33515), (443, 33740),

Gene: OrangeOswald_33 Start: 32222, Stop: 33424, Start Num: 65

Candidate Starts for OrangeOswald_33:

(Start: 65 @32222 has 73 MA's), (73, 32255), (131, 32399), (134, 32408), (138, 32417), (157, 32456), (161, 32465), (166, 32483), (170, 32501), (177, 32519), (179, 32525), (183, 32537), (189, 32555), (193, 32570), (210, 32603), (220, 32630), (233, 32675), (270, 32756), (283, 32783), (290, 32801), (297, 32819), (315, 32861), (322, 32885), (343, 32960), (345, 32990), (363, 33050), (368, 33062), (372, 33080), (394, 33182), (429, 33287), (432, 33293), (435, 33311), (457, 33398),

Gene: Orfeu_32 Start: 32076, Stop: 33236, Start Num: 62

Candidate Starts for Orfeu_32:

(Start: 62 @32076 has 296 MA's), (Start: 105 @32187 has 1 MA's), (122, 32232), (163, 32331), (182, 32391), (193, 32427), (205, 32451), (223, 32496), (225, 32502), (241, 32553), (257, 32592), (259, 32595), (267, 32607), (280, 32622), (296, 32646), (319, 32679), (341, 32760), (348, 32805), (363, 32853), (374, 32889), (377, 32898), (379, 32904), (443, 33129),

Gene: Orion_33 Start: 32366, Stop: 33526, Start Num: 62

Candidate Starts for Orion_33:

(Start: 62 @32366 has 296 MA's), (Start: 105 @32477 has 1 MA's), (122, 32522), (163, 32621), (182, 32681), (193, 32717), (205, 32741), (223, 32786), (225, 32792), (241, 32843), (257, 32882), (259, 32885), (267, 32897), (280, 32912), (296, 32936), (319, 32969), (341, 33050), (348, 33095), (363, 33143), (374, 33179), (377, 33188), (379, 33194), (443, 33419),

Gene: Orwigg_32 Start: 32064, Stop: 33224, Start Num: 62

Candidate Starts for Orwigg_32:

(Start: 62 @32064 has 296 MA's), (Start: 105 @32175 has 1 MA's), (122, 32220), (163, 32319), (182, 32379), (193, 32415), (205, 32439), (223, 32484), (225, 32490), (241, 32541), (257, 32580), (259, 32583), (267, 32595), (280, 32610), (296, 32634), (319, 32667), (341, 32748), (348, 32793), (363, 32841), (374, 32877), (377, 32886), (379, 32892), (443, 33117),

Gene: Oscar_27 Start: 22584, Stop: 23552, Start Num: 116

Candidate Starts for Oscar_27:

(Start: 116 @22584 has 61 MA's), (180, 22746), (182, 22752), (189, 22773), (191, 22779), (204, 22821), (222, 22866), (234, 22908), (240, 22923), (320, 23031), (343, 23115), (426, 23391),

Gene: Outis_46 Start: 35932, Stop: 36987, Start Num: 106

Candidate Starts for Outis_46:

(79, 35869), (Start: 106 @35932 has 23 MA's), (185, 36145), (239, 36304), (248, 36328), (368, 36616), (448, 36916), (458, 36961),

Gene: P3MA_24 Start: 20823, Stop: 21977, Start Num: 65

Candidate Starts for P3MA_24:

(Start: 65 @20823 has 73 MA's), (117, 20955), (119, 20958), (133, 21003), (134, 21006), (138, 21015), (151, 21039), (164, 21075), (165, 21078), (166, 21081), (185, 21141), (193, 21168), (209, 21201), (218, 21219), (249, 21315), (252, 21321), (284, 21336), (308, 21381), (337, 21471), (340, 21489),

(381, 21645), (393, 21711),

Gene: PG1_33 Start: 32379, Stop: 33539, Start Num: 62

Candidate Starts for PG1_33:

(Start: 62 @32379 has 296 MA's), (Start: 105 @32490 has 1 MA's), (122, 32535), (163, 32634), (182, 32694), (193, 32730), (205, 32754), (223, 32799), (225, 32805), (241, 32856), (257, 32895), (259, 32898), (267, 32910), (280, 32925), (296, 32949), (319, 32982), (341, 33063), (348, 33108), (363, 33156), (374, 33192), (377, 33201), (379, 33207), (443, 33432),

Gene: PR_25 Start: 29919, Stop: 31133, Start Num: 58

Candidate Starts for PR_25:

(Start: 58 @29919 has 2 MA's), (Start: 60 @29925 has 11 MA's), (72, 29964), (Start: 105 @30039 has 1 MA's), (108, 30042), (121, 30075), (124, 30096), (131, 30108), (133, 30114), (138, 30126), (157, 30165), (158, 30168), (182, 30243), (189, 30264), (220, 30339), (233, 30384), (245, 30414), (267, 30459), (272, 30468), (274, 30474), (279, 30480), (288, 30504), (304, 30549), (315, 30570), (322, 30594), (343, 30669), (345, 30699), (363, 30759), (368, 30771), (372, 30789), (393, 30888), (394, 30891), (429, 30996), (432, 31002), (445, 31068), (447, 31071), (457, 31107),

Gene: PYPDinur_21 Start: 21427, Stop: 22581, Start Num: 65

Candidate Starts for PYPDinur_21:

(Start: 65 @21427 has 73 MA's), (103, 21529), (110, 21541), (134, 21610), (170, 21703), (189, 21757), (201, 21787), (204, 21796), (221, 21835), (235, 21883), (245, 21907), (249, 21919), (288, 21943), (315, 22003), (326, 22033), (356, 22150), (360, 22186), (363, 22195), (380, 22252), (386, 22291),

Gene: Pacifista_32 Start: 32070, Stop: 33230, Start Num: 62

Candidate Starts for Pacifista_32:

(Start: 62 @32070 has 296 MA's), (Start: 105 @32181 has 1 MA's), (122, 32226), (163, 32325), (182, 32385), (193, 32421), (205, 32445), (223, 32490), (225, 32496), (241, 32547), (257, 32586), (259, 32589), (267, 32601), (280, 32616), (296, 32640), (319, 32673), (341, 32754), (348, 32799), (363, 32847), (374, 32883), (377, 32892), (379, 32898), (443, 33123),

Gene: Padfoot_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Padfoot_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (Start: 162 @23467 has 3 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (368, 23992), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Padpat_28 Start: 23316, Stop: 24329, Start Num: 114

Candidate Starts for Padpat_28:

(15, 22872), (90, 23271), (Start: 114 @23316 has 91 MA's), (199, 23541), (240, 23658), (259, 23700), (269, 23712), (319, 23766), (341, 23844), (363, 23940), (368, 23952), (376, 23982), (379, 23991), (409, 24105), (429, 24174),

Gene: Patio_48 Start: 36198, Stop: 37259, Start Num: 106

Candidate Starts for Patio_48:

(Start: 106 @36198 has 23 MA's), (175, 36384), (238, 36570), (239, 36573), (343, 36783),

Gene: Patt_29 Start: 24327, Stop: 25331, Start Num: 116

Candidate Starts for Patt_29:

(Start: 116 @24327 has 61 MA's), (183, 24495), (197, 24540), (199, 24546), (220, 24600), (249, 24690), (262, 24711), (269, 24720), (341, 24852), (342, 24855), (377, 24993), (388, 25062),

Gene: Peanam_28 Start: 22728, Stop: 23693, Start Num: 114

Candidate Starts for Peanam_28:

(Start: 114 @22728 has 91 MA's), (118, 22734), (177, 22887), (183, 22905), (189, 22923), (199, 22956), (217, 22998), (234, 23058), (240, 23073), (269, 23127), (341, 23259), (342, 23262), (358, 23334), (379, 23403), (391, 23451), (400, 23466), (411, 23499), (425, 23538), (452, 23637),

Gene: Peel_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Peel_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Phaedrus_31 Start: 32138, Stop: 33340, Start Num: 65

Candidate Starts for Phaedrus_31:

(Start: 65 @32138 has 73 MA's), (73, 32171), (131, 32315), (134, 32324), (138, 32333), (157, 32372), (161, 32381), (166, 32399), (170, 32417), (177, 32435), (179, 32441), (183, 32453), (189, 32471), (193, 32486), (210, 32519), (220, 32546), (233, 32591), (270, 32672), (283, 32699), (290, 32717), (297, 32735), (315, 32777), (345, 32906), (372, 32996), (394, 33098), (416, 33155), (419, 33164), (429, 33203), (445, 33275), (458, 33317),

Gene: Phamished_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Phamished_33:

(Start: 62 @32374 has 296 MA's), (Start: 105 @32485 has 1 MA's), (122, 32530), (163, 32629), (182, 32689), (193, 32725), (205, 32749), (223, 32794), (225, 32800), (241, 32851), (257, 32890), (259, 32893), (267, 32905), (280, 32920), (296, 32944), (319, 32977), (341, 33058), (348, 33103), (363, 33151), (374, 33187), (377, 33196), (379, 33202), (443, 33427),

Gene: PhancyPhin_21 Start: 19874, Stop: 21028, Start Num: 88

Candidate Starts for PhancyPhin_21:

(34, 19637), (39, 19679), (43, 19709), (49, 19739), (63, 19799), (78, 19853), (Start: 88 @19874 has 25 MA's), (112, 19937), (120, 19955), (Start: 135 @20003 has 1 MA's), (Start: 162 @20063 has 3 MA's), (164, 20072), (167, 20087), (176, 20111), (184, 20135), (188, 20147), (215, 20222), (219, 20231), (226, 20255), (233, 20285), (251, 20330), (252, 20333), (255, 20339), (285, 20369), (287, 20372), (295, 20393), (341, 20552), (360, 20642), (363, 20651), (372, 20681), (379, 20702), (458, 21005),

Gene: Phantasmagoria_33 Start: 32695, Stop: 33858, Start Num: 62

Candidate Starts for Phantasmagoria_33:

(Start: 60 @32689 has 11 MA's), (Start: 62 @32695 has 296 MA's), (73, 32734), (85, 32764), (Start: 105 @32809 has 1 MA's), (122, 32854), (163, 32953), (182, 33013), (193, 33049), (205, 33073), (223, 33118), (225, 33124), (241, 33175), (257, 33214), (259, 33217), (267, 33229), (280, 33244), (296, 33268), (319, 33301), (341, 33382), (348, 33427), (363, 33475), (374, 33511), (377, 33520), (379, 33526), (443, 33751),

Gene: Pharb_27 Start: 23529, Stop: 24596, Start Num: 113

Candidate Starts for Pharb_27:

(Start: 113 @23529 has 1 MA's), (125, 23565), (127, 23568), (Start: 162 @23634 has 3 MA's), (170, 23661), (187, 23709), (195, 23736), (199, 23748), (207, 23769), (229, 23835), (269, 23919), (301, 23976), (303, 23979), (341, 24111), (342, 24114), (345, 24147), (355, 24162), (378, 24255), (400, 24345),

Gene: Phareon_33 Start: 32078, Stop: 33238, Start Num: 62

Candidate Starts for Phareon_33:

(Start: 62 @32078 has 296 MA's), (Start: 105 @32189 has 1 MA's), (122, 32234), (163, 32333), (182, 32393), (193, 32429), (205, 32453), (223, 32498), (225, 32504), (241, 32555), (257, 32594), (259,

32597), (267, 32609), (280, 32624), (296, 32648), (319, 32681), (341, 32762), (348, 32807), (363, 32855), (374, 32891), (377, 32900), (379, 32906), (443, 33131),

Gene: PhatCats2014_33 Start: 32383, Stop: 33543, Start Num: 62

Candidate Starts for PhatCats2014_33:

(Start: 62 @32383 has 296 MA's), (Start: 105 @32494 has 1 MA's), (122, 32539), (163, 32638), (182, 32698), (193, 32734), (205, 32758), (223, 32803), (225, 32809), (241, 32860), (257, 32899), (259, 32902), (267, 32914), (280, 32929), (296, 32953), (319, 32986), (341, 33067), (348, 33112), (363, 33160), (374, 33196), (377, 33205), (379, 33211), (443, 33436),

Gene: PhatLouie_33 Start: 32372, Stop: 33532, Start Num: 62

Candidate Starts for PhatLouie_33:

(Start: 62 @32372 has 296 MA's), (Start: 105 @32483 has 1 MA's), (122, 32528), (163, 32627), (182, 32687), (193, 32723), (205, 32747), (223, 32792), (225, 32798), (241, 32849), (257, 32888), (259, 32891), (267, 32903), (296, 32942), (319, 32975), (341, 33056), (363, 33149), (374, 33185), (377, 33194), (379, 33200), (443, 33425),

Gene: Phelemich_32 Start: 32856, Stop: 34361, Start Num: 19

Candidate Starts for Phelemich_32:

(Start: 19 @32856 has 9 MA's), (25, 32895), (37, 32967), (38, 32994), (44, 33045), (48, 33060), (52, 33072), (56, 33102), (Start: 65 @33123 has 73 MA's), (68, 33132), (107, 33234), (109, 33237), (131, 33309), (151, 33360), (Start: 162 @33387 has 3 MA's), (168, 33414), (186, 33465), (197, 33501), (202, 33516), (215, 33555), (220, 33570), (245, 33645), (267, 33690), (270, 33696), (274, 33705), (302, 33777), (315, 33801), (323, 33828), (335, 33867), (343, 33903), (429, 34221), (432, 34227), (461, 34347),

Gene: PhelpsODU_28 Start: 22720, Stop: 23781, Start Num: 116

Candidate Starts for PhelpsODU_28:

(69, 22630), (91, 22687), (Start: 116 @22720 has 61 MA's), (160, 22819), (195, 22927), (199, 22939), (207, 22960), (240, 23056), (303, 23170), (318, 23221), (345, 23338), (413, 23581), (420, 23599), (429, 23638),

Gene: PhenghisKhan_32 Start: 31978, Stop: 33138, Start Num: 62

Candidate Starts for PhenghisKhan_32:

(Start: 62 @31978 has 296 MA's), (Start: 105 @32089 has 1 MA's), (122, 32134), (163, 32233), (182, 32293), (193, 32329), (205, 32353), (223, 32398), (225, 32404), (241, 32455), (257, 32494), (259, 32497), (267, 32509), (296, 32548), (319, 32581), (341, 32662), (363, 32755), (374, 32791), (377, 32800), (379, 32806), (443, 33031),

Gene: Pherdinand_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Pherdinand_33:

(Start: 62 @32374 has 296 MA's), (Start: 105 @32485 has 1 MA's), (122, 32530), (163, 32629), (182, 32689), (193, 32725), (205, 32749), (223, 32794), (225, 32800), (241, 32851), (257, 32890), (259, 32893), (267, 32905), (280, 32920), (296, 32944), (319, 32977), (341, 33058), (348, 33103), (363, 33151), (374, 33187), (377, 33196), (379, 33202), (443, 33427),

Gene: Phergie_32 Start: 31969, Stop: 33129, Start Num: 62

Candidate Starts for Phergie_32:

(Start: 62 @31969 has 296 MA's), (Start: 105 @32080 has 1 MA's), (122, 32125), (163, 32224), (182, 32284), (193, 32320), (205, 32344), (223, 32389), (225, 32395), (241, 32446), (257, 32485), (259, 32488), (267, 32500), (296, 32539), (319, 32572), (341, 32653), (363, 32746), (374, 32782), (377, 32791), (379, 32797), (443, 33022),

Gene: Philly_32 Start: 32073, Stop: 33275, Start Num: 65

Candidate Starts for Philly_32:

(Start: 65 @32073 has 73 MA's), (131, 32250), (134, 32259), (138, 32268), (157, 32307), (161, 32316), (166, 32334), (170, 32352), (177, 32370), (179, 32376), (183, 32388), (189, 32406), (193, 32421), (210, 32454), (220, 32481), (233, 32526), (270, 32607), (283, 32634), (290, 32652), (297, 32670), (315, 32712), (322, 32736), (343, 32811), (345, 32841), (363, 32901), (368, 32913), (372, 32931), (394, 33033), (429, 33138), (432, 33144), (435, 33162), (457, 33249),

Gene: Phipps_33 Start: 32345, Stop: 33505, Start Num: 62

Candidate Starts for Phipps_33:

(Start: 62 @32345 has 296 MA's), (Start: 105 @32456 has 1 MA's), (122, 32501), (163, 32600), (182, 32660), (193, 32696), (205, 32720), (223, 32765), (225, 32771), (241, 32822), (257, 32861), (259, 32864), (267, 32876), (296, 32915), (319, 32948), (341, 33029), (348, 33074), (363, 33122), (374, 33158), (377, 33167), (379, 33173), (443, 33398),

Gene: Phleuron_32 Start: 31975, Stop: 33135, Start Num: 62

Candidate Starts for Phleuron_32:

(Start: 62 @31975 has 296 MA's), (Start: 105 @32086 has 1 MA's), (122, 32131), (163, 32230), (182, 32290), (193, 32326), (205, 32350), (223, 32395), (225, 32401), (241, 32452), (257, 32491), (259, 32494), (267, 32506), (296, 32545), (319, 32578), (341, 32659), (348, 32704), (363, 32752), (374, 32788), (377, 32797), (379, 32803), (443, 33028),

Gene: Phloss_21 Start: 20203, Stop: 21360, Start Num: 88

Candidate Starts for Phloss_21:

(Start: 88 @20203 has 25 MA's), (120, 20284), (Start: 135 @20332 has 1 MA's), (Start: 162 @20392 has 3 MA's), (164, 20401), (167, 20416), (176, 20440), (184, 20464), (188, 20476), (209, 20536), (215, 20551), (219, 20560), (226, 20584), (229, 20599), (233, 20614), (285, 20698), (287, 20701), (295, 20722), (301, 20743), (307, 20752), (310, 20764), (311, 20773), (379, 21034), (392, 21103), (458, 21337),

Gene: Phlyer_33 Start: 32957, Stop: 34159, Start Num: 65

Candidate Starts for Phlyer_33:

(Start: 65 @32957 has 73 MA's), (73, 32990), (131, 33134), (134, 33143), (138, 33152), (157, 33191), (161, 33200), (166, 33218), (170, 33236), (177, 33254), (179, 33260), (183, 33272), (189, 33290), (193, 33305), (210, 33338), (220, 33365), (233, 33410), (270, 33491), (283, 33518), (290, 33536), (297, 33554), (315, 33596), (345, 33725), (372, 33815), (394, 33917), (416, 33974), (419, 33983), (429, 34022), (445, 34094), (458, 34136),

Gene: Phomeo_43 Start: 35624, Stop: 36682, Start Num: 106

Candidate Starts for Phomeo_43:

(1, 34184), (2, 34481), (4, 34712), (13, 35081), (51, 35459), (53, 35474), (57, 35492), (Start: 106 @35624 has 23 MA's), (229, 35969), (246, 36020), (287, 36068),

Gene: Phrank_28 Start: 22670, Stop: 23731, Start Num: 116

Candidate Starts for Phrank_28:

(Start: 116 @22670 has 61 MA's), (150, 22748), (151, 22751), (160, 22769), (195, 22877), (204, 22904), (207, 22910), (240, 23006), (245, 23018), (303, 23120), (318, 23171), (345, 23288), (413, 23531), (420, 23549), (429, 23588),

Gene: PhrankReynolds_32 Start: 31975, Stop: 33135, Start Num: 62

Candidate Starts for PhrankReynolds_32:

(Start: 62 @31975 has 296 MA's), (Start: 105 @32086 has 1 MA's), (122, 32131), (163, 32230), (182, 32290), (193, 32326), (205, 32350), (223, 32395), (225, 32401), (241, 32452), (257, 32491), (259,

32494), (267, 32506), (296, 32545), (319, 32578), (341, 32659), (363, 32752), (374, 32788), (377, 32797), (379, 32803), (443, 33028),

Gene: PhrodoBaggins_32 Start: 32362, Stop: 33522, Start Num: 62

Candidate Starts for PhrodoBaggins_32:

(Start: 62 @32362 has 296 MA's), (Start: 105 @32473 has 1 MA's), (122, 32518), (163, 32617), (182, 32677), (193, 32713), (205, 32737), (223, 32782), (225, 32788), (241, 32839), (257, 32878), (259, 32881), (267, 32893), (296, 32932), (319, 32965), (341, 33046), (348, 33091), (363, 33139), (374, 33175), (377, 33184), (379, 33190), (443, 33415),

Gene: Phunky_33 Start: 32375, Stop: 33535, Start Num: 62

Candidate Starts for Phunky_33:

(Start: 62 @32375 has 296 MA's), (Start: 105 @32486 has 1 MA's), (122, 32531), (163, 32630), (182, 32690), (193, 32726), (205, 32750), (223, 32795), (225, 32801), (241, 32852), (257, 32891), (259, 32894), (267, 32906), (280, 32921), (296, 32945), (319, 32978), (341, 33059), (348, 33104), (363, 33152), (374, 33188), (377, 33197), (379, 33203), (443, 33428),

Gene: Piatt_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Piatt_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (Start: 162 @23467 has 3 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (368, 23992), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Piglet_0032 Start: 32482, Stop: 33642, Start Num: 62

Candidate Starts for Piglet_0032:

(Start: 62 @32482 has 296 MA's), (Start: 105 @32593 has 1 MA's), (122, 32638), (163, 32737), (182, 32797), (193, 32833), (205, 32857), (223, 32902), (225, 32908), (241, 32959), (257, 32998), (259, 33001), (267, 33013), (280, 33028), (296, 33052), (319, 33085), (341, 33166), (348, 33211), (363, 33259), (374, 33295), (377, 33304), (379, 33310), (443, 33535),

Gene: PinheadLarry_33 Start: 32088, Stop: 33248, Start Num: 62

Candidate Starts for PinheadLarry_33:

(Start: 62 @32088 has 296 MA's), (Start: 105 @32199 has 1 MA's), (122, 32244), (163, 32343), (182, 32403), (193, 32439), (205, 32463), (223, 32508), (225, 32514), (241, 32565), (257, 32604), (259, 32607), (267, 32619), (296, 32658), (319, 32691), (341, 32772), (348, 32817), (363, 32865), (374, 32901), (377, 32910), (379, 32916), (443, 33141),

Gene: Pinkman_32 Start: 31931, Stop: 33091, Start Num: 62

Candidate Starts for Pinkman_32:

(Start: 62 @31931 has 296 MA's), (Start: 105 @32042 has 1 MA's), (122, 32087), (163, 32186), (182, 32246), (193, 32282), (205, 32306), (223, 32351), (225, 32357), (241, 32408), (257, 32447), (259, 32450), (267, 32462), (280, 32477), (296, 32501), (319, 32534), (341, 32615), (348, 32660), (363, 32708), (374, 32744), (377, 32753), (379, 32759), (443, 32984),

Gene: Pippy_19 Start: 20253, Stop: 21410, Start Num: 87

Candidate Starts for Pippy_19:

(84, 20250), (Start: 87 @20253 has 2 MA's), (120, 20334), (Start: 135 @20382 has 1 MA's), (Start: 162 @20442 has 3 MA's), (164, 20451), (167, 20466), (176, 20490), (184, 20514), (188, 20526), (209, 20586), (215, 20601), (219, 20610), (226, 20634), (233, 20664), (285, 20748), (287, 20751), (295, 20772), (301, 20793), (307, 20802), (310, 20814), (311, 20823), (379, 21084), (392, 21153), (458, 21387),

Gene: Pipsqueak_33 Start: 32373, Stop: 33533, Start Num: 62

Candidate Starts for Pipsqueak_33:

(Start: 62 @32373 has 296 MA's), (Start: 105 @32484 has 1 MA's), (122, 32529), (163, 32628), (182, 32688), (193, 32724), (205, 32748), (223, 32793), (225, 32799), (241, 32850), (257, 32889), (259, 32892), (267, 32904), (280, 32919), (296, 32943), (319, 32976), (341, 33057), (348, 33102), (363, 33150), (374, 33186), (377, 33195), (379, 33201), (443, 33426),

Gene: Pixie_28 Start: 23724, Stop: 24788, Start Num: 116

Candidate Starts for Pixie_28:

(12, 23172), (14, 23238), (16, 23301), (17, 23313), (18, 23334), (24, 23376), (45, 23535), (69, 23634), (91, 23691), (Start: 116 @23724 has 61 MA's), (170, 23856), (173, 23862), (195, 23931), (197, 23937), (220, 23997), (227, 24018), (230, 24033), (265, 24111), (341, 24303), (345, 24339), (359, 24387), (372, 24429), (407, 24555),

Gene: Placalicious_32 Start: 32066, Stop: 33226, Start Num: 62

Candidate Starts for Placalicious_32:

(Start: 62 @32066 has 296 MA's), (Start: 105 @32177 has 1 MA's), (122, 32222), (163, 32321), (182, 32381), (193, 32417), (205, 32441), (223, 32486), (225, 32492), (241, 32543), (257, 32582), (259, 32585), (267, 32597), (280, 32612), (296, 32636), (319, 32669), (341, 32750), (348, 32795), (363, 32843), (374, 32879), (377, 32888), (379, 32894), (443, 33119),

Gene: Plata_33 Start: 32087, Stop: 33247, Start Num: 62

Candidate Starts for Plata_33:

(Start: 62 @32087 has 296 MA's), (Start: 105 @32198 has 1 MA's), (122, 32243), (163, 32342), (182, 32402), (193, 32438), (205, 32462), (223, 32507), (225, 32513), (241, 32564), (257, 32603), (259, 32606), (267, 32618), (280, 32633), (296, 32657), (319, 32690), (341, 32771), (348, 32816), (363, 32864), (374, 32900), (377, 32909), (379, 32915), (443, 33140),

Gene: Plmatters_33 Start: 32372, Stop: 33532, Start Num: 62

Candidate Starts for Plmatters_33:

(Start: 62 @32372 has 296 MA's), (Start: 105 @32483 has 1 MA's), (122, 32528), (163, 32627), (182, 32687), (193, 32723), (205, 32747), (223, 32792), (225, 32798), (241, 32849), (257, 32888), (259, 32891), (267, 32903), (296, 32942), (319, 32975), (341, 33056), (348, 33101), (363, 33149), (374, 33185), (377, 33194), (379, 33200), (443, 33425),

Gene: Podrick_33 Start: 32363, Stop: 33523, Start Num: 62

Candidate Starts for Podrick_33:

(Start: 62 @32363 has 296 MA's), (Start: 105 @32474 has 1 MA's), (122, 32519), (163, 32618), (182, 32678), (193, 32714), (205, 32738), (223, 32783), (225, 32789), (241, 32840), (257, 32879), (259, 32882), (267, 32894), (296, 32933), (319, 32966), (341, 33047), (348, 33092), (363, 33140), (374, 33176), (377, 33185), (379, 33191), (443, 33416),

Gene: Pokerus_27 Start: 23273, Stop: 24286, Start Num: 114

Candidate Starts for Pokerus_27:

(15, 22829), (90, 23228), (Start: 114 @23273 has 91 MA's), (Start: 162 @23384 has 3 MA's), (199, 23498), (240, 23615), (259, 23657), (269, 23669), (319, 23723), (341, 23801), (363, 23897), (368, 23909), (376, 23939), (379, 23948), (409, 24062), (429, 24131),

Gene: Pochiewood_21 Start: 21688, Stop: 22860, Start Num: 65

Candidate Starts for Pochiewood_21:

(Start: 64 @21685 has 5 MA's), (Start: 65 @21688 has 73 MA's), (Start: 113 @21814 has 1 MA's), (128, 21856), (133, 21868), (134, 21871), (151, 21904), (156, 21916), (170, 21964), (177, 21982), (189, 22018), (193, 22033), (218, 22084), (227, 22114), (240, 22156), (250, 22180), (292, 22216), (294, 22222), (309, 22249), (315, 22267), (343, 22360), (344, 22363), (361, 22447), (398, 22585),

(407, 22603), (431, 22687),

Gene: Pops_33 Start: 32387, Stop: 33547, Start Num: 62

Candidate Starts for Pops_33:

(Start: 62 @32387 has 296 MA's), (Start: 105 @32498 has 1 MA's), (122, 32543), (163, 32642), (182, 32702), (193, 32738), (205, 32762), (223, 32807), (225, 32813), (241, 32864), (257, 32903), (259, 32906), (267, 32918), (280, 32933), (296, 32957), (319, 32990), (341, 33071), (348, 33116), (363, 33164), (374, 33200), (377, 33209), (379, 33215), (443, 33440),

Gene: Poster_29 Start: 31578, Stop: 32735, Start Num: 66

Candidate Starts for Poster_29:

(Start: 66 @31578 has 25 MA's), (99, 31671), (Start: 105 @31686 has 1 MA's), (111, 31701), (117, 31713), (122, 31731), (161, 31821), (176, 31872), (179, 31881), (181, 31887), (185, 31899), (193, 31926), (206, 31941), (210, 31947), (212, 31953), (226, 31986), (228, 31995), (239, 32028), (264, 32061), (302, 32151), (315, 32157), (342, 32256), (343, 32259), (379, 32403), (420, 32556),

Gene: Potter_32 Start: 32087, Stop: 33247, Start Num: 62

Candidate Starts for Potter_32:

(Start: 62 @32087 has 296 MA's), (Start: 105 @32198 has 1 MA's), (122, 32243), (163, 32342), (182, 32402), (193, 32438), (205, 32462), (223, 32507), (225, 32513), (241, 32564), (257, 32603), (259, 32606), (267, 32618), (296, 32657), (319, 32690), (341, 32771), (363, 32864), (374, 32900), (377, 32909), (379, 32915), (443, 33140),

Gene: Prickles_33 Start: 32363, Stop: 33523, Start Num: 62

Candidate Starts for Prickles_33:

(Start: 62 @32363 has 296 MA's), (Start: 105 @32474 has 1 MA's), (122, 32519), (163, 32618), (182, 32678), (193, 32714), (205, 32738), (223, 32783), (225, 32789), (241, 32840), (257, 32879), (259, 32882), (267, 32894), (280, 32909), (296, 32933), (319, 32966), (341, 33047), (348, 33092), (363, 33140), (374, 33176), (377, 33185), (379, 33191), (443, 33416),

Gene: Prince_30 Start: 32761, Stop: 33918, Start Num: 66

Candidate Starts for Prince_30:

(Start: 66 @32761 has 25 MA's), (99, 32854), (Start: 105 @32869 has 1 MA's), (111, 32884), (117, 32896), (122, 32914), (139, 32956), (161, 33004), (176, 33055), (179, 33064), (185, 33082), (193, 33109), (206, 33124), (210, 33130), (212, 33136), (215, 33142), (226, 33169), (228, 33178), (239, 33211), (264, 33244), (292, 33304), (302, 33334), (315, 33340), (330, 33385), (342, 33439), (343, 33442), (379, 33586), (420, 33739),

Gene: PrinceCharming_33 Start: 32801, Stop: 33964, Start Num: 62

Candidate Starts for PrinceCharming_33:

(35, 32654), (Start: 60 @32795 has 11 MA's), (Start: 62 @32801 has 296 MA's), (73, 32840), (85, 32870), (Start: 105 @32915 has 1 MA's), (122, 32960), (163, 33059), (182, 33119), (193, 33155), (205, 33179), (223, 33224), (225, 33230), (241, 33281), (257, 33320), (259, 33323), (267, 33335), (280, 33350), (296, 33374), (319, 33407), (341, 33488), (363, 33581), (374, 33617), (377, 33626), (379, 33632), (443, 33857),

Gene: Prithvi_28 Start: 23290, Stop: 24303, Start Num: 114

Candidate Starts for Prithvi_28:

(90, 23245), (Start: 114 @23290 has 91 MA's), (Start: 162 @23401 has 3 MA's), (199, 23515), (240, 23632), (259, 23674), (269, 23686), (319, 23740), (341, 23818), (359, 23902), (363, 23914), (368, 23926), (379, 23965), (452, 24244),

Gene: ProfessorX_33 Start: 32358, Stop: 33518, Start Num: 62

Candidate Starts for ProfessorX_33:

(Start: 62 @32358 has 296 MA's), (Start: 105 @32469 has 1 MA's), (122, 32514), (163, 32613), (182, 32673), (193, 32709), (205, 32733), (223, 32778), (225, 32784), (241, 32835), (257, 32874), (259, 32877), (267, 32889), (296, 32928), (319, 32961), (341, 33042), (348, 33087), (363, 33135), (374, 33171), (377, 33180), (379, 33186), (443, 33411),

Gene: Puhltonio_33 Start: 32379, Stop: 33539, Start Num: 62

Candidate Starts for Puhltonio_33:

(Start: 62 @32379 has 296 MA's), (Start: 105 @32490 has 1 MA's), (122, 32535), (163, 32634), (182, 32694), (193, 32730), (205, 32754), (223, 32799), (225, 32805), (241, 32856), (257, 32895), (259, 32898), (267, 32910), (296, 32949), (319, 32982), (341, 33063), (348, 33108), (363, 33156), (374, 33192), (377, 33201), (379, 33207), (443, 33432),

Gene: Purgamenstris_21 Start: 19877, Stop: 21031, Start Num: 88

Candidate Starts for Purgamenstris_21:

(34, 19640), (39, 19682), (43, 19712), (49, 19742), (63, 19802), (78, 19856), (Start: 88 @19877 has 25 MA's), (112, 19940), (120, 19958), (Start: 135 @20006 has 1 MA's), (Start: 162 @20066 has 3 MA's), (164, 20075), (167, 20090), (176, 20114), (184, 20138), (188, 20150), (215, 20225), (219, 20234), (226, 20258), (233, 20288), (251, 20333), (252, 20336), (255, 20342), (285, 20372), (287, 20375), (295, 20396), (341, 20555), (360, 20645), (363, 20654), (372, 20684), (379, 20705), (458, 21008),

Gene: QueenBeane_33 Start: 32369, Stop: 33529, Start Num: 62

Candidate Starts for QueenBeane_33:

(Start: 62 @32369 has 296 MA's), (Start: 105 @32480 has 1 MA's), (122, 32525), (163, 32624), (182, 32684), (193, 32720), (205, 32744), (223, 32789), (225, 32795), (241, 32846), (257, 32885), (259, 32888), (267, 32900), (280, 32915), (296, 32939), (319, 32972), (341, 33053), (348, 33098), (363, 33146), (374, 33182), (377, 33191), (379, 33197), (443, 33422),

Gene: QueenHazel_22 Start: 21423, Stop: 22634, Start Num: 88

Candidate Starts for QueenHazel_22:

(34, 21186), (39, 21228), (49, 21288), (63, 21348), (78, 21402), (Start: 88 @21423 has 25 MA's), (120, 21504), (Start: 135 @21552 has 1 MA's), (Start: 162 @21612 has 3 MA's), (164, 21621), (167, 21636), (176, 21660), (184, 21684), (188, 21696), (199, 21732), (215, 21771), (219, 21780), (226, 21804), (233, 21834), (273, 21918), (274, 21921), (278, 21942), (285, 21978), (287, 21981), (295, 22002), (310, 22044), (341, 22161), (346, 22197), (349, 22203), (379, 22308), (397, 22389),

Gene: QueenPie_29 Start: 32702, Stop: 33859, Start Num: 66

Candidate Starts for QueenPie_29:

(Start: 66 @32702 has 25 MA's), (99, 32795), (Start: 105 @32810 has 1 MA's), (111, 32825), (117, 32837), (122, 32855), (161, 32945), (176, 32996), (179, 33005), (185, 33023), (193, 33050), (206, 33065), (210, 33071), (212, 33077), (215, 33083), (226, 33110), (228, 33119), (239, 33152), (264, 33185), (274, 33203), (292, 33245), (302, 33275), (315, 33281), (321, 33302), (342, 33380), (343, 33383), (355, 33428), (379, 33527), (420, 33680),

Gene: QuincyRose_27 Start: 23336, Stop: 24349, Start Num: 114

Candidate Starts for QuincyRose_27:

(15, 22892), (90, 23291), (Start: 114 @23336 has 91 MA's), (Start: 162 @23447 has 3 MA's), (199, 23561), (240, 23678), (259, 23720), (269, 23732), (296, 23771), (319, 23786), (341, 23864), (359, 23948), (363, 23960), (368, 23972), (379, 24011), (409, 24125), (429, 24194),

Gene: Quisquilliae_33 Start: 32397, Stop: 33557, Start Num: 62

Candidate Starts for Quisquilliae_33:

(Start: 62 @32397 has 296 MA's), (Start: 105 @32508 has 1 MA's), (122, 32553), (163, 32652), (182, 32712), (193, 32748), (205, 32772), (223, 32817), (225, 32823), (241, 32874), (257, 32913), (259, 32916), (267, 32928), (296, 32967), (319, 33000), (341, 33081), (348, 33126), (363, 33174), (374, 33210), (377, 33219), (379, 33225), (443, 33450),

Gene: Qyrzula_31 Start: 32776, Stop: 33981, Start Num: 59

Candidate Starts for Qyrzula_31:

(33, 32632), (Start: 58 @32773 has 2 MA's), (Start: 59 @32776 has 7 MA's), (85, 32845), (117, 32914), (124, 32944), (131, 32956), (133, 32962), (134, 32965), (138, 32974), (157, 33013), (161, 33022), (164, 33034), (182, 33091), (189, 33112), (193, 33127), (215, 33172), (220, 33187), (233, 33232), (262, 33301), (279, 33328), (288, 33352), (304, 33397), (315, 33418), (322, 33442), (343, 33517), (345, 33547), (363, 33607), (368, 33619), (372, 33637), (394, 33739), (429, 33844), (432, 33850), (435, 33868), (447, 33919), (457, 33955),

Gene: RagingRooster_33 Start: 32223, Stop: 33425, Start Num: 65

Candidate Starts for RagingRooster_33:

(Start: 65 @32223 has 73 MA's), (73, 32256), (131, 32400), (134, 32409), (138, 32418), (157, 32457), (161, 32466), (166, 32484), (170, 32502), (177, 32520), (179, 32526), (183, 32538), (189, 32556), (193, 32571), (210, 32604), (220, 32631), (233, 32676), (270, 32757), (283, 32784), (290, 32802), (297, 32820), (315, 32862), (322, 32886), (343, 32961), (345, 32991), (363, 33051), (368, 33063), (372, 33081), (394, 33183), (429, 33288), (432, 33294), (435, 33312), (457, 33399),

Gene: Ramen_28 Start: 23322, Stop: 24335, Start Num: 114

Candidate Starts for Ramen_28:

(15, 22878), (90, 23277), (Start: 114 @23322 has 91 MA's), (Start: 162 @23433 has 3 MA's), (199, 23547), (240, 23664), (259, 23706), (269, 23718), (319, 23772), (341, 23850), (363, 23946), (376, 23988), (379, 23997), (409, 24111), (429, 24180),

Gene: Rapunzel97_28 Start: 23323, Stop: 24336, Start Num: 114

Candidate Starts for Rapunzel97_28:

(15, 22879), (32, 23026), (90, 23278), (Start: 114 @23323 has 91 MA's), (Start: 162 @23434 has 3 MA's), (199, 23548), (240, 23665), (259, 23707), (269, 23719), (319, 23773), (341, 23851), (363, 23947), (368, 23959), (376, 23989), (379, 23998), (409, 24112), (429, 24181),

Gene: RawrgerThat_30 Start: 32607, Stop: 33764, Start Num: 66

Candidate Starts for RawrgerThat_30:

(Start: 66 @32607 has 25 MA's), (99, 32700), (Start: 105 @32715 has 1 MA's), (111, 32730), (117, 32742), (122, 32760), (139, 32802), (176, 32901), (179, 32910), (185, 32928), (193, 32955), (206, 32970), (210, 32976), (212, 32982), (215, 32988), (226, 33015), (228, 33024), (239, 33057), (264, 33090), (302, 33180), (315, 33186), (342, 33285), (343, 33288), (379, 33432), (420, 33585),

Gene: Red305_22 Start: 22247, Stop: 23464, Start Num: 65

Candidate Starts for Red305_22:

(Start: 65 @22247 has 73 MA's), (103, 22349), (110, 22361), (117, 22379), (121, 22388), (133, 22427), (151, 22463), (157, 22478), (160, 22484), (167, 22514), (168, 22517), (181, 22553), (185, 22565), (204, 22616), (206, 22619), (228, 22679), (236, 22706), (242, 22721), (245, 22727), (249, 22739), (276, 22799), (288, 22823), (315, 22883), (342, 22979), (345, 23012), (369, 23084), (374, 23108), (437, 23336), (440, 23348),

Gene: RedMaple_32 Start: 32376, Stop: 33536, Start Num: 62

Candidate Starts for RedMaple_32:

(Start: 62 @32376 has 296 MA's), (Start: 105 @32487 has 1 MA's), (122, 32532), (163, 32631), (182, 32691), (193, 32727), (205, 32751), (223, 32796), (225, 32802), (241, 32853), (257, 32892), (259,

32895), (267, 32907), (296, 32946), (319, 32979), (341, 33060), (348, 33105), (363, 33153), (374, 33189), (377, 33198), (379, 33204), (443, 33429),

Gene: RedRaider_52 Start: 38220, Stop: 39278, Start Num: 106

Candidate Starts for RedRaider_52:

(Start: 106 @38220 has 23 MA's), (170, 38394), (189, 38448), (245, 38610), (287, 38664), (368, 38907), (448, 39207),

Gene: Redi_21 Start: 19877, Stop: 21031, Start Num: 88

Candidate Starts for Redi_21:

(34, 19640), (39, 19682), (43, 19712), (49, 19742), (63, 19802), (78, 19856), (Start: 88 @19877 has 25 MA's), (112, 19940), (120, 19958), (Start: 135 @20006 has 1 MA's), (Start: 162 @20066 has 3 MA's), (164, 20075), (167, 20090), (176, 20114), (184, 20138), (188, 20150), (215, 20225), (219, 20234), (226, 20258), (233, 20288), (251, 20333), (252, 20336), (255, 20342), (285, 20372), (287, 20375), (295, 20396), (341, 20555), (360, 20645), (363, 20654), (372, 20684), (379, 20705), (458, 21008),

Gene: Reprobate_32 Start: 32861, Stop: 34366, Start Num: 19

Candidate Starts for Reprobate_32:

(Start: 19 @32861 has 9 MA's), (25, 32900), (37, 32972), (38, 32999), (44, 33050), (48, 33065), (52, 33077), (56, 33107), (Start: 65 @33128 has 73 MA's), (68, 33137), (107, 33239), (109, 33242), (131, 33314), (151, 33365), (Start: 162 @33392 has 3 MA's), (168, 33419), (186, 33470), (197, 33506), (202, 33521), (215, 33560), (220, 33575), (245, 33650), (267, 33695), (270, 33701), (274, 33710), (302, 33782), (315, 33806), (323, 33833), (335, 33872), (343, 33908), (429, 34226), (432, 34232), (461, 34352),

Gene: Reptar3000_29 Start: 24320, Stop: 25324, Start Num: 116

Candidate Starts for Reptar3000_29:

(Start: 116 @24320 has 61 MA's), (183, 24488), (197, 24533), (199, 24539), (220, 24593), (223, 24602), (249, 24683), (262, 24704), (269, 24713), (341, 24845), (342, 24848), (377, 24986), (388, 25055), (448, 25259),

Gene: Rey_35 Start: 28073, Stop: 29155, Start Num: 101

Candidate Starts for Rey_35:

(100, 28067), (Start: 101 @28073 has 6 MA's), (126, 28148), (145, 28193), (151, 28205), (158, 28223), (Start: 162 @28232 has 3 MA's), (177, 28283), (182, 28298), (190, 28322), (196, 28343), (218, 28403), (328, 28622), (434, 29024),

Gene: Rhinoforte_33 Start: 32804, Stop: 33967, Start Num: 62

Candidate Starts for Rhinoforte_33:

(35, 32657), (Start: 60 @32798 has 11 MA's), (Start: 62 @32804 has 296 MA's), (73, 32843), (85, 32873), (Start: 105 @32918 has 1 MA's), (122, 32963), (163, 33062), (182, 33122), (193, 33158), (205, 33182), (223, 33227), (225, 33233), (241, 33284), (257, 33323), (259, 33326), (267, 33338), (280, 33353), (296, 33377), (319, 33410), (341, 33491), (348, 33536), (363, 33584), (374, 33620), (377, 33629), (379, 33635), (390, 33695), (443, 33860),

Gene: Rich_31 Start: 32367, Stop: 33872, Start Num: 19

Candidate Starts for Rich_31:

(Start: 19 @32367 has 9 MA's), (22, 32385), (25, 32406), (31, 32460), (37, 32478), (41, 32529), (44, 32556), (48, 32571), (151, 32871), (Start: 162 @32898 has 3 MA's), (168, 32925), (191, 32991), (197, 33012), (202, 33027), (215, 33066), (245, 33156), (256, 33183), (260, 33192), (274, 33216), (315, 33312), (323, 33339), (335, 33378), (343, 33414), (372, 33537), (400, 33642), (432, 33738), (435, 33756), (461, 33858),

Gene: Richo_28 Start: 22728, Stop: 23693, Start Num: 114

Candidate Starts for Richo_28:

(Start: 114 @22728 has 91 MA's), (118, 22734), (177, 22887), (183, 22905), (189, 22923), (199, 22956), (217, 22998), (234, 23058), (240, 23073), (341, 23259), (342, 23262), (358, 23334), (379, 23403), (391, 23451), (400, 23466), (411, 23499), (425, 23538), (452, 23637),

Gene: Ricotta_32 Start: 32096, Stop: 33256, Start Num: 62

Candidate Starts for Ricotta_32:

(Start: 62 @32096 has 296 MA's), (Start: 105 @32207 has 1 MA's), (122, 32252), (163, 32351), (182, 32411), (193, 32447), (205, 32471), (223, 32516), (225, 32522), (241, 32573), (257, 32612), (259, 32615), (267, 32627), (280, 32642), (296, 32666), (319, 32699), (341, 32780), (348, 32825), (363, 32873), (374, 32909), (377, 32918), (379, 32924), (443, 33149),

Gene: Riggan_33 Start: 32356, Stop: 33516, Start Num: 62

Candidate Starts for Riggan_33:

(Start: 62 @32356 has 296 MA's), (Start: 105 @32467 has 1 MA's), (122, 32512), (163, 32611), (182, 32671), (193, 32707), (205, 32731), (223, 32776), (225, 32782), (241, 32833), (257, 32872), (259, 32875), (267, 32887), (296, 32926), (319, 32959), (341, 33040), (348, 33085), (363, 33133), (374, 33169), (377, 33178), (379, 33184), (443, 33409),

Gene: Rimu_34 Start: 32105, Stop: 33265, Start Num: 62

Candidate Starts for Rimu_34:

(Start: 62 @32105 has 296 MA's), (Start: 105 @32216 has 1 MA's), (122, 32261), (163, 32360), (182, 32420), (193, 32456), (205, 32480), (223, 32525), (225, 32531), (241, 32582), (257, 32621), (259, 32624), (267, 32636), (280, 32651), (296, 32675), (319, 32708), (341, 32789), (348, 32834), (363, 32882), (374, 32918), (377, 32927), (379, 32933), (443, 33158),

Gene: Rinke_34 Start: 33816, Stop: 35012, Start Num: 62

Candidate Starts for Rinke_34:

(47, 33759), (55, 33795), (Start: 62 @33816 has 296 MA's), (74, 33861), (93, 33906), (Start: 105 @33939 has 1 MA's), (Start: 115 @33963 has 2 MA's), (122, 33984), (125, 33999), (129, 34005), (148, 34044), (151, 34050), (157, 34065), (161, 34074), (170, 34110), (176, 34125), (179, 34134), (188, 34161), (189, 34164), (196, 34188), (201, 34194), (223, 34251), (224, 34254), (239, 34302), (240, 34305), (245, 34317), (256, 34344), (260, 34353), (262, 34356), (277, 34380), (297, 34431), (312, 34470), (319, 34491), (340, 34563), (341, 34569), (370, 34677), (375, 34698), (379, 34710), (411, 34812), (417, 34821), (442, 34914),

Gene: Rita130_32 Start: 32589, Stop: 34094, Start Num: 19

Candidate Starts for Rita130_32:

(Start: 19 @32589 has 9 MA's), (22, 32607), (25, 32628), (31, 32682), (42, 32760), (44, 32778), (48, 32793), (52, 32805), (131, 33042), (151, 33093), (Start: 162 @33120 has 3 MA's), (168, 33147), (197, 33234), (202, 33249), (215, 33288), (245, 33378), (274, 33438), (323, 33561), (335, 33600), (343, 33636), (432, 33960), (461, 34080),

Gene: Rita1961_33 Start: 32206, Stop: 33408, Start Num: 65

Candidate Starts for Rita1961_33:

(Start: 65 @32206 has 73 MA's), (73, 32239), (131, 32383), (134, 32392), (138, 32401), (157, 32440), (161, 32449), (166, 32467), (182, 32518), (185, 32527), (189, 32539), (191, 32545), (193, 32554), (215, 32599), (220, 32614), (233, 32659), (262, 32728), (272, 32743), (279, 32755), (288, 32779), (306, 32827), (309, 32833), (312, 32839), (315, 32845), (322, 32869), (343, 32944), (345, 32974), (363, 33034), (368, 33046), (372, 33064), (393, 33163), (394, 33166), (429, 33271), (432, 33277), (435, 33295), (457, 33382),

Gene: Riverton_32 Start: 32377, Stop: 33537, Start Num: 62

Candidate Starts for Riverton_32:

(Start: 62 @32377 has 296 MA's), (Start: 105 @32488 has 1 MA's), (122, 32533), (163, 32632), (182, 32692), (193, 32728), (205, 32752), (223, 32797), (225, 32803), (241, 32854), (257, 32893), (259, 32896), (267, 32908), (280, 32923), (296, 32947), (319, 32980), (341, 33061), (348, 33106), (363, 33154), (374, 33190), (377, 33199), (379, 33205), (443, 33430),

Gene: Robyn_32 Start: 31940, Stop: 33100, Start Num: 62

Candidate Starts for Robyn_32:

(Start: 62 @31940 has 296 MA's), (Start: 105 @32051 has 1 MA's), (122, 32096), (163, 32195), (182, 32255), (193, 32291), (205, 32315), (223, 32360), (225, 32366), (241, 32417), (257, 32456), (259, 32459), (267, 32471), (296, 32510), (319, 32543), (341, 32624), (348, 32669), (363, 32717), (374, 32753), (377, 32762), (379, 32768), (443, 32993),

Gene: Roliet_33 Start: 32365, Stop: 33525, Start Num: 62

Candidate Starts for Roliet_33:

(Start: 62 @32365 has 296 MA's), (Start: 105 @32476 has 1 MA's), (122, 32521), (163, 32620), (182, 32680), (193, 32716), (205, 32740), (223, 32785), (225, 32791), (241, 32842), (257, 32881), (259, 32884), (267, 32896), (280, 32911), (296, 32935), (319, 32968), (341, 33049), (348, 33094), (363, 33142), (374, 33178), (377, 33187), (379, 33193), (443, 33418),

Gene: RomaT_33 Start: 32996, Stop: 34198, Start Num: 65

Candidate Starts for RomaT_33:

(Start: 65 @32996 has 73 MA's), (73, 33029), (131, 33173), (134, 33182), (138, 33191), (157, 33230), (161, 33239), (166, 33257), (170, 33275), (177, 33293), (179, 33299), (183, 33311), (189, 33329), (193, 33344), (210, 33377), (220, 33404), (233, 33449), (270, 33530), (283, 33557), (290, 33575), (297, 33593), (315, 33635), (322, 33659), (343, 33734), (345, 33764), (363, 33824), (368, 33836), (372, 33854), (394, 33956), (429, 34061), (432, 34067), (435, 34085), (457, 34172),

Gene: Roscoe_34 Start: 32603, Stop: 33763, Start Num: 62

Candidate Starts for Roscoe_34:

(Start: 62 @32603 has 296 MA's), (Start: 105 @32714 has 1 MA's), (122, 32759), (163, 32858), (182, 32918), (193, 32954), (205, 32978), (223, 33023), (225, 33029), (241, 33080), (257, 33119), (259, 33122), (267, 33134), (296, 33173), (319, 33206), (341, 33287), (348, 33332), (363, 33380), (374, 33416), (377, 33425), (379, 33431), (443, 33656),

Gene: Rose5_21 Start: 21688, Stop: 22860, Start Num: 65

Candidate Starts for Rose5_21:

(Start: 64 @21685 has 5 MA's), (Start: 65 @21688 has 73 MA's), (Start: 113 @21814 has 1 MA's), (128, 21856), (133, 21868), (134, 21871), (151, 21904), (156, 21916), (170, 21964), (177, 21982), (189, 22018), (193, 22033), (218, 22084), (227, 22114), (240, 22156), (250, 22180), (292, 22216), (294, 22222), (309, 22249), (315, 22267), (343, 22360), (344, 22363), (361, 22447), (398, 22585), (407, 22603), (431, 22687),

Gene: Rosebush_33 Start: 32811, Stop: 33974, Start Num: 62

Candidate Starts for Rosebush_33:

(35, 32664), (Start: 60 @32805 has 11 MA's), (Start: 62 @32811 has 296 MA's), (73, 32850), (85, 32880), (Start: 105 @32925 has 1 MA's), (122, 32970), (163, 33069), (182, 33129), (193, 33165), (205, 33189), (223, 33234), (225, 33240), (241, 33291), (257, 33330), (259, 33333), (267, 33345), (280, 33360), (296, 33384), (319, 33417), (341, 33498), (363, 33591), (374, 33627), (377, 33636), (379, 33642), (390, 33702), (443, 33867),

Gene: Rosmarinus_28 Start: 23344, Stop: 24357, Start Num: 114

Candidate Starts for Rosmarinus_28:

(15, 22900), (90, 23299), (Start: 114 @23344 has 91 MA's), (199, 23569), (240, 23686), (259, 23728), (269, 23740), (319, 23794), (341, 23872), (363, 23968), (376, 24010), (379, 24019), (409, 24133), (429, 24202),

Gene: Roy17_33 Start: 32069, Stop: 33229, Start Num: 62

Candidate Starts for Roy17_33:

(Start: 62 @32069 has 296 MA's), (Start: 105 @32180 has 1 MA's), (122, 32225), (163, 32324), (182, 32384), (193, 32420), (205, 32444), (223, 32489), (225, 32495), (241, 32546), (257, 32585), (259, 32588), (267, 32600), (280, 32615), (296, 32639), (319, 32672), (341, 32753), (348, 32798), (363, 32846), (374, 32882), (377, 32891), (379, 32897), (443, 33122),

Gene: SDcharge11_33 Start: 32343, Stop: 33503, Start Num: 62

Candidate Starts for SDcharge11_33:

(Start: 62 @32343 has 296 MA's), (Start: 105 @32454 has 1 MA's), (122, 32499), (163, 32598), (182, 32658), (193, 32694), (205, 32718), (223, 32763), (225, 32769), (241, 32820), (257, 32859), (259, 32862), (267, 32874), (280, 32889), (296, 32913), (319, 32946), (341, 33027), (348, 33072), (363, 33120), (374, 33156), (377, 33165), (379, 33171), (443, 33396),

Gene: Sabella_33 Start: 32688, Stop: 33851, Start Num: 62

Candidate Starts for Sabella_33:

(35, 32541), (Start: 60 @32682 has 11 MA's), (Start: 62 @32688 has 296 MA's), (73, 32727), (85, 32757), (Start: 105 @32802 has 1 MA's), (122, 32847), (163, 32946), (182, 33006), (193, 33042), (205, 33066), (223, 33111), (225, 33117), (241, 33168), (257, 33207), (259, 33210), (267, 33222), (280, 33237), (296, 33261), (319, 33294), (341, 33375), (363, 33468), (374, 33504), (377, 33513), (379, 33519), (443, 33744),

Gene: Samaymay_33 Start: 32369, Stop: 33529, Start Num: 62

Candidate Starts for Samaymay_33:

(Start: 62 @32369 has 296 MA's), (Start: 105 @32480 has 1 MA's), (122, 32525), (163, 32624), (182, 32684), (193, 32720), (205, 32744), (223, 32789), (225, 32795), (241, 32846), (257, 32885), (259, 32888), (267, 32900), (280, 32915), (296, 32939), (319, 32972), (341, 33053), (348, 33098), (363, 33146), (374, 33182), (377, 33191), (379, 33197), (443, 33422),

Gene: Samty_22 Start: 22250, Stop: 23467, Start Num: 65

Candidate Starts for Samty_22:

(Start: 65 @22250 has 73 MA's), (103, 22352), (110, 22364), (117, 22382), (121, 22391), (133, 22430), (151, 22466), (157, 22481), (160, 22487), (167, 22517), (168, 22520), (181, 22556), (185, 22568), (204, 22619), (206, 22622), (228, 22682), (236, 22709), (242, 22724), (245, 22730), (249, 22742), (276, 22802), (288, 22826), (315, 22886), (342, 22982), (345, 23015), (369, 23087), (374, 23111), (379, 23126), (437, 23339), (440, 23351),

Gene: SamuelLPlaqson_28 Start: 23284, Stop: 24297, Start Num: 114

Candidate Starts for SamuelLPlaqson_28:

(90, 23239), (Start: 114 @23284 has 91 MA's), (Start: 162 @23395 has 3 MA's), (199, 23509), (240, 23626), (259, 23668), (269, 23680), (319, 23734), (341, 23812), (363, 23908), (368, 23920), (379, 23959), (385, 23995), (429, 24142), (452, 24238),

Gene: Sarma624_20 Start: 20090, Stop: 21244, Start Num: 88

Candidate Starts for Sarma624_20:

(Start: 83 @20087 has 3 MA's), (Start: 88 @20090 has 25 MA's), (Start: 135 @20219 has 1 MA's), (150, 20249), (Start: 162 @20279 has 3 MA's), (164, 20288), (167, 20303), (176, 20327), (184, 20351), (188, 20363), (215, 20438), (219, 20447), (226, 20471), (233, 20501), (285, 20585), (287, 20588),

(295, 20609), (360, 20858), (363, 20867), (372, 20897), (379, 20918), (392, 20987), (458, 21221),

Gene: SassyCat97_32 Start: 32075, Stop: 33235, Start Num: 62

Candidate Starts for SassyCat97_32:

(Start: 62 @32075 has 296 MA's), (Start: 105 @32186 has 1 MA's), (122, 32231), (163, 32330), (182, 32390), (193, 32426), (205, 32450), (223, 32495), (225, 32501), (241, 32552), (257, 32591), (259, 32594), (267, 32606), (296, 32645), (319, 32678), (341, 32759), (348, 32804), (363, 32852), (374, 32888), (377, 32897), (379, 32903), (443, 33128),

Gene: Scarlett_27 Start: 22586, Stop: 23545, Start Num: 116

Candidate Starts for Scarlett_27:

(Start: 116 @22586 has 61 MA's), (180, 22748), (182, 22754), (189, 22775), (191, 22781), (204, 22823), (222, 22868), (234, 22910), (240, 22925), (320, 23033), (343, 23117), (426, 23393),

Gene: Schadenfreude_32 Start: 31926, Stop: 33086, Start Num: 62

Candidate Starts for Schadenfreude_32:

(Start: 62 @31926 has 296 MA's), (Start: 105 @32037 has 1 MA's), (122, 32082), (163, 32181), (182, 32241), (193, 32277), (205, 32301), (223, 32346), (225, 32352), (241, 32403), (257, 32442), (259, 32445), (267, 32457), (296, 32496), (319, 32529), (341, 32610), (348, 32655), (363, 32703), (374, 32739), (377, 32748), (379, 32754), (443, 32979),

Gene: Schueller_32 Start: 32091, Stop: 33251, Start Num: 62

Candidate Starts for Schueller_32:

(Start: 62 @32091 has 296 MA's), (Start: 105 @32202 has 1 MA's), (122, 32247), (163, 32346), (182, 32406), (193, 32442), (205, 32466), (223, 32511), (225, 32517), (241, 32568), (257, 32607), (259, 32610), (267, 32622), (296, 32661), (319, 32694), (341, 32775), (348, 32820), (363, 32868), (374, 32904), (377, 32913), (379, 32919), (443, 33144),

Gene: Scoot17C_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for Scoot17C_33:

(Start: 62 @32368 has 296 MA's), (Start: 105 @32479 has 1 MA's), (122, 32524), (163, 32623), (182, 32683), (193, 32719), (205, 32743), (223, 32788), (225, 32794), (241, 32845), (257, 32884), (259, 32887), (267, 32899), (280, 32914), (296, 32938), (319, 32971), (341, 33052), (348, 33097), (363, 33145), (374, 33181), (377, 33190), (379, 33196), (443, 33421),

Gene: Scrick_33 Start: 32093, Stop: 33253, Start Num: 62

Candidate Starts for Scrick_33:

(Start: 62 @32093 has 296 MA's), (Start: 105 @32204 has 1 MA's), (122, 32249), (163, 32348), (182, 32408), (193, 32444), (205, 32468), (223, 32513), (225, 32519), (241, 32570), (257, 32609), (259, 32612), (267, 32624), (280, 32639), (296, 32663), (319, 32696), (341, 32777), (348, 32822), (363, 32870), (374, 32906), (377, 32915), (379, 32921), (443, 33146),

Gene: Sejanus_28 Start: 29684, Stop: 30844, Start Num: 62

Candidate Starts for Sejanus_28:

(Start: 62 @29684 has 296 MA's), (72, 29720), (85, 29753), (Start: 105 @29798 has 1 MA's), (122, 29843), (123, 29846), (193, 30038), (205, 30062), (208, 30068), (225, 30113), (226, 30116), (241, 30164), (272, 30227), (273, 30230), (299, 30263), (335, 30338), (341, 30368), (372, 30491), (375, 30500), (377, 30506), (460, 30827),

Gene: Selr12_33 Start: 32097, Stop: 33257, Start Num: 62

Candidate Starts for Selr12_33:

(Start: 62 @32097 has 296 MA's), (Start: 105 @32208 has 1 MA's), (122, 32253), (163, 32352), (182, 32412), (193, 32448), (205, 32472), (223, 32517), (225, 32523), (241, 32574), (257, 32613), (259,

32616), (267, 32628), (280, 32643), (296, 32667), (319, 32700), (341, 32781), (348, 32826), (363, 32874), (374, 32910), (377, 32919), (379, 32925), (443, 33150),

Gene: Serendipitous_31 Start: 32443, Stop: 33945, Start Num: 19

Candidate Starts for Serendipitous_31:

(Start: 19 @32443 has 9 MA's), (22, 32461), (23, 32473), (25, 32482), (31, 32536), (37, 32554), (44, 32632), (48, 32647), (52, 32659), (81, 32767), (102, 32815), (110, 32827), (139, 32920), (151, 32947), (158, 32965), (Start: 162 @32974 has 3 MA's), (164, 32983), (168, 33001), (186, 33052), (191, 33067), (197, 33088), (215, 33139), (242, 33223), (245, 33229), (254, 33253), (267, 33274), (281, 33301), (315, 33385), (323, 33412), (335, 33451), (343, 33487), (393, 33700), (432, 33811), (461, 33931),

Gene: Serendipity_33 Start: 32393, Stop: 33553, Start Num: 62

Candidate Starts for Serendipity_33:

(Start: 62 @32393 has 296 MA's), (Start: 105 @32504 has 1 MA's), (122, 32549), (163, 32648), (182, 32708), (193, 32744), (205, 32768), (223, 32813), (225, 32819), (241, 32870), (257, 32909), (259, 32912), (267, 32924), (280, 32939), (296, 32963), (319, 32996), (341, 33077), (348, 33122), (363, 33170), (374, 33206), (377, 33215), (379, 33221), (443, 33446),

Gene: Serpentine_0033 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Serpentine_0033:

(Start: 62 @32374 has 296 MA's), (Start: 105 @32485 has 1 MA's), (122, 32530), (163, 32629), (182, 32689), (193, 32725), (205, 32749), (223, 32794), (225, 32800), (241, 32851), (257, 32890), (259, 32893), (267, 32905), (280, 32920), (296, 32944), (319, 32977), (341, 33058), (348, 33103), (363, 33151), (374, 33187), (377, 33196), (379, 33202), (443, 33427),

Gene: SgtBeansprout_24 Start: 22900, Stop: 23907, Start Num: 116

Candidate Starts for SgtBeansprout_24:

(89, 22849), (94, 22861), (Start: 116 @22900 has 61 MA's), (140, 22960), (170, 23032), (189, 23086), (195, 23107), (240, 23236), (262, 23281), (264, 23284), (318, 23341), (319, 23344), (334, 23389), (342, 23425), (363, 23521), (368, 23533), (402, 23653), (439, 23785),

Gene: Shadow1_27 Start: 22543, Stop: 23604, Start Num: 116

Candidate Starts for Shadow1_27:

(69, 22453), (Start: 116 @22543 has 61 MA's), (151, 22624), (160, 22642), (195, 22750), (199, 22762), (207, 22783), (240, 22879), (303, 22993), (318, 23044), (345, 23161), (355, 23176), (368, 23233), (379, 23272), (429, 23461),

Gene: Shaobing_28 Start: 22728, Stop: 23693, Start Num: 114

Candidate Starts for Shaobing_28:

(Start: 114 @22728 has 91 MA's), (118, 22734), (177, 22887), (183, 22905), (189, 22923), (199, 22956), (217, 22998), (234, 23058), (240, 23073), (341, 23259), (342, 23262), (358, 23334), (379, 23403), (391, 23451), (400, 23466), (411, 23499), (425, 23538), (452, 23637),

Gene: ShedlockHolmes_28 Start: 23930, Stop: 24949, Start Num: 116

Candidate Starts for ShedlockHolmes_28:

(20, 23549), (21, 23561), (27, 23597), (30, 23621), (45, 23741), (69, 23840), (91, 23897), (Start: 116 @23930 has 61 MA's), (125, 23963), (170, 24062), (173, 24068), (177, 24080), (195, 24137), (197, 24143), (220, 24203), (240, 24266), (244, 24275), (261, 24311), (285, 24332), (291, 24344), (323, 24383), (341, 24452), (364, 24551), (379, 24599), (385, 24635), (403, 24698), (418, 24740), (429, 24788), (441, 24830), (458, 24926),

Gene: Sheila_33 Start: 32411, Stop: 33571, Start Num: 62

Candidate Starts for Sheila_33:

(Start: 62 @32411 has 296 MA's), (Start: 105 @32522 has 1 MA's), (122, 32567), (163, 32666), (182, 32726), (193, 32762), (205, 32786), (223, 32831), (225, 32837), (241, 32888), (257, 32927), (259, 32930), (267, 32942), (280, 32957), (296, 32981), (319, 33014), (341, 33095), (348, 33140), (363, 33188), (374, 33224), (377, 33233), (379, 33239), (443, 33464),

Gene: Shenandoah_33 Start: 32195, Stop: 33397, Start Num: 65

Candidate Starts for Shenandoah_33:

(Start: 65 @32195 has 73 MA's), (73, 32228), (131, 32372), (134, 32381), (138, 32390), (157, 32429), (161, 32438), (166, 32456), (170, 32474), (177, 32492), (179, 32498), (183, 32510), (189, 32528), (193, 32543), (210, 32576), (220, 32603), (233, 32648), (270, 32729), (283, 32756), (290, 32774), (297, 32792), (315, 32834), (322, 32858), (343, 32933), (345, 32963), (363, 33023), (368, 33035), (372, 33053), (394, 33155), (429, 33260), (432, 33266), (435, 33284), (457, 33371),

Gene: Sheng711_21 Start: 21427, Stop: 22581, Start Num: 65

Candidate Starts for Sheng711_21:

(Start: 65 @21427 has 73 MA's), (103, 21529), (110, 21541), (134, 21610), (170, 21703), (189, 21757), (201, 21787), (204, 21796), (221, 21835), (235, 21883), (245, 21907), (249, 21919), (288, 21943), (326, 22033), (356, 22150), (360, 22186), (363, 22195), (380, 22252), (386, 22291),

Gene: Shenyu_32 Start: 32544, Stop: 34049, Start Num: 19

Candidate Starts for Shenyu_32:

(Start: 19 @32544 has 9 MA's), (25, 32583), (37, 32655), (42, 32715), (44, 32733), (48, 32748), (132, 33000), (143, 33030), (151, 33048), (Start: 162 @33075 has 3 MA's), (168, 33102), (202, 33204), (215, 33243), (220, 33258), (245, 33333), (267, 33378), (270, 33384), (274, 33393), (315, 33489), (335, 33555), (343, 33591), (393, 33804), (432, 33915), (461, 34035),

Gene: ShiVal_33 Start: 32367, Stop: 33527, Start Num: 62

Candidate Starts for ShiVal_33:

(Start: 62 @32367 has 296 MA's), (Start: 105 @32478 has 1 MA's), (122, 32523), (163, 32622), (182, 32682), (193, 32718), (205, 32742), (223, 32787), (225, 32793), (241, 32844), (257, 32883), (259, 32886), (267, 32898), (296, 32937), (319, 32970), (341, 33051), (348, 33096), (363, 33144), (374, 33180), (377, 33189), (379, 33195), (443, 33420),

Gene: ShiaSurprise_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for ShiaSurprise_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (Start: 162 @23467 has 3 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (368, 23992), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: ShrimpFriedEgg_21 Start: 19877, Stop: 21031, Start Num: 88

Candidate Starts for ShrimpFriedEgg_21:

(34, 19640), (39, 19682), (43, 19712), (49, 19742), (63, 19802), (78, 19856), (Start: 88 @19877 has 25 MA's), (112, 19940), (120, 19958), (Start: 135 @20006 has 1 MA's), (Start: 162 @20066 has 3 MA's), (164, 20075), (167, 20090), (176, 20114), (184, 20138), (188, 20150), (215, 20225), (219, 20234), (226, 20258), (233, 20288), (251, 20333), (252, 20336), (255, 20342), (285, 20372), (287, 20375), (295, 20396), (341, 20555), (360, 20645), (363, 20654), (372, 20684), (379, 20705), (458, 21008),

Gene: Sigman_33 Start: 32359, Stop: 33519, Start Num: 62

Candidate Starts for Sigman_33:

(Start: 62 @32359 has 296 MA's), (Start: 105 @32470 has 1 MA's), (122, 32515), (163, 32614), (182, 32674), (193, 32710), (205, 32734), (223, 32779), (225, 32785), (241, 32836), (257, 32875), (259, 32878), (267, 32890), (280, 32905), (296, 32929), (319, 32962), (341, 33043), (348, 33088), (363, 33136), (374, 33172), (377, 33181), (379, 33187), (443, 33412),

Gene: SilverBell_33 Start: 32389, Stop: 33549, Start Num: 62

Candidate Starts for SilverBell_33:

(Start: 62 @32389 has 296 MA's), (Start: 105 @32500 has 1 MA's), (122, 32545), (163, 32644), (182, 32704), (193, 32740), (205, 32764), (223, 32809), (225, 32815), (241, 32866), (257, 32905), (259, 32908), (267, 32920), (296, 32959), (319, 32992), (341, 33073), (348, 33118), (363, 33166), (374, 33202), (377, 33211), (379, 33217), (443, 33442),

Gene: Silverleaf_21 Start: 21688, Stop: 22860, Start Num: 65

Candidate Starts for Silverleaf_21:

(Start: 64 @21685 has 5 MA's), (Start: 65 @21688 has 73 MA's), (Start: 113 @21814 has 1 MA's), (128, 21856), (133, 21868), (134, 21871), (151, 21904), (156, 21916), (170, 21964), (177, 21982), (189, 22018), (193, 22033), (218, 22084), (227, 22114), (240, 22156), (250, 22180), (292, 22216), (294, 22222), (309, 22249), (315, 22267), (343, 22360), (344, 22363), (361, 22447), (398, 22585), (407, 22603), (431, 22687),

Gene: Simielle_32 Start: 32062, Stop: 33222, Start Num: 62

Candidate Starts for Simielle_32:

(Start: 62 @32062 has 296 MA's), (Start: 105 @32173 has 1 MA's), (122, 32218), (163, 32317), (182, 32377), (193, 32413), (205, 32437), (223, 32482), (225, 32488), (241, 32539), (257, 32578), (259, 32581), (267, 32593), (280, 32608), (296, 32632), (319, 32665), (341, 32746), (348, 32791), (363, 32839), (374, 32875), (377, 32884), (379, 32890), (443, 33115),

Gene: SirBeauregard_33 Start: 32066, Stop: 33226, Start Num: 62

Candidate Starts for SirBeauregard_33:

(Start: 62 @32066 has 296 MA's), (Start: 105 @32177 has 1 MA's), (122, 32222), (163, 32321), (182, 32381), (193, 32417), (205, 32441), (223, 32486), (225, 32492), (241, 32543), (257, 32582), (259, 32585), (267, 32597), (296, 32636), (319, 32669), (341, 32750), (348, 32795), (363, 32843), (374, 32879), (377, 32888), (379, 32894), (443, 33119),

Gene: SirJeffery_32 Start: 32588, Stop: 34093, Start Num: 19

Candidate Starts for SirJeffery_32:

(Start: 19 @32588 has 9 MA's), (22, 32606), (25, 32627), (31, 32681), (42, 32759), (44, 32777), (48, 32792), (52, 32804), (131, 33041), (151, 33092), (Start: 162 @33119 has 3 MA's), (168, 33146), (197, 33233), (202, 33248), (215, 33287), (245, 33377), (274, 33437), (323, 33560), (335, 33599), (343, 33635), (432, 33959), (461, 34079),

Gene: SirPhilip_27 Start: 22229, Stop: 23257, Start Num: 116

Candidate Starts for SirPhilip_27:

(Start: 116 @22229 has 61 MA's), (183, 22400), (189, 22418), (204, 22466), (227, 22526), (240, 22568), (246, 22586), (259, 22610), (315, 22661), (324, 22685), (338, 22742), (342, 22757), (358, 22829), (379, 22898),

Gene: Skippy_33 Start: 32357, Stop: 33517, Start Num: 62

Candidate Starts for Skippy_33:

(Start: 62 @32357 has 296 MA's), (Start: 105 @32468 has 1 MA's), (122, 32513), (163, 32612), (182, 32672), (193, 32708), (205, 32732), (223, 32777), (225, 32783), (241, 32834), (257, 32873), (259, 32876), (267, 32888), (296, 32927), (319, 32960), (341, 33041), (348, 33086), (363, 33134), (374, 33170), (377, 33179), (379, 33185), (443, 33410),

Gene: Skysand_47 Start: 36418, Stop: 37479, Start Num: 106

Candidate Starts for Skysand_47:

(Start: 106 @36418 has 23 MA's), (175, 36604), (238, 36790), (239, 36793), (343, 37003),

Gene: Slarp_29 Start: 24596, Stop: 25600, Start Num: 116

Candidate Starts for Slarp_29:

(Start: 116 @24596 has 61 MA's), (183, 24764), (197, 24809), (199, 24815), (220, 24869), (223, 24878), (249, 24959), (262, 24980), (267, 24986), (269, 24989), (341, 25121), (342, 25124), (372, 25247),

Gene: Slatt_33 Start: 32383, Stop: 33543, Start Num: 62

Candidate Starts for Slatt_33:

(Start: 62 @32383 has 296 MA's), (Start: 105 @32494 has 1 MA's), (122, 32539), (163, 32638), (182, 32698), (193, 32734), (205, 32758), (223, 32803), (225, 32809), (241, 32860), (257, 32899), (259, 32902), (267, 32914), (296, 32953), (319, 32986), (341, 33067), (348, 33112), (363, 33160), (374, 33196), (377, 33205), (379, 33211), (443, 33436),

Gene: Slimphazie_28 Start: 23323, Stop: 24336, Start Num: 114

Candidate Starts for Slimphazie_28:

(15, 22879), (32, 23026), (90, 23278), (Start: 114 @23323 has 91 MA's), (Start: 162 @23434 has 3 MA's), (199, 23548), (240, 23665), (259, 23707), (269, 23719), (319, 23773), (341, 23851), (363, 23947), (368, 23959), (376, 23989), (379, 23998), (409, 24112), (429, 24181),

Gene: SlippinJimmy_33 Start: 32984, Stop: 34186, Start Num: 65

Candidate Starts for SlippinJimmy_33:

(Start: 65 @32984 has 73 MA's), (73, 33017), (131, 33161), (134, 33170), (138, 33179), (157, 33218), (161, 33227), (166, 33245), (170, 33263), (177, 33281), (179, 33287), (183, 33299), (189, 33317), (193, 33332), (210, 33365), (220, 33392), (233, 33437), (270, 33518), (283, 33545), (290, 33563), (297, 33581), (315, 33623), (345, 33752), (352, 33761), (372, 33842), (394, 33944), (416, 34001), (419, 34010), (429, 34049), (445, 34121), (458, 34163),

Gene: Snekmaggedon_21 Start: 20006, Stop: 21031, Start Num: 135

Candidate Starts for Snekmaggedon_21:

(34, 19640), (39, 19682), (43, 19712), (49, 19742), (63, 19802), (78, 19856), (Start: 88 @19877 has 25 MA's), (120, 19958), (Start: 135 @20006 has 1 MA's), (Start: 162 @20066 has 3 MA's), (164, 20075), (167, 20090), (176, 20114), (184, 20138), (188, 20150), (215, 20225), (219, 20234), (226, 20258), (233, 20288), (285, 20372), (287, 20375), (295, 20396), (341, 20555), (360, 20645), (363, 20654), (372, 20684), (379, 20705), (458, 21008),

Gene: Snenia_22 Start: 22248, Stop: 23465, Start Num: 65

Candidate Starts for Snenia_22:

(Start: 65 @22248 has 73 MA's), (103, 22350), (110, 22362), (117, 22380), (121, 22389), (133, 22428), (151, 22464), (157, 22479), (160, 22485), (167, 22515), (168, 22518), (181, 22554), (185, 22566), (204, 22617), (206, 22620), (228, 22680), (236, 22707), (242, 22722), (245, 22728), (249, 22740), (276, 22800), (288, 22824), (315, 22884), (342, 22980), (345, 23013), (369, 23085), (374, 23109), (437, 23337), (440, 23349),

Gene: Soile_33 Start: 32089, Stop: 33249, Start Num: 62

Candidate Starts for Soile_33:

(Start: 62 @32089 has 296 MA's), (Start: 105 @32200 has 1 MA's), (122, 32245), (163, 32344), (182, 32404), (193, 32440), (205, 32464), (223, 32509), (225, 32515), (241, 32566), (257, 32605), (259, 32608), (267, 32620), (296, 32659), (319, 32692), (341, 32773), (348, 32818), (363, 32866), (374, 32902), (377, 32911), (379, 32917), (443, 33142),

Gene: Solosis_32 Start: 32084, Stop: 33244, Start Num: 62

Candidate Starts for Solosis_32:

(Start: 62 @32084 has 296 MA's), (Start: 105 @32195 has 1 MA's), (122, 32240), (163, 32339), (182, 32399), (193, 32435), (205, 32459), (223, 32504), (225, 32510), (241, 32561), (257, 32600), (259, 32603), (267, 32615), (280, 32630), (296, 32654), (319, 32687), (341, 32768), (348, 32813), (363, 32861), (374, 32897), (377, 32906), (379, 32912), (443, 33137),

Gene: Sophia_32 Start: 32084, Stop: 33244, Start Num: 62

Candidate Starts for Sophia_32:

(Start: 62 @32084 has 296 MA's), (Start: 105 @32195 has 1 MA's), (122, 32240), (163, 32339), (182, 32399), (193, 32435), (205, 32459), (223, 32504), (225, 32510), (241, 32561), (257, 32600), (259, 32603), (267, 32615), (296, 32654), (319, 32687), (341, 32768), (348, 32813), (363, 32861), (374, 32897), (377, 32906), (379, 32912), (443, 33137),

Gene: Soto_33 Start: 32377, Stop: 33537, Start Num: 62

Candidate Starts for Soto_33:

(Start: 62 @32377 has 296 MA's), (Start: 105 @32488 has 1 MA's), (122, 32533), (163, 32632), (182, 32692), (193, 32728), (205, 32752), (223, 32797), (225, 32803), (241, 32854), (257, 32893), (259, 32896), (267, 32908), (280, 32923), (296, 32947), (319, 32980), (341, 33061), (348, 33106), (363, 33154), (374, 33190), (377, 33199), (379, 33205), (443, 33430),

Gene: Spartan300_33 Start: 32363, Stop: 33523, Start Num: 62

Candidate Starts for Spartan300_33:

(Start: 62 @32363 has 296 MA's), (Start: 105 @32474 has 1 MA's), (122, 32519), (163, 32618), (182, 32678), (193, 32714), (205, 32738), (223, 32783), (225, 32789), (241, 32840), (257, 32879), (259, 32882), (267, 32894), (296, 32933), (319, 32966), (341, 33047), (348, 33092), (363, 33140), (374, 33176), (377, 33185), (379, 33191), (443, 33416),

Gene: Spock_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Spock_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: SpongeBob_21 Start: 19877, Stop: 21031, Start Num: 88

Candidate Starts for SpongeBob_21:

(34, 19640), (39, 19682), (43, 19712), (49, 19742), (63, 19802), (78, 19856), (Start: 88 @19877 has 25 MA's), (120, 19958), (Start: 135 @20006 has 1 MA's), (Start: 162 @20066 has 3 MA's), (164, 20075), (167, 20090), (176, 20114), (184, 20138), (188, 20150), (215, 20225), (219, 20234), (226, 20258), (233, 20288), (285, 20372), (287, 20375), (295, 20396), (341, 20555), (360, 20645), (363, 20654), (372, 20684), (379, 20705), (458, 21008),

Gene: Squid_33 Start: 32075, Stop: 33235, Start Num: 62

Candidate Starts for Squid_33:

(Start: 62 @32075 has 296 MA's), (Start: 105 @32186 has 1 MA's), (122, 32231), (163, 32330), (182, 32390), (193, 32426), (205, 32450), (223, 32495), (225, 32501), (241, 32552), (257, 32591), (259, 32594), (267, 32606), (296, 32645), (319, 32678), (341, 32759), (348, 32804), (363, 32852), (374, 32888), (377, 32897), (379, 32903), (443, 33128),

Gene: Squiggle_33 Start: 32087, Stop: 33247, Start Num: 62

Candidate Starts for Squiggle_33:

(Start: 62 @32087 has 296 MA's), (Start: 105 @32198 has 1 MA's), (122, 32243), (163, 32342), (182, 32402), (193, 32438), (205, 32462), (223, 32507), (225, 32513), (241, 32564), (257, 32603), (259, 32606), (267, 32618), (280, 32633), (296, 32657), (319, 32690), (341, 32771), (348, 32816), (363, 32864), (374, 32900), (377, 32909), (379, 32915), (443, 33140),

Gene: Squirry_20 Start: 19922, Stop: 21079, Start Num: 88

Candidate Starts for Squirry_20:

(Start: 88 @19922 has 25 MA's), (120, 20003), (125, 20030), (Start: 135 @20051 has 1 MA's), (Start: 162 @20111 has 3 MA's), (167, 20135), (169, 20141), (176, 20159), (180, 20171), (184, 20183), (188, 20195), (199, 20231), (209, 20255), (215, 20270), (219, 20279), (226, 20303), (229, 20318), (233, 20333), (285, 20417), (287, 20420), (295, 20441), (301, 20462), (307, 20471), (310, 20483), (311, 20492), (379, 20753), (392, 20822), (458, 21056),

Gene: StarStruck_46 Start: 35932, Stop: 36987, Start Num: 106

Candidate Starts for StarStruck_46:

(79, 35869), (Start: 106 @35932 has 23 MA's), (185, 36145), (239, 36304), (248, 36328), (368, 36616), (448, 36916), (458, 36961),

Gene: Stargaze_23 Start: 23284, Stop: 24429, Start Num: 62

Candidate Starts for Stargaze_23:

(3, 22495), (7, 22654), (8, 22762), (11, 22864), (54, 23260), (Start: 62 @23284 has 296 MA's), (Start: 105 @23395 has 1 MA's), (111, 23410), (157, 23521), (177, 23584), (182, 23599), (233, 23746), (239, 23761), (260, 23812), (291, 23845), (328, 23908), (340, 23959), (342, 23968), (383, 24136),

Gene: Stinger_28 Start: 31182, Stop: 32339, Start Num: 66

Candidate Starts for Stinger_28:

(9, 30657), (10, 30678), (Start: 66 @31182 has 25 MA's), (71, 31209), (Start: 105 @31290 has 1 MA's), (111, 31305), (117, 31317), (122, 31335), (166, 31443), (176, 31476), (179, 31485), (185, 31503), (193, 31530), (206, 31545), (210, 31551), (212, 31557), (223, 31581), (226, 31590), (228, 31599), (239, 31632), (264, 31665), (272, 31677), (274, 31683), (300, 31743), (302, 31755), (315, 31761), (335, 31827), (340, 31851), (342, 31860), (379, 32007), (420, 32160),

Gene: StinkyVeggy_34 Start: 32734, Stop: 34239, Start Num: 19

Candidate Starts for StinkyVeggy_34:

(Start: 19 @32734 has 9 MA's), (25, 32773), (37, 32845), (42, 32905), (44, 32923), (48, 32938), (132, 33190), (143, 33220), (151, 33238), (Start: 162 @33265 has 3 MA's), (168, 33292), (202, 33394), (215, 33433), (220, 33448), (245, 33523), (267, 33568), (270, 33574), (274, 33583), (315, 33679), (335, 33745), (343, 33781), (393, 33994), (432, 34105), (461, 34225),

Gene: Stinson_29 Start: 23565, Stop: 24578, Start Num: 114

Candidate Starts for Stinson_29:

(Start: 114 @23565 has 91 MA's), (Start: 162 @23676 has 3 MA's), (199, 23790), (240, 23907), (259, 23949), (319, 24015), (323, 24024), (341, 24093), (363, 24189), (368, 24201), (409, 24354), (429, 24423), (452, 24519),

Gene: Strobilo_25 Start: 21282, Stop: 22277, Start Num: 116

Candidate Starts for Strobilo_25:

(69, 21198), (Start: 116 @21282 has 61 MA's), (149, 21363), (160, 21387), (180, 21447), (197, 21501), (199, 21507), (234, 21609), (235, 21612), (256, 21660), (259, 21666), (318, 21729), (319, 21732), (332, 21774), (343, 21816), (361, 21900), (379, 21957), (456, 22254),

Gene: Struggle_32 Start: 31925, Stop: 33085, Start Num: 62

Candidate Starts for Struggle_32:

(Start: 62 @31925 has 296 MA's), (Start: 105 @32036 has 1 MA's), (122, 32081), (163, 32180), (182, 32240), (193, 32276), (205, 32300), (223, 32345), (225, 32351), (241, 32402), (257, 32441), (259, 32444), (267, 32456), (280, 32471), (296, 32495), (319, 32528), (341, 32609), (363, 32702), (374, 32738), (377, 32747), (379, 32753), (443, 32978),

Gene: Stuck_25 Start: 21224, Stop: 22435, Start Num: 88

Candidate Starts for Stuck_25:

(Start: 88 @21224 has 25 MA's), (120, 21305), (Start: 135 @21353 has 1 MA's), (150, 21383), (Start: 162 @21413 has 3 MA's), (164, 21422), (167, 21437), (169, 21443), (176, 21461), (184, 21485), (188, 21497), (199, 21533), (215, 21572), (219, 21581), (226, 21605), (231, 21626), (233, 21635), (274, 21722), (278, 21743), (285, 21779), (287, 21782), (295, 21803), (310, 21845), (341, 21962), (346, 21998), (349, 22004), (379, 22109),

Gene: Suffolk_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Suffolk_33:

(Start: 62 @32374 has 296 MA's), (Start: 105 @32485 has 1 MA's), (122, 32530), (163, 32629), (182, 32689), (193, 32725), (205, 32749), (223, 32794), (225, 32800), (241, 32851), (257, 32890), (259, 32893), (267, 32905), (296, 32944), (319, 32977), (341, 33058), (348, 33103), (363, 33151), (374, 33187), (377, 33196), (379, 33202), (443, 33427),

Gene: Suigeneris_32 Start: 32591, Stop: 34096, Start Num: 19

Candidate Starts for Suigeneris_32:

(Start: 19 @32591 has 9 MA's), (22, 32609), (25, 32630), (31, 32684), (42, 32762), (44, 32780), (48, 32795), (52, 32807), (131, 33044), (151, 33095), (Start: 162 @33122 has 3 MA's), (168, 33149), (197, 33236), (202, 33251), (215, 33290), (245, 33380), (274, 33440), (323, 33563), (335, 33602), (343, 33638), (432, 33962), (461, 34082),

Gene: Sulley_28 Start: 23289, Stop: 24302, Start Num: 114

Candidate Starts for Sulley_28:

(Start: 114 @23289 has 91 MA's), (Start: 162 @23400 has 3 MA's), (199, 23514), (240, 23631), (269, 23685), (319, 23739), (341, 23817), (363, 23913), (368, 23925), (376, 23955), (379, 23964), (409, 24078), (429, 24147),

Gene: Sunflower1121_27 Start: 22555, Stop: 23616, Start Num: 116

Candidate Starts for Sunflower1121_27:

(69, 22465), (Start: 116 @22555 has 61 MA's), (151, 22636), (160, 22654), (195, 22762), (199, 22774), (207, 22795), (240, 22891), (303, 23005), (318, 23056), (345, 23173), (368, 23245), (379, 23284), (408, 23404), (429, 23473),

Gene: SuperSulley_46 Start: 36118, Stop: 37173, Start Num: 106

Candidate Starts for SuperSulley_46:

(Start: 106 @36118 has 23 MA's), (185, 36331), (248, 36514), (368, 36802), (458, 37147),

Gene: Surely_33 Start: 32377, Stop: 33537, Start Num: 62

Candidate Starts for Surely_33:

(Start: 62 @32377 has 296 MA's), (Start: 105 @32488 has 1 MA's), (122, 32533), (163, 32632), (182, 32692), (193, 32728), (205, 32752), (223, 32797), (225, 32803), (241, 32854), (257, 32893), (259, 32896), (267, 32908), (296, 32947), (319, 32980), (341, 33061), (348, 33106), (363, 33154), (374, 33190), (377, 33199), (379, 33205), (443, 33430),

Gene: SwainyDoc_33 Start: 32217, Stop: 33419, Start Num: 65

Candidate Starts for SwainyDoc_33:

(Start: 65 @32217 has 73 MA's), (73, 32250), (131, 32394), (134, 32403), (138, 32412), (157, 32451), (161, 32460), (166, 32478), (170, 32496), (177, 32514), (179, 32520), (183, 32532), (189, 32550), (193, 32565), (210, 32598), (220, 32625), (233, 32670), (270, 32751), (283, 32778), (290, 32796), (297, 32814), (315, 32856), (322, 32880), (343, 32955), (345, 32985), (363, 33045), (368, 33057), (372, 33075), (394, 33177), (429, 33282), (432, 33288), (435, 33306), (457, 33393),

Gene: Swiphy_34 Start: 32372, Stop: 33532, Start Num: 62

Candidate Starts for Swiphy_34:

(Start: 62 @32372 has 296 MA's), (Start: 105 @32483 has 1 MA's), (122, 32528), (163, 32627), (182, 32687), (193, 32723), (205, 32747), (223, 32792), (225, 32798), (241, 32849), (257, 32888), (259, 32891), (267, 32903), (296, 32942), (319, 32975), (341, 33056), (363, 33149), (374, 33185), (377, 33194), (379, 33200), (443, 33425),

Gene: Swish_33 Start: 32360, Stop: 33520, Start Num: 62

Candidate Starts for Swish_33:

(Start: 62 @32360 has 296 MA's), (Start: 105 @32471 has 1 MA's), (122, 32516), (163, 32615), (182, 32675), (193, 32711), (205, 32735), (223, 32780), (225, 32786), (241, 32837), (257, 32876), (259, 32879), (267, 32891), (280, 32906), (296, 32930), (319, 32963), (341, 33044), (348, 33089), (363, 33137), (374, 33173), (377, 33182), (379, 33188), (443, 33413),

Gene: SynergyX_33 Start: 32223, Stop: 33425, Start Num: 65

Candidate Starts for SynergyX_33:

(Start: 65 @32223 has 73 MA's), (73, 32256), (131, 32400), (134, 32409), (138, 32418), (157, 32457), (161, 32466), (166, 32484), (170, 32502), (177, 32520), (179, 32526), (183, 32538), (189, 32556), (193, 32571), (210, 32604), (220, 32631), (233, 32676), (270, 32757), (283, 32784), (290, 32802), (297, 32820), (315, 32862), (322, 32886), (343, 32961), (345, 32991), (363, 33051), (368, 33063), (372, 33081), (394, 33183), (429, 33288), (432, 33294), (435, 33312), (457, 33399),

Gene: Syra333_28 Start: 22645, Stop: 23640, Start Num: 116

Candidate Starts for Syra333_28:

(69, 22555), (Start: 116 @22645 has 61 MA's), (160, 22744), (Start: 162 @22750 has 3 MA's), (214, 22900), (240, 22981), (341, 23167), (342, 23170), (360, 23254), (363, 23263), (374, 23299), (420, 23449), (454, 23599), (458, 23617),

Gene: TA17A_34 Start: 32678, Stop: 33841, Start Num: 62

Candidate Starts for TA17A_34:

(Start: 60 @32672 has 11 MA's), (Start: 62 @32678 has 296 MA's), (73, 32717), (85, 32747), (Start: 105 @32792 has 1 MA's), (122, 32837), (163, 32936), (182, 32996), (193, 33032), (205, 33056), (223, 33101), (225, 33107), (241, 33158), (257, 33197), (259, 33200), (267, 33212), (296, 33251), (319, 33284), (341, 33365), (348, 33410), (363, 33458), (374, 33494), (377, 33503), (379, 33509), (443, 33734),

Gene: TBond007_28 Start: 23723, Stop: 24787, Start Num: 116

Candidate Starts for TBond007_28:

(12, 23171), (14, 23237), (16, 23300), (18, 23333), (24, 23375), (45, 23534), (69, 23633), (91, 23690), (Start: 116 @23723 has 61 MA's), (170, 23855), (173, 23861), (195, 23930), (197, 23936), (220, 23996), (227, 24017), (230, 24032), (265, 24110), (341, 24302), (345, 24338), (359, 24386), (372, 24428), (407, 24554),

Gene: TClif_28 Start: 22714, Stop: 23739, Start Num: 116

Candidate Starts for TClif_28:

(Start: 116 @22714 has 61 MA's), (158, 22813), (160, 22816), (180, 22876), (194, 22921), (207, 22957), (235, 23041), (256, 23089), (323, 23173), (331, 23197), (342, 23248), (359, 23329), (433, 23581), (441, 23620), (458, 23716),

Gene: TM4_25 Start: 21422, Stop: 22426, Start Num: 116

Candidate Starts for TM4_25:

(Start: 116 @21422 has 61 MA's), (160, 21527), (180, 21587), (183, 21596), (197, 21641), (199, 21647), (220, 21701), (236, 21755), (265, 21815), (293, 21848), (319, 21872), (342, 21953), (343, 21956), (361, 22040), (372, 22076), (456, 22403),

Gene: Tachez_28 Start: 23285, Stop: 24298, Start Num: 114

Candidate Starts for Tachez_28:

(15, 22841), (32, 22988), (90, 23240), (Start: 114 @23285 has 91 MA's), (Start: 162 @23396 has 3 MA's), (199, 23510), (240, 23627), (259, 23669), (269, 23681), (319, 23735), (341, 23813), (363, 23909), (368, 23921), (376, 23951), (379, 23960), (409, 24074), (429, 24143),

Gene: TaiwanKao_29 Start: 23407, Stop: 24309, Start Num: 162

Candidate Starts for TaiwanKao_29:

(90, 23251), (Start: 114 @23296 has 91 MA's), (Start: 162 @23407 has 3 MA's), (199, 23521), (240, 23638), (259, 23680), (269, 23692), (319, 23746), (341, 23824), (359, 23908), (363, 23920), (368, 23932), (379, 23971), (402, 24061), (452, 24250),

Gene: TallGrassMM_33 Start: 31999, Stop: 33159, Start Num: 62

Candidate Starts for TallGrassMM_33:

(Start: 62 @31999 has 296 MA's), (Start: 105 @32110 has 1 MA's), (122, 32155), (163, 32254), (182, 32314), (193, 32350), (205, 32374), (223, 32419), (225, 32425), (241, 32476), (257, 32515), (259, 32518), (267, 32530), (280, 32545), (296, 32569), (319, 32602), (341, 32683), (348, 32728), (363, 32776), (374, 32812), (377, 32821), (379, 32827), (443, 33052),

Gene: Taptic_25 Start: 29324, Stop: 30529, Start Num: 59

Candidate Starts for Taptic_25:

(Start: 58 @29321 has 2 MA's), (Start: 59 @29324 has 7 MA's), (85, 29393), (117, 29462), (124, 29492), (131, 29504), (133, 29510), (134, 29513), (138, 29522), (157, 29561), (161, 29570), (164, 29582), (182, 29639), (185, 29648), (189, 29660), (193, 29675), (215, 29720), (220, 29735), (233, 29780), (262, 29849), (279, 29876), (288, 29900), (304, 29945), (315, 29966), (322, 29990), (343, 30065), (345, 30095), (363, 30155), (368, 30167), (372, 30185), (394, 30287), (432, 30398), (435, 30416), (447, 30467), (457, 30503),

Gene: Teejan_24 Start: 22861, Stop: 23907, Start Num: 94

Candidate Starts for Teejan_24:

(89, 22849), (94, 22861), (Start: 116 @22900 has 61 MA's), (140, 22960), (170, 23032), (189, 23086), (195, 23107), (240, 23236), (262, 23281), (264, 23284), (318, 23341), (319, 23344), (334, 23389), (342, 23425), (363, 23521), (368, 23533), (402, 23653), (439, 23785),

Gene: Telesworld_32 Start: 32072, Stop: 33232, Start Num: 62

Candidate Starts for Telesworld_32:

(Start: 62 @32072 has 296 MA's), (Start: 105 @32183 has 1 MA's), (122, 32228), (163, 32327), (182, 32387), (193, 32423), (205, 32447), (223, 32492), (225, 32498), (241, 32549), (257, 32588), (259, 32591), (267, 32603), (296, 32642), (319, 32675), (341, 32756), (348, 32801), (363, 32849), (374, 32885), (377, 32894), (379, 32900), (443, 33125),

Gene: Thora_33 Start: 32376, Stop: 33536, Start Num: 62

Candidate Starts for Thora_33:

(Start: 62 @32376 has 296 MA's), (Start: 105 @32487 has 1 MA's), (122, 32532), (163, 32631), (182, 32691), (193, 32727), (205, 32751), (223, 32796), (225, 32802), (241, 32853), (257, 32892), (259, 32895), (267, 32907), (296, 32946), (319, 32979), (341, 33060), (348, 33105), (363, 33153), (374, 33189), (377, 33198), (379, 33204), (443, 33429),

Gene: ThreeOh3D2_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for ThreeOh3D2_33:

(Start: 62 @32374 has 296 MA's), (Start: 105 @32485 has 1 MA's), (122, 32530), (163, 32629), (182, 32689), (193, 32725), (205, 32749), (223, 32794), (225, 32800), (241, 32851), (257, 32890), (259, 32893), (267, 32905), (280, 32920), (296, 32944), (319, 32977), (341, 33058), (348, 33103), (363, 33151), (374, 33187), (377, 33196), (379, 33202), (443, 33427),

Gene: Thunderbird_32 Start: 32080, Stop: 33240, Start Num: 62

Candidate Starts for Thunderbird_32:

(Start: 62 @32080 has 296 MA's), (Start: 105 @32191 has 1 MA's), (122, 32236), (163, 32335), (182, 32395), (193, 32431), (205, 32455), (223, 32500), (225, 32506), (241, 32557), (257, 32596), (259, 32599), (267, 32611), (280, 32626), (296, 32650), (319, 32683), (341, 32764), (363, 32857), (374, 32893), (377, 32902), (379, 32908), (443, 33133),

Gene: Tierra_28 Start: 23391, Stop: 24452, Start Num: 116

Candidate Starts for Tierra_28:

(Start: 116 @23391 has 61 MA's), (150, 23469), (151, 23472), (160, 23490), (174, 23532), (195, 23598), (207, 23631), (240, 23727), (245, 23739), (303, 23841), (318, 23892), (345, 24009), (413, 24252), (420, 24270), (429, 24309),

Gene: Timmi_32 Start: 32085, Stop: 33245, Start Num: 62

Candidate Starts for Timmi_32:

(Start: 62 @32085 has 296 MA's), (Start: 105 @32196 has 1 MA's), (122, 32241), (163, 32340), (182, 32400), (193, 32436), (205, 32460), (223, 32505), (225, 32511), (241, 32562), (257, 32601), (259, 32604), (267, 32616), (296, 32655), (319, 32688), (341, 32769), (348, 32814), (363, 32862), (374, 32898), (377, 32907), (379, 32913), (443, 33138),

Gene: Tinciduntolum_34 Start: 32810, Stop: 33979, Start Num: 60

Candidate Starts for Tinciduntolum_34:

(35, 32669), (Start: 60 @32810 has 11 MA's), (Start: 62 @32816 has 296 MA's), (73, 32855), (85, 32885), (Start: 105 @32930 has 1 MA's), (122, 32975), (163, 33074), (182, 33134), (193, 33170), (205, 33194), (223, 33239), (225, 33245), (241, 33296), (257, 33335), (259, 33338), (267, 33350), (280, 33365), (296, 33389), (319, 33422), (341, 33503), (363, 33596), (374, 33632), (377, 33641), (379, 33647), (390, 33707), (443, 33872),

Gene: TingHuaYa_28 Start: 22494, Stop: 23501, Start Num: 116

Candidate Starts for TingHuaYa_28:

(Start: 116 @22494 has 61 MA's), (159, 22593), (199, 22713), (207, 22734), (240, 22830), (319, 22938), (341, 23016), (363, 23112), (368, 23124), (379, 23163), (426, 23334), (429, 23346),

Gene: TiniBug_28 Start: 23281, Stop: 24294, Start Num: 114

Candidate Starts for TiniBug_28:

(90, 23236), (Start: 114 @23281 has 91 MA's), (Start: 162 @23392 has 3 MA's), (199, 23506), (240, 23623), (269, 23677), (319, 23731), (341, 23809), (363, 23905), (368, 23917), (379, 23956), (385, 23992), (407, 24061), (429, 24139), (452, 24235),

Gene: TinyTerror_33 Start: 32208, Stop: 33410, Start Num: 65

Candidate Starts for TinyTerror_33:

(Start: 65 @32208 has 73 MA's), (131, 32385), (134, 32394), (138, 32403), (157, 32442), (161, 32451), (166, 32469), (182, 32520), (185, 32529), (189, 32541), (191, 32547), (193, 32556), (215, 32601), (220, 32616), (233, 32661), (247, 32700), (262, 32730), (272, 32745), (279, 32757), (288, 32781), (304, 32826), (315, 32847), (322, 32871), (343, 32946), (345, 32976), (363, 33036), (368, 33048), (372, 33066), (394, 33168), (429, 33273), (432, 33279), (435, 33297), (457, 33384),

Gene: Tiri_28 Start: 23328, Stop: 24341, Start Num: 114

Candidate Starts for Tiri_28:

(15, 22884), (90, 23283), (Start: 114 @23328 has 91 MA's), (Start: 162 @23439 has 3 MA's), (199, 23553), (240, 23670), (259, 23712), (269, 23724), (319, 23778), (341, 23856), (359, 23940), (363, 23952), (368, 23964), (379, 24003), (409, 24117), (429, 24186),

Gene: TomBombadil_33 Start: 32370, Stop: 33530, Start Num: 62

Candidate Starts for TomBombadil_33:

(Start: 62 @32370 has 296 MA's), (Start: 105 @32481 has 1 MA's), (122, 32526), (163, 32625), (182, 32685), (193, 32721), (205, 32745), (223, 32790), (225, 32796), (241, 32847), (257, 32886), (259, 32889), (267, 32901), (280, 32916), (296, 32940), (319, 32973), (341, 33054), (363, 33147), (374, 33183), (377, 33192), (379, 33198), (443, 33423),

Gene: Tomlarah_33 Start: 32361, Stop: 33521, Start Num: 62

Candidate Starts for Tomlarah_33:

(Start: 62 @32361 has 296 MA's), (Start: 105 @32472 has 1 MA's), (122, 32517), (163, 32616), (182, 32676), (193, 32712), (205, 32736), (223, 32781), (225, 32787), (241, 32838), (257, 32877), (259, 32880), (267, 32892), (280, 32907), (296, 32931), (319, 32964), (341, 33045), (348, 33090), (363, 33138), (374, 33174), (377, 33183), (379, 33189), (443, 33414),

Gene: Toni_32 Start: 32077, Stop: 33237, Start Num: 62

Candidate Starts for Toni_32:

(Start: 62 @32077 has 296 MA's), (Start: 105 @32188 has 1 MA's), (122, 32233), (163, 32332), (182, 32392), (193, 32428), (205, 32452), (223, 32497), (225, 32503), (241, 32554), (257, 32593), (259, 32596), (267, 32608), (280, 32623), (296, 32647), (319, 32680), (341, 32761), (348, 32806), (363, 32854), (374, 32890), (377, 32899), (379, 32905), (443, 33130),

Gene: TooFast2Furius_34 Start: 32606, Stop: 33766, Start Num: 62

Candidate Starts for TooFast2Furius_34:

(Start: 62 @32606 has 296 MA's), (Start: 105 @32717 has 1 MA's), (122, 32762), (163, 32861), (182, 32921), (193, 32957), (205, 32981), (223, 33026), (225, 33032), (241, 33083), (257, 33122), (259, 33125), (267, 33137), (280, 33152), (296, 33176), (319, 33209), (341, 33290), (348, 33335), (363, 33383), (374, 33419), (377, 33428), (379, 33434), (443, 33659),

Gene: Tooj_33 Start: 32434, Stop: 33594, Start Num: 62

Candidate Starts for Tooj_33:

(Start: 62 @32434 has 296 MA's), (Start: 105 @32545 has 1 MA's), (122, 32590), (163, 32689), (182, 32749), (193, 32785), (205, 32809), (223, 32854), (225, 32860), (241, 32911), (257, 32950), (259, 32953), (267, 32965), (296, 33004), (319, 33037), (341, 33118), (348, 33163), (363, 33211), (374, 33247), (377, 33256), (379, 33262), (443, 33487),

Gene: Topper_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Topper_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Torres_24 Start: 23086, Stop: 23907, Start Num: 189

Candidate Starts for Torres_24:

(89, 22849), (94, 22861), (Start: 116 @22900 has 61 MA's), (140, 22960), (170, 23032), (189, 23086), (195, 23107), (240, 23236), (262, 23281), (264, 23284), (318, 23341), (319, 23344), (334, 23389), (342, 23425), (363, 23521), (368, 23533), (402, 23653), (439, 23785),

Gene: Tortellini_22 Start: 21866, Stop: 22936, Start Num: 88

Candidate Starts for Tortellini_22:

(Start: 88 @21866 has 25 MA's), (180, 22106), (192, 22142), (198, 22151), (200, 22157), (219, 22202), (232, 22247), (239, 22265), (249, 22292), (310, 22373), (342, 22454), (378, 22592), (379, 22595),

Gene: Tracker_44 Start: 34752, Stop: 35810, Start Num: 106

Candidate Starts for Tracker_44:

(1, 33312), (2, 33609), (4, 33840), (13, 34209), (51, 34587), (53, 34602), (57, 34620), (Start: 106 @34752 has 23 MA's), (229, 35097), (246, 35148), (287, 35196),

Gene: Tres_33 Start: 32691, Stop: 33854, Start Num: 62

Candidate Starts for Tres_33:

(35, 32544), (Start: 60 @32685 has 11 MA's), (Start: 62 @32691 has 296 MA's), (73, 32730), (85, 32760), (Start: 105 @32805 has 1 MA's), (122, 32850), (163, 32949), (182, 33009), (193, 33045), (205, 33069), (223, 33114), (225, 33120), (241, 33171), (257, 33210), (259, 33213), (267, 33225), (280, 33240), (296, 33264), (319, 33297), (341, 33378), (363, 33471), (374, 33507), (377, 33516), (379, 33522), (443, 33747),

Gene: TreyKay_28 Start: 23290, Stop: 24303, Start Num: 114

Candidate Starts for TreyKay_28:

(90, 23245), (Start: 114 @23290 has 91 MA's), (Start: 162 @23401 has 3 MA's), (199, 23515), (240, 23632), (259, 23674), (269, 23686), (319, 23740), (341, 23818), (359, 23902), (363, 23914), (368, 23926), (379, 23965), (452, 24244),

Gene: TriFive_22 Start: 22247, Stop: 23464, Start Num: 65

Candidate Starts for TriFive_22:

(Start: 65 @22247 has 73 MA's), (103, 22349), (110, 22361), (117, 22379), (121, 22388), (133, 22427), (151, 22463), (157, 22478), (160, 22484), (167, 22514), (168, 22517), (181, 22553), (185, 22565), (204, 22616), (206, 22619), (228, 22679), (236, 22706), (242, 22721), (245, 22727), (249, 22739), (276, 22799), (288, 22823), (315, 22883), (342, 22979), (345, 23012), (369, 23084), (374, 23108), (437, 23336), (440, 23348),

Gene: TribbleTrouble_27 Start: 23874, Stop: 24935, Start Num: 116

Candidate Starts for TribbleTrouble_27:

(69, 23769), (Start: 116 @23874 has 61 MA's), (125, 23907), (147, 23946), (167, 23997), (170, 24006), (180, 24033), (195, 24081), (220, 24147), (230, 24183), (235, 24198), (242, 24216), (244, 24219), (249, 24234), (301, 24321), (345, 24492), (429, 24792),

Gene: True_32 Start: 32074, Stop: 33234, Start Num: 62

Candidate Starts for True_32:

(Start: 62 @32074 has 296 MA's), (Start: 105 @32185 has 1 MA's), (122, 32230), (163, 32329), (182, 32389), (193, 32425), (205, 32449), (223, 32494), (225, 32500), (241, 32551), (257, 32590), (259, 32593), (267, 32605), (280, 32620), (296, 32644), (319, 32677), (341, 32758), (348, 32803), (363, 32851), (374, 32887), (377, 32896), (379, 32902), (443, 33127),

Gene: TruffulaTree_28 Start: 23319, Stop: 24332, Start Num: 114

Candidate Starts for TruffulaTree_28:

(15, 22875), (90, 23274), (Start: 114 @23319 has 91 MA's), (199, 23544), (240, 23661), (259, 23703), (269, 23715), (319, 23769), (341, 23847), (363, 23943), (368, 23955), (376, 23985), (379, 23994), (409, 24108), (429, 24177),

Gene: Trypo_33 Start: 32370, Stop: 33530, Start Num: 62

Candidate Starts for Trypo_33:

(Start: 62 @32370 has 296 MA's), (Start: 105 @32481 has 1 MA's), (122, 32526), (163, 32625), (182, 32685), (193, 32721), (205, 32745), (223, 32790), (225, 32796), (241, 32847), (257, 32886), (259, 32889), (267, 32901), (280, 32916), (296, 32940), (319, 32973), (341, 33054), (348, 33099), (363, 33147), (374, 33183), (377, 33192), (379, 33198), (443, 33423),

Gene: Twitch_28 Start: 23356, Stop: 24369, Start Num: 114

Candidate Starts for Twitch_28:

(15, 22912), (90, 23311), (Start: 114 @23356 has 91 MA's), (199, 23581), (240, 23698), (259, 23740), (269, 23752), (319, 23806), (341, 23884), (363, 23980), (376, 24022), (379, 24031), (409, 24145), (429, 24214),

Gene: Tydolla_33 Start: 32957, Stop: 34159, Start Num: 65

Candidate Starts for Tydolla_33:

(Start: 65 @32957 has 73 MA's), (73, 32990), (131, 33134), (134, 33143), (138, 33152), (157, 33191), (161, 33200), (166, 33218), (182, 33269), (185, 33278), (189, 33290), (191, 33296), (193, 33305), (215, 33350), (220, 33365), (233, 33410), (247, 33449), (262, 33479), (272, 33494), (279, 33506), (288, 33530), (304, 33575), (315, 33596), (322, 33620), (343, 33695), (345, 33725), (363, 33785), (368, 33797), (372, 33815), (394, 33917), (429, 34022), (432, 34028), (435, 34046), (457, 34133),

Gene: TyrionL_32 Start: 31933, Stop: 33093, Start Num: 62

Candidate Starts for TyrionL_32:

(Start: 62 @31933 has 296 MA's), (Start: 105 @32044 has 1 MA's), (122, 32089), (163, 32188), (182, 32248), (193, 32284), (205, 32308), (223, 32353), (225, 32359), (241, 32410), (257, 32449), (259, 32452), (267, 32464), (280, 32479), (296, 32503), (319, 32536), (341, 32617), (348, 32662), (363, 32710), (374, 32746), (377, 32755), (379, 32761), (443, 32986),

Gene: Tyson_21 Start: 21688, Stop: 22860, Start Num: 65

Candidate Starts for Tyson_21:

(Start: 64 @21685 has 5 MA's), (Start: 65 @21688 has 73 MA's), (Start: 113 @21814 has 1 MA's), (128, 21856), (133, 21868), (134, 21871), (151, 21904), (156, 21916), (170, 21964), (177, 21982), (189, 22018), (193, 22033), (218, 22084), (227, 22114), (240, 22156), (250, 22180), (292, 22216), (294, 22222), (309, 22249), (315, 22267), (343, 22360), (344, 22363), (361, 22447), (398, 22585), (407, 22603), (431, 22687),

Gene: UAch1_33 Start: 32383, Stop: 33543, Start Num: 62

Candidate Starts for UAch1_33:

(Start: 62 @32383 has 296 MA's), (Start: 105 @32494 has 1 MA's), (122, 32539), (163, 32638), (182, 32698), (193, 32734), (205, 32758), (223, 32803), (225, 32809), (241, 32860), (257, 32899), (259, 32902), (267, 32914), (296, 32953), (319, 32986), (341, 33067), (348, 33112), (363, 33160), (374, 33196), (377, 33205), (379, 33211), (443, 33436),

Gene: UPIE_21 Start: 21683, Stop: 22858, Start Num: 64

Candidate Starts for UPIE_21:

(Start: 64 @21683 has 5 MA's), (Start: 65 @21686 has 73 MA's), (Start: 113 @21812 has 1 MA's), (128, 21854), (133, 21866), (134, 21869), (151, 21902), (156, 21914), (170, 21962), (177, 21980), (189, 22016), (193, 22031), (218, 22082), (227, 22112), (240, 22154), (250, 22178), (292, 22214), (294, 22220), (309, 22247), (315, 22265), (343, 22358), (344, 22361), (361, 22445), (398, 22583), (407, 22601), (431, 22685),

Gene: UncleHowie_33 Start: 32073, Stop: 33233, Start Num: 62

Candidate Starts for UncleHowie_33:

(Start: 62 @32073 has 296 MA's), (Start: 105 @32184 has 1 MA's), (122, 32229), (163, 32328), (182, 32388), (193, 32424), (205, 32448), (223, 32493), (225, 32499), (241, 32550), (257, 32589), (259,

32592), (267, 32604), (280, 32619), (296, 32643), (319, 32676), (341, 32757), (348, 32802), (363, 32850), (374, 32886), (377, 32895), (379, 32901), (443, 33126),

Gene: Unicorn_28 Start: 22720, Stop: 23781, Start Num: 116

Candidate Starts for Unicorn_28:

(69, 22630), (91, 22687), (Start: 116 @22720 has 61 MA's), (160, 22819), (195, 22927), (199, 22939), (207, 22960), (240, 23056), (303, 23170), (318, 23221), (345, 23338), (413, 23581), (420, 23599), (429, 23638),

Gene: Urkel_28 Start: 23284, Stop: 24297, Start Num: 114

Candidate Starts for Urkel_28:

(90, 23239), (Start: 114 @23284 has 91 MA's), (Start: 162 @23395 has 3 MA's), (199, 23509), (240, 23626), (259, 23668), (269, 23680), (319, 23734), (341, 23812), (363, 23908), (368, 23920), (379, 23959), (385, 23995), (429, 24142), (452, 24238),

Gene: Usavi_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Usavi_33:

(Start: 62 @32374 has 296 MA's), (Start: 105 @32485 has 1 MA's), (122, 32530), (163, 32629), (182, 32689), (193, 32725), (205, 32749), (223, 32794), (225, 32800), (241, 32851), (257, 32890), (259, 32893), (267, 32905), (280, 32920), (296, 32944), (319, 32977), (341, 33058), (348, 33103), (363, 33151), (374, 33187), (377, 33196), (379, 33202), (443, 33427),

Gene: Vaishali24_32 Start: 32035, Stop: 33195, Start Num: 62

Candidate Starts for Vaishali24_32:

(Start: 62 @32035 has 296 MA's), (Start: 105 @32146 has 1 MA's), (122, 32191), (163, 32290), (182, 32350), (193, 32386), (205, 32410), (223, 32455), (225, 32461), (241, 32512), (257, 32551), (259, 32554), (267, 32566), (296, 32605), (319, 32638), (341, 32719), (348, 32764), (363, 32812), (374, 32848), (377, 32857), (379, 32863), (443, 33088),

Gene: Validus_28 Start: 22666, Stop: 23631, Start Num: 114

Candidate Starts for Validus_28:

(100, 22630), (Start: 114 @22666 has 91 MA's), (118, 22672), (Start: 162 @22780 has 3 MA's), (170, 22807), (189, 22861), (217, 22936), (246, 23029), (289, 23083), (341, 23197), (342, 23200), (361, 23284), (379, 23341), (393, 23395), (411, 23437), (425, 23476),

Gene: Valjean_33 Start: 32366, Stop: 33526, Start Num: 62

Candidate Starts for Valjean_33:

(Start: 62 @32366 has 296 MA's), (Start: 105 @32477 has 1 MA's), (122, 32522), (163, 32621), (182, 32681), (193, 32717), (205, 32741), (223, 32786), (225, 32792), (241, 32843), (257, 32882), (259, 32885), (267, 32897), (296, 32936), (319, 32969), (341, 33050), (348, 33095), (363, 33143), (374, 33179), (377, 33188), (379, 33194), (443, 33419),

Gene: Vaticameos_33 Start: 32064, Stop: 33224, Start Num: 62

Candidate Starts for Vaticameos_33:

(Start: 62 @32064 has 296 MA's), (Start: 105 @32175 has 1 MA's), (122, 32220), (163, 32319), (182, 32379), (193, 32415), (205, 32439), (223, 32484), (225, 32490), (241, 32541), (257, 32580), (259, 32583), (267, 32595), (280, 32610), (296, 32634), (319, 32667), (341, 32748), (348, 32793), (363, 32841), (374, 32877), (377, 32886), (379, 32892), (443, 33117),

Gene: Veliki_28 Start: 23359, Stop: 24372, Start Num: 114

Candidate Starts for Veliki_28:

(15, 22915), (32, 23062), (90, 23314), (Start: 114 @23359 has 91 MA's), (Start: 162 @23470 has 3 MA's), (199, 23584), (240, 23701), (259, 23743), (269, 23755), (319, 23809), (341, 23887), (363,

23983), (368, 23995), (376, 24025), (379, 24034), (409, 24148), (429, 24217),

Gene: Velveteen_20 Start: 20087, Stop: 21244, Start Num: 83

Candidate Starts for Velveteen_20:

(Start: 83 @20087 has 3 MA's), (Start: 88 @20090 has 25 MA's), (Start: 135 @20219 has 1 MA's), (150, 20249), (Start: 162 @20279 has 3 MA's), (164, 20288), (167, 20303), (176, 20327), (184, 20351), (188, 20363), (215, 20438), (219, 20447), (226, 20471), (233, 20501), (285, 20585), (287, 20588), (295, 20609), (360, 20858), (363, 20867), (372, 20897), (379, 20918), (392, 20987), (458, 21221),

Gene: Veritas_32 Start: 31936, Stop: 33096, Start Num: 62

Candidate Starts for Veritas_32:

(Start: 62 @31936 has 296 MA's), (Start: 105 @32047 has 1 MA's), (122, 32092), (163, 32191), (182, 32251), (193, 32287), (205, 32311), (223, 32356), (225, 32362), (241, 32413), (257, 32452), (259, 32455), (267, 32467), (296, 32506), (319, 32539), (341, 32620), (363, 32713), (374, 32749), (377, 32758), (379, 32764), (443, 32989),

Gene: Vic9_00033 Start: 33132, Stop: 34337, Start Num: 59

Candidate Starts for Vic9_00033:

(33, 32988), (Start: 58 @33129 has 2 MA's), (Start: 59 @33132 has 7 MA's), (85, 33201), (117, 33270), (124, 33300), (131, 33312), (133, 33318), (134, 33321), (138, 33330), (157, 33369), (161, 33378), (164, 33390), (182, 33447), (185, 33456), (189, 33468), (193, 33483), (215, 33528), (220, 33543), (233, 33588), (262, 33657), (279, 33684), (288, 33708), (306, 33756), (309, 33762), (315, 33774), (322, 33798), (343, 33873), (345, 33903), (363, 33963), (368, 33975), (372, 33993), (393, 34092), (394, 34095), (429, 34200), (432, 34206), (445, 34272), (447, 34275),

Gene: Vincenzo_31 Start: 33326, Stop: 34483, Start Num: 66

Candidate Starts for Vincenzo_31:

(Start: 66 @33326 has 25 MA's), (99, 33419), (Start: 105 @33434 has 1 MA's), (111, 33449), (117, 33461), (122, 33479), (161, 33569), (176, 33620), (179, 33629), (185, 33647), (193, 33674), (206, 33689), (210, 33695), (212, 33701), (226, 33734), (228, 33743), (239, 33776), (264, 33809), (272, 33821), (286, 33854), (292, 33869), (302, 33899), (315, 33905), (335, 33971), (340, 33995), (342, 34004), (379, 34151), (420, 34304),

Gene: VioletZ_30 Start: 32678, Stop: 33835, Start Num: 66

Candidate Starts for VioletZ_30:

(Start: 66 @32678 has 25 MA's), (99, 32771), (Start: 105 @32786 has 1 MA's), (111, 32801), (117, 32813), (122, 32831), (139, 32873), (161, 32921), (176, 32972), (179, 32981), (185, 32999), (193, 33026), (206, 33041), (210, 33047), (212, 33053), (215, 33059), (226, 33086), (228, 33095), (239, 33128), (264, 33161), (292, 33221), (302, 33251), (315, 33257), (330, 33302), (342, 33356), (343, 33359), (379, 33503), (420, 33656),

Gene: Virapocalypse_33 Start: 32361, Stop: 33521, Start Num: 62

Candidate Starts for Virapocalypse_33:

(Start: 62 @32361 has 296 MA's), (Start: 105 @32472 has 1 MA's), (122, 32517), (163, 32616), (182, 32676), (193, 32712), (205, 32736), (223, 32781), (225, 32787), (241, 32838), (257, 32877), (259, 32880), (267, 32892), (296, 32931), (319, 32964), (341, 33045), (348, 33090), (363, 33138), (374, 33174), (377, 33183), (379, 33189), (443, 33414),

Gene: Virgeve_32 Start: 32141, Stop: 33301, Start Num: 62

Candidate Starts for Virgeve_32:

(Start: 62 @32141 has 296 MA's), (Start: 105 @32252 has 1 MA's), (122, 32297), (163, 32396), (182, 32456), (193, 32492), (205, 32516), (223, 32561), (225, 32567), (241, 32618), (257, 32657), (259, 32660), (267, 32672), (296, 32711), (319, 32744), (341, 32825), (348, 32870), (363, 32918), (374,

32954), (377, 32963), (379, 32969), (443, 33194),

Gene: Vista_33 Start: 32374, Stop: 33534, Start Num: 62

Candidate Starts for Vista_33:

(Start: 62 @32374 has 296 MA's), (Start: 105 @32485 has 1 MA's), (122, 32530), (163, 32629), (182, 32689), (193, 32725), (205, 32749), (223, 32794), (225, 32800), (241, 32851), (257, 32890), (259, 32893), (267, 32905), (280, 32920), (296, 32944), (319, 32977), (341, 33058), (348, 33103), (363, 33151), (374, 33187), (377, 33196), (379, 33202), (443, 33427),

Gene: Vivaldi_33 Start: 32403, Stop: 33563, Start Num: 62

Candidate Starts for Vivaldi_33:

(Start: 62 @32403 has 296 MA's), (Start: 105 @32514 has 1 MA's), (122, 32559), (163, 32658), (182, 32718), (193, 32754), (205, 32778), (223, 32823), (225, 32829), (241, 32880), (257, 32919), (259, 32922), (267, 32934), (296, 32973), (319, 33006), (341, 33087), (348, 33132), (363, 33180), (374, 33216), (377, 33225), (379, 33231), (443, 33456),

Gene: Vortex_33 Start: 32080, Stop: 33240, Start Num: 62

Candidate Starts for Vortex_33:

(Start: 62 @32080 has 296 MA's), (Start: 105 @32191 has 1 MA's), (122, 32236), (163, 32335), (182, 32395), (193, 32431), (205, 32455), (223, 32500), (225, 32506), (241, 32557), (257, 32596), (259, 32599), (267, 32611), (296, 32650), (319, 32683), (341, 32764), (348, 32809), (363, 32857), (374, 32893), (377, 32902), (379, 32908), (443, 33133),

Gene: Waleliano_30 Start: 32605, Stop: 33762, Start Num: 66

Candidate Starts for Waleliano_30:

(Start: 66 @32605 has 25 MA's), (99, 32698), (Start: 105 @32713 has 1 MA's), (111, 32728), (117, 32740), (122, 32758), (139, 32800), (176, 32899), (179, 32908), (185, 32926), (193, 32953), (206, 32968), (210, 32974), (212, 32980), (215, 32986), (226, 33013), (228, 33022), (239, 33055), (264, 33088), (292, 33148), (302, 33178), (315, 33184), (321, 33205), (330, 33229), (342, 33283), (343, 33286), (420, 33583),

Gene: Wallhey_32 Start: 31937, Stop: 33097, Start Num: 62

Candidate Starts for Wallhey_32:

(Start: 62 @31937 has 296 MA's), (Start: 105 @32048 has 1 MA's), (122, 32093), (163, 32192), (182, 32252), (193, 32288), (205, 32312), (223, 32357), (225, 32363), (241, 32414), (257, 32453), (259, 32456), (267, 32468), (280, 32483), (296, 32507), (319, 32540), (341, 32621), (348, 32666), (363, 32714), (374, 32750), (377, 32759), (379, 32765), (443, 32990),

Gene: Wamburgxpress_21 Start: 21701, Stop: 22873, Start Num: 65

Candidate Starts for Wamburgxpress_21:

(Start: 64 @21698 has 5 MA's), (Start: 65 @21701 has 73 MA's), (Start: 113 @21827 has 1 MA's), (128, 21869), (133, 21881), (134, 21884), (151, 21917), (156, 21929), (170, 21977), (177, 21995), (189, 22031), (193, 22046), (218, 22097), (227, 22127), (240, 22169), (250, 22193), (292, 22229), (294, 22235), (309, 22262), (315, 22280), (343, 22373), (344, 22376), (361, 22460), (398, 22598), (407, 22616), (431, 22700),

Gene: Waterdiva_33 Start: 32366, Stop: 33526, Start Num: 62

Candidate Starts for Waterdiva_33:

(Start: 62 @32366 has 296 MA's), (Start: 105 @32477 has 1 MA's), (122, 32522), (163, 32621), (182, 32681), (193, 32717), (205, 32741), (223, 32786), (225, 32792), (241, 32843), (257, 32882), (259, 32885), (267, 32897), (280, 32912), (296, 32936), (319, 32969), (341, 33050), (348, 33095), (363, 33143), (374, 33179), (377, 33188), (379, 33194), (443, 33419),

Gene: Weher20_33 Start: 32365, Stop: 33525, Start Num: 62

Candidate Starts for Weher20_33:

(Start: 62 @32365 has 296 MA's), (Start: 105 @32476 has 1 MA's), (122, 32521), (163, 32620), (182, 32680), (193, 32716), (205, 32740), (223, 32785), (225, 32791), (241, 32842), (257, 32881), (259, 32884), (267, 32896), (296, 32935), (319, 32968), (341, 33049), (363, 33142), (374, 33178), (377, 33187), (379, 33193), (443, 33418),

Gene: West99_33 Start: 32811, Stop: 33974, Start Num: 62

Candidate Starts for West99_33:

(35, 32664), (Start: 60 @32805 has 11 MA's), (Start: 62 @32811 has 296 MA's), (73, 32850), (85, 32880), (Start: 105 @32925 has 1 MA's), (122, 32970), (163, 33069), (182, 33129), (193, 33165), (205, 33189), (223, 33234), (225, 33240), (241, 33291), (257, 33330), (259, 33333), (267, 33345), (280, 33360), (296, 33384), (319, 33417), (341, 33498), (348, 33543), (363, 33591), (374, 33627), (377, 33636), (379, 33642), (443, 33867),

Gene: Wheezy_44 Start: 34957, Stop: 36015, Start Num: 106

Candidate Starts for Wheezy_44:

(1, 33517), (2, 33814), (4, 34045), (13, 34414), (51, 34792), (53, 34807), (57, 34825), (Start: 106 @34957 has 23 MA's), (229, 35302), (246, 35353), (287, 35401),

Gene: Windsor_32 Start: 32070, Stop: 33230, Start Num: 62

Candidate Starts for Windsor_32:

(Start: 62 @32070 has 296 MA's), (Start: 105 @32181 has 1 MA's), (122, 32226), (163, 32325), (182, 32385), (193, 32421), (205, 32445), (223, 32490), (225, 32496), (241, 32547), (257, 32586), (259, 32589), (267, 32601), (296, 32640), (319, 32673), (341, 32754), (348, 32799), (363, 32847), (374, 32883), (377, 32892), (379, 32898), (443, 33123),

Gene: Wintermute_29 Start: 24585, Stop: 25589, Start Num: 116

Candidate Starts for Wintermute_29:

(Start: 116 @24585 has 61 MA's), (142, 24654), (183, 24753), (197, 24798), (220, 24858), (223, 24867), (232, 24903), (249, 24948), (262, 24969), (267, 24975), (269, 24978), (341, 25110), (342, 25113), (372, 25236), (379, 25257), (448, 25524),

Gene: Wyatt2_21 Start: 21688, Stop: 22860, Start Num: 65

Candidate Starts for Wyatt2_21:

(Start: 64 @21685 has 5 MA's), (Start: 65 @21688 has 73 MA's), (Start: 113 @21814 has 1 MA's), (128, 21856), (133, 21868), (134, 21871), (151, 21904), (156, 21916), (170, 21964), (177, 21982), (189, 22018), (193, 22033), (218, 22084), (227, 22114), (240, 22156), (250, 22180), (292, 22216), (294, 22222), (309, 22249), (315, 22267), (343, 22360), (344, 22363), (361, 22447), (398, 22585), (407, 22603), (431, 22687),

Gene: Xavier_32 Start: 32087, Stop: 33247, Start Num: 62

Candidate Starts for Xavier_32:

(Start: 62 @32087 has 296 MA's), (Start: 105 @32198 has 1 MA's), (122, 32243), (163, 32342), (182, 32402), (193, 32438), (205, 32462), (223, 32507), (225, 32513), (241, 32564), (257, 32603), (259, 32606), (267, 32618), (296, 32657), (319, 32690), (341, 32771), (363, 32864), (374, 32900), (377, 32909), (379, 32915), (443, 33140),

Gene: Ximenita_29 Start: 22823, Stop: 23818, Start Num: 116

Candidate Starts for Ximenita_29:

(69, 22733), (Start: 116 @22823 has 61 MA's), (160, 22922), (Start: 162 @22928 has 3 MA's), (214, 23078), (240, 23159), (341, 23345), (342, 23348), (360, 23432), (420, 23627), (451, 23756), (454, 23777), (458, 23795),

Gene: Xincheng_29 Start: 32060, Stop: 33217, Start Num: 66

Candidate Starts for Xincheng_29:

(Start: 66 @32060 has 25 MA's), (99, 32153), (Start: 105 @32168 has 1 MA's), (111, 32183), (117, 32195), (122, 32213), (131, 32237), (139, 32255), (146, 32270), (176, 32354), (179, 32363), (185, 32381), (206, 32423), (210, 32429), (212, 32435), (215, 32441), (226, 32468), (228, 32477), (239, 32510), (264, 32543), (274, 32561), (292, 32603), (302, 32633), (315, 32639), (342, 32738), (343, 32741), (370, 32852), (379, 32885), (420, 33038), (426, 33062), (429, 33074),

Gene: Xula_21 Start: 20946, Stop: 22157, Start Num: 88

Candidate Starts for Xula_21:

(Start: 88 @20946 has 25 MA's), (97, 20970), (120, 21027), (Start: 135 @21075 has 1 MA's), (Start: 162 @21135 has 3 MA's), (164, 21144), (167, 21159), (176, 21183), (184, 21207), (188, 21219), (199, 21255), (215, 21294), (219, 21303), (226, 21327), (233, 21357), (273, 21441), (274, 21444), (278, 21465), (285, 21501), (287, 21504), (295, 21525), (310, 21567), (341, 21684), (346, 21720), (349, 21726), (379, 21831), (397, 21912),

Gene: Y10_29 Start: 24585, Stop: 25589, Start Num: 116

Candidate Starts for Y10_29:

(Start: 116 @24585 has 61 MA's), (142, 24654), (183, 24753), (197, 24798), (199, 24804), (220, 24858), (223, 24867), (232, 24903), (249, 24948), (262, 24969), (267, 24975), (269, 24978), (341, 25110), (342, 25113), (372, 25236), (379, 25257), (448, 25524),

Gene: Y2_29 Start: 24585, Stop: 25589, Start Num: 116

Candidate Starts for Y2_29:

(Start: 116 @24585 has 61 MA's), (142, 24654), (183, 24753), (197, 24798), (199, 24804), (220, 24858), (223, 24867), (232, 24903), (249, 24948), (262, 24969), (267, 24975), (269, 24978), (341, 25110), (342, 25113), (372, 25236), (379, 25257), (448, 25524),

Gene: Yahalom_33 Start: 32232, Stop: 33434, Start Num: 65

Candidate Starts for Yahalom_33:

(Start: 65 @32232 has 73 MA's), (73, 32265), (131, 32409), (134, 32418), (138, 32427), (157, 32466), (161, 32475), (166, 32493), (170, 32511), (177, 32529), (179, 32535), (183, 32547), (189, 32565), (193, 32580), (210, 32613), (220, 32640), (233, 32685), (270, 32766), (283, 32793), (290, 32811), (297, 32829), (315, 32871), (345, 33000), (372, 33090), (394, 33192), (416, 33249), (419, 33258), (429, 33297), (445, 33369), (458, 33411),

Gene: Yinz_33 Start: 32255, Stop: 33457, Start Num: 65

Candidate Starts for Yinz_33:

(Start: 65 @32255 has 73 MA's), (73, 32288), (131, 32432), (134, 32441), (138, 32450), (157, 32489), (161, 32498), (166, 32516), (170, 32534), (177, 32552), (179, 32558), (183, 32570), (189, 32588), (193, 32603), (210, 32636), (220, 32663), (233, 32708), (270, 32789), (283, 32816), (290, 32834), (297, 32852), (315, 32894), (345, 33023), (352, 33032), (372, 33113), (394, 33215), (416, 33272), (419, 33281), (429, 33320), (445, 33392), (458, 33434),

Gene: Yoshand_33 Start: 32373, Stop: 33533, Start Num: 62

Candidate Starts for Yoshand_33:

(Start: 62 @32373 has 296 MA's), (Start: 105 @32484 has 1 MA's), (122, 32529), (163, 32628), (182, 32688), (193, 32724), (205, 32748), (223, 32793), (225, 32799), (241, 32850), (257, 32889), (259, 32892), (267, 32904), (280, 32919), (296, 32943), (319, 32976), (341, 33057), (348, 33102), (363, 33150), (374, 33186), (377, 33195), (379, 33201), (443, 33426),

Gene: YouGoGlencoco_33 Start: 32368, Stop: 33528, Start Num: 62

Candidate Starts for YouGoGlencoco_33:

(Start: 62 @32368 has 296 MA's), (Start: 105 @32479 has 1 MA's), (122, 32524), (163, 32623), (182, 32683), (193, 32719), (205, 32743), (223, 32788), (225, 32794), (241, 32845), (257, 32884), (259, 32887), (267, 32899), (280, 32914), (296, 32938), (319, 32971), (341, 33052), (348, 33097), (363, 33145), (374, 33181), (377, 33190), (379, 33196), (443, 33421),

Gene: YoureAdopted_27 Start: 23292, Stop: 24305, Start Num: 114

Candidate Starts for YoureAdopted_27:

(15, 22848), (32, 22995), (90, 23247), (Start: 114 @23292 has 91 MA's), (Start: 162 @23403 has 3 MA's), (199, 23517), (240, 23634), (259, 23676), (269, 23688), (319, 23742), (341, 23820), (363, 23916), (368, 23928), (376, 23958), (379, 23967), (383, 24000), (409, 24081), (429, 24150),

Gene: Yuna_29 Start: 23206, Stop: 24168, Start Num: 114

Candidate Starts for Yuna_29:

(Start: 114 @23206 has 91 MA's), (218, 23476), (220, 23485), (229, 23518), (233, 23530), (236, 23539), (246, 23566), (331, 23689), (342, 23740), (358, 23809), (364, 23830), (406, 23950),

Gene: Yunkel11_28 Start: 22542, Stop: 23603, Start Num: 114

Candidate Starts for Yunkel11_28:

(Start: 114 @22542 has 91 MA's), (Start: 162 @22656 has 3 MA's), (199, 22770), (207, 22791), (236, 22878), (245, 22899), (246, 22905), (327, 23013), (341, 23073), (365, 23193), (366, 23199), (367, 23205), (383, 23295), (422, 23421), (425, 23436),

Gene: Zabiza_28 Start: 23323, Stop: 24336, Start Num: 114

Candidate Starts for Zabiza_28:

(15, 22879), (32, 23026), (90, 23278), (Start: 114 @23323 has 91 MA's), (Start: 162 @23434 has 3 MA's), (199, 23548), (240, 23665), (259, 23707), (269, 23719), (319, 23773), (341, 23851), (363, 23947), (368, 23959), (376, 23989), (379, 23998), (409, 24112), (429, 24181),

Gene: Zaider_34 Start: 32598, Stop: 33758, Start Num: 62

Candidate Starts for Zaider_34:

(Start: 62 @32598 has 296 MA's), (Start: 105 @32709 has 1 MA's), (122, 32754), (163, 32853), (182, 32913), (193, 32949), (205, 32973), (223, 33018), (225, 33024), (241, 33075), (257, 33114), (259, 33117), (267, 33129), (280, 33144), (296, 33168), (319, 33201), (341, 33282), (348, 33327), (363, 33375), (374, 33411), (377, 33420), (379, 33426), (443, 33651),

Gene: Zaria_21 Start: 21702, Stop: 22874, Start Num: 65

Candidate Starts for Zaria_21:

(Start: 64 @21699 has 5 MA's), (Start: 65 @21702 has 73 MA's), (Start: 113 @21828 has 1 MA's), (128, 21870), (133, 21882), (134, 21885), (151, 21918), (156, 21930), (160, 21939), (170, 21978), (177, 21996), (189, 22032), (193, 22047), (218, 22098), (227, 22128), (240, 22170), (250, 22194), (292, 22230), (294, 22236), (309, 22263), (315, 22281), (343, 22374), (344, 22377), (361, 22461), (398, 22599), (407, 22617), (431, 22701),

Gene: Zavala_28 Start: 23298, Stop: 24311, Start Num: 114

Candidate Starts for Zavala_28:

(15, 22854), (90, 23253), (Start: 114 @23298 has 91 MA's), (199, 23523), (240, 23640), (259, 23682), (269, 23694), (319, 23748), (341, 23826), (363, 23922), (368, 23934), (376, 23964), (379, 23973), (409, 24087), (429, 24156),

Gene: Zelda_33 Start: 32415, Stop: 33575, Start Num: 62

Candidate Starts for Zelda_33:

(Start: 62 @32415 has 296 MA's), (Start: 105 @32526 has 1 MA's), (122, 32571), (163, 32670), (182, 32730), (193, 32766), (205, 32790), (223, 32835), (225, 32841), (241, 32892), (257, 32931), (259, 32934), (267, 32946), (296, 32985), (319, 33018), (341, 33099), (348, 33144), (363, 33192), (374, 33228), (377, 33237), (379, 33243), (443, 33468),

Gene: Zemanar_31 Start: 32608, Stop: 33765, Start Num: 66

Candidate Starts for Zemanar_31:

(Start: 66 @32608 has 25 MA's), (99, 32701), (Start: 105 @32716 has 1 MA's), (111, 32731), (117, 32743), (122, 32761), (139, 32803), (176, 32902), (179, 32911), (185, 32929), (193, 32956), (206, 32971), (210, 32977), (212, 32983), (215, 32989), (226, 33016), (228, 33025), (239, 33058), (264, 33091), (292, 33151), (302, 33181), (315, 33187), (330, 33232), (342, 33286), (343, 33289), (379, 33433), (420, 33586),

Gene: ZoeJ_25 Start: 21223, Stop: 22245, Start Num: 116

Candidate Starts for ZoeJ_25:

(45, 21040), (69, 21139), (Start: 116 @21223 has 61 MA's), (160, 21325), (178, 21379), (180, 21385), (197, 21439), (199, 21445), (200, 21448), (228, 21526), (234, 21547), (235, 21550), (259, 21604), (343, 21754), (456, 22213), (458, 22222),

Gene: Zonia_33 Start: 32387, Stop: 33547, Start Num: 62

Candidate Starts for Zonia_33:

(Start: 62 @32387 has 296 MA's), (Start: 105 @32498 has 1 MA's), (122, 32543), (163, 32642), (182, 32702), (193, 32738), (205, 32762), (223, 32807), (225, 32813), (241, 32864), (257, 32903), (259, 32906), (267, 32918), (280, 32933), (296, 32957), (319, 32990), (341, 33071), (348, 33116), (363, 33164), (374, 33200), (377, 33209), (379, 33215), (443, 33440),