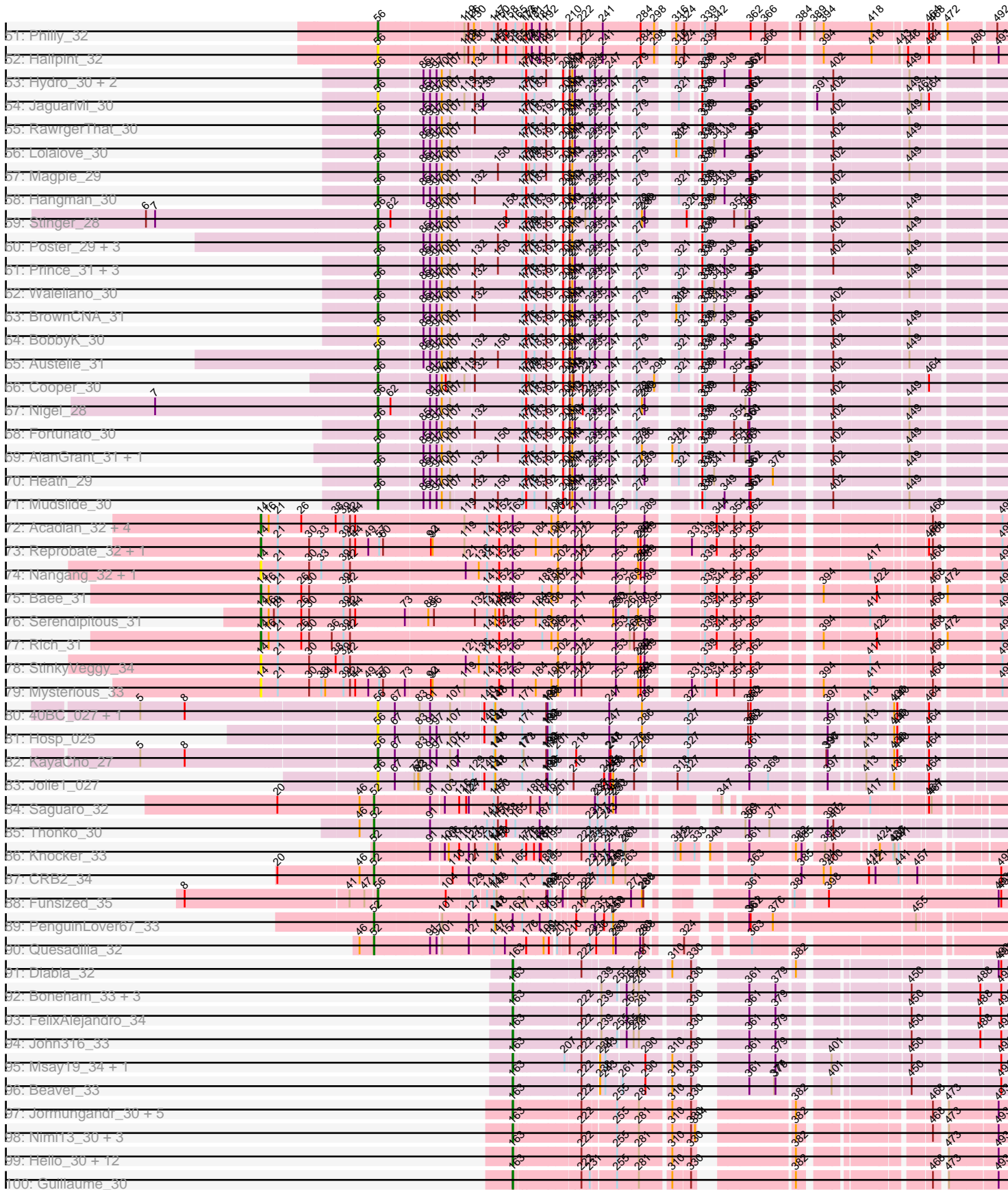
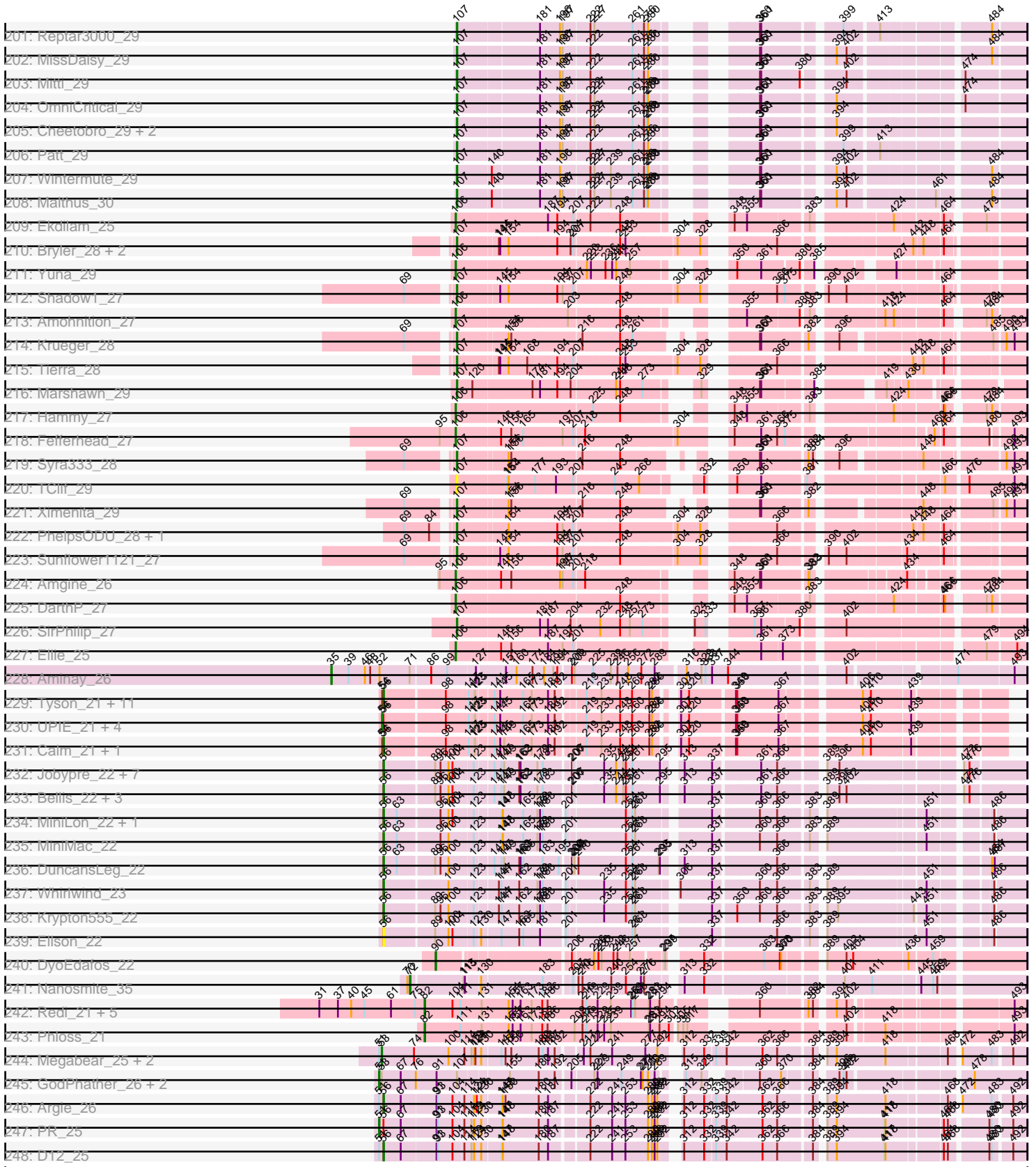


Pham 157459



Pham 157459



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 157459 Report

This analysis was run 04/13/24 on database version 558.

Pham number 157459 has 718 members, 78 are drafts.

Phages represented in each track:

- Track 1 : Gail_32
- Track 2 : EvilGenius_34
- Track 3 : Keziacharles14_32
- Track 4 : Arissanae_32
- Track 5 : Vanisoa_31
- Track 6 : Dori_29
- Track 7 : Mao1_27, Sejanus_28
- Track 8 : Mask_28
- Track 9 : Cannibal_33, Manad_32, Morgushi_33, UAch1_33, Schadenfreude_32, Timmi_32, Aelin_32, Coletti_32, PhrodoBaggins_32, Megatron_33, LeeLot_33, Robyn_32, Podrick_33, PinheadLarry_33, Lopsy_32, ProfessorX_33, Chute_32, Chaelin_33, Anderson_33, Harvey_33, SassyCat97_32, Chah_34, RedMaple_32, Iridoclysis_33, Kloppinator_33, Colbert_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, DelRivs_32, Spartan300_33, Suffolk_33, Sophia_32, Surely_33, Hetaeria_33, Chorkpop_33, Keitherie_33, Olive_33, Soile_33, Mulan_32, Thora_33, Valjean_33, Quisquilliae_33, Phleuron_32
- Track 10 : Schueller_33, 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 11 : Kailash_33, BatteryCK_32, Mag7_32, LostAndPhound_32, Potter_32, CampRoach_32, Jiminy_32, Phergie_32, LasagnaCat_33, Veritas_32, Swiphy_34, Doddsville_33, MitKao_33, Hartsy_32, Weher20_33, PhatLouie_33, Melc17_33, PhrankReynolds_32, PhenghisKhan_32, Xavier_32, Mosaic_32, DuchessDung_31, Dati_33, Oline_32, MichaelPhcott_32
- Track 12 : KingTut_24, Mana_32, Freya_32, Olak_33, Vaticameos_33, Sigman_33, Scoot17C_33, Dione_32, 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, Dingo_33, FriarPreacher_33, Murdoc_33, Bluephacebaby_32, Megamind20_33, Kwadwo_32, Pacifista_34, Roliet_33, Tomlarah_33, GeneCoco_33, Banjo_32, Badfish_33, Adriana_33, Held_33, Lego3393_33, Giraffe_33, Kimbrough_33, Lumine_32, Horchata_33, Oosterbaan_33, Longacauda_32, Nyala_32, Matalotodo_32, Phareon_33, KingVeVeVe_33, Kahve_32, Usavi_33, Inverness_33, LeiMonet_33, Eugenia_33, LemonSlice_33, MRabcd_32, LuckyMarjie_32, HighStump_32, HSavage_33,

DirtJuice_33, Frankicide_33, Mesh1_33, Zonia_33, Dice_34, YouGoGlencoco_33, Sheila_33, Cher_32, PG1_33, Boehler_33, JacAttac_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, OliverWalter_33, Vista_33, Yoshand_33, FluffyNinja_33, Toni_32, Swish_33, Hertubise_33, QueenBeane_33, Mutante_32, TallGrassMM_33, Serendipity_33, Roy17_33, Nacho_0033, Labeouficaum_32, CheetO_33, Placalicious_32, Omniscient_33, Serpentine_0033, KlimbOn_33, Haimas_33, Mikota_33, Childish_32, Basato_34, Waterdiva_33, Jillium_32, Nicole21_33, Grand2040_32, Solosis_32, ThreeOh3D2_33, Selr12_33, Maru_32, Kikipoo_33, Inchworm_33, UncleHowie_33, MiniBoss_33, Ricotta_33, Prickles_33, Pherdinand_33, Orwigg_33, Derpp_32, Magic8_33, TyrionL_32, KLucky39_33, AbsoluteMadLad_32, Buckeye_33, Pipsqueak_33, SDcharge11_33, Fang_33, Duggie_32, Wallhey_32

- Track 13 : Kwksand96_32, Durga_33, Ashraf_32, Emiris_33, Cobra_33, JDog_33, Fozzie_32, Pops_33, MelsMeow_32, Gyarad_0033, OSmaximus_33, Gwilliam_33, Etaye_33, Newman_33, Trypo_33, ImtiyazSitla_32, CharlieGBrown_32, Rimu_34, Crownjwl_33, MrPhizzler_32, Maskar_32, Gareth_32
- Track 14 : DaddyDaniels_33, TomBombadil_33, JakeO_32, Struggle_32
- Track 15 : Chunky_33
- Track 16 : Cosmolli16_32
- Track 17 : Eremos_33
- Track 18 : Daka_33, Cornobble_32
- Track 19 : Imvubu_25
- Track 20 : Indlovu_29
- Track 21 : LilMcDreamy_28
- Track 22 : Hashim76_35
- Track 23 : Zenteno07_35
- Track 24 : Lars_33, Rosebush_33, Arbiter_33, Hedgerow_33, Allegro_33, FrenchFry_33
- Track 25 : Kaleb_33, Eaglehorse_33, LizLemon_33
- Track 26 : TA17A_33
- Track 27 : Qyrzula_31
- Track 28 : Glass_33, Phantasmagoria_33, Faze9_33
- Track 29 : Coffee_33, Opia_33, Sabella_33, Holeinone_33, Tres_33
- Track 30 : Bananafish_33
- Track 31 : Kheth_33
- Track 32 : Blocker23_33, Lephleur_33
- Track 33 : Ares_33
- Track 34 : West99_33
- Track 35 : ItsyBitsy1_33, Calamitous_33
- Track 36 : Rhinoforte_33, Boyle_33
- Track 37 : Laurie_33
- Track 38 : Tinciduntolum_34, Brownie5_33
- Track 39 : Godines_33
- Track 40 : Devonte_33, RomaT_33, Nozo_33, ChaChing_33, Morty007_33, Marley1013_33, RagingRooster_33, Akoma_33, Chandler_33, LestyG_33, Abinghost_33, Deenasa_33, Heathcliff_33, Audrey_33, SynergyX_33, Neos5_33, Daisy_33, OrangeOswald_33
- Track 41 : Rita1961_33, Obutu_33
- Track 42 : Athena_34, Gervas_33, Tydolla_33, Baloo_33
- Track 43 : Compostia_34, GlenHope_34
- Track 44 : Mortcellus_32

- Track 45 : Yahalom_33, Phlyer_33, Jackstina_30, Gadget_34, Phaedrus_31, HarveySr_33
- Track 46 : SlippinJimmy_33, Kamiyu_33, Yinz_33
- Track 47 : Casbah_32
- Track 48 : Kronus_32, Ben11_32
- Track 49 : Bernardo_33
- Track 50 : MmasiCarm_33
- Track 51 : Philly_32
- Track 52 : Halfpint_32
- Track 53 : Hydro_30, Mithril_30, Zemanar_31
- Track 54 : JaguarMi_30
- Track 55 : RawrgerThat_30
- Track 56 : Lolalove_30
- Track 57 : Magpie_29
- Track 58 : Hangman_30
- Track 59 : Stinger_28
- Track 60 : Poster_29, JAMaL_30, ChrisnMich_29, Nanao_29
- Track 61 : Prince_31, VioletZ_30, Apex_30, Frederick_30
- Track 62 : Waleliano_30
- Track 63 : BrownCNA_31
- Track 64 : BobbyK_30
- Track 65 : Austelle_31
- Track 66 : Cooper_30
- Track 67 : Nigel_28
- Track 68 : Fortunato_30
- Track 69 : AlanGrant_31, Vincenzo_31
- Track 70 : Heath_29
- Track 71 : Mudslide_30
- Track 72 : Acadian_32, EastView9101_32, Suigeneris_32, SirJeffery_32, Donny_32
- Track 73 : Reprobate_32, Phelemich_32
- Track 74 : Nangang_32, DigitDog_32
- Track 75 : Bae_31
- Track 76 : Serendipitous_31
- Track 77 : Rich_31
- Track 78 : StinkyVeggy_34
- Track 79 : Mysterious_33
- Track 80 : 40BC_027, 39HC_027
- Track 81 : Hosp_025
- Track 82 : KayaCho_27
- Track 83 : Jolie1_027
- Track 84 : Saguaro_32
- Track 85 : Thonko_30
- Track 86 : Knocker_33
- Track 87 : CRB2_34
- Track 88 : Funsized_35
- Track 89 : PenguinLover67_33
- Track 90 : Quesadilla_32
- Track 91 : Diabla_32
- Track 92 : Boneham_33, Butterball_33, BirksAndSocks_33, Jellybones_33
- Track 93 : FelixAlejandro_34
- Track 94 : John316_33
- Track 95 : Msay19_34, Poland_36
- Track 96 : Beaver_33

- Track 97 : Jormungandr_30, Damp_30, Luker_31, Harambe_30, Lahirium_30, Sticker17_30
- Track 98 : Nimi13_30, Neoevie_30, Hail2Pitt_30, Anamika_30
- Track 99 : Hello_30, Berries_31, Bianmat_30, GalacticEye_30, Minos_31, Kaseim_31, Newt_31, Lidong_30, Charianelly_30, Teal_30, Shelley_30, Jams_30, MrWormie_30
- Track 100 : Guillaume_30
- Track 101 : Woes_30
- Track 102 : RavenCo17_26
- Track 103 : Skog_188
- Track 104 : Pupper_126
- Track 105 : SCentae_125, CherryTomatoes_129
- Track 106 : Ewald_30
- Track 107 : Nyceirae_31
- Track 108 : Phishy_30
- Track 109 : Vordorf_31
- Track 110 : Dogfish_30
- Track 111 : Meyran_29
- Track 112 : Sampudon_33, GOATification_34, Fulcrum_34, Jalebi_32
- Track 113 : Yikes_34
- Track 114 : BirthdayBoy_34
- Track 115 : GretelLyn_33, OtterstedtS21_33
- Track 116 : Apeppi_30, LuckyLeo_32
- Track 117 : Lila22_34
- Track 118 : Tillicus_33
- Track 119 : ParvusTarda_33
- Track 120 : Rumi_32
- Track 121 : Gibbin_34
- Track 122 : Patos_34, NorManre_34
- Track 123 : Erutan_33
- Track 124 : DoobyDoo_32
- Track 125 : NovaSharks_32, Alyssmiracle_33
- Track 126 : Benjamin420_35
- Track 127 : Zany_32
- Track 128 : Wojtek_32
- Track 129 : Lambo_33
- Track 130 : Avian_31
- Track 131 : Ranch_33
- Track 132 : MoiGyank_37
- Track 133 : Genamy16_33
- Track 134 : DumpsterDude_23
- Track 135 : Clifton_19, LastJedi_19, Crumble_19, Koella_19
- Track 136 : Ms6_19, SpongeBob_21, Jamie19_21
- Track 137 : Brocalys_20
- Track 138 : Squirty_20, Fulbright_21
- Track 139 : Jolie2_23
- Track 140 : Stargaze_23
- Track 141 : Mdavu_24, Amelie_24, Nikao_24, LilPharaoh_24, Enkosi_24, Binglebops_24, SgtBeansprout_24, Nutello_24
- Track 142 : Durfee_28, Boiiii_28, Pokerus_27, Padfoot_28, Asayake_28, AlishaPH_28, CaseJules_28, BaghaKamala_28, Piatt_28, BEEST_28, Hyperbowlee_28, Blizzard_28, Homura_28, ShiaSurprise_28

- Track 143 : Joy99_28, Dalmuri_28, Inky_28, Jeckyll_28, Capricorn_28, BGIlluviae_28, Belladonna_28, Jarvi_28, Peel_28, Llorens_28, Spock_28, Twitch_28, Topper_28, CREW_28, Lunahalos_28, Rosmarinus_28
- Track 144 : Sulley_28, Deby_28
- Track 145 : TiniBug_28
- Track 146 : Zabiza_29, ActinUp_28, Jayhawk_29
- Track 147 : Zavala_28, Mynx_28, TruffulaTree_28, Emerson_28, Padpat_28
- Track 148 : HedwigODU_28, Veliki_28, Rapunzel97_28, Slimphazie_28, Adephagia_28
- Track 149 : TreyKay_28, Prithvi_28, LindNT_28
- Track 150 : Anaya_29
- Track 151 : Illumine_28, Dole_28, Devera_28
- Track 152 : Guanica15_28, Yunkel11_28
- Track 153 : MeaningOfLife_28, Geraldini_28
- Track 154 : Tachez_28
- Track 155 : LaterM_28
- Track 156 : DrHayes_28, Urkel_28, SamuelLPlaqson_28
- Track 157 : Ramen_28, BarrelRoll_28, JAWS_28
- Track 158 : Shaobing_28, Niklas_28
- Track 159 : Megsy_29
- Track 160 : LastHope_28
- Track 161 : YoureAdopted_27
- Track 162 : CheetoDust_28
- Track 163 : Adonis_28
- Track 164 : LeMond_27
- Track 165 : Ganymede_29, QuincyRose_27
- Track 166 : Stinson_29
- Track 167 : Apocalypse_28
- Track 168 : Bella96_28
- Track 169 : Peanam_28
- Track 170 : MarkPhew_28
- Track 171 : Murucutumbu_28
- Track 172 : Beezoo_28
- Track 173 : CrimD_28
- Track 174 : Efra2_28
- Track 175 : Tiri_28
- Track 176 : Chris_27
- Track 177 : KiSi_27, Oscar_27, Scarlett_27
- Track 178 : TaiwanKao_29
- Track 179 : Validus_28
- Track 180 : Angelica_28
- Track 181 : Ageofdapage_28
- Track 182 : Atiba_28
- Track 183 : Nibb_27
- Track 184 : Findley_25
- Track 185 : Marcoliusprime_25, Milly_25, DismalStressor_25
- Track 186 : TM4_25
- Track 187 : ZoeJ_25
- Track 188 : Strobilo_26
- Track 189 : DismalFunk_25
- Track 190 : Mufasa_25
- Track 191 : BoostSeason_25
- Track 192 : MacnCheese_29

- Track 193 : TBond007_28
- Track 194 : Pixie_28
- Track 195 : Pharb_27
- Track 196 : Hurricane_28
- Track 197 : TripleTrouble_27
- Track 198 : Keshu_28
- Track 199 : ShedlockHolmes_28
- Track 200 : Fionnbharth_29, Y10_29, JF1_29, Y2_29
- Track 201 : Reptar3000_29
- Track 202 : MissDaisy_29
- Track 203 : Mitti_29
- Track 204 : OmniCritical_29
- Track 205 : Cheetobro_29, Chancellor_29, Slarp_29
- Track 206 : Patt_29
- Track 207 : Wintermute_29
- Track 208 : Malthus_30
- Track 209 : Ekdilam_25
- Track 210 : Bryler_28, Phrank_28, Cain_28
- Track 211 : Yuna_29
- Track 212 : Shadow1_27
- Track 213 : Amohntion_27
- Track 214 : Krueger_28
- Track 215 : Tierra_28
- Track 216 : Marshawn_29
- Track 217 : Hammy_27
- Track 218 : Fefferhead_27
- Track 219 : Syra333_28
- Track 220 : TClif_29
- Track 221 : Ximenita_29
- Track 222 : PhelpsODU_28, Unicorn_28
- Track 223 : Sunflower1121_27
- Track 224 : Amgine_26
- Track 225 : DarthP_27
- Track 226 : SirPhilip_27
- Track 227 : Ellie_25
- Track 228 : Aminay_26
- Track 229 : Tyson_21, MAckerman_21, AvadaKedavra_21, Silverleaf_21, Acquire49_21, OhShagHennessy_21, Rose5_21, Halena_21, Wyatt2_21, Enceladus_21, Wamburggrxpress_21, DirkDirk_21
- Track 230 : UPIE_21, LeBron_21, Appletree2_21, CicholasNage_21, JoeDirt_21
- Track 231 : Calm_21, Zaria_21
- Track 232 : Jobypre_22, Jubie_22, Lumos_22, Snenia_22, Nicholas_22, Kingsolomon_22, Clautastrophe_22, MsGreen_22
- Track 233 : Bellis_22, Finnry_22, Moostard_22, Samty_22
- Track 234 : MiniLon_22, Lolly9_22
- Track 235 : MiniMac_22
- Track 236 : DuncansLeg_22
- Track 237 : Whirlwind_23
- Track 238 : Krypton555_22
- Track 239 : Ellson_22
- Track 240 : DyoEdafos_22
- Track 241 : Nanosmite_35

- Track 242 : Redi_21, Nenae_21, PhancyPhin_21, BabeRuth_21, ShrimpFriedEgg_21, Purgamenstris_21
- Track 243 : Phloss_21
- Track 244 : Megabear_25, Cepens_25, Taptic_25
- Track 245 : GodPhather_26, MasterPo_33, Jeon_25
- Track 246 : Argie_26
- Track 247 : PR_25
- Track 248 : D12_25

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

The start number called the most often in the published annotations is 53, it was called in 276 of the 640 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_33, AbsoluteMadLad_32, Adriana_33, Aelin_32, Allegro_33, AltPhacts_33, Altwerkus_32, Anderson_33, Andre_33, 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_32, Cannibal_33, Carthage_31, Cepens_25, Chaelin_33, Chah_34, Charles1_33, CharlieGBrown_32, CheetO_33, Cher_32, Childish_32, Chorkpop_33, Chute_32, Cobra_33, Coffee_33, Colbert_33, Coletti_32, Cornobble_32, Cosmolli16_32, Craff_33, Crownjwl_33, DaddyDaniels_33, Daffy_33, Daka_33, Dati_33, DelRivs_32, Derpp_32, Dice_34, Dingo_33, Dione_32, DirtJuice_33, Doddsville_33, DoesntMatter_33, DonSanchon_32, DuchessDung_31, Duggie_32, Durga_33, Eaglehorse_33, Emiris_33, EmpTee_33, Eremos_33, Etaye_33, Eugenia_33, Fang_33, Faze9_33, FluffyNinja_33, Fozzie_32, Frankicide_33, FrenchFry_33, Freya_32, FriarPreacher_33, Fringe_33, FugateOSU_32, Gareth_32, GeneCoco_33, Giraffe_33, Glass_33, Godines_33, Gophee_33, Grand2040_32, Gwilliam_33, Gyarad_0033, HSavage_33, Haimas_33, Haleema_32, Hamish_33, Hartsy_32, Harvey_33, Hedgerow_33, Held_33, HenryJackson_32, Hertubise_33, Hetaeria_33, HighStump_32, Hocus_32, Holeinone_33, Horchata_33, ImtiyazSitla_32, Inchworm_33, Inverness_33, Iridoclysis_33, IsaacEli_33, ItsyBitsy1_33, JDog_33, JacAttac_33, JakeO_32, JangoPhett_33, Jillium_32, Jiminy_32, KLucky39_33, Kahve_32, Kailash_33, Kaleb_33, Katniss_33, Keitherie_33, Kheth_33, Kikipoo_33, Kimbrough_33, KingTut_24, KingVeVeVe_33, KlimbOn_33, Kloppinator_33, Kwadwo_32, Kwksand96_32, Labeouficaum_32, Lars_33, LasagnaCat_33, Lasso_33, Laurie_33, LeeLot_33, Lego3393_33, Legolas_32, LeiMonet_33, LemonSlice_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_32, Mcshane_32, Mecca_32, Megabear_25, Megamind20_33, Megatron_33, Melc17_33, MelsMeow_32, Mesh1_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, Newman_33, Nicole21_33, Numberten_33, Nyala_32, OSmaximus_33, Olak_33, Oline_32, Olive_33, OliverWalter_33, Omniscient_33, Oosterbaan_33, Opia_33, Orfeu_32, Orion_33, Orwig_33, PG1_33, Pacifista_34, 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, Plmatters_33, Podrick_33, Pops_33, Potter_32, Prickles_33, ProfessorX_33, Puhltonio_33, QueenBeane_33, Quisquiliae_33, Qyrzula_31, RedMaple_32, Rhinoforte_33, Ricotta_33, Riggan_33, Rimu_34, Robyn_32, Roliet_33, Roscoe_34, Rosebush_33, Roy17_33, SDcharge11_33, Sabella_33, Samaymay_33, SassyCat97_32, Schadenfreude_32, Schueller_33, Scoot17C_33, Scrick_33, Sejanus_28, Selr12_33, Serendipity_33, Serpentine_0033, Sheila_33, ShiVal_33, Sigman_33, Simielle_32, Skippy_33, Slatt_33, Soile_33, Solosis_32, Sophia_32, Soto_33, Spartan300_33, Squid_33, Squiggle_33, Struggle_32, Suffolk_33, Surely_33, Swiphy_34, Swish_33, TA17A_33, TallGrassMM_33, Taptic_25, Telesworld_32, Thora_33, ThreeOh3D2_33, Timmi_32, TomBombadil_33, Tomlarah_33, Toni_32, 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, Zaider_34, Zelda_33, Zonia_33,

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

- Ares_33, Bananafish_33, Blocker23_33, Brownie5_33, Chunky_33, Dori_29, GodPhather_26, Jeon_25, Lephleur_33, MasterPo_33, Tinciduntolum_34,

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

- 39HC_027, 40BC_027, Abinghost_33, Acadian_32, Acquire49_21, ActinUp_28, Adephegia_28, Adonis_28, Ageofdapage_28, Akoma_33, AlanGrant_31, AlishaPH_28, Alyssamiracle_33, Amelie_24, Amgine_26, Aminay_26, Amohntion_27, Anamika_30, Anaya_29, Angelica_28, Apeppi_30, Apex_30, Apocalypse_28, Appletree2_21, Argie_26, Arissanee_32, Asayake_28, Athena_34, Atiba_28, Audrey_33, Austelle_31, AvadaKedavra_21, Avian_31, BEEST_28, BGlluviae_28, BabeRuth_21, Bae_31, BaghaKamala_28, Baloo_33, BarrelRoll_28, Beaver_33, Beezoo_28, Bella96_28, Belladonna_28, Bellis_22, Ben11_32, Bernardo_33, Berries_31, Bianmat_30, Binglebops_24, BirksAndSocks_33, BirthdayBoy_34, Blizzard_28, BobbyK_30, Boiiii_28, Boneham_33, BoostSeason_25, Brocalys_20, BrownCNA_31, Bryler_28, Butterball_33, CRB2_34, CREW_28, Cain_28, Calm_21, Capricorn_28, Casbah_32, CaseJules_28, ChaChing_33, Chancellor_29, Chandler_33, Charianelly_30, CheetoDust_28, Cheetobro_29, CherryTomatoes_129, Chris_27, ChrisnMich_29, CicholasNage_21, Clautastrophe_22, Clifton_19, Compostia_34, Cooper_30, CrimD_28, Crumble_19, D12_25, Daisy_33, Dalmuri_28, Damp_30, DarthP_27, Deby_28, Deenasa_33, Devera_28, Devonte_33, Diabla_32, DigitDog_32, DirkDirk_21, DismalFunk_25, DismalStressor_25, Dogfish_30, Dole_28, Donny_32, DoobyDoo_32, DrHayes_28, DumpsterDude_23, DuncansLeg_22, Durfee_28, DyoEdafos_22, EastView9101_32, Efra2_28, Ekdilam_25, Ellie_25, Ellson_22, Emerson_28, Enceladus_21, Enkosi_24, Erutan_33, EvilGenius_34, Ewald_30, Fefferhead_27, FelixAlejandro_34, Findley_25, Finny_22, Fionnbharth_29, Fortunato_30, Frederick_30, Fulbright_21, Fulcrum_34, Funsized_35, GOATification_34, Gadjet_34, Gail_32, GalacticEye_30, Ganymede_29, Genamy16_33, Geraldini_28, Gervas_33, Gibbin_34, GlenHope_34, Gretellyn_33, Guanica15_28, Guillaume_30, Hail2Pitt_30, Halena_21, Halfpint_32, Hammy_27, Hangman_30, Harambe_30, HarveySr_33, Hashim76_35, Heath_29, Heathcliff_33, HedwigODU_28, Hello_30, Homura_28, Hosp_025, Hurricane_28, Hydro_30, Hyperbowlee_28, Illumine_28, Imvubu_25, Indlovu_29, Inky_28, JAMaL_30, JAWS_28, JF1_29, Jackstina_30, JaguarMi_30, Jalebi_32, Jamie19_21, Jams_30, Jarvi_28, Jayhawk_29, Jeckyll_28, Jellybones_33, Jobypre_22,

JoeDirt_21, John316_33, Jolie1_027, Jolie2_23, Jormungandr_30, Joy99_28, Jubie_22, Kamiyu_33, Kaseim_31, KayaCho_27, Keshu_28, Keziacharles14_32, KiSi_27, Kingsolomon_22, Knocker_33, Koella_19, Kronus_32, Krueger_28, Krypton555_22, Lahirium_30, Lambo_33, LastHope_28, LastJedi_19, LaterM_28, LeBron_21, LeMond_27, LestyG_33, Lidong_30, LilMcDreamy_28, LilPharaoh_24, Lila22_34, LindNT_28, Llorens_28, Lolalove_30, Lolly9_22, LuckyLeo_32, Luker_31, Lumos_22, Lunahalos_28, MAckerman_21, MacnCheese_29, Magpie_29, Malthus_30, Marcoliusprime_25, MarkPhew_28, Marley1013_33, Marshawn_29, Mdavu_24, MeaningOfLife_28, Megsy_29, Meyran_29, Milly_25, MiniLon_22, MiniMac_22, Minos_31, MissDaisy_29, Mithril_30, Mitti_29, MmasiCarm_33, MoiGyank_37, Moostard_22, Mortcellus_32, Morty007_33, MrWormie_30, Ms6_19, MsGreen_22, Msay19_34, Mudslide_30, Mufasa_25, Murucutumbu_28, Mynx_28, Mysterious_33, Nanao_29, Nangang_32, Nanosmite_35, Nенаe_21, Neoevie_30, Neos5_33, Newt_31, Nibb_27, Nicholas_22, Nigel_28, Nikao_24, Niklas_28, Nimi13_30, NorManre_34, NovaSharks_32, Nozo_33, Nutello_24, Nyceirae_31, Obutu_33, OhShagHennessy_21, OmniCritical_29, OrangeOswald_33, Oscar_27, OtterstedtS21_33, PR_25, Padfoot_28, Padpat_28, ParvusTarda_33, Patos_34, Patt_29, Peanam_28, Peel_28, PenguinLover67_33, Penjamin420_35, Phaedrus_31, PhancyPhin_21, Pharb_27, Phelemich_32, PhelpsODU_28, Philly_32, Phishy_30, Phloss_21, Phlyer_33, Phrank_28, Piatt_28, Pixie_28, Pokerus_27, Poland_36, Poster_29, Prince_31, Prithvi_28, Pupper_126, Purgamenstris_21, Quesadilla_32, QuincyRose_27, RagingRooster_33, Ramen_28, Ranch_33, Rapunzel97_28, RavenCo17_26, RawrgerThat_30, Redi_21, Reprobate_32, Reptar3000_29, Rich_31, Rita1961_33, RomaT_33, Rose5_21, Rosmarinus_28, Rumi_32, SCentae_125, Saguaro_32, Sampudon_33, Samty_22, SamuelLPlaqson_28, Scarlett_27, Serendipitous_31, SgtBeansprout_24, Shadow1_27, Shaobing_28, ShedlockHolmes_28, Shelley_30, ShiaSurprise_28, ShrimpFriedEgg_21, Silverleaf_21, SirJeffery_32, SirPhilip_27, Skog_188, Slarp_29, Slimphazie_28, SlippinJimmy_33, Snenia_22, Spock_28, SpongeBob_21, Squirty_20, Stargaze_23, Sticker17_30, Stinger_28, StinkyVeggy_34, Stinson_29, Strobilo_26, Suigeneris_32, Sulley_28, Sunflower1121_27, SynergyX_33, Syra333_28, TBond007_28, TCLif_29, TM4_25, Tachez_28, TaiwanKao_29, Teal_30, Thonko_30, Tierra_28, Tillicus_33, TiniBug_28, Tiri_28, Topper_28, TreyKay_28, TribbleTrouble_27, TruffulaTree_28, Twitch_28, Tydolla_33, Tyson_21, UPIE_21, Unicorn_28, Urkel_28, Validus_28, Vanisoa_31, Veliki_28, Vincenzo_31, VioletZ_30, Vordorf_31, Waleliano_30, Wamburgrxpress_21, Whirlwind_23, Wintermute_29, Woes_30, Wojtek_32, Wyatt2_21, Ximenita_29, Y10_29, Y2_29, Yahalom_33, Yikes_34, Yinz_33, YoureAdopted_27, Yuna_29, Yunkel11_28, Zabiza_29, Zany_32, Zaria_21, Zavala_28, Zemanar_31, Zenteno07_35, ZoeJ_25,

Summary by start number:

Start 14:

- Found in 14 of 718 (1.9%) of genes in pham
- Manual Annotations of this start: 8 of 640
- 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_32 (B5), Mysterious_33 (B5), Nangang_32 (B5), Phelemich_32 (B5), Reprobate_32 (B5), Rich_31 (B5), Serendipitous_31 (B5), SirJeffery_32 (B5), StinkyVeggy_34 (B5), Suigeneris_32 (B5),

Start 35:

- Found in 1 of 718 (0.1%) of genes in pham

- Manual Annotations of this start: 1 of 640
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_26 (K7),

Start 50:

- Found in 1 of 718 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 640
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Zenteno07_35 (B13),

Start 51:

- Found in 43 of 718 (6.0%) of genes in pham
- Manual Annotations of this start: 11 of 640
- Called 25.6% of time when present
- Phage (with cluster) where this start called: Ares_33 (B2), Bananafish_33 (B2), Blocker23_33 (B2), Brownie5_33 (B2), Dori_29 (AD), GodPhather_26 (W), Jeon_25 (W), Lephleur_33 (B2), MasterPo_33 (B2), PR_25 (W), Tinciduntolum_34 (B2),

Start 52:

- Found in 10 of 718 (1.4%) of genes in pham
- Manual Annotations of this start: 8 of 640
- Called 90.0% of time when present
- Phage (with cluster) where this start called: CRB2_34 (B9), Hashim76_35 (B13), Imvubu_25 (B10), Indlovu_29 (B11), Knocker_33 (B9), PenguinLover67_33 (B9), Quesadilla_32 (B9), Saguaro_32 (B7), Thonko_30 (B8),

Start 53:

- Found in 315 of 718 (43.9%) of genes in pham
- Manual Annotations of this start: 276 of 640
- Called 96.5% of time when present
- Phage (with cluster) where this start called: 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), Antonia_32 (B1), Apizium_32 (B1), Arbitrator_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_32 (B1), Cannibal_33 (B1), Carthage_31 (B1), Cepens_25 (W), Chaelin_33 (B1), Chah_34 (B1), Charles1_33 (B1), CharlieGBrown_32 (B1), CheetO_33 (B1), Cher_32 (B1), Childish_32 (B1), Chorkpop_33 (B1), Chute_32 (B1), Cobra_33 (B1), Coffee_33 (B2), Colbert_33 (B1), Coletti_32 (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_34 (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), Emiris_33 (B1), EmpTee_33 (B1), Eremos_33 (B1), Etaye_33 (B1), Eugenia_33 (B1), Fang_33 (B1), Faze9_33 (B2), FluffyNinja_33 (B1), Fozzie_32 (B1), Frankicide_33 (B1), FrenchFry_33 (B2), Freya_32 (B1), FriarPreacher_33 (B1), Fringe_33 (B1), FugateOSU_32 (B1), Gareth_32 (B1), GeneCoco_33 (B1), Giraffe_33 (B1), Glass_33 (B2), Godines_33 (B2), Gophee_33 (B1), Grand2040_32 (B1), Gwilliam_33 (B1), Gyarad_0033 (B1), HSavage_33 (B1), Haimas_33 (B1), Haleema_32 (B1), Hamish_33 (B1), Hartsy_32 (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), ImtiyazSitla_32 (B1), Inchworm_33 (B1), Inverness_33 (B1), Iridoclysis_33 (B1), IsaacEli_33 (B1), ItsyBitsy1_33 (B2), JDog_33 (B1), JacAttac_33 (B1), JakeO_32 (B1), JangoPhett_33 (B1), Jillium_32 (B1), Jiminy_32 (B1), KLucky39_33 (B1), Kahve_32 (B1), Kailash_33 (B1), Kaleb_33 (B2), Katniss_33 (B1), Keitherie_33 (B1), Kheth_33 (B2), Kikipoo_33 (B1), Kimbrough_33 (B1), KingTut_24 (B1), KingVeVeVe_33 (B1), KlimbOn_33 (B1), Kloppinator_33 (B1), Kwadwo_32 (B1), Kwksand96_32 (B1), Labeouficaum_32 (B1), Lars_33 (B2), LasagnaCat_33 (B1), Lasso_33 (B1), Laurie_33 (B2), LeeLot_33 (B1), Lego3393_33 (B1), Legolas_32 (B1), LeiMonet_33 (B1), LemonSlice_33 (B1), 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_32 (B1), Mcshane_32 (B1), Mecca_32 (B1), Megabear_25 (W), Megamind20_33 (B1), Megatron_33 (B1), Melc17_33 (B1), MelsMeow_32 (B1), Mesh1_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), Newman_33 (B1), Nicole21_33 (B1), Numberten_33 (B1), Nyala_32 (B1), OSmaximus_33 (B1), Olak_33 (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_33 (B1), PG1_33 (B1), Pacifista_34 (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), Plmatters_33 (B1), Podrick_33 (B1), Pops_33 (B1), Potter_32 (B1), Prickles_33 (B1), ProfessorX_33 (B1), Puhltonio_33 (B1), QueenBeane_33 (B1), Quisquillae_33 (B1), Qyrzula_31 (B2), RedMaple_32 (B1), Rhinoforte_33 (B2), Ricotta_33 (B1), Riggan_33 (B1), Rimu_34 (B1), Robyn_32 (B1), Roliet_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_33 (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), Simielle_32 (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), Struggle_32 (B1), Suffolk_33 (B1), Surely_33 (B1), Swiphy_34 (B1), Swish_33 (B1), TA17A_33 (B2), TallGrassMM_33 (B1), Taptic_25 (W), Telesworld_32 (B1), Thora_33 (B1), ThreeOh3D2_33 (B1), Timmi_32 (B1), TomBombadil_33 (B1), Tomlarah_33 (B1), Toni_32 (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 54:

- Found in 19 of 718 (2.6%) of genes in pham
- Manual Annotations of this start: 5 of 640
- Called 26.3% 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 55:

- Found in 2 of 718 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 640
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arissanae_32 (A9), Vanisoa_31 (A9),

Start 56:

- Found in 124 of 718 (17.3%) of genes in pham
- Manual Annotations of this start: 99 of 640
- Called 95.2% of time when present
- Phage (with cluster) where this start called: 39HC_027 (B6), 40BC_027 (B6), Abinghost_33 (B3), Acquire49_21 (L1), Akoma_33 (B3), AlanGrant_31 (B4), Apex_30 (B4), Argie_26 (W), Athena_34 (B3), Audrey_33 (B3), Austelle_31 (B4), AvadaKedavra_21 (L1), Baloo_33 (B3), Bellis_22 (L3), Ben11_32 (B3), Bernardo_33 (B3), BobbyK_30 (B4), BrownCNA_31 (B4), Calm_21 (L1), Casbah_32 (B3), ChaChing_33 (B3), Chandler_33 (B3), ChrisnMich_29 (B4), Clautastrophe_22 (L3), Compostia_34 (B3), Cooper_30 (B4), D12_25 (W), Daisy_33 (B3), Deenasa_33 (B3), Devonte_33 (B3), DirkDirk_21 (L1), DuncansLeg_22 (L3), Ellson_22 (L3), Enceladus_21 (L1), EvilGenius_34 (A2), Finnry_22 (L3), Fortunato_30 (B4), Frederick_30 (B4), Funsized_35 (B9), Gadget_34 (B3), Gail_32 (A14), Gervas_33 (B3), GlenHope_34 (B3), Halena_21 (L1), Halfpint_32 (B3), Hangman_30 (B4), HarveySr_33 (B3), Heath_29 (B4), Heathcliff_33 (B3), Hosp_025 (B6), Hydro_30 (B4), JAMaL_30 (B4), Jackstina_30 (B3), JaguarMi_30 (B4), Jobypre_22 (L3), Jolie1_027 (B6), Jolie2_23 (G4), Jubie_22 (L3), Kamiyu_33 (B3), KayaCho_27 (B6), Keziacharles14_32 (A9), Kingsolomon_22 (L3), Kronus_32 (B3), Krypton555_22 (L3), LestyG_33 (B3), LilMcDreamy_28 (B12), Lolalove_30 (B4), Lolly9_22 (L3), Lumos_22 (L3), MAckerman_21 (L1), Magpie_29 (B4), Marley1013_33 (B3), MiniLon_22 (L3), MiniMac_22 (L3), Mithril_30 (B4), MmasiCarm_33 (B3), Moostard_22 (L3), Mortcellus_32 (B3), Morty007_33 (B3), MsGreen_22 (L3), Mudslide_30 (B4), Nanao_29 (B4), Neos5_33 (B3), Nicholas_22 (L3), Nigel_28 (B4), Nozo_33 (B3), Obutu_33 (B3), OhShagHennessy_21 (L1), OrangeOswald_33 (B3), Phaedrus_31 (B3), Philly_32 (B3), Phlyer_33 (B3), Poster_29 (B4), Prince_31 (B4), RagingRooster_33 (B3), RawrgerThat_30 (B4), Rita1961_33 (B3), RomaT_33 (B3), Rose5_21 (L1), Samty_22 (L3), Silverleaf_21 (L1), SlippinJimmy_33 (B3), Snenia_22 (L3), Stargaze_23 (G5), Stinger_28 (B4), SynergyX_33 (B3), Tydolla_33 (B3), Tyson_21 (L1), Vincenzo_31 (B4), VioletZ_30 (B4), Waleliano_30 (B4), Wamburgrxpress_21 (L1), Whirlwind_23 (L3), Wyatt2_21 (L1), Yahalom_33 (B3), Yinz_33 (B3), Zaria_21 (L1), Zemanar_31 (B4),

Start 72:

- Found in 1 of 718 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 640
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nanosmite_35 (M3),

Start 80:

- Found in 1 of 718 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 640
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Brocalys_20 (F1),

Start 82:

- Found in 17 of 718 (2.4%) of genes in pham
- Manual Annotations of this start: 14 of 640
- Called 94.1% of time when present
- Phage (with cluster) where this start called: BabeRuth_21 (N), Clifton_19 (F1), Crumble_19 (F1), Fulbright_21 (N), Jamie19_21 (N), Koella_19 (F1), LastJedi_19 (F1), Ms6_19 (F1), Nenae_21 (N), PhancyPhin_21 (N), Phloss_21 (N), Purgamenstris_21 (N), Redi_21 (N), ShrimpFriedEgg_21 (N), SpongeBob_21 (N), Squirty_20 (F3),

Start 90:

- Found in 68 of 718 (9.5%) of genes in pham
- Manual Annotations of this start: 1 of 640
- Called 1.5% of time when present
- Phage (with cluster) where this start called: DyoEdafos_22 (L4),

Start 91:

- Found in 353 of 718 (49.2%) of genes in pham
- Manual Annotations of this start: 1 of 640
- Called 0.3% of time when present
- Phage (with cluster) where this start called: Chunky_33 (B1),

Start 101:

- Found in 33 of 718 (4.6%) of genes in pham
- Manual Annotations of this start: 21 of 640
- Called 78.8% of time when present
- Phage (with cluster) where this start called: Alyssamiracle_33 (DV), Avian_31 (DV), BirthdayBoy_34 (DV), DoobyDoo_32 (DV), Erutan_33 (DV), Fulcrum_34 (DV), GOATification_34 (DV), Genamy16_33 (DV), Gibbin_34 (DV), GretelLyn_33 (DV), Jalebi_32 (DV), Lambo_33 (DV), Lila22_34 (DV), NorManre_34 (DV), NovaSharks_32 (DV), OtterstedtS21_33 (DV), ParvusTarda_33 (DV), Patos_34 (DV), Penjamin420_35 (DV), Ranch_33 (DV), Rumi_32 (DV), Sampudon_33 (DV), Tillicus_33 (DV), Wojtek_32 (DV), Yikes_34 (DV), Zany_32 (DV),

Start 102:

- Found in 6 of 718 (0.8%) of genes in pham
- Manual Annotations of this start: 5 of 640
- Called 83.3% of time when present
- Phage (with cluster) where this start called: DumpsterDude_23 (DW), Ewald_30 (DT), Nyceirae_31 (DT), Phishy_30 (DT), RavenCo17_26 (CZ8),

Start 103:

- Found in 4 of 718 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 640
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Dogfish_30 (DT), Vordorf_31 (DT),

Start 105:

- Found in 1 of 718 (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: Pharb_27 (K3),

Start 106:

- Found in 96 of 718 (13.4%) of genes in pham
- Manual Annotations of this start: 87 of 640
- Called 92.7% of time when present
- Phage (with cluster) where this start called: Adephagia_28 (K1), Ageofdapage_28 (K1), AlishaPH_28 (K1), Amgine_26 (K6), Amohntion_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), Capricorn_28 (K1), CaseJules_28 (K1), CheetoDust_28 (K1), CrimD_28 (K1), Dalmuri_28 (K1), DarthP_27 (K6), 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), Jeckyll_28 (K1), Joy99_28 (K1), LaterM_28 (K1), LindNT_28 (K1), Llorens_28 (K1), Lunahalos_28 (K1), MeaningOfLife_28 (K1), Megsy_29 (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), 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), Zavala_28 (K1),

Start 107:

- Found in 402 of 718 (56.0%) of genes in pham
- Manual Annotations of this start: 59 of 640
- Called 14.9% of time when present
- Phage (with cluster) where this start called: Amelie_24 (K1), Binglebops_24 (K1), BoostSeason_25 (K2), Bryler_28 (K6), Cain_28 (K6), Chancellor_29 (K4), Cheetobro_29 (K4), Chris_27 (K1), DismalFunk_25 (K2), DismalStressor_25 (K2), Enkosi_24 (K1), Findley_25 (K2), Fionnbharth_29 (K4), Hurricane_28 (K3), JF1_29 (K4), Keshu_28 (K3), KiSi_27 (K1), Krueger_28 (K6), LastHope_28 (K1), LeMond_27 (K1), 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), Sunflower1121_27 (K6), Syra333_28 (K6), TBond007_28 (K3), TClif_29 (K6), TM4_25 (K2), Tierra_28 (K6), TripleTrouble_27 (K3), Unicorn_28 (K6), Wintermute_29 (K4), Ximenita_29 (K6), Y10_29 (K4), Y2_29 (K4), ZoeJ_25 (K2),

Start 112:

- Found in 1 of 718 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 640
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Meyran_29 (DT),

Start 125:

- Found in 26 of 718 (3.6%) of genes in pham
- Manual Annotations of this start: 1 of 640
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Apeppi_30 (DV), LuckyLeo_32 (DV),

Start 134:

- Found in 4 of 718 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: MoiGyank_37 (DV),

Start 143:

- Found in 6 of 718 (0.8%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Strobilo_26 (K2),

Start 156:

- Found in 77 of 718 (10.7%) of genes in pham
- Manual Annotations of this start: 3 of 640
- Called 7.8% of time when present
- Phage (with cluster) where this start called: ActinUp_28 (K1), Adonis_28 (K1), Anaya_29 (K1), Jayhawk_29 (K1), TaiwanKao_29 (K1), Zabiza_29 (K1),

Start 163:

- Found in 86 of 718 (12.0%) of genes in pham
- Manual Annotations of this start: 33 of 640
- Called 45.3% of time when present
- Phage (with cluster) where this start called: Anamika_30 (CS3), Beaver_33 (CS2), Berries_31 (CS3), Bianmat_30 (CS3), BirksAndSocks_33 (CS2), Boneham_33 (CS2), Butterball_33 (CS2), Charianelly_30 (CS3), CherryTomatoes_129 (DO), Damp_30 (CS3), Diabla_32 (CS2), FelixAlejandro_34 (CS2), GalacticEye_30 (CS3), Guillaume_30 (CS3), Hail2Pitt_30 (CS3), Harambe_30 (CS3), Hello_30 (CS3), Jams_30 (CS3), Jellybones_33 (CS2), John316_33 (CS2), Jormungandr_30 (CS3), Kaseim_31 (CS3), Lahirium_30 (CS3), Lidong_30 (CS3), Luker_31 (CS3), Minos_31 (CS3), MrWormie_30 (CS3), Msay19_34 (CS2), Neoevie_30 (CS3), Newt_31 (CS3), Nimi13_30 (CS3), Poland_36 (CS2), Pupper_126 (DO), SCentae_125 (DO), Shelley_30 (CS3), Skog_188 (DO), Sticker17_30 (CS3), Teal_30 (CS3), Woes_30 (CS3),

Summary by clusters:

There are 40 clusters represented in this pham: DO, CZ8, B10, B11, K3, K2, K1, K7, B13, M3, K4, DV, DW, DT, A14, G5, G4, A2, A9, CS3, CS2, AD, N, L4, L3, W, L1, F1, F3, B4, B5, B6, B7, B1, B2, B3, B12, B8, B9, K6,

Info for manual annotations of cluster A14:

- Start number 56 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A2:

- Start number 56 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A9:

- Start number 55 was manually annotated 2 times for cluster A9.
- Start number 56 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AD:

- Start number 51 was manually annotated 1 time for cluster AD.
- Start number 53 was manually annotated 2 times for cluster AD.

Info for manual annotations of cluster B1:

- Start number 53 was manually annotated 246 times for cluster B1.
- Start number 91 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B10:

- Start number 52 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 52 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 56 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 50 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B2:

- Start number 51 was manually annotated 7 times for cluster B2.
- Start number 53 was manually annotated 25 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 56 was manually annotated 40 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 56 was manually annotated 22 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 14 was manually annotated 8 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 56 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 52 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 52 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 52 was manually annotated 4 times for cluster B9.
- Start number 56 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster CS2:

- Start number 163 was manually annotated 9 times for cluster CS2.

Info for manual annotations of cluster CS3:

- Start number 163 was manually annotated 21 times for cluster CS3.

Info for manual annotations of cluster CZ8:

- Start number 102 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DO:

- Start number 163 was manually annotated 3 times for cluster DO.

Info for manual annotations of cluster DT:

- Start number 102 was manually annotated 3 times for cluster DT.
- Start number 103 was manually annotated 1 time for cluster DT.
- Start number 112 was manually annotated 1 time for cluster DT.

Info for manual annotations of cluster DV:

- Start number 101 was manually annotated 21 times for cluster DV.
- Start number 125 was manually annotated 1 time for cluster DV.

Info for manual annotations of cluster DW:

- Start number 102 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster F1:

- Start number 80 was manually annotated 1 time for cluster F1.
- Start number 82 was manually annotated 3 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 82 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster K1:

- Start number 106 was manually annotated 79 times for cluster K1.
- Start number 107 was manually annotated 16 times for cluster K1.
- Start number 156 was manually annotated 3 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 107 was manually annotated 9 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 107 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 107 was manually annotated 14 times for cluster K4.

Info for manual annotations of cluster K6:

- Start number 106 was manually annotated 8 times for cluster K6.
- Start number 107 was manually annotated 13 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 35 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster L1:

- Start number 54 was manually annotated 5 times for cluster L1.

- Start number 56 was manually annotated 13 times for cluster L1.

Info for manual annotations of cluster L3:

- Start number 56 was manually annotated 16 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 90 was manually annotated 1 time for cluster L4.

Info for manual annotations of cluster M3:

- Start number 72 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 82 was manually annotated 10 times for cluster N.

Info for manual annotations of cluster W:

- Start number 51 was manually annotated 3 times for cluster W.
- Start number 53 was manually annotated 3 times for cluster W.
- Start number 56 was manually annotated 2 times for cluster W.

Gene Information:

Gene: 39HC_027 Start: 30067, Stop: 31293, Start Num: 56

Candidate Starts for 39HC_027:

(5, 29542), (8, 29644), (Start: 56 @30067 has 99 MA's), (67, 30106), (83, 30157), (Start: 91 @30178 has 1 MA's), (Start: 107 @30223 has 59 MA's), (140, 30283), (147, 30304), (148, 30307), (171, 30364), (192, 30418), (193, 30421), (195, 30427), (247, 30544), (286, 30613), (327, 30718), (360, 30850), (362, 30856), (397, 30979), (413, 31039), (436, 31093), (440, 31099), (464, 31147),

Gene: 40BC_027 Start: 30067, Stop: 31293, Start Num: 56

Candidate Starts for 40BC_027:

(5, 29542), (8, 29644), (Start: 56 @30067 has 99 MA's), (67, 30106), (83, 30157), (Start: 91 @30178 has 1 MA's), (Start: 107 @30223 has 59 MA's), (140, 30283), (147, 30304), (148, 30307), (171, 30364), (192, 30418), (193, 30421), (195, 30427), (247, 30544), (286, 30613), (327, 30718), (360, 30850), (362, 30856), (397, 30979), (413, 31039), (436, 31093), (440, 31099), (464, 31147),

Gene: ABU_33 Start: 32364, Stop: 33524, Start Num: 53

Candidate Starts for ABU_33:

(Start: 53 @32364 has 276 MA's), (Start: 91 @32475 has 1 MA's), (Start: 107 @32520 has 59 MA's), (155, 32619), (180, 32679), (192, 32715), (205, 32739), (227, 32784), (229, 32790), (249, 32841), (271, 32880), (274, 32883), (280, 32895), (289, 32910), (315, 32934), (329, 32967), (360, 33048), (370, 33093), (384, 33141), (396, 33177), (399, 33186), (402, 33192), (478, 33417),

Gene: Abinghost_33 Start: 32219, Stop: 33421, Start Num: 56

Candidate Starts for Abinghost_33:

(Start: 56 @32219 has 99 MA's), (66, 32252), (119, 32396), (126, 32405), (130, 32414), (147, 32453), (150, 32462), (158, 32480), (165, 32498), (173, 32516), (176, 32522), (181, 32534), (187, 32552), (192, 32567), (210, 32600), (222, 32627), (241, 32672), (284, 32753), (298, 32780), (316, 32798), (324, 32816), (339, 32858), (342, 32882), (362, 32957), (366, 32987), (384, 33047), (389, 33059), (394, 33077), (418, 33179), (464, 33284), (468, 33290), (472, 33308), (492, 33395),

Gene: AbsoluteMadLad_32 Start: 32373, Stop: 33533, Start Num: 53

Candidate Starts for AbsoluteMadLad_32:

(Start: 53 @32373 has 276 MA's), (Start: 91 @32484 has 1 MA's), (Start: 107 @32529 has 59 MA's), (155, 32628), (180, 32688), (192, 32724), (205, 32748), (227, 32793), (229, 32799), (249, 32850), (271, 32889), (274, 32892), (280, 32904), (289, 32919), (315, 32943), (329, 32976), (360, 33057), (370, 33102), (384, 33150), (396, 33186), (399, 33195), (402, 33201), (478, 33426),

Gene: Acadian_32 Start: 32586, Stop: 34091, Start Num: 14

Candidate Starts for Acadian_32:

(Start: 14 @32586 has 8 MA's), (16, 32604), (21, 32625), (26, 32679), (38, 32757), (39, 32775), (42, 32790), (44, 32802), (119, 33039), (141, 33090), (152, 33117), (Start: 163 @33144 has 33 MA's), (196, 33231), (202, 33246), (217, 33285), (253, 33375), (289, 33435), (344, 33558), (354, 33597), (362, 33633), (468, 33957), (495, 34077),

Gene: Acquire49_21 Start: 21688, Stop: 22860, Start Num: 56

Candidate Starts for Acquire49_21:

(Start: 54 @21685 has 5 MA's), (Start: 56 @21688 has 99 MA's), (98, 21814), (117, 21856), (123, 21868), (Start: 125 @21871 has 1 MA's), (141, 21904), (145, 21916), (165, 21964), (173, 21982), (187, 22018), (192, 22033), (219, 22084), (233, 22114), (248, 22156), (260, 22180), (282, 22216), (286, 22222), (307, 22249), (320, 22267), (349, 22360), (350, 22363), (367, 22447), (406, 22585), (410, 22603), (439, 22687),

Gene: ActinUp_28 Start: 23436, Stop: 24338, Start Num: 156

Candidate Starts for ActinUp_28:

(12, 22881), (32, 23028), (Start: 90 @23280 has 1 MA's), (Start: 106 @23325 has 87 MA's), (Start: 156 @23436 has 3 MA's), (197, 23550), (248, 23667), (273, 23709), (280, 23721), (329, 23775), (360, 23853), (384, 23949), (390, 23961), (398, 23991), (402, 24000), (434, 24114), (464, 24183),

Gene: Adephagia_28 Start: 23322, Stop: 24335, Start Num: 106

Candidate Starts for Adephagia_28:

(12, 22878), (32, 23025), (Start: 90 @23277 has 1 MA's), (Start: 106 @23322 has 87 MA's), (Start: 156 @23433 has 3 MA's), (197, 23547), (248, 23664), (273, 23706), (280, 23718), (329, 23772), (360, 23850), (384, 23946), (390, 23958), (398, 23988), (402, 23997), (434, 24111), (464, 24180),

Gene: Adonis_28 Start: 23439, Stop: 24341, Start Num: 156

Candidate Starts for Adonis_28:

(12, 22884), (Start: 90 @23283 has 1 MA's), (Start: 106 @23328 has 87 MA's), (Start: 156 @23439 has 3 MA's), (197, 23553), (248, 23670), (273, 23712), (280, 23724), (329, 23778), (360, 23856), (381, 23940), (384, 23952), (390, 23964), (402, 24003), (434, 24117), (464, 24186),

Gene: Adriana_33 Start: 32362, Stop: 33522, Start Num: 53

Candidate Starts for Adriana_33:

(Start: 53 @32362 has 276 MA's), (Start: 91 @32473 has 1 MA's), (Start: 107 @32518 has 59 MA's), (155, 32617), (180, 32677), (192, 32713), (205, 32737), (227, 32782), (229, 32788), (249, 32839), (271, 32878), (274, 32881), (280, 32893), (289, 32908), (315, 32932), (329, 32965), (360, 33046), (370, 33091), (384, 33139), (396, 33175), (399, 33184), (402, 33190), (478, 33415),

Gene: Aelin_32 Start: 31928, Stop: 33088, Start Num: 53

Candidate Starts for Aelin_32:

(Start: 53 @31928 has 276 MA's), (Start: 91 @32039 has 1 MA's), (Start: 107 @32084 has 59 MA's), (155, 32183), (180, 32243), (192, 32279), (205, 32303), (227, 32348), (229, 32354), (249, 32405), (271, 32444), (274, 32447), (280, 32459), (315, 32498), (329, 32531), (360, 32612), (370, 32657), (384, 32705), (396, 32741), (399, 32750), (402, 32756), (478, 32981),

Gene: Ageofdapage_28 Start: 23272, Stop: 24285, Start Num: 106

Candidate Starts for Ageofdapage_28:

(Start: 106 @23272 has 87 MA's), (Start: 156 @23383 has 3 MA's), (197, 23497), (248, 23614), (273, 23656), (329, 23722), (333, 23731), (360, 23800), (384, 23896), (390, 23908), (394, 23926), (402, 23947), (434, 24061), (464, 24130), (487, 24226),

Gene: Akoma_33 Start: 32223, Stop: 33425, Start Num: 56

Candidate Starts for Akoma_33:

(Start: 56 @32223 has 99 MA's), (66, 32256), (119, 32400), (126, 32409), (130, 32418), (147, 32457), (150, 32466), (158, 32484), (165, 32502), (173, 32520), (176, 32526), (181, 32538), (187, 32556), (192, 32571), (210, 32604), (222, 32631), (241, 32676), (284, 32757), (298, 32784), (316, 32802), (324, 32820), (339, 32862), (342, 32886), (362, 32961), (366, 32991), (384, 33051), (389, 33063), (394, 33081), (418, 33183), (464, 33288), (468, 33294), (472, 33312), (492, 33399),

Gene: AlanGrant_31 Start: 33326, Stop: 34483, Start Num: 56

Candidate Starts for AlanGrant_31:

(Start: 56 @33326 has 99 MA's), (85, 33419), (Start: 91 @33434 has 1 MA's), (97, 33449), (100, 33461), (Start: 107 @33479 has 59 MA's), (150, 33569), (171, 33620), (176, 33629), (183, 33647), (192, 33674), (206, 33689), (210, 33695), (214, 33701), (231, 33734), (235, 33743), (247, 33776), (279, 33809), (286, 33821), (310, 33854), (321, 33869), (338, 33899), (339, 33905), (354, 33971), (359, 33995), (361, 34004), (402, 34151), (449, 34304),

Gene: AlishaPH_28 Start: 23315, Stop: 24328, Start Num: 106

Candidate Starts for AlishaPH_28:

(12, 22871), (Start: 90 @23270 has 1 MA's), (Start: 106 @23315 has 87 MA's), (Start: 156 @23426 has 3 MA's), (197, 23540), (248, 23657), (273, 23699), (280, 23711), (329, 23765), (360, 23843), (384, 23939), (390, 23951), (398, 23981), (402, 23990), (434, 24104), (464, 24173),

Gene: Allegro_33 Start: 32683, Stop: 33846, Start Num: 53

Candidate Starts for Allegro_33:

(28, 32536), (Start: 51 @32677 has 11 MA's), (Start: 53 @32683 has 276 MA's), (67, 32722), (76, 32752), (Start: 91 @32797 has 1 MA's), (Start: 107 @32842 has 59 MA's), (155, 32941), (180, 33001), (192, 33037), (205, 33061), (227, 33106), (229, 33112), (249, 33163), (271, 33202), (274, 33205), (280, 33217), (289, 33232), (315, 33256), (329, 33289), (360, 33370), (384, 33463), (396, 33499), (399, 33508), (402, 33514), (413, 33574), (478, 33739),

Gene: AltPhacts_33 Start: 32351, Stop: 33511, Start Num: 53

Candidate Starts for AltPhacts_33:

(Start: 53 @32351 has 276 MA's), (Start: 91 @32462 has 1 MA's), (Start: 107 @32507 has 59 MA's), (155, 32606), (180, 32666), (192, 32702), (205, 32726), (227, 32771), (229, 32777), (249, 32828), (271, 32867), (274, 32870), (280, 32882), (289, 32897), (315, 32921), (329, 32954), (360, 33035), (370, 33080), (384, 33128), (396, 33164), (399, 33173), (402, 33179), (478, 33404),

Gene: Altwerkus_32 Start: 32052, Stop: 33212, Start Num: 53

Candidate Starts for Altwerkus_32:

(Start: 53 @32052 has 276 MA's), (Start: 91 @32163 has 1 MA's), (Start: 107 @32208 has 59 MA's), (155, 32307), (180, 32367), (192, 32403), (205, 32427), (227, 32472), (229, 32478), (249, 32529), (271, 32568), (274, 32571), (280, 32583), (315, 32622), (329, 32655), (360, 32736), (370, 32781), (384, 32829), (396, 32865), (399, 32874), (402, 32880), (478, 33105),

Gene: Alyssamiracle_33 Start: 27521, Stop: 28618, Start Num: 101

Candidate Starts for Alyssamiracle_33:

(Start: 101 @27521 has 21 MA's), (148, 27635), (188, 27728), (211, 27761), (213, 27764), (215, 27767), (223, 27788), (228, 27800), (246, 27848), (278, 27911), (314, 27965), (351, 28061), (359, 28103), (414, 28337), (429, 28376), (466, 28463), (496, 28610),

Gene: Amelie_24 Start: 22900, Stop: 23907, Start Num: 107

Candidate Starts for Amelie_24:

(87, 22849), (95, 22861), (Start: 107 @22900 has 59 MA's), (138, 22960), (165, 23032), (187, 23086), (194, 23107), (248, 23236), (275, 23281), (277, 23284), (328, 23341), (329, 23344), (353, 23389), (361, 23425), (384, 23521), (390, 23533), (419, 23653), (475, 23785),

Gene: Amgine_26 Start: 23356, Stop: 24351, Start Num: 106

Candidate Starts for Amgine_26:

(95, 23320), (Start: 106 @23356 has 87 MA's), (146, 23446), (Start: 156 @23467 has 3 MA's), (196, 23575), (197, 23581), (207, 23602), (218, 23623), (348, 23830), (360, 23884), (361, 23887), (382, 23971), (383, 23974), (434, 24139),

Gene: Aminay_26 Start: 23478, Stop: 24887, Start Num: 35

Candidate Starts for Aminay_26:

(Start: 35 @23478 has 1 MA's), (39, 23517), (46, 23553), (48, 23565), (Start: 52 @23586 has 8 MA's), (71, 23652), (86, 23694), (99, 23730), (127, 23790), (151, 23850), (160, 23874), (174, 23910), (184, 23934), (191, 23955), (194, 23964), (206, 23988), (209, 23994), (225, 24036), (239, 24075), (246, 24090), (256, 24114), (272, 24144), (289, 24174), (316, 24234), (329, 24267), (333, 24276), (337, 24288), (344, 24324), (402, 24540), (471, 24747), (493, 24861),

Gene: Amohnition_27 Start: 23778, Stop: 24782, Start Num: 106

Candidate Starts for Amohnition_27:

(Start: 106 @23778 has 87 MA's), (203, 24015), (248, 24120), (355, 24279), (380, 24381), (383, 24393), (418, 24528), (424, 24546), (464, 24639), (479, 24705), (484, 24717),

Gene: Anamika_30 Start: 38386, Stop: 39288, Start Num: 163

Candidate Starts for Anamika_30:

(Start: 163 @38386 has 33 MA's), (222, 38524), (255, 38593), (281, 38641), (310, 38704), (330, 38740), (334, 38749), (382, 38908), (468, 39142), (473, 39160), (493, 39265),

Gene: Anaya_29 Start: 23452, Stop: 24354, Start Num: 156

Candidate Starts for Anaya_29:

(12, 22897), (Start: 90 @23296 has 1 MA's), (Start: 106 @23341 has 87 MA's), (Start: 156 @23452 has 3 MA's), (197, 23566), (248, 23683), (273, 23725), (280, 23737), (329, 23791), (360, 23869), (384, 23965), (390, 23977), (398, 24007), (402, 24016), (434, 24130), (464, 24199),

Gene: Anderson_33 Start: 32357, Stop: 33517, Start Num: 53

Candidate Starts for Anderson_33:

(Start: 53 @32357 has 276 MA's), (Start: 91 @32468 has 1 MA's), (Start: 107 @32513 has 59 MA's), (155, 32612), (180, 32672), (192, 32708), (205, 32732), (227, 32777), (229, 32783), (249, 32834), (271, 32873), (274, 32876), (280, 32888), (315, 32927), (329, 32960), (360, 33041), (370, 33086), (384, 33134), (396, 33170), (399, 33179), (402, 33185), (478, 33410),

Gene: Andre_33 Start: 32356, Stop: 33516, Start Num: 53

Candidate Starts for Andre_33:

(Start: 53 @32356 has 276 MA's), (Start: 91 @32467 has 1 MA's), (Start: 107 @32512 has 59 MA's), (155, 32611), (180, 32671), (192, 32707), (205, 32731), (227, 32776), (229, 32782), (249, 32833), (271, 32872), (274, 32875), (280, 32887), (315, 32926), (329, 32959), (360, 33040), (370, 33085), (384, 33133), (396, 33169), (399, 33178), (402, 33184), (478, 33409),

Gene: Angelica_28 Start: 23290, Stop: 24303, Start Num: 106

Candidate Starts for Angelica_28:

(Start: 106 @23290 has 87 MA's), (Start: 156 @23401 has 3 MA's), (197, 23515), (248, 23632), (280, 23686), (291, 23704), (329, 23740), (360, 23818), (384, 23914), (390, 23926), (398, 23956), (402, 23965), (434, 24079), (464, 24148),

Gene: Antonia_32 Start: 31928, Stop: 33088, Start Num: 53

Candidate Starts for Antonia_32:

(Start: 53 @31928 has 276 MA's), (Start: 91 @32039 has 1 MA's), (Start: 107 @32084 has 59 MA's), (155, 32183), (180, 32243), (192, 32279), (205, 32303), (227, 32348), (229, 32354), (249, 32405), (271, 32444), (274, 32447), (280, 32459), (315, 32498), (329, 32531), (360, 32612), (370, 32657), (384, 32705), (396, 32741), (399, 32750), (402, 32756), (478, 32981),

Gene: Apeppi_30 Start: 28919, Stop: 29908, Start Num: 125

Candidate Starts for Apeppi_30:

(Start: 101 @28862 has 21 MA's), (Start: 125 @28919 has 1 MA's), (161, 29009), (164, 29018), (166, 29024), (170, 29033), (192, 29087), (287, 29285), (327, 29351), (332, 29363), (356, 29432), (394, 29573), (422, 29681),

Gene: Apex_30 Start: 32785, Stop: 33942, Start Num: 56

Candidate Starts for Apex_30:

(Start: 56 @32785 has 99 MA's), (85, 32878), (Start: 91 @32893 has 1 MA's), (97, 32908), (100, 32920), (Start: 107 @32938 has 59 MA's), (132, 32980), (150, 33028), (171, 33079), (176, 33088), (183, 33106), (192, 33133), (206, 33148), (210, 33154), (214, 33160), (217, 33166), (231, 33193), (235, 33202), (247, 33235), (279, 33268), (321, 33328), (338, 33358), (339, 33364), (349, 33409), (361, 33463), (362, 33466), (402, 33610), (449, 33763),

Gene: Apizium_32 Start: 32120, Stop: 33280, Start Num: 53

Candidate Starts for Apizium_32:

(Start: 53 @32120 has 276 MA's), (Start: 91 @32231 has 1 MA's), (Start: 107 @32276 has 59 MA's), (155, 32375), (180, 32435), (192, 32471), (205, 32495), (227, 32540), (229, 32546), (249, 32597), (271, 32636), (274, 32639), (280, 32651), (315, 32690), (329, 32723), (360, 32804), (370, 32849), (384, 32897), (396, 32933), (399, 32942), (402, 32948), (478, 33173),

Gene: Apocalypse_28 Start: 23293, Stop: 24306, Start Num: 106

Candidate Starts for Apocalypse_28:

(Start: 106 @23293 has 87 MA's), (Start: 156 @23404 has 3 MA's), (197, 23518), (248, 23635), (273, 23677), (280, 23689), (329, 23743), (360, 23821), (384, 23917), (390, 23929), (402, 23968), (428, 24064), (434, 24082), (464, 24151),

Gene: Appletree2_21 Start: 21628, Stop: 22803, Start Num: 54

Candidate Starts for Appletree2_21:

(Start: 54 @21628 has 5 MA's), (Start: 56 @21631 has 99 MA's), (98, 21757), (117, 21799), (123, 21811), (Start: 125 @21814 has 1 MA's), (141, 21847), (145, 21859), (165, 21907), (173, 21925), (187, 21961), (192, 21976), (219, 22027), (233, 22057), (248, 22099), (260, 22123), (282, 22159), (286, 22165), (307, 22192), (320, 22210), (349, 22303), (350, 22306), (367, 22390), (406, 22528), (410, 22546), (439, 22630),

Gene: Arbiter_33 Start: 32772, Stop: 33935, Start Num: 53

Candidate Starts for Arbiter_33:

(28, 32625), (Start: 51 @32766 has 11 MA's), (Start: 53 @32772 has 276 MA's), (67, 32811), (76, 32841), (Start: 91 @32886 has 1 MA's), (Start: 107 @32931 has 59 MA's), (155, 33030), (180, 33090),

(192, 33126), (205, 33150), (227, 33195), (229, 33201), (249, 33252), (271, 33291), (274, 33294), (280, 33306), (289, 33321), (315, 33345), (329, 33378), (360, 33459), (384, 33552), (396, 33588), (399, 33597), (402, 33603), (413, 33663), (478, 33828),

Gene: Ares_33 Start: 32688, Stop: 33896, Start Num: 51

Candidate Starts for Ares_33:

(29, 32547), (Start: 51 @32688 has 11 MA's), (Start: 53 @32691 has 276 MA's), (74, 32760), (100, 32829), (114, 32859), (119, 32871), (124, 32877), (126, 32880), (130, 32889), (147, 32928), (150, 32937), (Start: 156 @32949 has 3 MA's), (180, 33006), (187, 33027), (192, 33042), (217, 33087), (222, 33102), (241, 33147), (277, 33216), (292, 33243), (312, 33267), (332, 33312), (339, 33333), (342, 33357), (362, 33432), (366, 33462), (384, 33522), (389, 33534), (394, 33552), (418, 33654), (464, 33759), (468, 33765), (472, 33783), (483, 33834), (492, 33870),

Gene: Argie_26 Start: 29663, Stop: 30871, Start Num: 56

Candidate Starts for Argie_26:

(Start: 51 @29657 has 11 MA's), (Start: 56 @29663 has 99 MA's), (67, 29702), (Start: 91 @29777 has 1 MA's), (93, 29780), (104, 29813), (114, 29834), (124, 29852), (128, 29858), (130, 29864), (147, 29903), (148, 29906), (150, 29912), (180, 29981), (187, 30002), (222, 30077), (241, 30122), (253, 30152), (280, 30197), (286, 30206), (289, 30212), (292, 30218), (312, 30242), (332, 30287), (339, 30308), (342, 30332), (362, 30407), (366, 30437), (384, 30497), (389, 30509), (394, 30527), (418, 30629), (468, 30740), (472, 30758), (483, 30809), (492, 30845),

Gene: Arissanae_32 Start: 24817, Stop: 26022, Start Num: 55

Candidate Starts for Arissanae_32:

(Start: 55 @24817 has 2 MA's), (118, 24994), (123, 25000), (Start: 125 @25003 has 1 MA's), (148, 25054), (217, 25210), (237, 25258), (361, 25552), (366, 25585), (402, 25696), (451, 25852),

Gene: Asayake_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Asayake_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (Start: 156 @23467 has 3 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (390, 23992), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Ashraf_32 Start: 31924, Stop: 33084, Start Num: 53

Candidate Starts for Ashraf_32:

(Start: 53 @31924 has 276 MA's), (Start: 91 @32035 has 1 MA's), (Start: 107 @32080 has 59 MA's), (155, 32179), (180, 32239), (192, 32275), (205, 32299), (227, 32344), (229, 32350), (249, 32401), (271, 32440), (274, 32443), (280, 32455), (289, 32470), (315, 32494), (329, 32527), (360, 32608), (370, 32653), (384, 32701), (396, 32737), (399, 32746), (402, 32752), (478, 32977),

Gene: Athena_34 Start: 32970, Stop: 34172, Start Num: 56

Candidate Starts for Athena_34:

(Start: 56 @32970 has 99 MA's), (66, 33003), (119, 33147), (126, 33156), (130, 33165), (147, 33204), (150, 33213), (158, 33231), (180, 33282), (183, 33291), (187, 33303), (189, 33309), (192, 33318), (217, 33363), (222, 33378), (241, 33423), (258, 33462), (277, 33492), (286, 33507), (292, 33519), (312, 33543), (332, 33588), (339, 33609), (342, 33633), (362, 33708), (366, 33738), (384, 33798), (389, 33810), (394, 33828), (418, 33930), (464, 34035), (468, 34041), (472, 34059), (492, 34146),

Gene: Atiba_28 Start: 23285, Stop: 24298, Start Num: 106

Candidate Starts for Atiba_28:

(12, 22841), (32, 22988), (Start: 90 @23240 has 1 MA's), (Start: 106 @23285 has 87 MA's), (Start: 163 @23417 has 33 MA's), (197, 23510), (248, 23627), (273, 23669), (280, 23681), (329, 23735), (360, 23813), (384, 23909), (398, 23951), (402, 23960), (434, 24074), (464, 24143),

Gene: Audrey_33 Start: 32219, Stop: 33421, Start Num: 56

Candidate Starts for Audrey_33:

(Start: 56 @32219 has 99 MA's), (66, 32252), (119, 32396), (126, 32405), (130, 32414), (147, 32453), (150, 32462), (158, 32480), (165, 32498), (173, 32516), (176, 32522), (181, 32534), (187, 32552), (192, 32567), (210, 32600), (222, 32627), (241, 32672), (284, 32753), (298, 32780), (316, 32798), (324, 32816), (339, 32858), (342, 32882), (362, 32957), (366, 32987), (384, 33047), (389, 33059), (394, 33077), (418, 33179), (464, 33284), (468, 33290), (472, 33308), (492, 33395),

Gene: Austelle_31 Start: 33241, Stop: 34398, Start Num: 56

Candidate Starts for Austelle_31:

(Start: 56 @33241 has 99 MA's), (85, 33334), (Start: 91 @33349 has 1 MA's), (97, 33364), (100, 33376), (Start: 107 @33394 has 59 MA's), (132, 33436), (150, 33484), (171, 33535), (176, 33544), (183, 33562), (192, 33589), (206, 33604), (210, 33610), (214, 33616), (217, 33622), (231, 33649), (235, 33658), (247, 33691), (279, 33724), (321, 33784), (338, 33814), (339, 33820), (349, 33865), (361, 33919), (362, 33922), (402, 34066), (449, 34219),

Gene: AvadaKedavra_21 Start: 21698, Stop: 22870, Start Num: 56

Candidate Starts for AvadaKedavra_21:

(Start: 54 @21695 has 5 MA's), (Start: 56 @21698 has 99 MA's), (98, 21824), (117, 21866), (123, 21878), (Start: 125 @21881 has 1 MA's), (141, 21914), (145, 21926), (165, 21974), (173, 21992), (187, 22028), (192, 22043), (219, 22094), (233, 22124), (248, 22166), (260, 22190), (282, 22226), (286, 22232), (307, 22259), (320, 22277), (349, 22370), (350, 22373), (367, 22457), (406, 22595), (410, 22613), (439, 22697),

Gene: Avian_31 Start: 27503, Stop: 28600, Start Num: 101

Candidate Starts for Avian_31:

(Start: 101 @27503 has 21 MA's), (148, 27617), (188, 27710), (211, 27743), (213, 27746), (215, 27749), (221, 27767), (223, 27770), (246, 27830), (270, 27881), (278, 27893), (285, 27905), (314, 27947), (351, 28043), (359, 28085), (414, 28319), (429, 28358), (466, 28445), (496, 28592),

Gene: BEEST_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for BEEST_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (Start: 156 @23467 has 3 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (390, 23992), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: BGlluviae_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for BGlluviae_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: BabeRuth_21 Start: 19877, Stop: 21031, Start Num: 82

Candidate Starts for BabeRuth_21:

(31, 19640), (37, 19682), (40, 19712), (45, 19742), (61, 19802), (75, 19856), (Start: 82 @19877 has 14 MA's), (104, 19940), (111, 19958), (131, 20006), (154, 20066), (157, 20075), (Start: 163 @20090 has 33 MA's), (173, 20114), (182, 20138), (186, 20150), (216, 20225), (219, 20234), (229, 20258), (239, 20288), (259, 20333), (261, 20336), (263, 20342), (281, 20372), (283, 20375), (294, 20396), (360, 20555), (382, 20645), (384, 20654), (394, 20684), (402, 20705), (493, 21008),

Gene: Badfish_33 Start: 32386, Stop: 33546, Start Num: 53

Candidate Starts for Badfish_33:

(Start: 53 @32386 has 276 MA's), (Start: 91 @32497 has 1 MA's), (Start: 107 @32542 has 59 MA's), (155, 32641), (180, 32701), (192, 32737), (205, 32761), (227, 32806), (229, 32812), (249, 32863), (271, 32902), (274, 32905), (280, 32917), (289, 32932), (315, 32956), (329, 32989), (360, 33070), (370, 33115), (384, 33163), (396, 33199), (399, 33208), (402, 33214), (478, 33439),

Gene: Bae_31 Start: 32397, Stop: 33902, Start Num: 14

Candidate Starts for Bae_31:

(Start: 14 @32397 has 8 MA's), (16, 32415), (21, 32436), (26, 32490), (30, 32508), (39, 32586), (42, 32601), (141, 32901), (152, 32928), (Start: 163 @32955 has 33 MA's), (189, 33021), (196, 33042), (202, 33057), (217, 33096), (253, 33186), (269, 33213), (289, 33246), (339, 33342), (344, 33369), (354, 33408), (362, 33444), (394, 33567), (422, 33672), (468, 33768), (472, 33786), (495, 33888),

Gene: BaghaKamala_28 Start: 23285, Stop: 24298, Start Num: 106

Candidate Starts for BaghaKamala_28:

(12, 22841), (Start: 90 @23240 has 1 MA's), (Start: 106 @23285 has 87 MA's), (Start: 156 @23396 has 3 MA's), (197, 23510), (248, 23627), (273, 23669), (280, 23681), (329, 23735), (360, 23813), (384, 23909), (390, 23921), (398, 23951), (402, 23960), (434, 24074), (464, 24143),

Gene: Baloo_33 Start: 32222, Stop: 33424, Start Num: 56

Candidate Starts for Baloo_33:

(Start: 56 @32222 has 99 MA's), (66, 32255), (119, 32399), (126, 32408), (130, 32417), (147, 32456), (150, 32465), (158, 32483), (180, 32534), (183, 32543), (187, 32555), (189, 32561), (192, 32570), (217, 32615), (222, 32630), (241, 32675), (258, 32714), (277, 32744), (286, 32759), (292, 32771), (312, 32795), (332, 32840), (339, 32861), (342, 32885), (362, 32960), (366, 32990), (384, 33050), (389, 33062), (394, 33080), (418, 33182), (464, 33287), (468, 33293), (472, 33311), (492, 33398),

Gene: Bananafish_33 Start: 32686, Stop: 33855, Start Num: 51

Candidate Starts for Bananafish_33:

(28, 32545), (Start: 51 @32686 has 11 MA's), (Start: 53 @32692 has 276 MA's), (67, 32731), (76, 32761), (Start: 91 @32806 has 1 MA's), (Start: 107 @32851 has 59 MA's), (155, 32950), (180, 33010), (192, 33046), (205, 33070), (227, 33115), (229, 33121), (249, 33172), (271, 33211), (274, 33214), (280, 33226), (289, 33241), (315, 33265), (329, 33298), (360, 33379), (384, 33472), (396, 33508), (399, 33517), (402, 33523), (478, 33748),

Gene: Banjo_32 Start: 32062, Stop: 33222, Start Num: 53

Candidate Starts for Banjo_32:

(Start: 53 @32062 has 276 MA's), (Start: 91 @32173 has 1 MA's), (Start: 107 @32218 has 59 MA's), (155, 32317), (180, 32377), (192, 32413), (205, 32437), (227, 32482), (229, 32488), (249, 32539), (271, 32578), (274, 32581), (280, 32593), (289, 32608), (315, 32632), (329, 32665), (360, 32746), (370, 32791), (384, 32839), (396, 32875), (399, 32884), (402, 32890), (478, 33115),

Gene: BarrelRoll_28 Start: 23308, Stop: 24321, Start Num: 106

Candidate Starts for BarrelRoll_28:

(12, 22864), (Start: 90 @23263 has 1 MA's), (Start: 106 @23308 has 87 MA's), (Start: 156 @23419 has 3 MA's), (197, 23533), (248, 23650), (273, 23692), (280, 23704), (329, 23758), (360, 23836), (384, 23932), (398, 23974), (402, 23983), (434, 24097), (464, 24166),

Gene: Basato_34 Start: 32641, Stop: 33801, Start Num: 53

Candidate Starts for Basato_34:

(Start: 53 @32641 has 276 MA's), (Start: 91 @32752 has 1 MA's), (Start: 107 @32797 has 59 MA's), (155, 32896), (180, 32956), (192, 32992), (205, 33016), (227, 33061), (229, 33067), (249, 33118), (271, 33157), (274, 33160), (280, 33172), (289, 33187), (315, 33211), (329, 33244), (360, 33325), (370, 33370), (384, 33418), (396, 33454), (399, 33463), (402, 33469), (478, 33694),

Gene: BatteryCK_32 Start: 31981, Stop: 33141, Start Num: 53

Candidate Starts for BatteryCK_32:

(Start: 53 @31981 has 276 MA's), (Start: 91 @32092 has 1 MA's), (Start: 107 @32137 has 59 MA's), (155, 32236), (180, 32296), (192, 32332), (205, 32356), (227, 32401), (229, 32407), (249, 32458), (271, 32497), (274, 32500), (280, 32512), (315, 32551), (329, 32584), (360, 32665), (384, 32758), (396, 32794), (399, 32803), (402, 32809), (478, 33034),

Gene: Beaglebox_32 Start: 32083, Stop: 33243, Start Num: 53

Candidate Starts for Beaglebox_32:

(Start: 53 @32083 has 276 MA's), (Start: 91 @32194 has 1 MA's), (Start: 107 @32239 has 59 MA's), (155, 32338), (180, 32398), (192, 32434), (205, 32458), (227, 32503), (229, 32509), (249, 32560), (271, 32599), (274, 32602), (280, 32614), (315, 32653), (329, 32686), (360, 32767), (370, 32812), (384, 32860), (396, 32896), (399, 32905), (402, 32911), (478, 33136),

Gene: Beaver_33 Start: 37866, Stop: 38768, Start Num: 163

Candidate Starts for Beaver_33:

(Start: 163 @37866 has 33 MA's), (222, 38001), (238, 38031), (243, 38043), (261, 38076), (290, 38127), (310, 38175), (330, 38211), (361, 38292), (377, 38343), (379, 38346), (401, 38436), (450, 38583), (494, 38751),

Gene: Beezoo_28 Start: 23333, Stop: 24346, Start Num: 106

Candidate Starts for Beezoo_28:

(Start: 106 @23333 has 87 MA's), (Start: 156 @23444 has 3 MA's), (197, 23558), (217, 23597), (248, 23675), (273, 23717), (280, 23729), (329, 23783), (360, 23861), (381, 23945), (384, 23957), (390, 23969), (402, 24008), (434, 24122), (464, 24191),

Gene: Bella96_28 Start: 23266, Stop: 24279, Start Num: 106

Candidate Starts for Bella96_28:

(Start: 90 @23221 has 1 MA's), (Start: 106 @23266 has 87 MA's), (120, 23299), (Start: 156 @23377 has 3 MA's), (197, 23491), (248, 23608), (273, 23650), (280, 23662), (329, 23716), (360, 23794), (381, 23878), (384, 23890), (390, 23902), (393, 23914), (402, 23941), (407, 23977), (464, 24124), (487, 24220),

Gene: Belladonna_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Belladonna_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Bellis_22 Start: 22249, Stop: 23466, Start Num: 56

Candidate Starts for Bellis_22:

(Start: 56 @22249 has 99 MA's), (89, 22351), (96, 22363), (100, 22381), (104, 22390), (123, 22429), (141, 22465), (147, 22480), (149, 22486), (162, 22516), (Start: 163 @22519 has 33 MA's), (179, 22555), (183, 22567), (206, 22618), (207, 22621), (235, 22681), (244, 22708), (251, 22723), (254, 22729), (261, 22741), (295, 22801), (313, 22825), (337, 22885), (361, 22981), (366, 23014), (389, 23086), (396, 23110), (402, 23125), (473, 23338), (476, 23350),

Gene: Ben11_32 Start: 32041, Stop: 33243, Start Num: 56

Candidate Starts for Ben11_32:

(Start: 56 @32041 has 99 MA's), (66, 32074), (119, 32218), (126, 32227), (130, 32236), (147, 32275), (150, 32284), (158, 32302), (165, 32320), (173, 32338), (176, 32344), (181, 32356), (187, 32374), (192, 32389), (210, 32422), (222, 32449), (241, 32494), (284, 32575), (298, 32602), (316, 32620),

(324, 32638), (339, 32680), (342, 32704), (362, 32779), (366, 32809), (384, 32869), (389, 32881), (394, 32899), (417, 32998), (418, 33001), (464, 33106), (468, 33112), (472, 33130), (492, 33217),

Gene: Bernardo_33 Start: 32309, Stop: 33511, Start Num: 56

Candidate Starts for Bernardo_33:

(Start: 56 @32309 has 99 MA's), (66, 32342), (119, 32486), (126, 32495), (130, 32504), (147, 32543), (150, 32552), (158, 32570), (180, 32621), (183, 32630), (187, 32642), (192, 32657), (217, 32702), (222, 32717), (241, 32762), (277, 32831), (286, 32846), (292, 32858), (312, 32882), (333, 32930), (335, 32936), (338, 32942), (339, 32948), (342, 32972), (362, 33047), (366, 33077), (384, 33137), (389, 33149), (394, 33167), (418, 33269), (464, 33374), (468, 33380), (483, 33449),

Gene: Berries_31 Start: 38356, Stop: 39258, Start Num: 163

Candidate Starts for Berries_31:

(Start: 163 @38356 has 33 MA's), (222, 38494), (255, 38563), (281, 38611), (310, 38674), (330, 38710), (382, 38878), (473, 39130), (493, 39235),

Gene: Bianmat_30 Start: 38396, Stop: 39298, Start Num: 163

Candidate Starts for Bianmat_30:

(Start: 163 @38396 has 33 MA's), (222, 38534), (255, 38603), (281, 38651), (310, 38714), (330, 38750), (382, 38918), (473, 39170), (493, 39275),

Gene: Biglebops_24 Start: 22900, Stop: 23907, Start Num: 107

Candidate Starts for Biglebops_24:

(87, 22849), (95, 22861), (Start: 107 @22900 has 59 MA's), (138, 22960), (165, 23032), (187, 23086), (194, 23107), (248, 23236), (275, 23281), (277, 23284), (328, 23341), (329, 23344), (353, 23389), (361, 23425), (384, 23521), (390, 23533), (419, 23653), (475, 23785),

Gene: BirksAndSocks_33 Start: 37840, Stop: 38742, Start Num: 163

Candidate Starts for BirksAndSocks_33:

(Start: 163 @37840 has 33 MA's), (239, 38008), (255, 38044), (265, 38059), (275, 38074), (281, 38086), (330, 38185), (361, 38266), (379, 38320), (450, 38557), (488, 38683), (494, 38725),

Gene: BirthdayBoy_34 Start: 29543, Stop: 30589, Start Num: 101

Candidate Starts for BirthdayBoy_34:

(Start: 101 @29543 has 21 MA's), (148, 29657), (157, 29678), (164, 29699), (187, 29753), (192, 29768), (287, 29966), (327, 30032), (332, 30044), (356, 30113), (394, 30254),

Gene: Bishoperium_32 Start: 32071, Stop: 33231, Start Num: 53

Candidate Starts for Bishoperium_32:

(Start: 53 @32071 has 276 MA's), (Start: 91 @32182 has 1 MA's), (Start: 107 @32227 has 59 MA's), (155, 32326), (180, 32386), (192, 32422), (205, 32446), (227, 32491), (229, 32497), (249, 32548), (271, 32587), (274, 32590), (280, 32602), (289, 32617), (315, 32641), (329, 32674), (360, 32755), (370, 32800), (384, 32848), (396, 32884), (399, 32893), (402, 32899), (478, 33124),

Gene: BlackStallion_33 Start: 32373, Stop: 33533, Start Num: 53

Candidate Starts for BlackStallion_33:

(Start: 53 @32373 has 276 MA's), (Start: 91 @32484 has 1 MA's), (Start: 107 @32529 has 59 MA's), (155, 32628), (180, 32688), (192, 32724), (205, 32748), (227, 32793), (229, 32799), (249, 32850), (271, 32889), (274, 32892), (280, 32904), (289, 32919), (315, 32943), (329, 32976), (360, 33057), (370, 33102), (384, 33150), (396, 33186), (399, 33195), (402, 33201), (478, 33426),

Gene: Blizzard_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Blizzard_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (Start: 156 @23467 has 3 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (390, 23992), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Blocker23_33 Start: 32804, Stop: 33973, Start Num: 51

Candidate Starts for Blocker23_33:

(28, 32663), (Start: 51 @32804 has 11 MA's), (Start: 53 @32810 has 276 MA's), (67, 32849), (76, 32879), (Start: 91 @32924 has 1 MA's), (Start: 107 @32969 has 59 MA's), (155, 33068), (180, 33128), (192, 33164), (205, 33188), (227, 33233), (229, 33239), (249, 33290), (271, 33329), (274, 33332), (280, 33344), (289, 33359), (315, 33383), (329, 33416), (360, 33497), (384, 33590), (396, 33626), (399, 33635), (402, 33641), (478, 33866),

Gene: BlueHusk_33 Start: 31870, Stop: 33030, Start Num: 53

Candidate Starts for BlueHusk_33:

(Start: 53 @31870 has 276 MA's), (Start: 91 @31981 has 1 MA's), (Start: 107 @32026 has 59 MA's), (155, 32125), (180, 32185), (192, 32221), (205, 32245), (227, 32290), (229, 32296), (249, 32347), (271, 32386), (274, 32389), (280, 32401), (289, 32416), (315, 32440), (329, 32473), (360, 32554), (370, 32599), (384, 32647), (396, 32683), (399, 32692), (402, 32698), (478, 32923),

Gene: Bluephacebaby_32 Start: 32068, Stop: 33228, Start Num: 53

Candidate Starts for Bluephacebaby_32:

(Start: 53 @32068 has 276 MA's), (Start: 91 @32179 has 1 MA's), (Start: 107 @32224 has 59 MA's), (155, 32323), (180, 32383), (192, 32419), (205, 32443), (227, 32488), (229, 32494), (249, 32545), (271, 32584), (274, 32587), (280, 32599), (289, 32614), (315, 32638), (329, 32671), (360, 32752), (370, 32797), (384, 32845), (396, 32881), (399, 32890), (402, 32896), (478, 33121),

Gene: BobbyK_30 Start: 32610, Stop: 33767, Start Num: 56

Candidate Starts for BobbyK_30:

(Start: 56 @32610 has 99 MA's), (85, 32703), (Start: 91 @32718 has 1 MA's), (97, 32733), (100, 32745), (Start: 107 @32763 has 59 MA's), (171, 32904), (176, 32913), (183, 32931), (192, 32958), (206, 32973), (210, 32979), (214, 32985), (217, 32991), (231, 33018), (235, 33027), (247, 33060), (279, 33093), (321, 33153), (338, 33183), (339, 33189), (349, 33234), (361, 33288), (362, 33291), (402, 33435), (449, 33588),

Gene: Boehler_33 Start: 32374, Stop: 33534, Start Num: 53

Candidate Starts for Boehler_33:

(Start: 53 @32374 has 276 MA's), (Start: 91 @32485 has 1 MA's), (Start: 107 @32530 has 59 MA's), (155, 32629), (180, 32689), (192, 32725), (205, 32749), (227, 32794), (229, 32800), (249, 32851), (271, 32890), (274, 32893), (280, 32905), (289, 32920), (315, 32944), (329, 32977), (360, 33058), (370, 33103), (384, 33151), (396, 33187), (399, 33196), (402, 33202), (478, 33427),

Gene: Boiiii_28 Start: 23358, Stop: 24371, Start Num: 106

Candidate Starts for Boiiii_28:

(12, 22914), (Start: 90 @23313 has 1 MA's), (Start: 106 @23358 has 87 MA's), (Start: 156 @23469 has 3 MA's), (197, 23583), (248, 23700), (273, 23742), (280, 23754), (329, 23808), (360, 23886), (384, 23982), (390, 23994), (398, 24024), (402, 24033), (434, 24147), (464, 24216),

Gene: Boneham_33 Start: 37839, Stop: 38741, Start Num: 163

Candidate Starts for Boneham_33:

(Start: 163 @37839 has 33 MA's), (239, 38007), (255, 38043), (265, 38058), (275, 38073), (281, 38085), (330, 38184), (361, 38265), (379, 38319), (450, 38556), (488, 38682), (494, 38724),

Gene: BoostSeason_25 Start: 21308, Stop: 22333, Start Num: 107

Candidate Starts for BoostSeason_25:

(69, 21224), (Start: 107 @21308 has 59 MA's), (154, 21413), (177, 21473), (196, 21527), (197, 21533), (234, 21614), (236, 21620), (242, 21635), (243, 21638), (362, 21842), (491, 22301), (493, 22310),

Gene: Boyle_33 Start: 32811, Stop: 33974, Start Num: 53

Candidate Starts for Boyle_33:

(28, 32664), (Start: 51 @32805 has 11 MA's), (Start: 53 @32811 has 276 MA's), (67, 32850), (76, 32880), (Start: 91 @32925 has 1 MA's), (Start: 107 @32970 has 59 MA's), (155, 33069), (180, 33129), (192, 33165), (205, 33189), (227, 33234), (229, 33240), (249, 33291), (271, 33330), (274, 33333), (280, 33345), (289, 33360), (315, 33384), (329, 33417), (360, 33498), (370, 33543), (384, 33591), (396, 33627), (399, 33636), (402, 33642), (413, 33702), (478, 33867),

Gene: Brilliant_33 Start: 32079, Stop: 33239, Start Num: 53

Candidate Starts for Brilliant_33:

(Start: 53 @32079 has 276 MA's), (Start: 91 @32190 has 1 MA's), (Start: 107 @32235 has 59 MA's), (155, 32334), (180, 32394), (192, 32430), (205, 32454), (227, 32499), (229, 32505), (249, 32556), (271, 32595), (274, 32598), (280, 32610), (315, 32649), (329, 32682), (360, 32763), (370, 32808), (384, 32856), (396, 32892), (399, 32901), (402, 32907), (478, 33132),

Gene: Brocalys_20 Start: 19901, Stop: 21058, Start Num: 80

Candidate Starts for Brocalys_20:

(Start: 80 @19901 has 1 MA's), (120, 20009), (131, 20030), (154, 20090), (Start: 163 @20114 has 33 MA's), (165, 20120), (173, 20138), (178, 20150), (182, 20162), (186, 20174), (209, 20234), (216, 20249), (219, 20258), (229, 20282), (239, 20312), (281, 20396), (283, 20399), (294, 20420), (302, 20441), (305, 20450), (311, 20462), (317, 20471), (402, 20732), (418, 20801), (493, 21035),

Gene: BrownCNA_31 Start: 32871, Stop: 34028, Start Num: 56

Candidate Starts for BrownCNA_31:

(Start: 56 @32871 has 99 MA's), (85, 32964), (Start: 91 @32979 has 1 MA's), (97, 32994), (100, 33006), (Start: 107 @33024 has 59 MA's), (132, 33066), (171, 33165), (176, 33174), (183, 33192), (192, 33219), (206, 33234), (210, 33240), (214, 33246), (217, 33252), (231, 33279), (235, 33288), (247, 33321), (279, 33354), (316, 33408), (321, 33414), (338, 33444), (339, 33450), (341, 33471), (349, 33495), (361, 33549), (362, 33552), (402, 33696),

Gene: Brownie5_33 Start: 32811, Stop: 33980, Start Num: 51

Candidate Starts for Brownie5_33:

(28, 32670), (Start: 51 @32811 has 11 MA's), (Start: 53 @32817 has 276 MA's), (67, 32856), (76, 32886), (Start: 91 @32931 has 1 MA's), (Start: 107 @32976 has 59 MA's), (155, 33075), (180, 33135), (192, 33171), (205, 33195), (227, 33240), (229, 33246), (249, 33297), (271, 33336), (274, 33339), (280, 33351), (289, 33366), (315, 33390), (329, 33423), (360, 33504), (384, 33597), (396, 33633), (399, 33642), (402, 33648), (413, 33708), (478, 33873),

Gene: Bryler_28 Start: 22694, Stop: 23755, Start Num: 107

Candidate Starts for Bryler_28:

(Start: 107 @22694 has 59 MA's), (144, 22772), (145, 22775), (154, 22793), (194, 22901), (204, 22928), (207, 22934), (248, 23030), (253, 23042), (304, 23144), (328, 23195), (366, 23312), (442, 23555), (448, 23573), (464, 23612),

Gene: Buckeye_33 Start: 32391, Stop: 33551, Start Num: 53

Candidate Starts for Buckeye_33:

(Start: 53 @32391 has 276 MA's), (Start: 91 @32502 has 1 MA's), (Start: 107 @32547 has 59 MA's), (155, 32646), (180, 32706), (192, 32742), (205, 32766), (227, 32811), (229, 32817), (249, 32868),

(271, 32907), (274, 32910), (280, 32922), (289, 32937), (315, 32961), (329, 32994), (360, 33075), (370, 33120), (384, 33168), (396, 33204), (399, 33213), (402, 33219), (478, 33444),

Gene: Burr_32 Start: 32068, Stop: 33228, Start Num: 53

Candidate Starts for Burr_32:

(Start: 53 @32068 has 276 MA's), (Start: 91 @32179 has 1 MA's), (Start: 107 @32224 has 59 MA's), (155, 32323), (180, 32383), (192, 32419), (205, 32443), (227, 32488), (229, 32494), (249, 32545), (271, 32584), (274, 32587), (280, 32599), (315, 32638), (329, 32671), (360, 32752), (370, 32797), (384, 32845), (396, 32881), (399, 32890), (402, 32896), (478, 33121),

Gene: Butterball_33 Start: 37839, Stop: 38741, Start Num: 163

Candidate Starts for Butterball_33:

(Start: 163 @37839 has 33 MA's), (239, 38007), (255, 38043), (265, 38058), (275, 38073), (281, 38085), (330, 38184), (361, 38265), (379, 38319), (450, 38556), (488, 38682), (494, 38724),

Gene: CRB2_34 Start: 34225, Stop: 35433, Start Num: 52

Candidate Starts for CRB2_34:

(20, 34009), (46, 34192), (Start: 52 @34225 has 8 MA's), (110, 34387), (127, 34423), (147, 34471), (165, 34516), (189, 34576), (195, 34594), (231, 34660), (237, 34678), (243, 34696), (249, 34711), (250, 34714), (263, 34738), (363, 34933), (385, 35023), (394, 35068), (400, 35083), (416, 35170), (421, 35185), (441, 35236), (457, 35269), (494, 35416),

Gene: CREW_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for CREW_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Cain_28 Start: 22682, Stop: 23743, Start Num: 107

Candidate Starts for Cain_28:

(Start: 107 @22682 has 59 MA's), (144, 22760), (145, 22763), (154, 22781), (194, 22889), (204, 22916), (207, 22922), (248, 23018), (253, 23030), (304, 23132), (328, 23183), (366, 23300), (442, 23543), (448, 23561), (464, 23600),

Gene: Calamitous_33 Start: 32697, Stop: 33860, Start Num: 53

Candidate Starts for Calamitous_33:

(28, 32550), (Start: 51 @32691 has 11 MA's), (Start: 53 @32697 has 276 MA's), (67, 32736), (76, 32766), (Start: 91 @32811 has 1 MA's), (Start: 107 @32856 has 59 MA's), (155, 32955), (180, 33015), (192, 33051), (205, 33075), (227, 33120), (229, 33126), (249, 33177), (271, 33216), (274, 33219), (280, 33231), (289, 33246), (315, 33270), (329, 33303), (360, 33384), (384, 33477), (396, 33513), (399, 33522), (402, 33528), (478, 33753),

Gene: Calm_21 Start: 21702, Stop: 22874, Start Num: 56

Candidate Starts for Calm_21:

(Start: 54 @21699 has 5 MA's), (Start: 56 @21702 has 99 MA's), (98, 21828), (117, 21870), (123, 21882), (Start: 125 @21885 has 1 MA's), (141, 21918), (145, 21930), (149, 21939), (165, 21978), (173, 21996), (187, 22032), (192, 22047), (219, 22098), (233, 22128), (248, 22170), (260, 22194), (282, 22230), (286, 22236), (307, 22263), (320, 22281), (349, 22374), (350, 22377), (367, 22461), (406, 22599), (410, 22617), (439, 22701),

Gene: CamL_33 Start: 32369, Stop: 33529, Start Num: 53

Candidate Starts for CamL_33:

(Start: 53 @32369 has 276 MA's), (Start: 91 @32480 has 1 MA's), (Start: 107 @32525 has 59 MA's), (155, 32624), (180, 32684), (192, 32720), (205, 32744), (227, 32789), (229, 32795), (249, 32846), (271, 32885), (274, 32888), (280, 32900), (289, 32915), (315, 32939), (329, 32972), (360, 33053), (370, 33098), (384, 33146), (396, 33182), (399, 33191), (402, 33197), (478, 33422),

Gene: CampRoach_32 Start: 32359, Stop: 33519, Start Num: 53

Candidate Starts for CampRoach_32:

(Start: 53 @32359 has 276 MA's), (Start: 91 @32470 has 1 MA's), (Start: 107 @32515 has 59 MA's), (155, 32614), (180, 32674), (192, 32710), (205, 32734), (227, 32779), (229, 32785), (249, 32836), (271, 32875), (274, 32878), (280, 32890), (315, 32929), (329, 32962), (360, 33043), (384, 33136), (396, 33172), (399, 33181), (402, 33187), (478, 33412),

Gene: Cannibal_33 Start: 32352, Stop: 33512, Start Num: 53

Candidate Starts for Cannibal_33:

(Start: 53 @32352 has 276 MA's), (Start: 91 @32463 has 1 MA's), (Start: 107 @32508 has 59 MA's), (155, 32607), (180, 32667), (192, 32703), (205, 32727), (227, 32772), (229, 32778), (249, 32829), (271, 32868), (274, 32871), (280, 32883), (315, 32922), (329, 32955), (360, 33036), (370, 33081), (384, 33129), (396, 33165), (399, 33174), (402, 33180), (478, 33405),

Gene: Capricorn_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Capricorn_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Carthage_31 Start: 31281, Stop: 32441, Start Num: 53

Candidate Starts for Carthage_31:

(Start: 53 @31281 has 276 MA's), (Start: 91 @31392 has 1 MA's), (Start: 107 @31437 has 59 MA's), (155, 31536), (180, 31596), (192, 31632), (205, 31656), (227, 31701), (229, 31707), (249, 31758), (271, 31797), (274, 31800), (280, 31812), (315, 31851), (329, 31884), (360, 31965), (370, 32010), (384, 32058), (396, 32094), (399, 32103), (402, 32109), (478, 32334),

Gene: Casbah_32 Start: 32071, Stop: 33273, Start Num: 56

Candidate Starts for Casbah_32:

(Start: 56 @32071 has 99 MA's), (66, 32104), (119, 32248), (126, 32257), (130, 32266), (147, 32305), (150, 32314), (158, 32332), (165, 32350), (173, 32368), (176, 32374), (181, 32386), (187, 32404), (192, 32419), (210, 32452), (222, 32479), (241, 32524), (284, 32605), (298, 32632), (316, 32650), (324, 32668), (339, 32710), (342, 32734), (362, 32809), (366, 32839), (384, 32899), (389, 32911), (394, 32929), (417, 33028), (418, 33031), (464, 33136), (468, 33142), (472, 33160), (492, 33247),

Gene: CaseJules_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for CaseJules_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (Start: 156 @23467 has 3 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (390, 23992), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Cepens_25 Start: 29381, Stop: 30586, Start Num: 53

Candidate Starts for Cepens_25:

(Start: 51 @29378 has 11 MA's), (Start: 53 @29381 has 276 MA's), (74, 29450), (100, 29519), (114, 29549), (119, 29561), (124, 29567), (126, 29570), (130, 29579), (147, 29618), (150, 29627), (Start: 156 @29639 has 3 MA's), (180, 29696), (183, 29705), (187, 29717), (192, 29732), (217, 29777), (222, 29792), (241, 29837), (277, 29906), (292, 29933), (312, 29957), (332, 30002), (339, 30023), (342, 30047), (362, 30122), (366, 30152), (384, 30212), (389, 30224), (394, 30242), (418, 30344), (468,

30455), (472, 30473), (483, 30524), (492, 30560),

Gene: ChaChing_33 Start: 32234, Stop: 33436, Start Num: 56

Candidate Starts for ChaChing_33:

(Start: 56 @32234 has 99 MA's), (66, 32267), (119, 32411), (126, 32420), (130, 32429), (147, 32468), (150, 32477), (158, 32495), (165, 32513), (173, 32531), (176, 32537), (181, 32549), (187, 32567), (192, 32582), (210, 32615), (222, 32642), (241, 32687), (284, 32768), (298, 32795), (316, 32813), (324, 32831), (339, 32873), (342, 32897), (362, 32972), (366, 33002), (384, 33062), (389, 33074), (394, 33092), (418, 33194), (464, 33299), (468, 33305), (472, 33323), (492, 33410),

Gene: Chaelin_33 Start: 32066, Stop: 33226, Start Num: 53

Candidate Starts for Chaelin_33:

(Start: 53 @32066 has 276 MA's), (Start: 91 @32177 has 1 MA's), (Start: 107 @32222 has 59 MA's), (155, 32321), (180, 32381), (192, 32417), (205, 32441), (227, 32486), (229, 32492), (249, 32543), (271, 32582), (274, 32585), (280, 32597), (315, 32636), (329, 32669), (360, 32750), (370, 32795), (384, 32843), (396, 32879), (399, 32888), (402, 32894), (478, 33119),

Gene: Chah_34 Start: 32386, Stop: 33546, Start Num: 53

Candidate Starts for Chah_34:

(Start: 53 @32386 has 276 MA's), (Start: 91 @32497 has 1 MA's), (Start: 107 @32542 has 59 MA's), (155, 32641), (180, 32701), (192, 32737), (205, 32761), (227, 32806), (229, 32812), (249, 32863), (271, 32902), (274, 32905), (280, 32917), (315, 32956), (329, 32989), (360, 33070), (370, 33115), (384, 33163), (396, 33199), (399, 33208), (402, 33214), (478, 33439),

Gene: Chancellor_29 Start: 24596, Stop: 25600, Start Num: 107

Candidate Starts for Chancellor_29:

(Start: 107 @24596 has 59 MA's), (181, 24764), (196, 24809), (197, 24815), (222, 24869), (227, 24878), (261, 24959), (276, 24980), (279, 24986), (280, 24989), (360, 25121), (361, 25124), (394, 25247),

Gene: Chandler_33 Start: 33002, Stop: 34204, Start Num: 56

Candidate Starts for Chandler_33:

(Start: 56 @33002 has 99 MA's), (66, 33035), (119, 33179), (126, 33188), (130, 33197), (147, 33236), (150, 33245), (158, 33263), (165, 33281), (173, 33299), (176, 33305), (181, 33317), (187, 33335), (192, 33350), (210, 33383), (222, 33410), (241, 33455), (284, 33536), (298, 33563), (316, 33581), (324, 33599), (339, 33641), (342, 33665), (362, 33740), (366, 33770), (384, 33830), (389, 33842), (394, 33860), (418, 33962), (464, 34067), (468, 34073), (472, 34091), (492, 34178),

Gene: Charianelly_30 Start: 38106, Stop: 39008, Start Num: 163

Candidate Starts for Charianelly_30:

(Start: 163 @38106 has 33 MA's), (222, 38244), (255, 38313), (281, 38361), (310, 38424), (330, 38460), (382, 38628), (473, 38880), (493, 38985),

Gene: Charles1_33 Start: 32354, Stop: 33514, Start Num: 53

Candidate Starts for Charles1_33:

(Start: 53 @32354 has 276 MA's), (Start: 91 @32465 has 1 MA's), (Start: 107 @32510 has 59 MA's), (155, 32609), (180, 32669), (192, 32705), (205, 32729), (227, 32774), (229, 32780), (249, 32831), (271, 32870), (274, 32873), (280, 32885), (289, 32900), (315, 32924), (329, 32957), (360, 33038), (370, 33083), (384, 33131), (396, 33167), (399, 33176), (402, 33182), (478, 33407),

Gene: CharlieGBrown_32 Start: 31944, Stop: 33104, Start Num: 53

Candidate Starts for CharlieGBrown_32:

(Start: 53 @31944 has 276 MA's), (Start: 91 @32055 has 1 MA's), (Start: 107 @32100 has 59 MA's), (155, 32199), (180, 32259), (192, 32295), (205, 32319), (227, 32364), (229, 32370), (249, 32421), (271, 32460), (274, 32463), (280, 32475), (289, 32490), (315, 32514), (329, 32547), (360, 32628), (370, 32673), (384, 32721), (396, 32757), (399, 32766), (402, 32772), (478, 32997),

Gene: CheetO_33 Start: 32368, Stop: 33528, Start Num: 53

Candidate Starts for CheetO_33:

(Start: 53 @32368 has 276 MA's), (Start: 91 @32479 has 1 MA's), (Start: 107 @32524 has 59 MA's), (155, 32623), (180, 32683), (192, 32719), (205, 32743), (227, 32788), (229, 32794), (249, 32845), (271, 32884), (274, 32887), (280, 32899), (289, 32914), (315, 32938), (329, 32971), (360, 33052), (370, 33097), (384, 33145), (396, 33181), (399, 33190), (402, 33196), (478, 33421),

Gene: CheetoDust_28 Start: 23333, Stop: 24346, Start Num: 106

Candidate Starts for CheetoDust_28:

(12, 22889), (Start: 90 @23288 has 1 MA's), (Start: 106 @23333 has 87 MA's), (Start: 163 @23465 has 33 MA's), (197, 23558), (248, 23675), (273, 23717), (280, 23729), (329, 23783), (360, 23861), (384, 23957), (398, 23999), (402, 24008), (434, 24122), (464, 24191),

Gene: Cheetobro_29 Start: 24593, Stop: 25597, Start Num: 107

Candidate Starts for Cheetobro_29:

(Start: 107 @24593 has 59 MA's), (181, 24761), (196, 24806), (197, 24812), (222, 24866), (227, 24875), (261, 24956), (276, 24977), (279, 24983), (280, 24986), (360, 25118), (361, 25121), (394, 25244),

Gene: Cher_32 Start: 32091, Stop: 33251, Start Num: 53

Candidate Starts for Cher_32:

(Start: 53 @32091 has 276 MA's), (Start: 91 @32202 has 1 MA's), (Start: 107 @32247 has 59 MA's), (155, 32346), (180, 32406), (192, 32442), (205, 32466), (227, 32511), (229, 32517), (249, 32568), (271, 32607), (274, 32610), (280, 32622), (289, 32637), (315, 32661), (329, 32694), (360, 32775), (370, 32820), (384, 32868), (396, 32904), (399, 32913), (402, 32919), (478, 33144),

Gene: CherryTomatoes_129 Start: 82351, Stop: 83241, Start Num: 163

Candidate Starts for CherryTomatoes_129:

(Start: 163 @82351 has 33 MA's), (464, 83086),

Gene: Childish_32 Start: 32094, Stop: 33254, Start Num: 53

Candidate Starts for Childish_32:

(Start: 53 @32094 has 276 MA's), (Start: 91 @32205 has 1 MA's), (Start: 107 @32250 has 59 MA's), (155, 32349), (180, 32409), (192, 32445), (205, 32469), (227, 32514), (229, 32520), (249, 32571), (271, 32610), (274, 32613), (280, 32625), (289, 32640), (315, 32664), (329, 32697), (360, 32778), (370, 32823), (384, 32871), (396, 32907), (399, 32916), (402, 32922), (478, 33147),

Gene: Chorkpop_33 Start: 32090, Stop: 33250, Start Num: 53

Candidate Starts for Chorkpop_33:

(Start: 53 @32090 has 276 MA's), (Start: 91 @32201 has 1 MA's), (Start: 107 @32246 has 59 MA's), (155, 32345), (180, 32405), (192, 32441), (205, 32465), (227, 32510), (229, 32516), (249, 32567), (271, 32606), (274, 32609), (280, 32621), (315, 32660), (329, 32693), (360, 32774), (370, 32819), (384, 32867), (396, 32903), (399, 32912), (402, 32918), (478, 33143),

Gene: Chris_27 Start: 22610, Stop: 23596, Start Num: 107

Candidate Starts for Chris_27:

(Start: 107 @22610 has 59 MA's), (155, 22715), (180, 22778), (187, 22799), (197, 22832), (204, 22847), (232, 22907), (279, 23000), (301, 23039), (361, 23138), (378, 23189), (394, 23261), (402,

23282), (428, 23363), (472, 23465),

Gene: ChrisnMich_29 Start: 31570, Stop: 32727, Start Num: 56

Candidate Starts for ChrisnMich_29:

(Start: 56 @31570 has 99 MA's), (85, 31663), (Start: 91 @31678 has 1 MA's), (97, 31693), (100, 31705), (Start: 107 @31723 has 59 MA's), (150, 31813), (171, 31864), (176, 31873), (179, 31879), (183, 31891), (192, 31918), (206, 31933), (210, 31939), (214, 31945), (231, 31978), (235, 31987), (247, 32020), (279, 32053), (338, 32143), (339, 32149), (361, 32248), (362, 32251), (402, 32395), (449, 32548),

Gene: Chunky_33 Start: 32488, Stop: 33537, Start Num: 91

Candidate Starts for Chunky_33:

(Start: 53 @32377 has 276 MA's), (Start: 91 @32488 has 1 MA's), (Start: 107 @32533 has 59 MA's), (155, 32632), (180, 32692), (192, 32728), (205, 32752), (227, 32797), (229, 32803), (249, 32854), (271, 32893), (274, 32896), (280, 32908), (289, 32923), (315, 32947), (329, 32980), (360, 33061), (370, 33106), (384, 33154), (396, 33190), (399, 33199), (402, 33205), (478, 33430),

Gene: Chute_32 Start: 32415, Stop: 33575, Start Num: 53

Candidate Starts for Chute_32:

(Start: 53 @32415 has 276 MA's), (Start: 91 @32526 has 1 MA's), (Start: 107 @32571 has 59 MA's), (155, 32670), (180, 32730), (192, 32766), (205, 32790), (227, 32835), (229, 32841), (249, 32892), (271, 32931), (274, 32934), (280, 32946), (315, 32985), (329, 33018), (360, 33099), (370, 33144), (384, 33192), (396, 33228), (399, 33237), (402, 33243), (478, 33468),

Gene: CicholasNage_21 Start: 21687, Stop: 22862, Start Num: 54

Candidate Starts for CicholasNage_21:

(Start: 54 @21687 has 5 MA's), (Start: 56 @21690 has 99 MA's), (98, 21816), (117, 21858), (123, 21870), (Start: 125 @21873 has 1 MA's), (141, 21906), (145, 21918), (165, 21966), (173, 21984), (187, 22020), (192, 22035), (219, 22086), (233, 22116), (248, 22158), (260, 22182), (282, 22218), (286, 22224), (307, 22251), (320, 22269), (349, 22362), (350, 22365), (367, 22449), (406, 22587), (410, 22605), (439, 22689),

Gene: Clautastrophe_22 Start: 22247, Stop: 23464, Start Num: 56

Candidate Starts for Clautastrophe_22:

(Start: 56 @22247 has 99 MA's), (89, 22349), (96, 22361), (100, 22379), (104, 22388), (123, 22427), (141, 22463), (147, 22478), (149, 22484), (162, 22514), (Start: 163 @22517 has 33 MA's), (179, 22553), (183, 22565), (206, 22616), (207, 22619), (235, 22679), (244, 22706), (251, 22721), (254, 22727), (261, 22739), (295, 22799), (313, 22823), (337, 22883), (361, 22979), (366, 23012), (389, 23084), (396, 23108), (473, 23336), (476, 23348),

Gene: Clifton_19 Start: 20217, Stop: 21371, Start Num: 82

Candidate Starts for Clifton_19:

(78, 20214), (Start: 82 @20217 has 14 MA's), (111, 20298), (131, 20346), (154, 20406), (157, 20415), (Start: 163 @20430 has 33 MA's), (173, 20454), (182, 20478), (186, 20490), (216, 20565), (219, 20574), (229, 20598), (239, 20628), (281, 20712), (283, 20715), (294, 20736), (360, 20895), (382, 20985), (384, 20994), (394, 21024), (402, 21045), (493, 21348),

Gene: Cobra_33 Start: 32375, Stop: 33535, Start Num: 53

Candidate Starts for Cobra_33:

(Start: 53 @32375 has 276 MA's), (Start: 91 @32486 has 1 MA's), (Start: 107 @32531 has 59 MA's), (155, 32630), (180, 32690), (192, 32726), (205, 32750), (227, 32795), (229, 32801), (249, 32852), (271, 32891), (274, 32894), (280, 32906), (289, 32921), (315, 32945), (329, 32978), (360, 33059), (370, 33104), (384, 33152), (396, 33188), (399, 33197), (402, 33203), (478, 33428),

Gene: Coffee_33 Start: 32800, Stop: 33963, Start Num: 53

Candidate Starts for Coffee_33:

(28, 32653), (Start: 51 @32794 has 11 MA's), (Start: 53 @32800 has 276 MA's), (67, 32839), (76, 32869), (Start: 91 @32914 has 1 MA's), (Start: 107 @32959 has 59 MA's), (155, 33058), (180, 33118), (192, 33154), (205, 33178), (227, 33223), (229, 33229), (249, 33280), (271, 33319), (274, 33322), (280, 33334), (289, 33349), (315, 33373), (329, 33406), (360, 33487), (384, 33580), (396, 33616), (399, 33625), (402, 33631), (478, 33856),

Gene: Colbert_33 Start: 32430, Stop: 33590, Start Num: 53

Candidate Starts for Colbert_33:

(Start: 53 @32430 has 276 MA's), (Start: 91 @32541 has 1 MA's), (Start: 107 @32586 has 59 MA's), (155, 32685), (180, 32745), (192, 32781), (205, 32805), (227, 32850), (229, 32856), (249, 32907), (271, 32946), (274, 32949), (280, 32961), (315, 33000), (329, 33033), (360, 33114), (370, 33159), (384, 33207), (396, 33243), (399, 33252), (402, 33258), (478, 33483),

Gene: Coletti_32 Start: 32415, Stop: 33575, Start Num: 53

Candidate Starts for Coletti_32:

(Start: 53 @32415 has 276 MA's), (Start: 91 @32526 has 1 MA's), (Start: 107 @32571 has 59 MA's), (155, 32670), (180, 32730), (192, 32766), (205, 32790), (227, 32835), (229, 32841), (249, 32892), (271, 32931), (274, 32934), (280, 32946), (315, 32985), (329, 33018), (360, 33099), (370, 33144), (384, 33192), (396, 33228), (399, 33237), (402, 33243), (478, 33468),

Gene: Compostia_34 Start: 32649, Stop: 33851, Start Num: 56

Candidate Starts for Compostia_34:

(Start: 56 @32649 has 99 MA's), (119, 32826), (126, 32835), (130, 32844), (147, 32883), (150, 32892), (158, 32910), (165, 32928), (173, 32946), (176, 32952), (181, 32964), (187, 32982), (192, 32997), (210, 33030), (222, 33057), (241, 33102), (284, 33183), (298, 33210), (316, 33228), (324, 33246), (339, 33288), (366, 33417), (394, 33507), (418, 33609), (446, 33675), (464, 33714), (480, 33786), (493, 33828),

Gene: Cooper_30 Start: 31786, Stop: 32946, Start Num: 56

Candidate Starts for Cooper_30:

(Start: 56 @31786 has 99 MA's), (Start: 91 @31894 has 1 MA's), (97, 31909), (100, 31921), (104, 31930), (Start: 107 @31939 has 59 MA's), (119, 31963), (132, 31981), (171, 32080), (176, 32089), (179, 32095), (183, 32107), (192, 32134), (206, 32149), (210, 32155), (214, 32161), (216, 32164), (224, 32182), (231, 32197), (247, 32239), (279, 32272), (298, 32308), (321, 32332), (338, 32362), (339, 32368), (354, 32434), (361, 32467), (362, 32470), (402, 32614), (464, 32803),

Gene: Cornobble_32 Start: 31929, Stop: 33089, Start Num: 53

Candidate Starts for Cornobble_32:

(Start: 53 @31929 has 276 MA's), (Start: 91 @32040 has 1 MA's), (Start: 107 @32085 has 59 MA's), (180, 32244), (192, 32280), (205, 32304), (227, 32349), (229, 32355), (249, 32406), (271, 32445), (274, 32448), (280, 32460), (315, 32499), (329, 32532), (360, 32613), (370, 32658), (384, 32706), (396, 32742), (399, 32751), (402, 32757), (478, 32982),

Gene: Cosmolli16_32 Start: 32088, Stop: 33239, Start Num: 53

Candidate Starts for Cosmolli16_32:

(Start: 53 @32088 has 276 MA's), (Start: 91 @32199 has 1 MA's), (Start: 107 @32244 has 59 MA's), (155, 32343), (180, 32403), (192, 32439), (205, 32463), (227, 32508), (229, 32514), (249, 32565), (262, 32589), (271, 32604), (274, 32607), (280, 32619), (289, 32634), (315, 32658), (329, 32691), (360, 32772), (370, 32817), (384, 32865), (396, 32901), (399, 32910), (402, 32916), (478, 33141),

Gene: Craff_33 Start: 32372, Stop: 33532, Start Num: 53

Candidate Starts for Craff_33:

(Start: 53 @32372 has 276 MA's), (Start: 91 @32483 has 1 MA's), (Start: 107 @32528 has 59 MA's), (155, 32627), (180, 32687), (192, 32723), (205, 32747), (227, 32792), (229, 32798), (249, 32849), (271, 32888), (274, 32891), (280, 32903), (289, 32918), (315, 32942), (329, 32975), (360, 33056), (370, 33101), (384, 33149), (396, 33185), (399, 33194), (402, 33200), (478, 33425),

Gene: CrimD_28 Start: 23294, Stop: 24307, Start Num: 106

Candidate Starts for CrimD_28:

(Start: 106 @23294 has 87 MA's), (Start: 156 @23405 has 3 MA's), (197, 23519), (248, 23636), (273, 23678), (280, 23690), (329, 23744), (360, 23822), (381, 23906), (384, 23918), (390, 23930), (402, 23969), (487, 24248),

Gene: Crownjwl_33 Start: 32145, Stop: 33305, Start Num: 53

Candidate Starts for Crownjwl_33:

(Start: 53 @32145 has 276 MA's), (Start: 91 @32256 has 1 MA's), (Start: 107 @32301 has 59 MA's), (155, 32400), (180, 32460), (192, 32496), (205, 32520), (227, 32565), (229, 32571), (249, 32622), (271, 32661), (274, 32664), (280, 32676), (289, 32691), (315, 32715), (329, 32748), (360, 32829), (370, 32874), (384, 32922), (396, 32958), (399, 32967), (402, 32973), (478, 33198),

Gene: Crumble_19 Start: 20264, Stop: 21418, Start Num: 82

Candidate Starts for Crumble_19:

(78, 20261), (Start: 82 @20264 has 14 MA's), (111, 20345), (131, 20393), (154, 20453), (157, 20462), (Start: 163 @20477 has 33 MA's), (173, 20501), (182, 20525), (186, 20537), (216, 20612), (219, 20621), (229, 20645), (239, 20675), (281, 20759), (283, 20762), (294, 20783), (360, 20942), (382, 21032), (384, 21041), (394, 21071), (402, 21092), (493, 21395),

Gene: D12_25 Start: 29948, Stop: 31156, Start Num: 56

Candidate Starts for D12_25:

(Start: 51 @29942 has 11 MA's), (Start: 56 @29948 has 99 MA's), (67, 29987), (Start: 91 @30062 has 1 MA's), (93, 30065), (104, 30098), (114, 30119), (119, 30131), (124, 30137), (130, 30149), (147, 30188), (148, 30191), (180, 30266), (187, 30287), (222, 30362), (241, 30407), (253, 30437), (280, 30482), (286, 30491), (289, 30497), (292, 30503), (312, 30527), (332, 30572), (339, 30593), (342, 30617), (362, 30692), (366, 30722), (384, 30782), (389, 30794), (394, 30812), (417, 30911), (418, 30914), (464, 31019), (468, 31025), (480, 31091), (483, 31094), (492, 31130),

Gene: DaddyDaniels_33 Start: 32063, Stop: 33223, Start Num: 53

Candidate Starts for DaddyDaniels_33:

(Start: 53 @32063 has 276 MA's), (Start: 91 @32174 has 1 MA's), (Start: 107 @32219 has 59 MA's), (155, 32318), (180, 32378), (192, 32414), (205, 32438), (227, 32483), (229, 32489), (249, 32540), (271, 32579), (274, 32582), (280, 32594), (289, 32609), (315, 32633), (329, 32666), (360, 32747), (384, 32840), (396, 32876), (399, 32885), (402, 32891), (478, 33116),

Gene: Daffy_33 Start: 32094, Stop: 33254, Start Num: 53

Candidate Starts for Daffy_33:

(Start: 53 @32094 has 276 MA's), (Start: 91 @32205 has 1 MA's), (Start: 107 @32250 has 59 MA's), (155, 32349), (180, 32409), (192, 32445), (205, 32469), (227, 32514), (229, 32520), (249, 32571), (271, 32610), (274, 32613), (280, 32625), (315, 32664), (329, 32697), (360, 32778), (370, 32823), (384, 32871), (396, 32907), (399, 32916), (402, 32922), (478, 33147),

Gene: Daisy_33 Start: 32246, Stop: 33448, Start Num: 56

Candidate Starts for Daisy_33:

(Start: 56 @32246 has 99 MA's), (66, 32279), (119, 32423), (126, 32432), (130, 32441), (147, 32480), (150, 32489), (158, 32507), (165, 32525), (173, 32543), (176, 32549), (181, 32561), (187, 32579), (192, 32594), (210, 32627), (222, 32654), (241, 32699), (284, 32780), (298, 32807), (316, 32825), (324, 32843), (339, 32885), (342, 32909), (362, 32984), (366, 33014), (384, 33074), (389, 33086), (394, 33104), (418, 33206), (464, 33311), (468, 33317), (472, 33335), (492, 33422),

Gene: Daka_33 Start: 32368, Stop: 33528, Start Num: 53

Candidate Starts for Daka_33:

(Start: 53 @32368 has 276 MA's), (Start: 91 @32479 has 1 MA's), (Start: 107 @32524 has 59 MA's), (180, 32683), (192, 32719), (205, 32743), (227, 32788), (229, 32794), (249, 32845), (271, 32884), (274, 32887), (280, 32899), (315, 32938), (329, 32971), (360, 33052), (370, 33097), (384, 33145), (396, 33181), (399, 33190), (402, 33196), (478, 33421),

Gene: Dalmuri_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Dalmuri_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Damp_30 Start: 37270, Stop: 38172, Start Num: 163

Candidate Starts for Damp_30:

(Start: 163 @37270 has 33 MA's), (222, 37408), (255, 37477), (281, 37525), (310, 37588), (330, 37624), (382, 37792), (468, 38026), (473, 38044), (493, 38149),

Gene: DarthP_27 Start: 23700, Stop: 24704, Start Num: 106

Candidate Starts for DarthP_27:

(Start: 106 @23700 has 87 MA's), (248, 24042), (348, 24174), (355, 24201), (383, 24315), (424, 24468), (464, 24561), (466, 24564), (479, 24627), (484, 24639),

Gene: Dati_33 Start: 32088, Stop: 33248, Start Num: 53

Candidate Starts for Dati_33:

(Start: 53 @32088 has 276 MA's), (Start: 91 @32199 has 1 MA's), (Start: 107 @32244 has 59 MA's), (155, 32343), (180, 32403), (192, 32439), (205, 32463), (227, 32508), (229, 32514), (249, 32565), (271, 32604), (274, 32607), (280, 32619), (315, 32658), (329, 32691), (360, 32772), (384, 32865), (396, 32901), (399, 32910), (402, 32916), (478, 33141),

Gene: Deby_28 Start: 23290, Stop: 24303, Start Num: 106

Candidate Starts for Deby_28:

(Start: 106 @23290 has 87 MA's), (Start: 156 @23401 has 3 MA's), (197, 23515), (248, 23632), (280, 23686), (329, 23740), (360, 23818), (384, 23914), (390, 23926), (398, 23956), (402, 23965), (434, 24079), (464, 24148),

Gene: Deenasa_33 Start: 32985, Stop: 34187, Start Num: 56

Candidate Starts for Deenasa_33:

(Start: 56 @32985 has 99 MA's), (66, 33018), (119, 33162), (126, 33171), (130, 33180), (147, 33219), (150, 33228), (158, 33246), (165, 33264), (173, 33282), (176, 33288), (181, 33300), (187, 33318), (192, 33333), (210, 33366), (222, 33393), (241, 33438), (284, 33519), (298, 33546), (316, 33564), (324, 33582), (339, 33624), (342, 33648), (362, 33723), (366, 33753), (384, 33813), (389, 33825), (394, 33843), (418, 33945), (464, 34050), (468, 34056), (472, 34074), (492, 34161),

Gene: DelRivs_32 Start: 32089, Stop: 33249, Start Num: 53

Candidate Starts for DelRivs_32:

(Start: 53 @32089 has 276 MA's), (Start: 91 @32200 has 1 MA's), (Start: 107 @32245 has 59 MA's), (155, 32344), (180, 32404), (192, 32440), (205, 32464), (227, 32509), (229, 32515), (249, 32566), (271, 32605), (274, 32608), (280, 32620), (315, 32659), (329, 32692), (360, 32773), (370, 32818), (384, 32866), (396, 32902), (399, 32911), (402, 32917), (478, 33142),

Gene: Derpp_32 Start: 31933, Stop: 33093, Start Num: 53

Candidate Starts for Derpp_32:

(Start: 53 @31933 has 276 MA's), (Start: 91 @32044 has 1 MA's), (Start: 107 @32089 has 59 MA's), (155, 32188), (180, 32248), (192, 32284), (205, 32308), (227, 32353), (229, 32359), (249, 32410), (271, 32449), (274, 32452), (280, 32464), (289, 32479), (315, 32503), (329, 32536), (360, 32617), (370, 32662), (384, 32710), (396, 32746), (399, 32755), (402, 32761), (478, 32986),

Gene: Devera_28 Start: 23337, Stop: 24350, Start Num: 106

Candidate Starts for Devera_28:

(Start: 106 @23337 has 87 MA's), (Start: 156 @23448 has 3 MA's), (159, 23457), (197, 23562), (239, 23658), (248, 23679), (273, 23721), (280, 23733), (329, 23787), (360, 23865), (384, 23961), (390, 23973), (402, 24012), (434, 24126), (464, 24195), (487, 24291),

Gene: Devonte_33 Start: 32210, Stop: 33412, Start Num: 56

Candidate Starts for Devonte_33:

(Start: 56 @32210 has 99 MA's), (66, 32243), (119, 32387), (126, 32396), (130, 32405), (147, 32444), (150, 32453), (158, 32471), (165, 32489), (173, 32507), (176, 32513), (181, 32525), (187, 32543), (192, 32558), (210, 32591), (222, 32618), (241, 32663), (284, 32744), (298, 32771), (316, 32789), (324, 32807), (339, 32849), (342, 32873), (362, 32948), (366, 32978), (384, 33038), (389, 33050), (394, 33068), (418, 33170), (464, 33275), (468, 33281), (472, 33299), (492, 33386),

Gene: Diabla_32 Start: 37690, Stop: 38598, Start Num: 163

Candidate Starts for Diabla_32:

(Start: 163 @37690 has 33 MA's), (222, 37825), (281, 37942), (310, 38005), (330, 38041), (382, 38209), (493, 38575), (494, 38581),

Gene: Dice_34 Start: 32068, Stop: 33228, Start Num: 53

Candidate Starts for Dice_34:

(Start: 53 @32068 has 276 MA's), (Start: 91 @32179 has 1 MA's), (Start: 107 @32224 has 59 MA's), (155, 32323), (180, 32383), (192, 32419), (205, 32443), (227, 32488), (229, 32494), (249, 32545), (271, 32584), (274, 32587), (280, 32599), (289, 32614), (315, 32638), (329, 32671), (360, 32752), (370, 32797), (384, 32845), (396, 32881), (399, 32890), (402, 32896), (478, 33121),

Gene: DigitDog_32 Start: 32179, Stop: 33684, Start Num: 14

Candidate Starts for DigitDog_32:

(Start: 14 @32179 has 8 MA's), (21, 32218), (30, 32290), (33, 32317), (39, 32368), (42, 32383), (121, 32635), (136, 32665), (141, 32683), (152, 32710), (Start: 163 @32737 has 33 MA's), (202, 32839), (217, 32878), (222, 32893), (253, 32968), (280, 33013), (284, 33019), (289, 33028), (339, 33124), (354, 33190), (362, 33226), (417, 33439), (468, 33550), (495, 33670),

Gene: Dingo_33 Start: 32351, Stop: 33511, Start Num: 53

Candidate Starts for Dingo_33:

(Start: 53 @32351 has 276 MA's), (Start: 91 @32462 has 1 MA's), (Start: 107 @32507 has 59 MA's), (155, 32606), (180, 32666), (192, 32702), (205, 32726), (227, 32771), (229, 32777), (249, 32828), (271, 32867), (274, 32870), (280, 32882), (289, 32897), (315, 32921), (329, 32954), (360, 33035), (370, 33080), (384, 33128), (396, 33164), (399, 33173), (402, 33179), (478, 33404),

Gene: Dione_32 Start: 32073, Stop: 33233, Start Num: 53

Candidate Starts for Dione_32:

(Start: 53 @32073 has 276 MA's), (Start: 91 @32184 has 1 MA's), (Start: 107 @32229 has 59 MA's), (155, 32328), (180, 32388), (192, 32424), (205, 32448), (227, 32493), (229, 32499), (249, 32550), (271, 32589), (274, 32592), (280, 32604), (289, 32619), (315, 32643), (329, 32676), (360, 32757), (370, 32802), (384, 32850), (396, 32886), (399, 32895), (402, 32901), (478, 33126),

Gene: DirkDirk_21 Start: 21671, Stop: 22843, Start Num: 56

Candidate Starts for DirkDirk_21:

(Start: 54 @21668 has 5 MA's), (Start: 56 @21671 has 99 MA's), (98, 21797), (117, 21839), (123, 21851), (Start: 125 @21854 has 1 MA's), (141, 21887), (145, 21899), (165, 21947), (173, 21965), (187, 22001), (192, 22016), (219, 22067), (233, 22097), (248, 22139), (260, 22163), (282, 22199), (286, 22205), (307, 22232), (320, 22250), (349, 22343), (350, 22346), (367, 22430), (406, 22568), (410, 22586), (439, 22670),

Gene: DirtJuice_33 Start: 32357, Stop: 33517, Start Num: 53

Candidate Starts for DirtJuice_33:

(Start: 53 @32357 has 276 MA's), (Start: 91 @32468 has 1 MA's), (Start: 107 @32513 has 59 MA's), (155, 32612), (180, 32672), (192, 32708), (205, 32732), (227, 32777), (229, 32783), (249, 32834), (271, 32873), (274, 32876), (280, 32888), (289, 32903), (315, 32927), (329, 32960), (360, 33041), (370, 33086), (384, 33134), (396, 33170), (399, 33179), (402, 33185), (478, 33410),

Gene: DismalFunk_25 Start: 21282, Stop: 22277, Start Num: 107

Candidate Starts for DismalFunk_25:

(25, 20961), (43, 21099), (69, 21198), (Start: 107 @21282 has 59 MA's), (143, 21363), (154, 21387), (177, 21447), (196, 21501), (197, 21507), (242, 21609), (243, 21612), (268, 21660), (273, 21666), (296, 21708), (329, 21732), (362, 21816), (383, 21900), (402, 21957), (491, 22254),

Gene: DismalStressor_25 Start: 21282, Stop: 22277, Start Num: 107

Candidate Starts for DismalStressor_25:

(43, 21099), (69, 21198), (Start: 107 @21282 has 59 MA's), (143, 21363), (154, 21387), (177, 21447), (196, 21501), (197, 21507), (242, 21609), (243, 21612), (268, 21660), (273, 21666), (296, 21708), (329, 21732), (362, 21816), (383, 21900), (402, 21957), (491, 22254),

Gene: Doddsville_33 Start: 32087, Stop: 33247, Start Num: 53

Candidate Starts for Doddsville_33:

(Start: 53 @32087 has 276 MA's), (Start: 91 @32198 has 1 MA's), (Start: 107 @32243 has 59 MA's), (155, 32342), (180, 32402), (192, 32438), (205, 32462), (227, 32507), (229, 32513), (249, 32564), (271, 32603), (274, 32606), (280, 32618), (315, 32657), (329, 32690), (360, 32771), (384, 32864), (396, 32900), (399, 32909), (402, 32915), (478, 33140),

Gene: DoesntMatter_33 Start: 32360, Stop: 33520, Start Num: 53

Candidate Starts for DoesntMatter_33:

(Start: 53 @32360 has 276 MA's), (Start: 91 @32471 has 1 MA's), (Start: 107 @32516 has 59 MA's), (155, 32615), (180, 32675), (192, 32711), (205, 32735), (227, 32780), (229, 32786), (249, 32837), (271, 32876), (274, 32879), (280, 32891), (315, 32930), (329, 32963), (360, 33044), (370, 33089), (384, 33137), (396, 33173), (399, 33182), (402, 33188), (478, 33413),

Gene: Dogfish_30 Start: 26617, Stop: 27699, Start Num: 103

Candidate Starts for Dogfish_30:

(Start: 103 @26617 has 1 MA's), (187, 26827), (223, 26905), (243, 26959), (264, 27004), (300, 27061), (308, 27067), (336, 27130), (356, 27187), (359, 27202), (389, 27319),

Gene: Dole_28 Start: 23339, Stop: 24352, Start Num: 106

Candidate Starts for Dole_28:

(Start: 106 @23339 has 87 MA's), (Start: 156 @23450 has 3 MA's), (159, 23459), (197, 23564), (239, 23660), (248, 23681), (273, 23723), (280, 23735), (329, 23789), (360, 23867), (384, 23963), (390, 23975), (402, 24014), (434, 24128), (464, 24197), (487, 24293),

Gene: DonSanchon_32 Start: 32067, Stop: 33227, Start Num: 53

Candidate Starts for DonSanchon_32:

(Start: 53 @32067 has 276 MA's), (Start: 91 @32178 has 1 MA's), (Start: 107 @32223 has 59 MA's), (155, 32322), (180, 32382), (192, 32418), (205, 32442), (227, 32487), (229, 32493), (249, 32544), (271, 32583), (274, 32586), (280, 32598), (315, 32637), (329, 32670), (360, 32751), (370, 32796), (384, 32844), (396, 32880), (399, 32889), (402, 32895), (478, 33120),

Gene: Donny_32 Start: 32591, Stop: 34096, Start Num: 14

Candidate Starts for Donny_32:

(Start: 14 @32591 has 8 MA's), (16, 32609), (21, 32630), (26, 32684), (38, 32762), (39, 32780), (42, 32795), (44, 32807), (119, 33044), (141, 33095), (152, 33122), (Start: 163 @33149 has 33 MA's), (196, 33236), (202, 33251), (217, 33290), (253, 33380), (289, 33440), (344, 33563), (354, 33602), (362, 33638), (468, 33962), (495, 34082),

Gene: DoobyDoo_32 Start: 28492, Stop: 29541, Start Num: 101

Candidate Starts for DoobyDoo_32:

(Start: 101 @28492 has 21 MA's), (134, 28567), (148, 28606), (157, 28627), (187, 28702), (192, 28717), (223, 28780), (246, 28840), (308, 28942), (385, 29176), (469, 29404),

Gene: Dori_29 Start: 28828, Stop: 29994, Start Num: 51

Candidate Starts for Dori_29:

(Start: 51 @28828 has 11 MA's), (Start: 53 @28834 has 276 MA's), (58, 28846), (65, 28870), (67, 28873), (76, 28903), (Start: 91 @28948 has 1 MA's), (Start: 107 @28993 has 59 MA's), (108, 28996), (192, 29188), (205, 29212), (208, 29218), (224, 29251), (227, 29257), (229, 29263), (231, 29266), (249, 29314), (286, 29377), (288, 29380), (320, 29413), (354, 29488), (360, 29518), (394, 29641), (397, 29650), (399, 29656),

Gene: DrHayes_28 Start: 23284, Stop: 24297, Start Num: 106

Candidate Starts for DrHayes_28:

(Start: 90 @23239 has 1 MA's), (Start: 106 @23284 has 87 MA's), (Start: 156 @23395 has 3 MA's), (197, 23509), (248, 23626), (273, 23668), (280, 23680), (329, 23734), (360, 23812), (384, 23908), (390, 23920), (402, 23959), (407, 23995), (464, 24142), (487, 24238),

Gene: DuchessDung_31 Start: 31224, Stop: 32384, Start Num: 53

Candidate Starts for DuchessDung_31:

(Start: 53 @31224 has 276 MA's), (Start: 91 @31335 has 1 MA's), (Start: 107 @31380 has 59 MA's), (155, 31479), (180, 31539), (192, 31575), (205, 31599), (227, 31644), (229, 31650), (249, 31701), (271, 31740), (274, 31743), (280, 31755), (315, 31794), (329, 31827), (360, 31908), (384, 32001), (396, 32037), (399, 32046), (402, 32052), (478, 32277),

Gene: Duggie_32 Start: 32089, Stop: 33249, Start Num: 53

Candidate Starts for Duggie_32:

(Start: 53 @32089 has 276 MA's), (Start: 91 @32200 has 1 MA's), (Start: 107 @32245 has 59 MA's), (155, 32344), (180, 32404), (192, 32440), (205, 32464), (227, 32509), (229, 32515), (249, 32566), (271, 32605), (274, 32608), (280, 32620), (289, 32635), (315, 32659), (329, 32692), (360, 32773), (370, 32818), (384, 32866), (396, 32902), (399, 32911), (402, 32917), (478, 33142),

Gene: DumpsterDude_23 Start: 21990, Stop: 23072, Start Num: 102

Candidate Starts for DumpsterDude_23:

(59, 21855), (Start: 102 @21990 has 5 MA's), (133, 22062), (187, 22200), (200, 22230), (246, 22338), (266, 22380), (300, 22434), (356, 22560),

Gene: DuncansLeg_22 Start: 22232, Stop: 23449, Start Num: 56

Candidate Starts for DuncansLeg_22:

(Start: 56 @22232 has 99 MA's), (63, 22259), (89, 22334), (96, 22346), (100, 22364), (123, 22412), (141, 22448), (147, 22463), (149, 22469), (162, 22499), (Start: 163 @22502 has 33 MA's), (165, 22508), (183, 22550), (195, 22586), (206, 22601), (207, 22604), (209, 22607), (210, 22610), (254, 22712), (261, 22724), (293, 22781), (295, 22784), (313, 22808), (337, 22868), (366, 22997), (484, 23375), (487, 23381),

Gene: Durfee_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Durfee_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (Start: 156 @23467 has 3 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (390, 23992), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Durga_33 Start: 32387, Stop: 33547, Start Num: 53

Candidate Starts for Durga_33:

(Start: 53 @32387 has 276 MA's), (Start: 91 @32498 has 1 MA's), (Start: 107 @32543 has 59 MA's), (155, 32642), (180, 32702), (192, 32738), (205, 32762), (227, 32807), (229, 32813), (249, 32864), (271, 32903), (274, 32906), (280, 32918), (289, 32933), (315, 32957), (329, 32990), (360, 33071), (370, 33116), (384, 33164), (396, 33200), (399, 33209), (402, 33215), (478, 33440),

Gene: DyoEdafos_22 Start: 21679, Stop: 22761, Start Num: 90

Candidate Starts for DyoEdafos_22:

(Start: 90 @21679 has 1 MA's), (206, 21931), (226, 21970), (230, 21979), (233, 21982), (242, 22009), (246, 22018), (257, 22042), (297, 22096), (299, 22099), (332, 22153), (363, 22273), (368, 22306), (370, 22309), (389, 22369), (402, 22408), (404, 22423), (436, 22534), (459, 22582),

Gene: Eaglehorse_33 Start: 32724, Stop: 33887, Start Num: 53

Candidate Starts for Eaglehorse_33:

(28, 32577), (Start: 51 @32718 has 11 MA's), (Start: 53 @32724 has 276 MA's), (67, 32763), (76, 32793), (Start: 91 @32838 has 1 MA's), (Start: 107 @32883 has 59 MA's), (155, 32982), (180, 33042), (192, 33078), (205, 33102), (227, 33147), (229, 33153), (249, 33204), (271, 33243), (274, 33246), (280, 33258), (289, 33273), (315, 33297), (329, 33330), (360, 33411), (370, 33456), (384, 33504), (396, 33540), (399, 33549), (402, 33555), (478, 33780),

Gene: EastView9101_32 Start: 32241, Stop: 33746, Start Num: 14

Candidate Starts for EastView9101_32:

(Start: 14 @32241 has 8 MA's), (16, 32259), (21, 32280), (26, 32334), (38, 32412), (39, 32430), (42, 32445), (44, 32457), (119, 32694), (141, 32745), (152, 32772), (Start: 163 @32799 has 33 MA's), (196, 32886), (202, 32901), (217, 32940), (253, 33030), (289, 33090), (344, 33213), (354, 33252), (362, 33288), (468, 33612), (495, 33732),

Gene: Efra2_28 Start: 22526, Stop: 23587, Start Num: 106

Candidate Starts for Efra2_28:

(Start: 106 @22526 has 87 MA's), (Start: 156 @22640 has 3 MA's), (197, 22754), (207, 22775), (241, 22853), (244, 22862), (253, 22883), (257, 22889), (345, 22997), (360, 23057), (386, 23177), (387, 23183), (388, 23189), (405, 23279), (452, 23405), (460, 23420),

Gene: Ekdilam_25 Start: 23459, Stop: 24463, Start Num: 106

Candidate Starts for Ekdilam_25:

(Start: 106 @23459 has 87 MA's), (187, 23651), (194, 23672), (207, 23705), (222, 23738), (248, 23801), (348, 23933), (355, 23960), (383, 24074), (424, 24227), (464, 24320), (479, 24386),

Gene: Ellie_25 Start: 23458, Stop: 24465, Start Num: 106

Candidate Starts for Ellie_25:

(Start: 106 @23458 has 87 MA's), (146, 23548), (Start: 156 @23569 has 3 MA's), (187, 23650), (197, 23683), (207, 23704), (361, 23989), (373, 24028), (479, 24388), (494, 24448),

Gene: Ellson_22 Start: 22237, Stop: 23436, Start Num: 56

Candidate Starts for Ellson_22:

(Start: 56 @22237 has 99 MA's), (89, 22339), (100, 22369), (104, 22378), (123, 22417), (130, 22429), (147, 22468), (162, 22504), (165, 22513), (181, 22549), (201, 22597), (261, 22729), (263, 22735), (337, 22873), (366, 23002), (383, 23056), (389, 23074), (451, 23266), (486, 23374),

Gene: Emerson_28 Start: 23316, Stop: 24329, Start Num: 106

Candidate Starts for Emerson_28:

(12, 22872), (Start: 90 @23271 has 1 MA's), (Start: 106 @23316 has 87 MA's), (197, 23541), (248, 23658), (273, 23700), (280, 23712), (329, 23766), (360, 23844), (384, 23940), (390, 23952), (398, 23982), (402, 23991), (434, 24105), (464, 24174),

Gene: Emiris_33 Start: 32358, Stop: 33518, Start Num: 53

Candidate Starts for Emiris_33:

(Start: 53 @32358 has 276 MA's), (Start: 91 @32469 has 1 MA's), (Start: 107 @32514 has 59 MA's), (155, 32613), (180, 32673), (192, 32709), (205, 32733), (227, 32778), (229, 32784), (249, 32835), (271, 32874), (274, 32877), (280, 32889), (289, 32904), (315, 32928), (329, 32961), (360, 33042), (370, 33087), (384, 33135), (396, 33171), (399, 33180), (402, 33186), (478, 33411),

Gene: EmpTee_33 Start: 32367, Stop: 33527, Start Num: 53

Candidate Starts for EmpTee_33:

(Start: 53 @32367 has 276 MA's), (Start: 91 @32478 has 1 MA's), (Start: 107 @32523 has 59 MA's), (155, 32622), (180, 32682), (192, 32718), (205, 32742), (227, 32787), (229, 32793), (249, 32844), (271, 32883), (274, 32886), (280, 32898), (315, 32937), (329, 32970), (360, 33051), (370, 33096), (384, 33144), (396, 33180), (399, 33189), (402, 33195), (478, 33420),

Gene: Enceladus_21 Start: 21672, Stop: 22844, Start Num: 56

Candidate Starts for Enceladus_21:

(Start: 54 @21669 has 5 MA's), (Start: 56 @21672 has 99 MA's), (98, 21798), (117, 21840), (123, 21852), (Start: 125 @21855 has 1 MA's), (141, 21888), (145, 21900), (165, 21948), (173, 21966), (187, 22002), (192, 22017), (219, 22068), (233, 22098), (248, 22140), (260, 22164), (282, 22200), (286, 22206), (307, 22233), (320, 22251), (349, 22344), (350, 22347), (367, 22431), (406, 22569), (410, 22587), (439, 22671),

Gene: Enkosi_24 Start: 22900, Stop: 23907, Start Num: 107

Candidate Starts for Enkosi_24:

(87, 22849), (95, 22861), (Start: 107 @22900 has 59 MA's), (138, 22960), (165, 23032), (187, 23086), (194, 23107), (248, 23236), (275, 23281), (277, 23284), (328, 23341), (329, 23344), (353, 23389), (361, 23425), (384, 23521), (390, 23533), (419, 23653), (475, 23785),

Gene: Eremos_33 Start: 32366, Stop: 33526, Start Num: 53

Candidate Starts for Eremos_33:

(Start: 53 @32366 has 276 MA's), (Start: 107 @32522 has 59 MA's), (155, 32621), (180, 32681), (192, 32717), (205, 32741), (227, 32786), (229, 32792), (249, 32843), (271, 32882), (274, 32885), (280,

32897), (315, 32936), (329, 32969), (360, 33050), (370, 33095), (384, 33143), (396, 33179), (399, 33188), (402, 33194), (478, 33419),

Gene: Erutan_33 Start: 29002, Stop: 30048, Start Num: 101

Candidate Starts for Erutan_33:

(Start: 101 @29002 has 21 MA's), (148, 29116), (157, 29137), (187, 29212), (192, 29227), (223, 29290), (336, 29515), (385, 29686), (401, 29731), (469, 29914),

Gene: Etaye_33 Start: 32357, Stop: 33517, Start Num: 53

Candidate Starts for Etaye_33:

(Start: 53 @32357 has 276 MA's), (Start: 91 @32468 has 1 MA's), (Start: 107 @32513 has 59 MA's), (155, 32612), (180, 32672), (192, 32708), (205, 32732), (227, 32777), (229, 32783), (249, 32834), (271, 32873), (274, 32876), (280, 32888), (289, 32903), (315, 32927), (329, 32960), (360, 33041), (370, 33086), (384, 33134), (396, 33170), (399, 33179), (402, 33185), (478, 33410),

Gene: Eugenia_33 Start: 32376, Stop: 33536, Start Num: 53

Candidate Starts for Eugenia_33:

(Start: 53 @32376 has 276 MA's), (Start: 91 @32487 has 1 MA's), (Start: 107 @32532 has 59 MA's), (155, 32631), (180, 32691), (192, 32727), (205, 32751), (227, 32796), (229, 32802), (249, 32853), (271, 32892), (274, 32895), (280, 32907), (289, 32922), (315, 32946), (329, 32979), (360, 33060), (370, 33105), (384, 33153), (396, 33189), (399, 33198), (402, 33204), (478, 33429),

Gene: EvilGenius_34 Start: 25671, Stop: 26591, Start Num: 56

Candidate Starts for EvilGenius_34:

(Start: 56 @25671 has 99 MA's), (93, 25779), (140, 25881), (147, 25902), (173, 25965), (241, 26097), (364, 26379), (415, 26529), (438, 26586),

Gene: Ewald_30 Start: 26639, Stop: 27724, Start Num: 102

Candidate Starts for Ewald_30:

(59, 26504), (Start: 102 @26639 has 5 MA's), (144, 26744), (152, 26762), (187, 26849), (287, 27062), (294, 27077), (316, 27104), (323, 27119), (356, 27212), (359, 27227), (376, 27284), (389, 27344), (399, 27377),

Gene: Fang_33 Start: 32380, Stop: 33540, Start Num: 53

Candidate Starts for Fang_33:

(Start: 53 @32380 has 276 MA's), (Start: 91 @32491 has 1 MA's), (Start: 107 @32536 has 59 MA's), (155, 32635), (180, 32695), (192, 32731), (205, 32755), (227, 32800), (229, 32806), (249, 32857), (271, 32896), (274, 32899), (280, 32911), (289, 32926), (315, 32950), (329, 32983), (360, 33064), (370, 33109), (384, 33157), (396, 33193), (399, 33202), (402, 33208), (478, 33433),

Gene: Faze9_33 Start: 32820, Stop: 33983, Start Num: 53

Candidate Starts for Faze9_33:

(Start: 51 @32814 has 11 MA's), (Start: 53 @32820 has 276 MA's), (67, 32859), (76, 32889), (Start: 91 @32934 has 1 MA's), (Start: 107 @32979 has 59 MA's), (155, 33078), (180, 33138), (192, 33174), (205, 33198), (227, 33243), (229, 33249), (249, 33300), (271, 33339), (274, 33342), (280, 33354), (289, 33369), (315, 33393), (329, 33426), (360, 33507), (370, 33552), (384, 33600), (396, 33636), (399, 33645), (402, 33651), (478, 33876),

Gene: Fefferhead_27 Start: 23613, Stop: 24665, Start Num: 106

Candidate Starts for Fefferhead_27:

(95, 23577), (Start: 106 @23613 has 87 MA's), (146, 23703), (Start: 156 @23724 has 3 MA's), (165, 23751), (197, 23838), (207, 23859), (218, 23880), (304, 24069), (348, 24147), (361, 24204), (366, 24237), (375, 24252), (460, 24507), (464, 24522), (480, 24603), (493, 24642),

Gene: FelixAlejandro_34 Start: 38037, Stop: 38939, Start Num: 163

Candidate Starts for FelixAlejandro_34:

(Start: 163 @38037 has 33 MA's), (222, 38172), (239, 38205), (265, 38256), (281, 38283), (330, 38382), (361, 38463), (379, 38517), (450, 38754), (488, 38880), (494, 38922),

Gene: Findley_25 Start: 21282, Stop: 22307, Start Num: 107

Candidate Starts for Findley_25:

(43, 21099), (69, 21198), (Start: 107 @21282 has 59 MA's), (143, 21363), (154, 21387), (177, 21447), (196, 21501), (197, 21507), (234, 21588), (236, 21594), (242, 21609), (243, 21612), (362, 21816), (491, 22275), (493, 22284),

Gene: Finnry_22 Start: 22251, Stop: 23468, Start Num: 56

Candidate Starts for Finnry_22:

(Start: 56 @22251 has 99 MA's), (89, 22353), (96, 22365), (100, 22383), (104, 22392), (123, 22431), (141, 22467), (147, 22482), (149, 22488), (162, 22518), (Start: 163 @22521 has 33 MA's), (179, 22557), (183, 22569), (206, 22620), (207, 22623), (235, 22683), (244, 22710), (251, 22725), (254, 22731), (261, 22743), (295, 22803), (313, 22827), (337, 22887), (361, 22983), (366, 23016), (389, 23088), (396, 23112), (402, 23127), (473, 23340), (476, 23352),

Gene: Fionnbharth_29 Start: 24586, Stop: 25590, Start Num: 107

Candidate Starts for Fionnbharth_29:

(Start: 107 @24586 has 59 MA's), (140, 24655), (181, 24754), (196, 24799), (197, 24805), (222, 24859), (227, 24868), (239, 24904), (261, 24949), (276, 24970), (279, 24976), (280, 24979), (360, 25111), (361, 25114), (394, 25237), (402, 25258), (484, 25525),

Gene: FluffyNinja_33 Start: 32373, Stop: 33533, Start Num: 53

Candidate Starts for FluffyNinja_33:

(Start: 53 @32373 has 276 MA's), (Start: 91 @32484 has 1 MA's), (Start: 107 @32529 has 59 MA's), (155, 32628), (180, 32688), (192, 32724), (205, 32748), (227, 32793), (229, 32799), (249, 32850), (271, 32889), (274, 32892), (280, 32904), (289, 32919), (315, 32943), (329, 32976), (360, 33057), (370, 33102), (384, 33150), (396, 33186), (399, 33195), (402, 33201), (478, 33426),

Gene: Fortunato_30 Start: 32604, Stop: 33761, Start Num: 56

Candidate Starts for Fortunato_30:

(Start: 56 @32604 has 99 MA's), (85, 32697), (Start: 91 @32712 has 1 MA's), (97, 32727), (100, 32739), (Start: 107 @32757 has 59 MA's), (132, 32799), (171, 32898), (176, 32907), (183, 32925), (192, 32952), (206, 32967), (210, 32973), (214, 32979), (217, 32985), (231, 33012), (235, 33021), (247, 33054), (279, 33087), (338, 33177), (339, 33183), (354, 33249), (360, 33279), (361, 33282), (402, 33429), (449, 33582),

Gene: Fozzie_32 Start: 32389, Stop: 33549, Start Num: 53

Candidate Starts for Fozzie_32:

(Start: 53 @32389 has 276 MA's), (Start: 91 @32500 has 1 MA's), (Start: 107 @32545 has 59 MA's), (155, 32644), (180, 32704), (192, 32740), (205, 32764), (227, 32809), (229, 32815), (249, 32866), (271, 32905), (274, 32908), (280, 32920), (289, 32935), (315, 32959), (329, 32992), (360, 33073), (370, 33118), (384, 33166), (396, 33202), (399, 33211), (402, 33217), (478, 33442),

Gene: Frankicide_33 Start: 32385, Stop: 33545, Start Num: 53

Candidate Starts for Frankicide_33:

(Start: 53 @32385 has 276 MA's), (Start: 91 @32496 has 1 MA's), (Start: 107 @32541 has 59 MA's), (155, 32640), (180, 32700), (192, 32736), (205, 32760), (227, 32805), (229, 32811), (249, 32862), (271, 32901), (274, 32904), (280, 32916), (289, 32931), (315, 32955), (329, 32988), (360, 33069),

(370, 33114), (384, 33162), (396, 33198), (399, 33207), (402, 33213), (478, 33438),

Gene: Frederick_30 Start: 32610, Stop: 33767, Start Num: 56

Candidate Starts for Frederick_30:

(Start: 56 @32610 has 99 MA's), (85, 32703), (Start: 91 @32718 has 1 MA's), (97, 32733), (100, 32745), (Start: 107 @32763 has 59 MA's), (132, 32805), (150, 32853), (171, 32904), (176, 32913), (183, 32931), (192, 32958), (206, 32973), (210, 32979), (214, 32985), (217, 32991), (231, 33018), (235, 33027), (247, 33060), (279, 33093), (321, 33153), (338, 33183), (339, 33189), (349, 33234), (361, 33288), (362, 33291), (402, 33435), (449, 33588),

Gene: FrenchFry_33 Start: 32814, Stop: 33977, Start Num: 53

Candidate Starts for FrenchFry_33:

(28, 32667), (Start: 51 @32808 has 11 MA's), (Start: 53 @32814 has 276 MA's), (67, 32853), (76, 32883), (Start: 91 @32928 has 1 MA's), (Start: 107 @32973 has 59 MA's), (155, 33072), (180, 33132), (192, 33168), (205, 33192), (227, 33237), (229, 33243), (249, 33294), (271, 33333), (274, 33336), (280, 33348), (289, 33363), (315, 33387), (329, 33420), (360, 33501), (384, 33594), (396, 33630), (399, 33639), (402, 33645), (413, 33705), (478, 33870),

Gene: Freya_32 Start: 32064, Stop: 33224, Start Num: 53

Candidate Starts for Freya_32:

(Start: 53 @32064 has 276 MA's), (Start: 91 @32175 has 1 MA's), (Start: 107 @32220 has 59 MA's), (155, 32319), (180, 32379), (192, 32415), (205, 32439), (227, 32484), (229, 32490), (249, 32541), (271, 32580), (274, 32583), (280, 32595), (289, 32610), (315, 32634), (329, 32667), (360, 32748), (370, 32793), (384, 32841), (396, 32877), (399, 32886), (402, 32892), (478, 33117),

Gene: FriarPreacher_33 Start: 32391, Stop: 33551, Start Num: 53

Candidate Starts for FriarPreacher_33:

(Start: 53 @32391 has 276 MA's), (Start: 91 @32502 has 1 MA's), (Start: 107 @32547 has 59 MA's), (155, 32646), (180, 32706), (192, 32742), (205, 32766), (227, 32811), (229, 32817), (249, 32868), (271, 32907), (274, 32910), (280, 32922), (289, 32937), (315, 32961), (329, 32994), (360, 33075), (370, 33120), (384, 33168), (396, 33204), (399, 33213), (402, 33219), (478, 33444),

Gene: Fringe_33 Start: 32356, Stop: 33516, Start Num: 53

Candidate Starts for Fringe_33:

(Start: 53 @32356 has 276 MA's), (Start: 91 @32467 has 1 MA's), (Start: 107 @32512 has 59 MA's), (155, 32611), (180, 32671), (192, 32707), (205, 32731), (227, 32776), (229, 32782), (249, 32833), (271, 32872), (274, 32875), (280, 32887), (315, 32926), (329, 32959), (360, 33040), (370, 33085), (384, 33133), (396, 33169), (399, 33178), (402, 33184), (478, 33409),

Gene: FugateOSU_32 Start: 32069, Stop: 33229, Start Num: 53

Candidate Starts for FugateOSU_32:

(Start: 53 @32069 has 276 MA's), (Start: 91 @32180 has 1 MA's), (Start: 107 @32225 has 59 MA's), (155, 32324), (180, 32384), (192, 32420), (205, 32444), (227, 32489), (229, 32495), (249, 32546), (271, 32585), (274, 32588), (280, 32600), (289, 32615), (315, 32639), (329, 32672), (360, 32753), (370, 32798), (384, 32846), (396, 32882), (399, 32891), (402, 32897), (478, 33122),

Gene: Fulbright_21 Start: 20200, Stop: 21357, Start Num: 82

Candidate Starts for Fulbright_21:

(Start: 82 @20200 has 14 MA's), (111, 20281), (120, 20308), (131, 20329), (154, 20389), (Start: 163 @20413 has 33 MA's), (165, 20419), (173, 20437), (178, 20449), (182, 20461), (186, 20473), (198, 20509), (209, 20533), (216, 20548), (219, 20557), (229, 20581), (235, 20596), (239, 20611), (281, 20695), (283, 20698), (294, 20719), (302, 20740), (305, 20749), (311, 20761), (317, 20770), (402, 21031), (418, 21100), (493, 21334),

Gene: Fulcrum_34 Start: 29520, Stop: 30569, Start Num: 101

Candidate Starts for Fulcrum_34:

(Start: 101 @29520 has 21 MA's), (148, 29634), (157, 29655), (187, 29730), (192, 29745), (223, 29808), (246, 29868), (308, 29970), (336, 30033), (385, 30204), (469, 30432),

Gene: Funsized_35 Start: 35123, Stop: 36316, Start Num: 56

Candidate Starts for Funsized_35:

(8, 34694), (41, 35066), (47, 35099), (Start: 56 @35123 has 99 MA's), (104, 35279), (129, 35327), (141, 35354), (147, 35369), (149, 35375), (173, 35432), (192, 35483), (193, 35486), (195, 35492), (205, 35507), (222, 35543), (227, 35552), (271, 35648), (286, 35672), (288, 35675), (361, 35804), (381, 35891), (398, 35945), (493, 36290), (494, 36296),

Gene: GOATification_34 Start: 29520, Stop: 30569, Start Num: 101

Candidate Starts for GOATification_34:

(Start: 101 @29520 has 21 MA's), (148, 29634), (157, 29655), (187, 29730), (192, 29745), (223, 29808), (246, 29868), (308, 29970), (336, 30033), (385, 30204), (469, 30432),

Gene: Gadget_34 Start: 32229, Stop: 33431, Start Num: 56

Candidate Starts for Gadget_34:

(Start: 56 @32229 has 99 MA's), (66, 32262), (119, 32406), (126, 32415), (130, 32424), (147, 32463), (150, 32472), (158, 32490), (165, 32508), (173, 32526), (176, 32532), (181, 32544), (187, 32562), (192, 32577), (210, 32610), (222, 32637), (241, 32682), (284, 32763), (298, 32790), (316, 32808), (324, 32826), (339, 32868), (366, 32997), (394, 33087), (418, 33189), (443, 33246), (446, 33255), (464, 33294), (480, 33366), (493, 33408),

Gene: Gail_32 Start: 24477, Stop: 25421, Start Num: 56

Candidate Starts for Gail_32:

(Start: 56 @24477 has 99 MA's), (89, 24582), (93, 24588), (97, 24600), (109, 24636), (147, 24711), (173, 24774), (175, 24777), (176, 24780), (242, 24915), (412, 25371),

Gene: GalacticEye_30 Start: 38068, Stop: 38970, Start Num: 163

Candidate Starts for GalacticEye_30:

(Start: 163 @38068 has 33 MA's), (222, 38206), (255, 38275), (281, 38323), (310, 38386), (330, 38422), (382, 38590), (473, 38842), (493, 38947),

Gene: Ganymede_29 Start: 23336, Stop: 24349, Start Num: 106

Candidate Starts for Ganymede_29:

(12, 22892), (Start: 90 @23291 has 1 MA's), (Start: 106 @23336 has 87 MA's), (Start: 156 @23447 has 3 MA's), (197, 23561), (248, 23678), (273, 23720), (280, 23732), (324, 23771), (329, 23786), (360, 23864), (381, 23948), (384, 23960), (390, 23972), (402, 24011), (434, 24125), (464, 24194),

Gene: Gareth_32 Start: 32072, Stop: 33232, Start Num: 53

Candidate Starts for Gareth_32:

(Start: 53 @32072 has 276 MA's), (Start: 91 @32183 has 1 MA's), (Start: 107 @32228 has 59 MA's), (155, 32327), (180, 32387), (192, 32423), (205, 32447), (227, 32492), (229, 32498), (249, 32549), (271, 32588), (274, 32591), (280, 32603), (289, 32618), (315, 32642), (329, 32675), (360, 32756), (370, 32801), (384, 32849), (396, 32885), (399, 32894), (402, 32900), (478, 33125),

Gene: Genamy16_33 Start: 27521, Stop: 28618, Start Num: 101

Candidate Starts for Genamy16_33:

(Start: 101 @27521 has 21 MA's), (148, 27635), (188, 27728), (211, 27761), (213, 27764), (215, 27767), (221, 27785), (223, 27788), (228, 27800), (246, 27848), (278, 27911), (314, 27965), (351,

28061), (359, 28103), (414, 28337), (429, 28376), (466, 28463), (496, 28610),

Gene: GeneCoco_33 Start: 32381, Stop: 33541, Start Num: 53

Candidate Starts for GeneCoco_33:

(Start: 53 @32381 has 276 MA's), (Start: 91 @32492 has 1 MA's), (Start: 107 @32537 has 59 MA's), (155, 32636), (180, 32696), (192, 32732), (205, 32756), (227, 32801), (229, 32807), (249, 32858), (271, 32897), (274, 32900), (280, 32912), (289, 32927), (315, 32951), (329, 32984), (360, 33065), (370, 33110), (384, 33158), (396, 33194), (399, 33203), (402, 33209), (478, 33434),

Gene: Geraldini_28 Start: 23332, Stop: 24345, Start Num: 106

Candidate Starts for Geraldini_28:

(12, 22888), (Start: 90 @23287 has 1 MA's), (Start: 106 @23332 has 87 MA's), (Start: 156 @23443 has 3 MA's), (196, 23551), (197, 23557), (248, 23674), (273, 23716), (280, 23728), (329, 23782), (360, 23860), (381, 23944), (384, 23956), (390, 23968), (402, 24007), (434, 24121), (464, 24190),

Gene: Gervas_33 Start: 32200, Stop: 33402, Start Num: 56

Candidate Starts for Gervas_33:

(Start: 56 @32200 has 99 MA's), (66, 32233), (119, 32377), (126, 32386), (130, 32395), (147, 32434), (150, 32443), (158, 32461), (180, 32512), (183, 32521), (187, 32533), (189, 32539), (192, 32548), (217, 32593), (222, 32608), (241, 32653), (258, 32692), (277, 32722), (286, 32737), (292, 32749), (312, 32773), (332, 32818), (339, 32839), (342, 32863), (362, 32938), (366, 32968), (384, 33028), (389, 33040), (394, 33058), (418, 33160), (464, 33265), (468, 33271), (472, 33289), (492, 33376),

Gene: Gibbin_34 Start: 29619, Stop: 30668, Start Num: 101

Candidate Starts for Gibbin_34:

(Start: 101 @29619 has 21 MA's), (148, 29733), (164, 29775), (187, 29829), (192, 29844), (223, 29907), (385, 30303), (401, 30348), (422, 30438), (469, 30531),

Gene: Giraffe_33 Start: 32075, Stop: 33235, Start Num: 53

Candidate Starts for Giraffe_33:

(Start: 53 @32075 has 276 MA's), (Start: 91 @32186 has 1 MA's), (Start: 107 @32231 has 59 MA's), (155, 32330), (180, 32390), (192, 32426), (205, 32450), (227, 32495), (229, 32501), (249, 32552), (271, 32591), (274, 32594), (280, 32606), (289, 32621), (315, 32645), (329, 32678), (360, 32759), (370, 32804), (384, 32852), (396, 32888), (399, 32897), (402, 32903), (478, 33128),

Gene: Glass_33 Start: 32814, Stop: 33977, Start Num: 53

Candidate Starts for Glass_33:

(Start: 51 @32808 has 11 MA's), (Start: 53 @32814 has 276 MA's), (67, 32853), (76, 32883), (Start: 91 @32928 has 1 MA's), (Start: 107 @32973 has 59 MA's), (155, 33072), (180, 33132), (192, 33168), (205, 33192), (227, 33237), (229, 33243), (249, 33294), (271, 33333), (274, 33336), (280, 33348), (289, 33363), (315, 33387), (329, 33420), (360, 33501), (370, 33546), (384, 33594), (396, 33630), (399, 33639), (402, 33645), (478, 33870),

Gene: GlenHope_34 Start: 32212, Stop: 33414, Start Num: 56

Candidate Starts for GlenHope_34:

(Start: 56 @32212 has 99 MA's), (119, 32389), (126, 32398), (130, 32407), (147, 32446), (150, 32455), (158, 32473), (165, 32491), (173, 32509), (176, 32515), (181, 32527), (187, 32545), (192, 32560), (210, 32593), (222, 32620), (241, 32665), (284, 32746), (298, 32773), (316, 32791), (324, 32809), (339, 32851), (366, 32980), (394, 33070), (418, 33172), (446, 33238), (464, 33277), (480, 33349), (493, 33391),

Gene: GodPhather_26 Start: 30204, Stop: 31373, Start Num: 51

Candidate Starts for GodPhather_26:

(Start: 51 @30204 has 11 MA's), (Start: 53 @30210 has 276 MA's), (67, 30249), (76, 30279), (Start: 91 @30324 has 1 MA's), (Start: 107 @30369 has 59 MA's), (155, 30468), (180, 30528), (192, 30564), (205, 30588), (227, 30633), (229, 30639), (249, 30690), (271, 30729), (274, 30732), (280, 30744), (289, 30759), (315, 30783), (329, 30816), (360, 30897), (370, 30942), (384, 30990), (396, 31026), (399, 31035), (402, 31041), (478, 31266),

Gene: Godines_33 Start: 32691, Stop: 33896, Start Num: 53

Candidate Starts for Godines_33:

(29, 32547), (Start: 51 @32688 has 11 MA's), (Start: 53 @32691 has 276 MA's), (74, 32760), (100, 32829), (114, 32859), (119, 32871), (124, 32877), (126, 32880), (130, 32889), (147, 32928), (150, 32937), (Start: 156 @32949 has 3 MA's), (180, 33006), (187, 33027), (192, 33042), (217, 33087), (222, 33102), (241, 33147), (277, 33216), (292, 33243), (312, 33267), (332, 33312), (339, 33333), (342, 33357), (362, 33432), (366, 33462), (384, 33522), (389, 33534), (394, 33552), (418, 33654), (468, 33765), (472, 33783), (483, 33834), (492, 33870),

Gene: Gophee_33 Start: 32358, Stop: 33518, Start Num: 53

Candidate Starts for Gophee_33:

(Start: 53 @32358 has 276 MA's), (Start: 91 @32469 has 1 MA's), (Start: 107 @32514 has 59 MA's), (155, 32613), (180, 32673), (192, 32709), (205, 32733), (227, 32778), (229, 32784), (249, 32835), (271, 32874), (274, 32877), (280, 32889), (315, 32928), (329, 32961), (360, 33042), (370, 33087), (384, 33135), (396, 33171), (399, 33180), (402, 33186), (478, 33411),

Gene: Grand2040_32 Start: 32090, Stop: 33250, Start Num: 53

Candidate Starts for Grand2040_32:

(Start: 53 @32090 has 276 MA's), (Start: 91 @32201 has 1 MA's), (Start: 107 @32246 has 59 MA's), (155, 32345), (180, 32405), (192, 32441), (205, 32465), (227, 32510), (229, 32516), (249, 32567), (271, 32606), (274, 32609), (280, 32621), (289, 32636), (315, 32660), (329, 32693), (360, 32774), (370, 32819), (384, 32867), (396, 32903), (399, 32912), (402, 32918), (478, 33143),

Gene: Gretellyn_33 Start: 29878, Stop: 30933, Start Num: 101

Candidate Starts for Gretellyn_33:

(Start: 101 @29878 has 21 MA's), (148, 29992), (164, 30034), (187, 30088), (192, 30103), (223, 30166), (246, 30226), (308, 30328), (336, 30391), (385, 30562), (469, 30796),

Gene: Guanica15_28 Start: 22542, Stop: 23603, Start Num: 106

Candidate Starts for Guanica15_28:

(Start: 106 @22542 has 87 MA's), (Start: 156 @22656 has 3 MA's), (197, 22770), (207, 22791), (244, 22878), (253, 22899), (257, 22905), (345, 23013), (360, 23073), (386, 23193), (387, 23199), (388, 23205), (405, 23295), (452, 23421), (460, 23436),

Gene: Guillaume_30 Start: 38118, Stop: 39020, Start Num: 163

Candidate Starts for Guillaume_30:

(Start: 163 @38118 has 33 MA's), (222, 38256), (231, 38274), (255, 38325), (281, 38373), (310, 38436), (330, 38472), (382, 38640), (468, 38874), (473, 38892), (493, 38997),

Gene: Gwilliam_33 Start: 32370, Stop: 33530, Start Num: 53

Candidate Starts for Gwilliam_33:

(Start: 53 @32370 has 276 MA's), (Start: 91 @32481 has 1 MA's), (Start: 107 @32526 has 59 MA's), (155, 32625), (180, 32685), (192, 32721), (205, 32745), (227, 32790), (229, 32796), (249, 32847), (271, 32886), (274, 32889), (280, 32901), (289, 32916), (315, 32940), (329, 32973), (360, 33054), (370, 33099), (384, 33147), (396, 33183), (399, 33192), (402, 33198), (478, 33423),

Gene: Gyarad_0033 Start: 32372, Stop: 33532, Start Num: 53

Candidate Starts for Gyarad_0033:

(Start: 53 @32372 has 276 MA's), (Start: 91 @32483 has 1 MA's), (Start: 107 @32528 has 59 MA's), (155, 32627), (180, 32687), (192, 32723), (205, 32747), (227, 32792), (229, 32798), (249, 32849), (271, 32888), (274, 32891), (280, 32903), (289, 32918), (315, 32942), (329, 32975), (360, 33056), (370, 33101), (384, 33149), (396, 33185), (399, 33194), (402, 33200), (478, 33425),

Gene: HSavage_33 Start: 32376, Stop: 33536, Start Num: 53

Candidate Starts for HSavage_33:

(Start: 53 @32376 has 276 MA's), (Start: 91 @32487 has 1 MA's), (Start: 107 @32532 has 59 MA's), (155, 32631), (180, 32691), (192, 32727), (205, 32751), (227, 32796), (229, 32802), (249, 32853), (271, 32892), (274, 32895), (280, 32907), (289, 32922), (315, 32946), (329, 32979), (360, 33060), (370, 33105), (384, 33153), (396, 33189), (399, 33198), (402, 33204), (478, 33429),

Gene: Hail2Pitt_30 Start: 38595, Stop: 39497, Start Num: 163

Candidate Starts for Hail2Pitt_30:

(Start: 163 @38595 has 33 MA's), (222, 38733), (255, 38802), (281, 38850), (310, 38913), (330, 38949), (334, 38958), (382, 39117), (468, 39351), (473, 39369), (493, 39474),

Gene: Haimas_33 Start: 32367, Stop: 33527, Start Num: 53

Candidate Starts for Haimas_33:

(Start: 53 @32367 has 276 MA's), (Start: 91 @32478 has 1 MA's), (Start: 107 @32523 has 59 MA's), (155, 32622), (180, 32682), (192, 32718), (205, 32742), (227, 32787), (229, 32793), (249, 32844), (271, 32883), (274, 32886), (280, 32898), (289, 32913), (315, 32937), (329, 32970), (360, 33051), (370, 33096), (384, 33144), (396, 33180), (399, 33189), (402, 33195), (478, 33420),

Gene: Haleema_32 Start: 32090, Stop: 33250, Start Num: 53

Candidate Starts for Haleema_32:

(Start: 53 @32090 has 276 MA's), (Start: 91 @32201 has 1 MA's), (Start: 107 @32246 has 59 MA's), (155, 32345), (180, 32405), (192, 32441), (205, 32465), (227, 32510), (229, 32516), (249, 32567), (271, 32606), (274, 32609), (280, 32621), (289, 32636), (315, 32660), (329, 32693), (360, 32774), (370, 32819), (384, 32867), (396, 32903), (399, 32912), (402, 32918), (478, 33143),

Gene: Halena_21 Start: 21699, Stop: 22871, Start Num: 56

Candidate Starts for Halena_21:

(Start: 54 @21696 has 5 MA's), (Start: 56 @21699 has 99 MA's), (98, 21825), (117, 21867), (123, 21879), (Start: 125 @21882 has 1 MA's), (141, 21915), (145, 21927), (165, 21975), (173, 21993), (187, 22029), (192, 22044), (219, 22095), (233, 22125), (248, 22167), (260, 22191), (282, 22227), (286, 22233), (307, 22260), (320, 22278), (349, 22371), (350, 22374), (367, 22458), (406, 22596), (410, 22614), (439, 22698),

Gene: Halfpint_32 Start: 32038, Stop: 33240, Start Num: 56

Candidate Starts for Halfpint_32:

(Start: 56 @32038 has 99 MA's), (119, 32215), (126, 32224), (130, 32233), (147, 32272), (150, 32281), (158, 32299), (165, 32317), (173, 32335), (176, 32341), (181, 32353), (187, 32371), (192, 32386), (222, 32446), (241, 32491), (284, 32572), (298, 32599), (316, 32617), (324, 32635), (339, 32677), (366, 32806), (394, 32896), (418, 32998), (443, 33055), (446, 33064), (464, 33103), (480, 33175), (493, 33217),

Gene: Hamish_33 Start: 32359, Stop: 33519, Start Num: 53

Candidate Starts for Hamish_33:

(Start: 53 @32359 has 276 MA's), (Start: 91 @32470 has 1 MA's), (Start: 107 @32515 has 59 MA's), (155, 32614), (180, 32674), (192, 32710), (205, 32734), (227, 32779), (229, 32785), (249, 32836), (271, 32875), (274, 32878), (280, 32890), (289, 32905), (315, 32929), (329, 32962), (360, 33043),

(370, 33088), (384, 33136), (396, 33172), (399, 33181), (402, 33187), (478, 33412),

Gene: Hammy_27 Start: 23691, Stop: 24695, Start Num: 106

Candidate Starts for Hammy_27:

(Start: 106 @23691 has 87 MA's), (225, 23976), (248, 24033), (348, 24165), (355, 24192), (383, 24306), (424, 24459), (464, 24552), (466, 24555), (479, 24618), (484, 24630),

Gene: Hangman_30 Start: 32602, Stop: 33759, Start Num: 56

Candidate Starts for Hangman_30:

(Start: 56 @32602 has 99 MA's), (85, 32695), (Start: 91 @32710 has 1 MA's), (97, 32725), (100, 32737), (Start: 107 @32755 has 59 MA's), (132, 32797), (171, 32896), (176, 32905), (183, 32923), (206, 32965), (210, 32971), (214, 32977), (217, 32983), (231, 33010), (235, 33019), (247, 33052), (279, 33085), (321, 33145), (338, 33175), (339, 33181), (341, 33202), (349, 33226), (361, 33280), (362, 33283), (402, 33427),

Gene: Harambe_30 Start: 38385, Stop: 39287, Start Num: 163

Candidate Starts for Harambe_30:

(Start: 163 @38385 has 33 MA's), (222, 38523), (255, 38592), (281, 38640), (310, 38703), (330, 38739), (382, 38907), (468, 39141), (473, 39159), (493, 39264),

Gene: Hartsy_32 Start: 32410, Stop: 33570, Start Num: 53

Candidate Starts for Hartsy_32:

(Start: 53 @32410 has 276 MA's), (Start: 91 @32521 has 1 MA's), (Start: 107 @32566 has 59 MA's), (155, 32665), (180, 32725), (192, 32761), (205, 32785), (227, 32830), (229, 32836), (249, 32887), (271, 32926), (274, 32929), (280, 32941), (315, 32980), (329, 33013), (360, 33094), (384, 33187), (396, 33223), (399, 33232), (402, 33238), (478, 33463),

Gene: Harvey_33 Start: 32385, Stop: 33545, Start Num: 53

Candidate Starts for Harvey_33:

(Start: 53 @32385 has 276 MA's), (Start: 91 @32496 has 1 MA's), (Start: 107 @32541 has 59 MA's), (155, 32640), (180, 32700), (192, 32736), (205, 32760), (227, 32805), (229, 32811), (249, 32862), (271, 32901), (274, 32904), (280, 32916), (315, 32955), (329, 32988), (360, 33069), (370, 33114), (384, 33162), (396, 33198), (399, 33207), (402, 33213), (478, 33438),

Gene: HarveySr_33 Start: 32202, Stop: 33404, Start Num: 56

Candidate Starts for HarveySr_33:

(Start: 56 @32202 has 99 MA's), (66, 32235), (119, 32379), (126, 32388), (130, 32397), (147, 32436), (150, 32445), (158, 32463), (165, 32481), (173, 32499), (176, 32505), (181, 32517), (187, 32535), (192, 32550), (210, 32583), (222, 32610), (241, 32655), (284, 32736), (298, 32763), (316, 32781), (324, 32799), (339, 32841), (366, 32970), (394, 33060), (418, 33162), (443, 33219), (446, 33228), (464, 33267), (480, 33339), (493, 33381),

Gene: Hashim76_35 Start: 31239, Stop: 32393, Start Num: 52

Candidate Starts for Hashim76_35:

(Start: 52 @31239 has 8 MA's), (Start: 91 @31356 has 1 MA's), (116, 31416), (127, 31437), (132, 31446), (147, 31485), (150, 31494), (171, 31545), (194, 31605), (210, 31632), (231, 31674), (241, 31704), (263, 31752), (333, 31854), (340, 31866), (361, 31941), (385, 32037), (395, 32067), (402, 32085), (408, 32121), (451, 32223),

Gene: Heath_29 Start: 32206, Stop: 33363, Start Num: 56

Candidate Starts for Heath_29:

(Start: 56 @32206 has 99 MA's), (85, 32299), (Start: 91 @32314 has 1 MA's), (97, 32329), (100, 32341), (Start: 107 @32359 has 59 MA's), (132, 32401), (171, 32500), (176, 32509), (183, 32527),

(192, 32554), (206, 32569), (210, 32575), (214, 32581), (217, 32587), (231, 32614), (235, 32623), (247, 32656), (279, 32689), (289, 32707), (321, 32749), (338, 32779), (339, 32785), (341, 32806), (361, 32884), (362, 32887), (376, 32932), (402, 33031), (449, 33184),

Gene: Heathcliff_33 Start: 32184, Stop: 33386, Start Num: 56

Candidate Starts for Heathcliff_33:

(Start: 56 @32184 has 99 MA's), (66, 32217), (119, 32361), (126, 32370), (130, 32379), (147, 32418), (150, 32427), (158, 32445), (165, 32463), (173, 32481), (176, 32487), (181, 32499), (187, 32517), (192, 32532), (210, 32565), (222, 32592), (241, 32637), (284, 32718), (298, 32745), (316, 32763), (324, 32781), (339, 32823), (342, 32847), (362, 32922), (366, 32952), (384, 33012), (389, 33024), (394, 33042), (418, 33144), (464, 33249), (468, 33255), (472, 33273), (492, 33360),

Gene: Hedgerow_33 Start: 32796, Stop: 33959, Start Num: 53

Candidate Starts for Hedgerow_33:

(28, 32649), (Start: 51 @32790 has 11 MA's), (Start: 53 @32796 has 276 MA's), (67, 32835), (76, 32865), (Start: 91 @32910 has 1 MA's), (Start: 107 @32955 has 59 MA's), (155, 33054), (180, 33114), (192, 33150), (205, 33174), (227, 33219), (229, 33225), (249, 33276), (271, 33315), (274, 33318), (280, 33330), (289, 33345), (315, 33369), (329, 33402), (360, 33483), (384, 33576), (396, 33612), (399, 33621), (402, 33627), (413, 33687), (478, 33852),

Gene: HedwigODU_28 Start: 23325, Stop: 24338, Start Num: 106

Candidate Starts for HedwigODU_28:

(12, 22881), (32, 23028), (Start: 90 @23280 has 1 MA's), (Start: 106 @23325 has 87 MA's), (Start: 156 @23436 has 3 MA's), (197, 23550), (248, 23667), (273, 23709), (280, 23721), (329, 23775), (360, 23853), (384, 23949), (390, 23961), (398, 23991), (402, 24000), (434, 24114), (464, 24183),

Gene: Held_33 Start: 32074, Stop: 33234, Start Num: 53

Candidate Starts for Held_33:

(Start: 53 @32074 has 276 MA's), (Start: 91 @32185 has 1 MA's), (Start: 107 @32230 has 59 MA's), (155, 32329), (180, 32389), (192, 32425), (205, 32449), (227, 32494), (229, 32500), (249, 32551), (271, 32590), (274, 32593), (280, 32605), (289, 32620), (315, 32644), (329, 32677), (360, 32758), (370, 32803), (384, 32851), (396, 32887), (399, 32896), (402, 32902), (478, 33127),

Gene: Hello_30 Start: 38347, Stop: 39249, Start Num: 163

Candidate Starts for Hello_30:

(Start: 163 @38347 has 33 MA's), (222, 38485), (255, 38554), (281, 38602), (310, 38665), (330, 38701), (382, 38869), (473, 39121), (493, 39226),

Gene: HenryJackson_32 Start: 32090, Stop: 33250, Start Num: 53

Candidate Starts for HenryJackson_32:

(Start: 53 @32090 has 276 MA's), (Start: 91 @32201 has 1 MA's), (Start: 107 @32246 has 59 MA's), (155, 32345), (180, 32405), (192, 32441), (205, 32465), (227, 32510), (229, 32516), (249, 32567), (271, 32606), (274, 32609), (280, 32621), (289, 32636), (315, 32660), (329, 32693), (360, 32774), (370, 32819), (384, 32867), (396, 32903), (399, 32912), (402, 32918), (478, 33143),

Gene: Hertubise_33 Start: 32381, Stop: 33541, Start Num: 53

Candidate Starts for Hertubise_33:

(Start: 53 @32381 has 276 MA's), (Start: 91 @32492 has 1 MA's), (Start: 107 @32537 has 59 MA's), (155, 32636), (180, 32696), (192, 32732), (205, 32756), (227, 32801), (229, 32807), (249, 32858), (271, 32897), (274, 32900), (280, 32912), (289, 32927), (315, 32951), (329, 32984), (360, 33065), (370, 33110), (384, 33158), (396, 33194), (399, 33203), (402, 33209), (478, 33434),

Gene: Hetaeria_33 Start: 32383, Stop: 33543, Start Num: 53

Candidate Starts for Hetaeria_33:

(Start: 53 @32383 has 276 MA's), (Start: 91 @32494 has 1 MA's), (Start: 107 @32539 has 59 MA's), (155, 32638), (180, 32698), (192, 32734), (205, 32758), (227, 32803), (229, 32809), (249, 32860), (271, 32899), (274, 32902), (280, 32914), (315, 32953), (329, 32986), (360, 33067), (370, 33112), (384, 33160), (396, 33196), (399, 33205), (402, 33211), (478, 33436),

Gene: HighStump_32 Start: 32073, Stop: 33233, Start Num: 53

Candidate Starts for HighStump_32:

(Start: 53 @32073 has 276 MA's), (Start: 91 @32184 has 1 MA's), (Start: 107 @32229 has 59 MA's), (155, 32328), (180, 32388), (192, 32424), (205, 32448), (227, 32493), (229, 32499), (249, 32550), (271, 32589), (274, 32592), (280, 32604), (289, 32619), (315, 32643), (329, 32676), (360, 32757), (370, 32802), (384, 32850), (396, 32886), (399, 32895), (402, 32901), (478, 33126),

Gene: Hocus_32 Start: 32082, Stop: 33242, Start Num: 53

Candidate Starts for Hocus_32:

(Start: 53 @32082 has 276 MA's), (Start: 91 @32193 has 1 MA's), (Start: 107 @32238 has 59 MA's), (155, 32337), (180, 32397), (192, 32433), (205, 32457), (227, 32502), (229, 32508), (249, 32559), (271, 32598), (274, 32601), (280, 32613), (315, 32652), (329, 32685), (360, 32766), (370, 32811), (384, 32859), (396, 32895), (399, 32904), (402, 32910), (478, 33135),

Gene: Holeinone_33 Start: 32676, Stop: 33839, Start Num: 53

Candidate Starts for Holeinone_33:

(28, 32529), (Start: 51 @32670 has 11 MA's), (Start: 53 @32676 has 276 MA's), (67, 32715), (76, 32745), (Start: 91 @32790 has 1 MA's), (Start: 107 @32835 has 59 MA's), (155, 32934), (180, 32994), (192, 33030), (205, 33054), (227, 33099), (229, 33105), (249, 33156), (271, 33195), (274, 33198), (280, 33210), (289, 33225), (315, 33249), (329, 33282), (360, 33363), (384, 33456), (396, 33492), (399, 33501), (402, 33507), (478, 33732),

Gene: Homura_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Homura_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (Start: 156 @23467 has 3 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (390, 23992), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Horchata_33 Start: 32361, Stop: 33521, Start Num: 53

Candidate Starts for Horchata_33:

(Start: 53 @32361 has 276 MA's), (Start: 91 @32472 has 1 MA's), (Start: 107 @32517 has 59 MA's), (155, 32616), (180, 32676), (192, 32712), (205, 32736), (227, 32781), (229, 32787), (249, 32838), (271, 32877), (274, 32880), (280, 32892), (289, 32907), (315, 32931), (329, 32964), (360, 33045), (370, 33090), (384, 33138), (396, 33174), (399, 33183), (402, 33189), (478, 33414),

Gene: Hosp_025 Start: 28263, Stop: 29486, Start Num: 56

Candidate Starts for Hosp_025:

(Start: 56 @28263 has 99 MA's), (67, 28302), (83, 28353), (Start: 91 @28374 has 1 MA's), (97, 28389), (Start: 107 @28419 has 59 MA's), (140, 28479), (147, 28500), (148, 28503), (171, 28560), (192, 28614), (193, 28617), (195, 28623), (247, 28737), (286, 28806), (327, 28911), (360, 29043), (362, 29049), (397, 29172), (413, 29232), (436, 29286), (440, 29292), (464, 29340),

Gene: Hurricane_28 Start: 23950, Stop: 24975, Start Num: 107

Candidate Starts for Hurricane_28:

(9, 23398), (10, 23464), (11, 23527), (15, 23560), (22, 23602), (43, 23761), (69, 23860), (84, 23917), (Start: 107 @23950 has 59 MA's), (162, 24073), (165, 24082), (177, 24109), (194, 24157), (197, 24169), (207, 24190), (231, 24241), (242, 24271), (350, 24424), (355, 24445), (372, 24517), (381,

24553), (385, 24568), (399, 24610), (402, 24616), (422, 24706), (462, 24805), (463, 24808), (482, 24907), (494, 24958),

Gene: Hydro_30 Start: 32619, Stop: 33776, Start Num: 56

Candidate Starts for Hydro_30:

(Start: 56 @32619 has 99 MA's), (85, 32712), (Start: 91 @32727 has 1 MA's), (97, 32742), (100, 32754), (Start: 107 @32772 has 59 MA's), (132, 32814), (171, 32913), (176, 32922), (183, 32940), (192, 32967), (206, 32982), (210, 32988), (214, 32994), (217, 33000), (231, 33027), (235, 33036), (247, 33069), (279, 33102), (321, 33162), (338, 33192), (339, 33198), (349, 33243), (361, 33297), (362, 33300), (402, 33444), (449, 33597),

Gene: Hyperbowlee_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Hyperbowlee_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (Start: 156 @23467 has 3 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (390, 23992), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Illumine_28 Start: 23339, Stop: 24352, Start Num: 106

Candidate Starts for Illumine_28:

(Start: 106 @23339 has 87 MA's), (Start: 156 @23450 has 3 MA's), (159, 23459), (197, 23564), (239, 23660), (248, 23681), (273, 23723), (280, 23735), (329, 23789), (360, 23867), (384, 23963), (390, 23975), (402, 24014), (434, 24128), (464, 24197), (487, 24293),

Gene: ImtiyazSitla_32 Start: 31924, Stop: 33084, Start Num: 53

Candidate Starts for ImtiyazSitla_32:

(Start: 53 @31924 has 276 MA's), (Start: 91 @32035 has 1 MA's), (Start: 107 @32080 has 59 MA's), (155, 32179), (180, 32239), (192, 32275), (205, 32299), (227, 32344), (229, 32350), (249, 32401), (271, 32440), (274, 32443), (280, 32455), (289, 32470), (315, 32494), (329, 32527), (360, 32608), (370, 32653), (384, 32701), (396, 32737), (399, 32746), (402, 32752), (478, 32977),

Gene: Imvubu_25 Start: 28919, Stop: 30094, Start Num: 52

Candidate Starts for Imvubu_25:

(Start: 52 @28919 has 8 MA's), (81, 29009), (Start: 91 @29036 has 1 MA's), (Start: 101 @29057 has 21 MA's), (127, 29117), (132, 29126), (147, 29165), (150, 29174), (158, 29192), (171, 29225), (194, 29285), (231, 29354), (237, 29372), (247, 29399), (253, 29414), (261, 29426), (333, 29534), (426, 29858), (460, 29933), (467, 29954), (474, 29984), (493, 30071),

Gene: Inchworm_33 Start: 32359, Stop: 33519, Start Num: 53

Candidate Starts for Inchworm_33:

(Start: 53 @32359 has 276 MA's), (Start: 91 @32470 has 1 MA's), (Start: 107 @32515 has 59 MA's), (155, 32614), (180, 32674), (192, 32710), (205, 32734), (227, 32779), (229, 32785), (249, 32836), (271, 32875), (274, 32878), (280, 32890), (289, 32905), (315, 32929), (329, 32962), (360, 33043), (370, 33088), (384, 33136), (396, 33172), (399, 33181), (402, 33187), (478, 33412),

Gene: Indlovu_29 Start: 31250, Stop: 32386, Start Num: 52

Candidate Starts for Indlovu_29:

(46, 31217), (Start: 52 @31250 has 8 MA's), (Start: 91 @31367 has 1 MA's), (127, 31448), (135, 31463), (147, 31496), (150, 31505), (176, 31565), (187, 31595), (195, 31619), (249, 31736), (343, 31877), (376, 31985), (389, 32042),

Gene: Inky_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Inky_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Inverness_33 Start: 32373, Stop: 33533, Start Num: 53

Candidate Starts for Inverness_33:

(Start: 53 @32373 has 276 MA's), (Start: 91 @32484 has 1 MA's), (Start: 107 @32529 has 59 MA's), (155, 32628), (180, 32688), (192, 32724), (205, 32748), (227, 32793), (229, 32799), (249, 32850), (271, 32889), (274, 32892), (280, 32904), (289, 32919), (315, 32943), (329, 32976), (360, 33057), (370, 33102), (384, 33150), (396, 33186), (399, 33195), (402, 33201), (478, 33426),

Gene: Iridoclysis_33 Start: 32353, Stop: 33513, Start Num: 53

Candidate Starts for Iridoclysis_33:

(Start: 53 @32353 has 276 MA's), (Start: 91 @32464 has 1 MA's), (Start: 107 @32509 has 59 MA's), (155, 32608), (180, 32668), (192, 32704), (205, 32728), (227, 32773), (229, 32779), (249, 32830), (271, 32869), (274, 32872), (280, 32884), (315, 32923), (329, 32956), (360, 33037), (370, 33082), (384, 33130), (396, 33166), (399, 33175), (402, 33181), (478, 33406),

Gene: IsaacEli_33 Start: 32377, Stop: 33537, Start Num: 53

Candidate Starts for IsaacEli_33:

(Start: 53 @32377 has 276 MA's), (Start: 91 @32488 has 1 MA's), (Start: 107 @32533 has 59 MA's), (155, 32632), (180, 32692), (192, 32728), (205, 32752), (227, 32797), (229, 32803), (249, 32854), (271, 32893), (274, 32896), (280, 32908), (289, 32923), (315, 32947), (329, 32980), (360, 33061), (370, 33106), (384, 33154), (396, 33190), (399, 33199), (402, 33205), (478, 33430),

Gene: ItsyBitsy1_33 Start: 32678, Stop: 33841, Start Num: 53

Candidate Starts for ItsyBitsy1_33:

(28, 32531), (Start: 51 @32672 has 11 MA's), (Start: 53 @32678 has 276 MA's), (67, 32717), (76, 32747), (Start: 91 @32792 has 1 MA's), (Start: 107 @32837 has 59 MA's), (155, 32936), (180, 32996), (192, 33032), (205, 33056), (227, 33101), (229, 33107), (249, 33158), (271, 33197), (274, 33200), (280, 33212), (289, 33227), (315, 33251), (329, 33284), (360, 33365), (384, 33458), (396, 33494), (399, 33503), (402, 33509), (478, 33734),

Gene: JAMaL_30 Start: 32789, Stop: 33946, Start Num: 56

Candidate Starts for JAMaL_30:

(Start: 56 @32789 has 99 MA's), (85, 32882), (Start: 91 @32897 has 1 MA's), (97, 32912), (100, 32924), (Start: 107 @32942 has 59 MA's), (150, 33032), (171, 33083), (176, 33092), (179, 33098), (183, 33110), (192, 33137), (206, 33152), (210, 33158), (214, 33164), (231, 33197), (235, 33206), (247, 33239), (279, 33272), (338, 33362), (339, 33368), (361, 33467), (362, 33470), (402, 33614), (449, 33767),

Gene: JAWS_28 Start: 23310, Stop: 24323, Start Num: 106

Candidate Starts for JAWS_28:

(12, 22866), (Start: 90 @23265 has 1 MA's), (Start: 106 @23310 has 87 MA's), (Start: 156 @23421 has 3 MA's), (197, 23535), (248, 23652), (273, 23694), (280, 23706), (329, 23760), (360, 23838), (384, 23934), (398, 23976), (402, 23985), (434, 24099), (464, 24168),

Gene: JDog_33 Start: 32090, Stop: 33250, Start Num: 53

Candidate Starts for JDog_33:

(Start: 53 @32090 has 276 MA's), (Start: 91 @32201 has 1 MA's), (Start: 107 @32246 has 59 MA's), (155, 32345), (180, 32405), (192, 32441), (205, 32465), (227, 32510), (229, 32516), (249, 32567), (271, 32606), (274, 32609), (280, 32621), (289, 32636), (315, 32660), (329, 32693), (360, 32774), (370, 32819), (384, 32867), (396, 32903), (399, 32912), (402, 32918), (478, 33143),

Gene: JF1_29 Start: 24585, Stop: 25589, Start Num: 107

Candidate Starts for JF1_29:

(Start: 107 @24585 has 59 MA's), (140, 24654), (181, 24753), (196, 24798), (197, 24804), (222, 24858), (227, 24867), (239, 24903), (261, 24948), (276, 24969), (279, 24975), (280, 24978), (360, 25110), (361, 25113), (394, 25236), (402, 25257), (484, 25524),

Gene: JacAttac_33 Start: 32359, Stop: 33519, Start Num: 53

Candidate Starts for JacAttac_33:

(Start: 53 @32359 has 276 MA's), (Start: 91 @32470 has 1 MA's), (Start: 107 @32515 has 59 MA's), (155, 32614), (180, 32674), (192, 32710), (205, 32734), (227, 32779), (229, 32785), (249, 32836), (271, 32875), (274, 32878), (280, 32890), (289, 32905), (315, 32929), (329, 32962), (360, 33043), (370, 33088), (384, 33136), (396, 33172), (399, 33181), (402, 33187), (478, 33412),

Gene: Jackstina_30 Start: 32142, Stop: 33344, Start Num: 56

Candidate Starts for Jackstina_30:

(Start: 56 @32142 has 99 MA's), (66, 32175), (119, 32319), (126, 32328), (130, 32337), (147, 32376), (150, 32385), (158, 32403), (165, 32421), (173, 32439), (176, 32445), (181, 32457), (187, 32475), (192, 32490), (210, 32523), (222, 32550), (241, 32595), (284, 32676), (298, 32703), (316, 32721), (324, 32739), (339, 32781), (366, 32910), (394, 33000), (418, 33102), (443, 33159), (446, 33168), (464, 33207), (480, 33279), (493, 33321),

Gene: JaguarMi_30 Start: 32084, Stop: 33241, Start Num: 56

Candidate Starts for JaguarMi_30:

(Start: 56 @32084 has 99 MA's), (85, 32177), (Start: 91 @32192 has 1 MA's), (97, 32207), (100, 32219), (Start: 107 @32237 has 59 MA's), (119, 32261), (132, 32279), (139, 32294), (171, 32378), (176, 32387), (183, 32405), (206, 32447), (210, 32453), (214, 32459), (217, 32465), (231, 32492), (235, 32501), (247, 32534), (279, 32567), (321, 32627), (338, 32657), (339, 32663), (361, 32762), (362, 32765), (391, 32876), (402, 32909), (449, 33062), (461, 33086), (464, 33098),

Gene: JakeO_32 Start: 32092, Stop: 33252, Start Num: 53

Candidate Starts for JakeO_32:

(Start: 53 @32092 has 276 MA's), (Start: 91 @32203 has 1 MA's), (Start: 107 @32248 has 59 MA's), (155, 32347), (180, 32407), (192, 32443), (205, 32467), (227, 32512), (229, 32518), (249, 32569), (271, 32608), (274, 32611), (280, 32623), (289, 32638), (315, 32662), (329, 32695), (360, 32776), (384, 32869), (396, 32905), (399, 32914), (402, 32920), (478, 33145),

Gene: Jalebi_32 Start: 30054, Stop: 31103, Start Num: 101

Candidate Starts for Jalebi_32:

(Start: 101 @30054 has 21 MA's), (148, 30168), (157, 30189), (187, 30264), (192, 30279), (223, 30342), (246, 30402), (308, 30504), (336, 30567), (385, 30738), (469, 30966),

Gene: Jamie19_21 Start: 19877, Stop: 21031, Start Num: 82

Candidate Starts for Jamie19_21:

(31, 19640), (37, 19682), (40, 19712), (45, 19742), (61, 19802), (75, 19856), (Start: 82 @19877 has 14 MA's), (111, 19958), (131, 20006), (154, 20066), (157, 20075), (Start: 163 @20090 has 33 MA's), (173, 20114), (182, 20138), (186, 20150), (216, 20225), (219, 20234), (229, 20258), (239, 20288), (281, 20372), (283, 20375), (294, 20396), (360, 20555), (382, 20645), (384, 20654), (394, 20684), (402, 20705), (493, 21008),

Gene: Jams_30 Start: 37556, Stop: 38458, Start Num: 163

Candidate Starts for Jams_30:

(Start: 163 @37556 has 33 MA's), (222, 37694), (255, 37763), (281, 37811), (310, 37874), (330, 37910), (382, 38078), (473, 38330), (493, 38435),

Gene: JangoPhett_33 Start: 32361, Stop: 33521, Start Num: 53

Candidate Starts for JangoPhett_33:

(Start: 53 @32361 has 276 MA's), (Start: 91 @32472 has 1 MA's), (Start: 107 @32517 has 59 MA's), (155, 32616), (180, 32676), (192, 32712), (205, 32736), (227, 32781), (229, 32787), (249, 32838), (271, 32877), (274, 32880), (280, 32892), (315, 32931), (329, 32964), (360, 33045), (370, 33090), (384, 33138), (396, 33174), (399, 33183), (402, 33189), (478, 33414),

Gene: Jarvi_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Jarvi_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Jayhawk_29 Start: 23434, Stop: 24336, Start Num: 156

Candidate Starts for Jayhawk_29:

(12, 22879), (32, 23026), (Start: 90 @23278 has 1 MA's), (Start: 106 @23323 has 87 MA's), (Start: 156 @23434 has 3 MA's), (197, 23548), (248, 23665), (273, 23707), (280, 23719), (329, 23773), (360, 23851), (384, 23947), (390, 23959), (398, 23989), (402, 23998), (434, 24112), (464, 24181),

Gene: Jeckyll_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Jeckyll_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Jellybones_33 Start: 37898, Stop: 38800, Start Num: 163

Candidate Starts for Jellybones_33:

(Start: 163 @37898 has 33 MA's), (239, 38066), (255, 38102), (265, 38117), (275, 38132), (281, 38144), (330, 38243), (361, 38324), (379, 38378), (450, 38615), (488, 38741), (494, 38783),

Gene: Jeon_25 Start: 29946, Stop: 31115, Start Num: 51

Candidate Starts for Jeon_25:

(Start: 51 @29946 has 11 MA's), (Start: 53 @29952 has 276 MA's), (67, 29991), (76, 30021), (Start: 91 @30066 has 1 MA's), (Start: 107 @30111 has 59 MA's), (155, 30210), (180, 30270), (192, 30306), (205, 30330), (227, 30375), (229, 30381), (249, 30432), (271, 30471), (274, 30474), (280, 30486), (289, 30501), (315, 30525), (329, 30558), (360, 30639), (370, 30684), (384, 30732), (396, 30768), (399, 30777), (402, 30783), (478, 31008),

Gene: Jillium_32 Start: 32083, Stop: 33243, Start Num: 53

Candidate Starts for Jillium_32:

(Start: 53 @32083 has 276 MA's), (Start: 91 @32194 has 1 MA's), (Start: 107 @32239 has 59 MA's), (155, 32338), (180, 32398), (192, 32434), (205, 32458), (227, 32503), (229, 32509), (249, 32560), (271, 32599), (274, 32602), (280, 32614), (289, 32629), (315, 32653), (329, 32686), (360, 32767), (370, 32812), (384, 32860), (396, 32896), (399, 32905), (402, 32911), (478, 33136),

Gene: Jiminy_32 Start: 31927, Stop: 33087, Start Num: 53

Candidate Starts for Jiminy_32:

(Start: 53 @31927 has 276 MA's), (Start: 91 @32038 has 1 MA's), (Start: 107 @32083 has 59 MA's), (155, 32182), (180, 32242), (192, 32278), (205, 32302), (227, 32347), (229, 32353), (249, 32404), (271, 32443), (274, 32446), (280, 32458), (315, 32497), (329, 32530), (360, 32611), (384, 32704),

(396, 32740), (399, 32749), (402, 32755), (478, 32980),

Gene: Jobypre_22 Start: 22247, Stop: 23464, Start Num: 56

Candidate Starts for Jobypre_22:

(Start: 56 @22247 has 99 MA's), (89, 22349), (96, 22361), (100, 22379), (104, 22388), (123, 22427), (141, 22463), (147, 22478), (149, 22484), (162, 22514), (Start: 163 @22517 has 33 MA's), (179, 22553), (183, 22565), (206, 22616), (207, 22619), (235, 22679), (244, 22706), (251, 22721), (254, 22727), (261, 22739), (295, 22799), (313, 22823), (337, 22883), (361, 22979), (366, 23012), (389, 23084), (396, 23108), (473, 23336), (476, 23348),

Gene: JoeDirt_21 Start: 21667, Stop: 22842, Start Num: 54

Candidate Starts for JoeDirt_21:

(Start: 54 @21667 has 5 MA's), (Start: 56 @21670 has 99 MA's), (98, 21796), (117, 21838), (123, 21850), (Start: 125 @21853 has 1 MA's), (141, 21886), (145, 21898), (165, 21946), (173, 21964), (187, 22000), (192, 22015), (219, 22066), (233, 22096), (248, 22138), (260, 22162), (282, 22198), (286, 22204), (307, 22231), (320, 22249), (349, 22342), (350, 22345), (367, 22429), (406, 22567), (410, 22585), (439, 22669),

Gene: John316_33 Start: 37851, Stop: 38753, Start Num: 163

Candidate Starts for John316_33:

(Start: 163 @37851 has 33 MA's), (222, 37986), (239, 38019), (255, 38055), (265, 38070), (275, 38085), (281, 38097), (330, 38196), (361, 38277), (379, 38331), (450, 38568), (488, 38694), (494, 38736),

Gene: Jolie1_027 Start: 30065, Stop: 31273, Start Num: 56

Candidate Starts for Jolie1_027:

(Start: 56 @30065 has 99 MA's), (67, 30104), (77, 30146), (Start: 82 @30155 has 14 MA's), (83, 30158), (Start: 91 @30179 has 1 MA's), (Start: 107 @30224 has 59 MA's), (129, 30263), (140, 30284), (147, 30305), (148, 30308), (171, 30365), (192, 30419), (193, 30422), (195, 30428), (216, 30464), (242, 30530), (247, 30542), (248, 30545), (250, 30551), (276, 30593), (318, 30674), (327, 30698), (361, 30833), (369, 30869), (397, 30959), (413, 31019), (436, 31073), (464, 31127),

Gene: Jolie2_23 Start: 22241, Stop: 23368, Start Num: 56

Candidate Starts for Jolie2_23:

(24, 22061), (41, 22184), (Start: 56 @22241 has 99 MA's), (192, 22592), (216, 22634), (245, 22709), (286, 22781), (325, 22820), (360, 22919), (361, 22922), (362, 22925), (398, 23051), (447, 23189),

Gene: Jormungandr_30 Start: 38100, Stop: 39002, Start Num: 163

Candidate Starts for Jormungandr_30:

(Start: 163 @38100 has 33 MA's), (222, 38238), (255, 38307), (281, 38355), (310, 38418), (330, 38454), (382, 38622), (468, 38856), (473, 38874), (493, 38979),

Gene: Joy99_28 Start: 23285, Stop: 24298, Start Num: 106

Candidate Starts for Joy99_28:

(12, 22841), (Start: 90 @23240 has 1 MA's), (Start: 106 @23285 has 87 MA's), (197, 23510), (248, 23627), (273, 23669), (280, 23681), (329, 23735), (360, 23813), (384, 23909), (398, 23951), (402, 23960), (434, 24074), (464, 24143),

Gene: Jubie_22 Start: 22248, Stop: 23465, Start Num: 56

Candidate Starts for Jubie_22:

(Start: 56 @22248 has 99 MA's), (89, 22350), (96, 22362), (100, 22380), (104, 22389), (123, 22428), (141, 22464), (147, 22479), (149, 22485), (162, 22515), (Start: 163 @22518 has 33 MA's), (179, 22554), (183, 22566), (206, 22617), (207, 22620), (235, 22680), (244, 22707), (251, 22722), (254,

22728), (261, 22740), (295, 22800), (313, 22824), (337, 22884), (361, 22980), (366, 23013), (389, 23085), (396, 23109), (473, 23337), (476, 23349),

Gene: KLucky39_33 Start: 32371, Stop: 33531, Start Num: 53

Candidate Starts for KLucky39_33:

(Start: 53 @32371 has 276 MA's), (Start: 91 @32482 has 1 MA's), (Start: 107 @32527 has 59 MA's), (155, 32626), (180, 32686), (192, 32722), (205, 32746), (227, 32791), (229, 32797), (249, 32848), (271, 32887), (274, 32890), (280, 32902), (289, 32917), (315, 32941), (329, 32974), (360, 33055), (370, 33100), (384, 33148), (396, 33184), (399, 33193), (402, 33199), (478, 33424),

Gene: Kahve_32 Start: 32087, Stop: 33247, Start Num: 53

Candidate Starts for Kahve_32:

(Start: 53 @32087 has 276 MA's), (Start: 91 @32198 has 1 MA's), (Start: 107 @32243 has 59 MA's), (155, 32342), (180, 32402), (192, 32438), (205, 32462), (227, 32507), (229, 32513), (249, 32564), (271, 32603), (274, 32606), (280, 32618), (289, 32633), (315, 32657), (329, 32690), (360, 32771), (370, 32816), (384, 32864), (396, 32900), (399, 32909), (402, 32915), (478, 33140),

Gene: Kailash_33 Start: 32425, Stop: 33585, Start Num: 53

Candidate Starts for Kailash_33:

(Start: 53 @32425 has 276 MA's), (Start: 91 @32536 has 1 MA's), (Start: 107 @32581 has 59 MA's), (155, 32680), (180, 32740), (192, 32776), (205, 32800), (227, 32845), (229, 32851), (249, 32902), (271, 32941), (274, 32944), (280, 32956), (315, 32995), (329, 33028), (360, 33109), (384, 33202), (396, 33238), (399, 33247), (402, 33253), (478, 33478),

Gene: Kaleb_33 Start: 32811, Stop: 33974, Start Num: 53

Candidate Starts for Kaleb_33:

(28, 32664), (Start: 51 @32805 has 11 MA's), (Start: 53 @32811 has 276 MA's), (67, 32850), (76, 32880), (Start: 91 @32925 has 1 MA's), (Start: 107 @32970 has 59 MA's), (155, 33069), (180, 33129), (192, 33165), (205, 33189), (227, 33234), (229, 33240), (249, 33291), (271, 33330), (274, 33333), (280, 33345), (289, 33360), (315, 33384), (329, 33417), (360, 33498), (370, 33543), (384, 33591), (396, 33627), (399, 33636), (402, 33642), (478, 33867),

Gene: Kamiyu_33 Start: 32188, Stop: 33390, Start Num: 56

Candidate Starts for Kamiyu_33:

(Start: 56 @32188 has 99 MA's), (66, 32221), (119, 32365), (126, 32374), (130, 32383), (147, 32422), (150, 32431), (158, 32449), (165, 32467), (173, 32485), (176, 32491), (181, 32503), (187, 32521), (192, 32536), (210, 32569), (222, 32596), (241, 32641), (284, 32722), (298, 32749), (316, 32767), (324, 32785), (339, 32827), (366, 32956), (374, 32965), (394, 33046), (418, 33148), (443, 33205), (446, 33214), (464, 33253), (480, 33325), (493, 33367),

Gene: Kaseim_31 Start: 37541, Stop: 38443, Start Num: 163

Candidate Starts for Kaseim_31:

(Start: 163 @37541 has 33 MA's), (222, 37679), (255, 37748), (281, 37796), (310, 37859), (330, 37895), (382, 38063), (473, 38315), (493, 38420),

Gene: Katniss_33 Start: 32386, Stop: 33546, Start Num: 53

Candidate Starts for Katniss_33:

(Start: 53 @32386 has 276 MA's), (Start: 91 @32497 has 1 MA's), (Start: 107 @32542 has 59 MA's), (155, 32641), (180, 32701), (192, 32737), (205, 32761), (227, 32806), (229, 32812), (249, 32863), (271, 32902), (274, 32905), (280, 32917), (289, 32932), (315, 32956), (329, 32989), (360, 33070), (370, 33115), (384, 33163), (396, 33199), (399, 33208), (402, 33214), (478, 33439),

Gene: KayaCho_27 Start: 30061, Stop: 31269, Start Num: 56

Candidate Starts for KayaCho_27:

(5, 29536), (8, 29638), (Start: 56 @30061 has 99 MA's), (67, 30100), (83, 30154), (Start: 91 @30175 has 1 MA's), (97, 30190), (Start: 107 @30220 has 59 MA's), (115, 30235), (147, 30301), (148, 30304), (171, 30361), (173, 30364), (192, 30415), (193, 30418), (195, 30424), (201, 30430), (218, 30466), (247, 30538), (248, 30541), (276, 30589), (286, 30607), (327, 30694), (361, 30829), (396, 30952), (397, 30955), (413, 31015), (436, 31069), (440, 31075), (464, 31123),

Gene: Keitherie_33 Start: 32424, Stop: 33584, Start Num: 53

Candidate Starts for Keitherie_33:

(Start: 53 @32424 has 276 MA's), (Start: 91 @32535 has 1 MA's), (Start: 107 @32580 has 59 MA's), (155, 32679), (180, 32739), (192, 32775), (205, 32799), (227, 32844), (229, 32850), (249, 32901), (271, 32940), (274, 32943), (280, 32955), (315, 32994), (329, 33027), (360, 33108), (370, 33153), (384, 33201), (396, 33237), (399, 33246), (402, 33252), (478, 33477),

Gene: Keshu_28 Start: 23942, Stop: 24964, Start Num: 107

Candidate Starts for Keshu_28:

(43, 23753), (69, 23852), (84, 23909), (Start: 107 @23942 has 59 MA's), (172, 24092), (194, 24149), (231, 24233), (242, 24263), (355, 24434), (361, 24464), (399, 24599), (421, 24692), (422, 24695), (432, 24716), (462, 24794), (478, 24863), (480, 24893),

Gene: Keziacharles14_32 Start: 24883, Stop: 26085, Start Num: 56

Candidate Starts for Keziacharles14_32:

(Start: 56 @24883 has 99 MA's), (113, 25045), (Start: 125 @25066 has 1 MA's), (Start: 156 @25135 has 3 MA's), (165, 25159), (189, 25219), (195, 25237), (206, 25252), (214, 25267), (237, 25321), (309, 25453), (319, 25468), (333, 25504), (360, 25612), (361, 25615), (365, 25642), (366, 25648), (402, 25759),

Gene: Kheth_33 Start: 32696, Stop: 33862, Start Num: 53

Candidate Starts for Kheth_33:

(Start: 51 @32690 has 11 MA's), (Start: 53 @32696 has 276 MA's), (67, 32735), (76, 32765), (Start: 91 @32810 has 1 MA's), (Start: 107 @32855 has 59 MA's), (155, 32954), (180, 33014), (192, 33050), (205, 33074), (227, 33119), (229, 33125), (249, 33176), (271, 33215), (274, 33218), (280, 33230), (289, 33245), (315, 33269), (329, 33302), (360, 33383), (384, 33476), (396, 33512), (399, 33521), (402, 33527), (478, 33752),

Gene: KiSi_27 Start: 22512, Stop: 23480, Start Num: 107

Candidate Starts for KiSi_27:

(Start: 107 @22512 has 59 MA's), (177, 22674), (180, 22680), (187, 22701), (189, 22707), (204, 22749), (225, 22794), (242, 22836), (248, 22851), (330, 22959), (362, 23043), (456, 23319),

Gene: Kikipoo_33 Start: 32377, Stop: 33537, Start Num: 53

Candidate Starts for Kikipoo_33:

(Start: 53 @32377 has 276 MA's), (Start: 91 @32488 has 1 MA's), (Start: 107 @32533 has 59 MA's), (155, 32632), (180, 32692), (192, 32728), (205, 32752), (227, 32797), (229, 32803), (249, 32854), (271, 32893), (274, 32896), (280, 32908), (289, 32923), (315, 32947), (329, 32980), (360, 33061), (370, 33106), (384, 33154), (396, 33190), (399, 33199), (402, 33205), (478, 33430),

Gene: Kimbrough_33 Start: 32079, Stop: 33239, Start Num: 53

Candidate Starts for Kimbrough_33:

(Start: 53 @32079 has 276 MA's), (Start: 91 @32190 has 1 MA's), (Start: 107 @32235 has 59 MA's), (155, 32334), (180, 32394), (192, 32430), (205, 32454), (227, 32499), (229, 32505), (249, 32556), (271, 32595), (274, 32598), (280, 32610), (289, 32625), (315, 32649), (329, 32682), (360, 32763), (370, 32808), (384, 32856), (396, 32892), (399, 32901), (402, 32907), (478, 33132),

Gene: KingTut_24 Start: 27748, Stop: 28908, Start Num: 53

Candidate Starts for KingTut_24:

(Start: 53 @27748 has 276 MA's), (Start: 91 @27859 has 1 MA's), (Start: 107 @27904 has 59 MA's), (155, 28003), (180, 28063), (192, 28099), (205, 28123), (227, 28168), (229, 28174), (249, 28225), (271, 28264), (274, 28267), (280, 28279), (289, 28294), (315, 28318), (329, 28351), (360, 28432), (370, 28477), (384, 28525), (396, 28561), (399, 28570), (402, 28576), (478, 28801),

Gene: KingVeVeVe_33 Start: 32352, Stop: 33512, Start Num: 53

Candidate Starts for KingVeVeVe_33:

(Start: 53 @32352 has 276 MA's), (Start: 91 @32463 has 1 MA's), (Start: 107 @32508 has 59 MA's), (155, 32607), (180, 32667), (192, 32703), (205, 32727), (227, 32772), (229, 32778), (249, 32829), (271, 32868), (274, 32871), (280, 32883), (289, 32898), (315, 32922), (329, 32955), (360, 33036), (370, 33081), (384, 33129), (396, 33165), (399, 33174), (402, 33180), (478, 33405),

Gene: Kingsolomon_22 Start: 22247, Stop: 23464, Start Num: 56

Candidate Starts for Kingsolomon_22:

(Start: 56 @22247 has 99 MA's), (89, 22349), (96, 22361), (100, 22379), (104, 22388), (123, 22427), (141, 22463), (147, 22478), (149, 22484), (162, 22514), (Start: 163 @22517 has 33 MA's), (179, 22553), (183, 22565), (206, 22616), (207, 22619), (235, 22679), (244, 22706), (251, 22721), (254, 22727), (261, 22739), (295, 22799), (313, 22823), (337, 22883), (361, 22979), (366, 23012), (389, 23084), (396, 23108), (473, 23336), (476, 23348),

Gene: KlimbOn_33 Start: 32365, Stop: 33525, Start Num: 53

Candidate Starts for KlimbOn_33:

(Start: 53 @32365 has 276 MA's), (Start: 91 @32476 has 1 MA's), (Start: 107 @32521 has 59 MA's), (155, 32620), (180, 32680), (192, 32716), (205, 32740), (227, 32785), (229, 32791), (249, 32842), (271, 32881), (274, 32884), (280, 32896), (289, 32911), (315, 32935), (329, 32968), (360, 33049), (370, 33094), (384, 33142), (396, 33178), (399, 33187), (402, 33193), (478, 33418),

Gene: Kloppinator_33 Start: 32388, Stop: 33548, Start Num: 53

Candidate Starts for Kloppinator_33:

(Start: 53 @32388 has 276 MA's), (Start: 91 @32499 has 1 MA's), (Start: 107 @32544 has 59 MA's), (155, 32643), (180, 32703), (192, 32739), (205, 32763), (227, 32808), (229, 32814), (249, 32865), (271, 32904), (274, 32907), (280, 32919), (315, 32958), (329, 32991), (360, 33072), (370, 33117), (384, 33165), (396, 33201), (399, 33210), (402, 33216), (478, 33441),

Gene: Knocker_33 Start: 33872, Stop: 35014, Start Num: 52

Candidate Starts for Knocker_33:

(Start: 52 @33872 has 8 MA's), (Start: 91 @33989 has 1 MA's), (Start: 103 @34016 has 1 MA's), (Start: 106 @34025 has 87 MA's), (116, 34049), (127, 34070), (132, 34079), (141, 34103), (147, 34118), (148, 34121), (150, 34127), (171, 34178), (176, 34187), (182, 34205), (187, 34217), (188, 34220), (195, 34241), (222, 34292), (231, 34307), (235, 34319), (243, 34343), (247, 34352), (261, 34379), (263, 34385), (315, 34445), (322, 34457), (333, 34487), (340, 34499), (361, 34574), (382, 34658), (385, 34670), (395, 34700), (402, 34718), (424, 34799), (435, 34826), (437, 34829), (441, 34838),

Gene: Koella_19 Start: 20229, Stop: 21383, Start Num: 82

Candidate Starts for Koella_19:

(78, 20226), (Start: 82 @20229 has 14 MA's), (111, 20310), (131, 20358), (154, 20418), (157, 20427), (Start: 163 @20442 has 33 MA's), (173, 20466), (182, 20490), (186, 20502), (216, 20577), (219, 20586), (229, 20610), (239, 20640), (281, 20724), (283, 20727), (294, 20748), (360, 20907), (382, 20997), (384, 21006), (394, 21036), (402, 21057), (493, 21360),

Gene: Kronus_32 Start: 32802, Stop: 34004, Start Num: 56

Candidate Starts for Kronus_32:

(Start: 56 @32802 has 99 MA's), (66, 32835), (119, 32979), (126, 32988), (130, 32997), (147, 33036), (150, 33045), (158, 33063), (165, 33081), (173, 33099), (176, 33105), (181, 33117), (187, 33135), (192, 33150), (210, 33183), (222, 33210), (241, 33255), (284, 33336), (298, 33363), (316, 33381), (324, 33399), (339, 33441), (342, 33465), (362, 33540), (366, 33570), (384, 33630), (389, 33642), (394, 33660), (417, 33759), (418, 33762), (464, 33867), (468, 33873), (472, 33891), (492, 33978),

Gene: Krueger_28 Start: 22638, Stop: 23633, Start Num: 107

Candidate Starts for Krueger_28:

(69, 22548), (Start: 107 @22638 has 59 MA's), (154, 22737), (Start: 156 @22743 has 3 MA's), (216, 22893), (248, 22974), (261, 22998), (360, 23160), (361, 23163), (382, 23247), (396, 23292), (485, 23571), (490, 23592), (493, 23610),

Gene: Krypton555_22 Start: 22170, Stop: 23369, Start Num: 56

Candidate Starts for Krypton555_22:

(Start: 56 @22170 has 99 MA's), (89, 22272), (96, 22284), (100, 22302), (123, 22350), (144, 22395), (147, 22401), (162, 22437), (179, 22476), (181, 22482), (183, 22488), (201, 22530), (235, 22602), (254, 22650), (261, 22662), (263, 22668), (337, 22806), (350, 22851), (360, 22899), (366, 22935), (383, 22989), (389, 23007), (395, 23028), (443, 23178), (451, 23199), (486, 23307),

Gene: Kwadwo_32 Start: 32069, Stop: 33229, Start Num: 53

Candidate Starts for Kwadwo_32:

(Start: 53 @32069 has 276 MA's), (Start: 91 @32180 has 1 MA's), (Start: 107 @32225 has 59 MA's), (155, 32324), (180, 32384), (192, 32420), (205, 32444), (227, 32489), (229, 32495), (249, 32546), (271, 32585), (274, 32588), (280, 32600), (289, 32615), (315, 32639), (329, 32672), (360, 32753), (370, 32798), (384, 32846), (396, 32882), (399, 32891), (402, 32897), (478, 33122),

Gene: Kwksand96_32 Start: 31938, Stop: 33098, Start Num: 53

Candidate Starts for Kwksand96_32:

(Start: 53 @31938 has 276 MA's), (Start: 91 @32049 has 1 MA's), (Start: 107 @32094 has 59 MA's), (155, 32193), (180, 32253), (192, 32289), (205, 32313), (227, 32358), (229, 32364), (249, 32415), (271, 32454), (274, 32457), (280, 32469), (289, 32484), (315, 32508), (329, 32541), (360, 32622), (370, 32667), (384, 32715), (396, 32751), (399, 32760), (402, 32766), (478, 32991),

Gene: Labeouficaum_32 Start: 31933, Stop: 33093, Start Num: 53

Candidate Starts for Labeouficaum_32:

(Start: 53 @31933 has 276 MA's), (Start: 91 @32044 has 1 MA's), (Start: 107 @32089 has 59 MA's), (155, 32188), (180, 32248), (192, 32284), (205, 32308), (227, 32353), (229, 32359), (249, 32410), (271, 32449), (274, 32452), (280, 32464), (289, 32479), (315, 32503), (329, 32536), (360, 32617), (370, 32662), (384, 32710), (396, 32746), (399, 32755), (402, 32761), (478, 32986),

Gene: Lahirium_30 Start: 38622, Stop: 39524, Start Num: 163

Candidate Starts for Lahirium_30:

(Start: 163 @38622 has 33 MA's), (222, 38760), (255, 38829), (281, 38877), (310, 38940), (330, 38976), (382, 39144), (468, 39378), (473, 39396), (493, 39501),

Gene: Lambo_33 Start: 29541, Stop: 30587, Start Num: 101

Candidate Starts for Lambo_33:

(Start: 101 @29541 has 21 MA's), (148, 29655), (157, 29676), (187, 29751), (192, 29766), (287, 29964), (327, 30030), (332, 30042), (356, 30111), (394, 30252),

Gene: Lars_33 Start: 32801, Stop: 33964, Start Num: 53

Candidate Starts for Lars_33:

(28, 32654), (Start: 51 @32795 has 11 MA's), (Start: 53 @32801 has 276 MA's), (67, 32840), (76, 32870), (Start: 91 @32915 has 1 MA's), (Start: 107 @32960 has 59 MA's), (155, 33059), (180, 33119), (192, 33155), (205, 33179), (227, 33224), (229, 33230), (249, 33281), (271, 33320), (274, 33323), (280, 33335), (289, 33350), (315, 33374), (329, 33407), (360, 33488), (384, 33581), (396, 33617), (399, 33626), (402, 33632), (413, 33692), (478, 33857),

Gene: LasagnaCat_33 Start: 32371, Stop: 33531, Start Num: 53

Candidate Starts for LasagnaCat_33:

(Start: 53 @32371 has 276 MA's), (Start: 91 @32482 has 1 MA's), (Start: 107 @32527 has 59 MA's), (155, 32626), (180, 32686), (192, 32722), (205, 32746), (227, 32791), (229, 32797), (249, 32848), (271, 32887), (274, 32890), (280, 32902), (315, 32941), (329, 32974), (360, 33055), (384, 33148), (396, 33184), (399, 33193), (402, 33199), (478, 33424),

Gene: Lasso_33 Start: 32344, Stop: 33504, Start Num: 53

Candidate Starts for Lasso_33:

(Start: 53 @32344 has 276 MA's), (Start: 91 @32455 has 1 MA's), (Start: 107 @32500 has 59 MA's), (155, 32599), (180, 32659), (192, 32695), (205, 32719), (227, 32764), (229, 32770), (249, 32821), (271, 32860), (274, 32863), (280, 32875), (289, 32890), (315, 32914), (329, 32947), (360, 33028), (370, 33073), (384, 33121), (396, 33157), (399, 33166), (402, 33172), (478, 33397),

Gene: LastHope_28 Start: 22491, Stop: 23498, Start Num: 107

Candidate Starts for LastHope_28:

(Start: 107 @22491 has 59 MA's), (197, 22710), (207, 22731), (232, 22785), (248, 22827), (284, 22887), (329, 22935), (354, 22983), (360, 23013), (384, 23109), (390, 23121), (402, 23160), (461, 23331), (464, 23343),

Gene: LastJedi_19 Start: 20260, Stop: 21414, Start Num: 82

Candidate Starts for LastJedi_19:

(78, 20257), (Start: 82 @20260 has 14 MA's), (111, 20341), (131, 20389), (154, 20449), (157, 20458), (Start: 163 @20473 has 33 MA's), (173, 20497), (182, 20521), (186, 20533), (216, 20608), (219, 20617), (229, 20641), (239, 20671), (281, 20755), (283, 20758), (294, 20779), (360, 20938), (382, 21028), (384, 21037), (394, 21067), (402, 21088), (493, 21391),

Gene: LaterM_28 Start: 23256, Stop: 24269, Start Num: 106

Candidate Starts for LaterM_28:

(Start: 106 @23256 has 87 MA's), (Start: 156 @23367 has 3 MA's), (197, 23481), (248, 23598), (273, 23640), (280, 23652), (329, 23706), (360, 23784), (384, 23880), (390, 23892), (402, 23931), (420, 24012), (434, 24045), (464, 24114), (487, 24210),

Gene: Laurie_33 Start: 32132, Stop: 33340, Start Num: 53

Candidate Starts for Laurie_33:

(Start: 51 @32129 has 11 MA's), (Start: 53 @32132 has 276 MA's), (74, 32201), (100, 32270), (114, 32300), (119, 32312), (124, 32318), (126, 32321), (130, 32330), (147, 32369), (150, 32378), (Start: 156 @32390 has 3 MA's), (180, 32447), (183, 32456), (187, 32468), (189, 32474), (192, 32483), (217, 32528), (222, 32543), (241, 32588), (277, 32657), (286, 32672), (292, 32684), (312, 32708), (333, 32756), (335, 32762), (339, 32774), (342, 32798), (362, 32873), (366, 32903), (384, 32963), (389, 32975), (394, 32993), (417, 33092), (418, 33095), (464, 33200), (468, 33206), (480, 33272), (483, 33275),

Gene: LeBron_21 Start: 21711, Stop: 22886, Start Num: 54

Candidate Starts for LeBron_21:

(Start: 54 @21711 has 5 MA's), (Start: 56 @21714 has 99 MA's), (98, 21840), (117, 21882), (123, 21894), (Start: 125 @21897 has 1 MA's), (141, 21930), (145, 21942), (165, 21990), (173, 22008), (187, 22044), (192, 22059), (219, 22110), (233, 22140), (248, 22182), (260, 22206), (282, 22242), (286, 22248), (307, 22275), (320, 22293), (349, 22386), (350, 22389), (367, 22473), (406, 22611), (410, 22629), (439, 22713),

Gene: LeMond_27 Start: 22583, Stop: 23551, Start Num: 107

Candidate Starts for LeMond_27:

(Start: 107 @22583 has 59 MA's), (165, 22718), (177, 22745), (180, 22751), (187, 22772), (189, 22778), (204, 22820), (225, 22865), (242, 22907), (248, 22922), (330, 23030), (362, 23114), (456, 23390),

Gene: LeeLot_33 Start: 32375, Stop: 33535, Start Num: 53

Candidate Starts for LeeLot_33:

(Start: 53 @32375 has 276 MA's), (Start: 91 @32486 has 1 MA's), (Start: 107 @32531 has 59 MA's), (155, 32630), (180, 32690), (192, 32726), (205, 32750), (227, 32795), (229, 32801), (249, 32852), (271, 32891), (274, 32894), (280, 32906), (315, 32945), (329, 32978), (360, 33059), (370, 33104), (384, 33152), (396, 33188), (399, 33197), (402, 33203), (478, 33428),

Gene: Lego3393_33 Start: 32380, Stop: 33540, Start Num: 53

Candidate Starts for Lego3393_33:

(Start: 53 @32380 has 276 MA's), (Start: 91 @32491 has 1 MA's), (Start: 107 @32536 has 59 MA's), (155, 32635), (180, 32695), (192, 32731), (205, 32755), (227, 32800), (229, 32806), (249, 32857), (271, 32896), (274, 32899), (280, 32911), (289, 32926), (315, 32950), (329, 32983), (360, 33064), (370, 33109), (384, 33157), (396, 33193), (399, 33202), (402, 33208), (478, 33433),

Gene: Legolas_32 Start: 32085, Stop: 33245, Start Num: 53

Candidate Starts for Legolas_32:

(Start: 53 @32085 has 276 MA's), (Start: 91 @32196 has 1 MA's), (Start: 107 @32241 has 59 MA's), (155, 32340), (180, 32400), (192, 32436), (205, 32460), (227, 32505), (229, 32511), (249, 32562), (271, 32601), (274, 32604), (280, 32616), (315, 32655), (329, 32688), (360, 32769), (370, 32814), (384, 32862), (396, 32898), (399, 32907), (402, 32913), (478, 33138),

Gene: LeiMonet_33 Start: 32076, Stop: 33236, Start Num: 53

Candidate Starts for LeiMonet_33:

(Start: 53 @32076 has 276 MA's), (Start: 91 @32187 has 1 MA's), (Start: 107 @32232 has 59 MA's), (155, 32331), (180, 32391), (192, 32427), (205, 32451), (227, 32496), (229, 32502), (249, 32553), (271, 32592), (274, 32595), (280, 32607), (289, 32622), (315, 32646), (329, 32679), (360, 32760), (370, 32805), (384, 32853), (396, 32889), (399, 32898), (402, 32904), (478, 33129),

Gene: LemonSlice_33 Start: 32072, Stop: 33232, Start Num: 53

Candidate Starts for LemonSlice_33:

(Start: 53 @32072 has 276 MA's), (Start: 91 @32183 has 1 MA's), (Start: 107 @32228 has 59 MA's), (155, 32327), (180, 32387), (192, 32423), (205, 32447), (227, 32492), (229, 32498), (249, 32549), (271, 32588), (274, 32591), (280, 32603), (289, 32618), (315, 32642), (329, 32675), (360, 32756), (370, 32801), (384, 32849), (396, 32885), (399, 32894), (402, 32900), (478, 33125),

Gene: Lephleur_33 Start: 32688, Stop: 33857, Start Num: 51

Candidate Starts for Lephleur_33:

(28, 32547), (Start: 51 @32688 has 11 MA's), (Start: 53 @32694 has 276 MA's), (67, 32733), (76, 32763), (Start: 91 @32808 has 1 MA's), (Start: 107 @32853 has 59 MA's), (155, 32952), (180, 33012), (192, 33048), (205, 33072), (227, 33117), (229, 33123), (249, 33174), (271, 33213), (274, 33216), (280, 33228), (289, 33243), (315, 33267), (329, 33300), (360, 33381), (384, 33474), (396, 33510),

(399, 33519), (402, 33525), (478, 33750),

Gene: LestyG_33 Start: 32223, Stop: 33425, Start Num: 56

Candidate Starts for LestyG_33:

(Start: 56 @32223 has 99 MA's), (66, 32256), (119, 32400), (126, 32409), (130, 32418), (147, 32457), (150, 32466), (158, 32484), (165, 32502), (173, 32520), (176, 32526), (181, 32538), (187, 32556), (192, 32571), (210, 32604), (222, 32631), (241, 32676), (284, 32757), (298, 32784), (316, 32802), (324, 32820), (339, 32862), (342, 32886), (362, 32961), (366, 32991), (384, 33051), (389, 33063), (394, 33081), (418, 33183), (464, 33288), (468, 33294), (472, 33312), (492, 33399),

Gene: Lidong_30 Start: 38356, Stop: 39258, Start Num: 163

Candidate Starts for Lidong_30:

(Start: 163 @38356 has 33 MA's), (222, 38494), (255, 38563), (281, 38611), (310, 38674), (330, 38710), (382, 38878), (473, 39130), (493, 39235),

Gene: LilMcDreamy_28 Start: 31675, Stop: 32907, Start Num: 56

Candidate Starts for LilMcDreamy_28:

(2, 30913), (3, 30922), (4, 31042), (8, 31252), (Start: 56 @31675 has 99 MA's), (67, 31714), (68, 31720), (Start: 91 @31792 has 1 MA's), (140, 31897), (147, 31918), (171, 31978), (193, 32035), (216, 32077), (225, 32101), (248, 32158), (271, 32200), (286, 32224), (297, 32251), (327, 32329), (360, 32464), (362, 32470), (397, 32593), (413, 32653), (420, 32671), (436, 32707), (440, 32713), (453, 32737), (464, 32761),

Gene: LilPharaoh_24 Start: 22900, Stop: 23907, Start Num: 107

Candidate Starts for LilPharaoh_24:

(87, 22849), (95, 22861), (Start: 107 @22900 has 59 MA's), (138, 22960), (165, 23032), (187, 23086), (194, 23107), (248, 23236), (275, 23281), (277, 23284), (328, 23341), (329, 23344), (353, 23389), (361, 23425), (384, 23521), (390, 23533), (419, 23653), (475, 23785),

Gene: Lila22_34 Start: 29496, Stop: 30542, Start Num: 101

Candidate Starts for Lila22_34:

(Start: 101 @29496 has 21 MA's), (148, 29610), (157, 29631), (187, 29706), (192, 29721), (223, 29784), (308, 29946), (394, 30207),

Gene: LindNT_28 Start: 23290, Stop: 24303, Start Num: 106

Candidate Starts for LindNT_28:

(Start: 90 @23245 has 1 MA's), (Start: 106 @23290 has 87 MA's), (Start: 156 @23401 has 3 MA's), (197, 23515), (248, 23632), (273, 23674), (280, 23686), (329, 23740), (360, 23818), (381, 23902), (384, 23914), (390, 23926), (402, 23965), (487, 24244),

Gene: LizLemon_33 Start: 32810, Stop: 33973, Start Num: 53

Candidate Starts for LizLemon_33:

(28, 32663), (Start: 51 @32804 has 11 MA's), (Start: 53 @32810 has 276 MA's), (67, 32849), (76, 32879), (Start: 91 @32924 has 1 MA's), (Start: 107 @32969 has 59 MA's), (155, 33068), (180, 33128), (192, 33164), (205, 33188), (227, 33233), (229, 33239), (249, 33290), (271, 33329), (274, 33332), (280, 33344), (289, 33359), (315, 33383), (329, 33416), (360, 33497), (370, 33542), (384, 33590), (396, 33626), (399, 33635), (402, 33641), (478, 33866),

Gene: Llorens_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Llorens_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Lolalove_30 Start: 32616, Stop: 33773, Start Num: 56

Candidate Starts for Lolalove_30:

(Start: 56 @32616 has 99 MA's), (85, 32709), (Start: 91 @32724 has 1 MA's), (97, 32739), (100, 32751), (Start: 107 @32769 has 59 MA's), (171, 32910), (176, 32919), (183, 32937), (192, 32964), (206, 32979), (210, 32985), (214, 32991), (217, 32997), (231, 33024), (235, 33033), (247, 33066), (279, 33099), (316, 33153), (321, 33159), (338, 33189), (339, 33195), (341, 33216), (349, 33240), (361, 33294), (362, 33297), (402, 33441), (449, 33594),

Gene: Lolly9_22 Start: 22045, Stop: 23244, Start Num: 56

Candidate Starts for Lolly9_22:

(Start: 56 @22045 has 99 MA's), (63, 22072), (96, 22159), (100, 22177), (104, 22186), (123, 22225), (147, 22276), (148, 22279), (165, 22321), (179, 22351), (181, 22357), (183, 22363), (201, 22405), (254, 22525), (261, 22537), (263, 22543), (337, 22681), (360, 22774), (366, 22810), (383, 22864), (389, 22882), (451, 23074), (486, 23182),

Gene: Longacauda_32 Start: 32077, Stop: 33237, Start Num: 53

Candidate Starts for Longacauda_32:

(Start: 53 @32077 has 276 MA's), (Start: 91 @32188 has 1 MA's), (Start: 107 @32233 has 59 MA's), (155, 32332), (180, 32392), (192, 32428), (205, 32452), (227, 32497), (229, 32503), (249, 32554), (271, 32593), (274, 32596), (280, 32608), (289, 32623), (315, 32647), (329, 32680), (360, 32761), (370, 32806), (384, 32854), (396, 32890), (399, 32899), (402, 32905), (478, 33130),

Gene: Lopsy_32 Start: 31927, Stop: 33087, Start Num: 53

Candidate Starts for Lopsy_32:

(Start: 53 @31927 has 276 MA's), (Start: 91 @32038 has 1 MA's), (Start: 107 @32083 has 59 MA's), (155, 32182), (180, 32242), (192, 32278), (205, 32302), (227, 32347), (229, 32353), (249, 32404), (271, 32443), (274, 32446), (280, 32458), (315, 32497), (329, 32530), (360, 32611), (370, 32656), (384, 32704), (396, 32740), (399, 32749), (402, 32755), (478, 32980),

Gene: LostAndPhound_32 Start: 32078, Stop: 33238, Start Num: 53

Candidate Starts for LostAndPhound_32:

(Start: 53 @32078 has 276 MA's), (Start: 91 @32189 has 1 MA's), (Start: 107 @32234 has 59 MA's), (155, 32333), (180, 32393), (192, 32429), (205, 32453), (227, 32498), (229, 32504), (249, 32555), (271, 32594), (274, 32597), (280, 32609), (315, 32648), (329, 32681), (360, 32762), (384, 32855), (396, 32891), (399, 32900), (402, 32906), (478, 33131),

Gene: LuckyLeo_32 Start: 28919, Stop: 29908, Start Num: 125

Candidate Starts for LuckyLeo_32:

(Start: 101 @28862 has 21 MA's), (Start: 125 @28919 has 1 MA's), (161, 29009), (164, 29018), (166, 29024), (170, 29033), (192, 29087), (287, 29285), (327, 29351), (332, 29363), (356, 29432), (394, 29573), (422, 29681),

Gene: LuckyMarjie_32 Start: 32087, Stop: 33247, Start Num: 53

Candidate Starts for LuckyMarjie_32:

(Start: 53 @32087 has 276 MA's), (Start: 91 @32198 has 1 MA's), (Start: 107 @32243 has 59 MA's), (155, 32342), (180, 32402), (192, 32438), (205, 32462), (227, 32507), (229, 32513), (249, 32564), (271, 32603), (274, 32606), (280, 32618), (289, 32633), (315, 32657), (329, 32690), (360, 32771), (370, 32816), (384, 32864), (396, 32900), (399, 32909), (402, 32915), (478, 33140),

Gene: Luker_31 Start: 38575, Stop: 39477, Start Num: 163

Candidate Starts for Luker_31:

(Start: 163 @38575 has 33 MA's), (222, 38713), (255, 38782), (281, 38830), (310, 38893), (330, 38929), (382, 39097), (468, 39331), (473, 39349), (493, 39454),

Gene: Lulumae_32 Start: 32069, Stop: 33229, Start Num: 53

Candidate Starts for Lulumae_32:

(Start: 53 @32069 has 276 MA's), (Start: 91 @32180 has 1 MA's), (Start: 107 @32225 has 59 MA's), (155, 32324), (180, 32384), (192, 32420), (205, 32444), (227, 32489), (229, 32495), (249, 32546), (271, 32585), (274, 32588), (280, 32600), (289, 32615), (315, 32639), (329, 32672), (360, 32753), (370, 32798), (384, 32846), (396, 32882), (399, 32891), (402, 32897), (478, 33122),

Gene: Lulwa_33 Start: 32356, Stop: 33516, Start Num: 53

Candidate Starts for Lulwa_33:

(Start: 53 @32356 has 276 MA's), (Start: 91 @32467 has 1 MA's), (Start: 107 @32512 has 59 MA's), (155, 32611), (180, 32671), (192, 32707), (205, 32731), (227, 32776), (229, 32782), (249, 32833), (271, 32872), (274, 32875), (280, 32887), (289, 32902), (315, 32926), (329, 32959), (360, 33040), (370, 33085), (384, 33133), (396, 33169), (399, 33178), (402, 33184), (478, 33409),

Gene: Lumine_32 Start: 32065, Stop: 33225, Start Num: 53

Candidate Starts for Lumine_32:

(Start: 53 @32065 has 276 MA's), (Start: 91 @32176 has 1 MA's), (Start: 107 @32221 has 59 MA's), (155, 32320), (180, 32380), (192, 32416), (205, 32440), (227, 32485), (229, 32491), (249, 32542), (271, 32581), (274, 32584), (280, 32596), (289, 32611), (315, 32635), (329, 32668), (360, 32749), (370, 32794), (384, 32842), (396, 32878), (399, 32887), (402, 32893), (478, 33118),

Gene: Lumos_22 Start: 22244, Stop: 23461, Start Num: 56

Candidate Starts for Lumos_22:

(Start: 56 @22244 has 99 MA's), (89, 22346), (96, 22358), (100, 22376), (104, 22385), (123, 22424), (141, 22460), (147, 22475), (149, 22481), (162, 22511), (Start: 163 @22514 has 33 MA's), (179, 22550), (183, 22562), (206, 22613), (207, 22616), (235, 22676), (244, 22703), (251, 22718), (254, 22724), (261, 22736), (295, 22796), (313, 22820), (337, 22880), (361, 22976), (366, 23009), (389, 23081), (396, 23105), (473, 23333), (476, 23345),

Gene: Lunahalos_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Lunahalos_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: MAckerman_21 Start: 21688, Stop: 22860, Start Num: 56

Candidate Starts for MAckerman_21:

(Start: 54 @21685 has 5 MA's), (Start: 56 @21688 has 99 MA's), (98, 21814), (117, 21856), (123, 21868), (Start: 125 @21871 has 1 MA's), (141, 21904), (145, 21916), (165, 21964), (173, 21982), (187, 22018), (192, 22033), (219, 22084), (233, 22114), (248, 22156), (260, 22180), (282, 22216), (286, 22222), (307, 22249), (320, 22267), (349, 22360), (350, 22363), (367, 22447), (406, 22585), (410, 22603), (439, 22687),

Gene: MRabcd_32 Start: 32069, Stop: 33229, Start Num: 53

Candidate Starts for MRabcd_32:

(Start: 53 @32069 has 276 MA's), (Start: 91 @32180 has 1 MA's), (Start: 107 @32225 has 59 MA's), (155, 32324), (180, 32384), (192, 32420), (205, 32444), (227, 32489), (229, 32495), (249, 32546), (271, 32585), (274, 32588), (280, 32600), (289, 32615), (315, 32639), (329, 32672), (360, 32753), (370, 32798), (384, 32846), (396, 32882), (399, 32891), (402, 32897), (478, 33122),

Gene: MacnCheese_29 Start: 24319, Stop: 25308, Start Num: 107

Candidate Starts for MacnCheese_29:

(69, 24199), (84, 24256), (Start: 107 @24319 has 59 MA's), (123, 24352), (165, 24448), (167, 24454), (195, 24526), (261, 24676), (276, 24697), (291, 24724), (361, 24841), (381, 24919), (384, 24931), (385, 24934), (479, 25231),

Gene: Mag7_32 Start: 31975, Stop: 33135, Start Num: 53

Candidate Starts for Mag7_32:

(Start: 53 @31975 has 276 MA's), (Start: 91 @32086 has 1 MA's), (Start: 107 @32131 has 59 MA's), (155, 32230), (180, 32290), (192, 32326), (205, 32350), (227, 32395), (229, 32401), (249, 32452), (271, 32491), (274, 32494), (280, 32506), (315, 32545), (329, 32578), (360, 32659), (384, 32752), (396, 32788), (399, 32797), (402, 32803), (478, 33028),

Gene: Magic8_33 Start: 32410, Stop: 33570, Start Num: 53

Candidate Starts for Magic8_33:

(Start: 53 @32410 has 276 MA's), (Start: 91 @32521 has 1 MA's), (Start: 107 @32566 has 59 MA's), (155, 32665), (180, 32725), (192, 32761), (205, 32785), (227, 32830), (229, 32836), (249, 32887), (271, 32926), (274, 32929), (280, 32941), (289, 32956), (315, 32980), (329, 33013), (360, 33094), (370, 33139), (384, 33187), (396, 33223), (399, 33232), (402, 33238), (478, 33463),

Gene: Magpie_29 Start: 32448, Stop: 33605, Start Num: 56

Candidate Starts for Magpie_29:

(Start: 56 @32448 has 99 MA's), (85, 32541), (Start: 91 @32556 has 1 MA's), (97, 32571), (100, 32583), (Start: 107 @32601 has 59 MA's), (150, 32691), (171, 32742), (176, 32751), (179, 32757), (183, 32769), (192, 32796), (206, 32811), (210, 32817), (214, 32823), (231, 32856), (235, 32865), (247, 32898), (279, 32931), (338, 33021), (339, 33027), (361, 33126), (362, 33129), (402, 33273), (449, 33426),

Gene: Malthus_30 Start: 24509, Stop: 25513, Start Num: 107

Candidate Starts for Malthus_30:

(Start: 107 @24509 has 59 MA's), (140, 24578), (181, 24677), (196, 24722), (197, 24728), (222, 24782), (227, 24791), (239, 24827), (261, 24872), (276, 24893), (279, 24899), (280, 24902), (360, 25034), (361, 25037), (394, 25160), (402, 25181), (461, 25352), (484, 25448),

Gene: Mana_32 Start: 32084, Stop: 33244, Start Num: 53

Candidate Starts for Mana_32:

(Start: 53 @32084 has 276 MA's), (Start: 91 @32195 has 1 MA's), (Start: 107 @32240 has 59 MA's), (155, 32339), (180, 32399), (192, 32435), (205, 32459), (227, 32504), (229, 32510), (249, 32561), (271, 32600), (274, 32603), (280, 32615), (289, 32630), (315, 32654), (329, 32687), (360, 32768), (370, 32813), (384, 32861), (396, 32897), (399, 32906), (402, 32912), (478, 33137),

Gene: Manad_32 Start: 31926, Stop: 33086, Start Num: 53

Candidate Starts for Manad_32:

(Start: 53 @31926 has 276 MA's), (Start: 91 @32037 has 1 MA's), (Start: 107 @32082 has 59 MA's), (155, 32181), (180, 32241), (192, 32277), (205, 32301), (227, 32346), (229, 32352), (249, 32403), (271, 32442), (274, 32445), (280, 32457), (315, 32496), (329, 32529), (360, 32610), (370, 32655), (384, 32703), (396, 32739), (399, 32748), (402, 32754), (478, 32979),

Gene: Mao1_27 Start: 28750, Stop: 29910, Start Num: 53

Candidate Starts for Mao1_27:

(Start: 53 @28750 has 276 MA's), (65, 28786), (76, 28819), (Start: 91 @28864 has 1 MA's), (Start: 107 @28909 has 59 MA's), (108, 28912), (192, 29104), (205, 29128), (208, 29134), (229, 29179), (231, 29182), (249, 29230), (286, 29293), (288, 29296), (320, 29329), (354, 29404), (360, 29434),

(394, 29557), (397, 29566), (399, 29572), (494, 29893),

Gene: Marcoliusprime_25 Start: 21282, Stop: 22277, Start Num: 107

Candidate Starts for Marcoliusprime_25:

(43, 21099), (69, 21198), (Start: 107 @21282 has 59 MA's), (143, 21363), (154, 21387), (177, 21447), (196, 21501), (197, 21507), (242, 21609), (243, 21612), (268, 21660), (273, 21666), (296, 21708), (329, 21732), (362, 21816), (383, 21900), (402, 21957), (491, 22254),

Gene: MarkPhew_28 Start: 22462, Stop: 23448, Start Num: 107

Candidate Starts for MarkPhew_28:

(Start: 107 @22462 has 59 MA's), (155, 22567), (180, 22630), (187, 22651), (189, 22657), (194, 22672), (204, 22699), (232, 22759), (242, 22786), (301, 22891), (361, 22990), (382, 23074), (394, 23113), (448, 23263), (472, 23317), (476, 23332),

Gene: Marley1013_33 Start: 33001, Stop: 34203, Start Num: 56

Candidate Starts for Marley1013_33:

(Start: 56 @33001 has 99 MA's), (66, 33034), (119, 33178), (126, 33187), (130, 33196), (147, 33235), (150, 33244), (158, 33262), (165, 33280), (173, 33298), (176, 33304), (181, 33316), (187, 33334), (192, 33349), (210, 33382), (222, 33409), (241, 33454), (284, 33535), (298, 33562), (316, 33580), (324, 33598), (339, 33640), (342, 33664), (362, 33739), (366, 33769), (384, 33829), (389, 33841), (394, 33859), (418, 33961), (464, 34066), (468, 34072), (472, 34090), (492, 34177),

Gene: Marshawn_29 Start: 23145, Stop: 24104, Start Num: 107

Candidate Starts for Marshawn_29:

(Start: 107 @23145 has 59 MA's), (120, 23175), (174, 23301), (181, 23316), (194, 23355), (204, 23382), (244, 23475), (248, 23484), (273, 23526), (329, 23592), (360, 23670), (361, 23673), (385, 23766), (419, 23874), (436, 23910),

Gene: Maru_32 Start: 32027, Stop: 33187, Start Num: 53

Candidate Starts for Maru_32:

(Start: 53 @32027 has 276 MA's), (Start: 91 @32138 has 1 MA's), (Start: 107 @32183 has 59 MA's), (155, 32282), (180, 32342), (192, 32378), (205, 32402), (227, 32447), (229, 32453), (249, 32504), (271, 32543), (274, 32546), (280, 32558), (289, 32573), (315, 32597), (329, 32630), (360, 32711), (370, 32756), (384, 32804), (396, 32840), (399, 32849), (402, 32855), (478, 33080),

Gene: Mask_28 Start: 28743, Stop: 29903, Start Num: 53

Candidate Starts for Mask_28:

(Start: 53 @28743 has 276 MA's), (65, 28779), (76, 28812), (Start: 91 @28857 has 1 MA's), (Start: 107 @28902 has 59 MA's), (108, 28905), (192, 29097), (205, 29121), (208, 29127), (224, 29160), (227, 29166), (229, 29172), (231, 29175), (249, 29223), (286, 29286), (288, 29289), (320, 29322), (354, 29397), (360, 29427), (394, 29550), (397, 29559), (399, 29565),

Gene: Maskar_32 Start: 31924, Stop: 33084, Start Num: 53

Candidate Starts for Maskar_32:

(Start: 53 @31924 has 276 MA's), (Start: 91 @32035 has 1 MA's), (Start: 107 @32080 has 59 MA's), (155, 32179), (180, 32239), (192, 32275), (205, 32299), (227, 32344), (229, 32350), (249, 32401), (271, 32440), (274, 32443), (280, 32455), (289, 32470), (315, 32494), (329, 32527), (360, 32608), (370, 32653), (384, 32701), (396, 32737), (399, 32746), (402, 32752), (478, 32977),

Gene: MasterPo_33 Start: 32691, Stop: 33860, Start Num: 51

Candidate Starts for MasterPo_33:

(Start: 51 @32691 has 11 MA's), (Start: 53 @32697 has 276 MA's), (67, 32736), (76, 32766), (Start: 91 @32811 has 1 MA's), (Start: 107 @32856 has 59 MA's), (155, 32955), (180, 33015), (192, 33051),

(205, 33075), (227, 33120), (229, 33126), (249, 33177), (271, 33216), (274, 33219), (280, 33231), (289, 33246), (315, 33270), (329, 33303), (360, 33384), (370, 33429), (384, 33477), (396, 33513), (399, 33522), (402, 33528), (478, 33753),

Gene: Matalotodo_32 Start: 32370, Stop: 33530, Start Num: 53

Candidate Starts for Matalotodo_32:

(Start: 53 @32370 has 276 MA's), (Start: 91 @32481 has 1 MA's), (Start: 107 @32526 has 59 MA's), (155, 32625), (180, 32685), (192, 32721), (205, 32745), (227, 32790), (229, 32796), (249, 32847), (271, 32886), (274, 32889), (280, 32901), (289, 32916), (315, 32940), (329, 32973), (360, 33054), (370, 33099), (384, 33147), (396, 33183), (399, 33192), (402, 33198), (478, 33423),

Gene: Mcshane_32 Start: 32067, Stop: 33227, Start Num: 53

Candidate Starts for Mcshane_32:

(Start: 53 @32067 has 276 MA's), (Start: 91 @32178 has 1 MA's), (Start: 107 @32223 has 59 MA's), (155, 32322), (180, 32382), (192, 32418), (205, 32442), (227, 32487), (229, 32493), (249, 32544), (271, 32583), (274, 32586), (280, 32598), (289, 32613), (315, 32637), (329, 32670), (360, 32751), (370, 32796), (384, 32844), (396, 32880), (399, 32889), (402, 32895), (478, 33120),

Gene: Mdavu_24 Start: 22888, Stop: 23895, Start Num: 107

Candidate Starts for Mdavu_24:

(87, 22837), (95, 22849), (Start: 107 @22888 has 59 MA's), (138, 22948), (165, 23020), (187, 23074), (194, 23095), (248, 23224), (275, 23269), (277, 23272), (328, 23329), (329, 23332), (353, 23377), (361, 23413), (384, 23509), (390, 23521), (419, 23641), (475, 23773),

Gene: MeaningOfLife_28 Start: 23292, Stop: 24305, Start Num: 106

Candidate Starts for MeaningOfLife_28:

(12, 22848), (Start: 90 @23247 has 1 MA's), (Start: 106 @23292 has 87 MA's), (Start: 156 @23403 has 3 MA's), (196, 23511), (197, 23517), (248, 23634), (273, 23676), (280, 23688), (329, 23742), (360, 23820), (381, 23904), (384, 23916), (390, 23928), (402, 23967), (434, 24081), (464, 24150),

Gene: Mecca_32 Start: 32070, Stop: 33230, Start Num: 53

Candidate Starts for Mecca_32:

(Start: 53 @32070 has 276 MA's), (Start: 91 @32181 has 1 MA's), (Start: 107 @32226 has 59 MA's), (155, 32325), (180, 32385), (192, 32421), (205, 32445), (227, 32490), (229, 32496), (249, 32547), (271, 32586), (274, 32589), (280, 32601), (289, 32616), (315, 32640), (329, 32673), (360, 32754), (370, 32799), (384, 32847), (396, 32883), (399, 32892), (402, 32898), (478, 33123),

Gene: Megabear_25 Start: 29324, Stop: 30529, Start Num: 53

Candidate Starts for Megabear_25:

(Start: 51 @29321 has 11 MA's), (Start: 53 @29324 has 276 MA's), (74, 29393), (100, 29462), (114, 29492), (119, 29504), (124, 29510), (126, 29513), (130, 29522), (147, 29561), (150, 29570), (Start: 156 @29582 has 3 MA's), (180, 29639), (183, 29648), (187, 29660), (192, 29675), (217, 29720), (222, 29735), (241, 29780), (277, 29849), (292, 29876), (312, 29900), (332, 29945), (339, 29966), (342, 29990), (362, 30065), (366, 30095), (384, 30155), (389, 30167), (394, 30185), (418, 30287), (468, 30398), (472, 30416), (483, 30467), (492, 30503),

Gene: Megamind20_33 Start: 32092, Stop: 33252, Start Num: 53

Candidate Starts for Megamind20_33:

(Start: 53 @32092 has 276 MA's), (Start: 91 @32203 has 1 MA's), (Start: 107 @32248 has 59 MA's), (155, 32347), (180, 32407), (192, 32443), (205, 32467), (227, 32512), (229, 32518), (249, 32569), (271, 32608), (274, 32611), (280, 32623), (289, 32638), (315, 32662), (329, 32695), (360, 32776), (370, 32821), (384, 32869), (396, 32905), (399, 32914), (402, 32920), (478, 33145),

Gene: Megatron_33 Start: 32368, Stop: 33528, Start Num: 53

Candidate Starts for Megatron_33:

(Start: 53 @32368 has 276 MA's), (Start: 91 @32479 has 1 MA's), (Start: 107 @32524 has 59 MA's), (155, 32623), (180, 32683), (192, 32719), (205, 32743), (227, 32788), (229, 32794), (249, 32845), (271, 32884), (274, 32887), (280, 32899), (315, 32938), (329, 32971), (360, 33052), (370, 33097), (384, 33145), (396, 33181), (399, 33190), (402, 33196), (478, 33421),

Gene: Megsy_29 Start: 23293, Stop: 24306, Start Num: 106

Candidate Starts for Megsy_29:

(12, 22849), (Start: 90 @23248 has 1 MA's), (Start: 106 @23293 has 87 MA's), (Start: 156 @23404 has 3 MA's), (197, 23518), (248, 23635), (273, 23677), (280, 23689), (329, 23743), (360, 23821), (381, 23905), (384, 23917), (390, 23929), (402, 23968), (487, 24247),

Gene: Melc17_33 Start: 32365, Stop: 33525, Start Num: 53

Candidate Starts for Melc17_33:

(Start: 53 @32365 has 276 MA's), (Start: 91 @32476 has 1 MA's), (Start: 107 @32521 has 59 MA's), (155, 32620), (180, 32680), (192, 32716), (205, 32740), (227, 32785), (229, 32791), (249, 32842), (271, 32881), (274, 32884), (280, 32896), (315, 32935), (329, 32968), (360, 33049), (384, 33142), (396, 33178), (399, 33187), (402, 33193), (478, 33418),

Gene: MelsMeow_32 Start: 31973, Stop: 33133, Start Num: 53

Candidate Starts for MelsMeow_32:

(Start: 53 @31973 has 276 MA's), (Start: 91 @32084 has 1 MA's), (Start: 107 @32129 has 59 MA's), (155, 32228), (180, 32288), (192, 32324), (205, 32348), (227, 32393), (229, 32399), (249, 32450), (271, 32489), (274, 32492), (280, 32504), (289, 32519), (315, 32543), (329, 32576), (360, 32657), (370, 32702), (384, 32750), (396, 32786), (399, 32795), (402, 32801), (478, 33026),

Gene: Mesh1_33 Start: 32382, Stop: 33542, Start Num: 53

Candidate Starts for Mesh1_33:

(Start: 53 @32382 has 276 MA's), (Start: 91 @32493 has 1 MA's), (Start: 107 @32538 has 59 MA's), (155, 32637), (180, 32697), (192, 32733), (205, 32757), (227, 32802), (229, 32808), (249, 32859), (271, 32898), (274, 32901), (280, 32913), (289, 32928), (315, 32952), (329, 32985), (360, 33066), (370, 33111), (384, 33159), (396, 33195), (399, 33204), (402, 33210), (478, 33435),

Gene: Meyran_29 Start: 27126, Stop: 28187, Start Num: 112

Candidate Starts for Meyran_29:

(Start: 102 @27099 has 5 MA's), (Start: 112 @27126 has 1 MA's), (187, 27309), (250, 27456), (316, 27561), (350, 27642), (356, 27669), (359, 27684), (376, 27747), (389, 27807), (470, 28044),

Gene: MichaelPhcott_32 Start: 31972, Stop: 33132, Start Num: 53

Candidate Starts for MichaelPhcott_32:

(Start: 53 @31972 has 276 MA's), (Start: 91 @32083 has 1 MA's), (Start: 107 @32128 has 59 MA's), (155, 32227), (180, 32287), (192, 32323), (205, 32347), (227, 32392), (229, 32398), (249, 32449), (271, 32488), (274, 32491), (280, 32503), (315, 32542), (329, 32575), (360, 32656), (384, 32749), (396, 32785), (399, 32794), (402, 32800), (478, 33025),

Gene: Mikota_33 Start: 32355, Stop: 33515, Start Num: 53

Candidate Starts for Mikota_33:

(Start: 53 @32355 has 276 MA's), (Start: 91 @32466 has 1 MA's), (Start: 107 @32511 has 59 MA's), (155, 32610), (180, 32670), (192, 32706), (205, 32730), (227, 32775), (229, 32781), (249, 32832), (271, 32871), (274, 32874), (280, 32886), (289, 32901), (315, 32925), (329, 32958), (360, 33039), (370, 33084), (384, 33132), (396, 33168), (399, 33177), (402, 33183), (478, 33408),

Gene: Milly_25 Start: 21282, Stop: 22277, Start Num: 107

Candidate Starts for Milly_25:

(43, 21099), (69, 21198), (Start: 107 @21282 has 59 MA's), (143, 21363), (154, 21387), (177, 21447), (196, 21501), (197, 21507), (242, 21609), (243, 21612), (268, 21660), (273, 21666), (296, 21708), (329, 21732), (362, 21816), (383, 21900), (402, 21957), (491, 22254),

Gene: MiniBoss_33 Start: 32361, Stop: 33521, Start Num: 53

Candidate Starts for MiniBoss_33:

(Start: 53 @32361 has 276 MA's), (Start: 91 @32472 has 1 MA's), (Start: 107 @32517 has 59 MA's), (155, 32616), (180, 32676), (192, 32712), (205, 32736), (227, 32781), (229, 32787), (249, 32838), (271, 32877), (274, 32880), (280, 32892), (289, 32907), (315, 32931), (329, 32964), (360, 33045), (370, 33090), (384, 33138), (396, 33174), (399, 33183), (402, 33189), (478, 33414),

Gene: MiniLon_22 Start: 22045, Stop: 23244, Start Num: 56

Candidate Starts for MiniLon_22:

(Start: 56 @22045 has 99 MA's), (63, 22072), (96, 22159), (100, 22177), (104, 22186), (123, 22225), (147, 22276), (148, 22279), (165, 22321), (179, 22351), (181, 22357), (183, 22363), (201, 22405), (254, 22525), (261, 22537), (263, 22543), (337, 22681), (360, 22774), (366, 22810), (383, 22864), (389, 22882), (451, 23074), (486, 23182),

Gene: MiniMac_22 Start: 22046, Stop: 23245, Start Num: 56

Candidate Starts for MiniMac_22:

(Start: 56 @22046 has 99 MA's), (63, 22073), (96, 22160), (100, 22178), (123, 22226), (147, 22277), (148, 22280), (165, 22322), (179, 22352), (181, 22358), (183, 22364), (201, 22406), (254, 22526), (261, 22538), (263, 22544), (337, 22682), (360, 22775), (366, 22811), (383, 22865), (389, 22883), (451, 23075), (486, 23183),

Gene: Minos_31 Start: 38098, Stop: 39000, Start Num: 163

Candidate Starts for Minos_31:

(Start: 163 @38098 has 33 MA's), (222, 38236), (255, 38305), (281, 38353), (310, 38416), (330, 38452), (382, 38620), (473, 38872), (493, 38977),

Gene: MissDaisy_29 Start: 24351, Stop: 25355, Start Num: 107

Candidate Starts for MissDaisy_29:

(Start: 107 @24351 has 59 MA's), (181, 24519), (196, 24564), (197, 24570), (222, 24624), (261, 24714), (276, 24735), (280, 24744), (360, 24876), (361, 24879), (394, 25002), (402, 25023), (484, 25290),

Gene: MitKao_33 Start: 32076, Stop: 33236, Start Num: 53

Candidate Starts for MitKao_33:

(Start: 53 @32076 has 276 MA's), (Start: 91 @32187 has 1 MA's), (Start: 107 @32232 has 59 MA's), (155, 32331), (180, 32391), (192, 32427), (205, 32451), (227, 32496), (229, 32502), (249, 32553), (271, 32592), (274, 32595), (280, 32607), (315, 32646), (329, 32679), (360, 32760), (384, 32853), (396, 32889), (399, 32898), (402, 32904), (478, 33129),

Gene: Mithril_30 Start: 32620, Stop: 33777, Start Num: 56

Candidate Starts for Mithril_30:

(Start: 56 @32620 has 99 MA's), (85, 32713), (Start: 91 @32728 has 1 MA's), (97, 32743), (100, 32755), (Start: 107 @32773 has 59 MA's), (132, 32815), (171, 32914), (176, 32923), (183, 32941), (192, 32968), (206, 32983), (210, 32989), (214, 32995), (217, 33001), (231, 33028), (235, 33037), (247, 33070), (279, 33103), (321, 33163), (338, 33193), (339, 33199), (349, 33244), (361, 33298), (362, 33301), (402, 33445), (449, 33598),

Gene: Mitti_29 Start: 24509, Stop: 25513, Start Num: 107

Candidate Starts for Mitti_29:

(Start: 107 @24509 has 59 MA's), (181, 24677), (196, 24722), (197, 24728), (222, 24782), (261, 24872), (276, 24893), (280, 24902), (360, 25034), (361, 25037), (380, 25112), (402, 25181), (474, 25391),

Gene: MmasiCarm_33 Start: 32205, Stop: 33407, Start Num: 56

Candidate Starts for MmasiCarm_33:

(Start: 56 @32205 has 99 MA's), (66, 32238), (119, 32382), (126, 32391), (130, 32400), (147, 32439), (150, 32448), (158, 32466), (180, 32517), (183, 32526), (187, 32538), (189, 32544), (192, 32553), (217, 32598), (222, 32613), (241, 32658), (277, 32727), (286, 32742), (292, 32754), (312, 32778), (333, 32826), (335, 32832), (338, 32838), (339, 32844), (342, 32868), (362, 32943), (366, 32973), (384, 33033), (389, 33045), (394, 33063), (418, 33165), (464, 33270), (468, 33276), (472, 33294), (492, 33381),

Gene: MoiGyank_37 Start: 29999, Stop: 30973, Start Num: 134

Candidate Starts for MoiGyank_37:

(Start: 101 @29924 has 21 MA's), (134, 29999), (148, 30038), (157, 30059), (187, 30134), (192, 30149), (223, 30212), (246, 30272), (308, 30374), (336, 30437), (385, 30608), (469, 30836),

Gene: Moostard_22 Start: 22250, Stop: 23467, Start Num: 56

Candidate Starts for Moostard_22:

(Start: 56 @22250 has 99 MA's), (89, 22352), (96, 22364), (100, 22382), (104, 22391), (123, 22430), (141, 22466), (147, 22481), (149, 22487), (162, 22517), (Start: 163 @22520 has 33 MA's), (179, 22556), (183, 22568), (206, 22619), (207, 22622), (235, 22682), (244, 22709), (251, 22724), (254, 22730), (261, 22742), (295, 22802), (313, 22826), (337, 22886), (361, 22982), (366, 23015), (389, 23087), (396, 23111), (402, 23126), (473, 23339), (476, 23351),

Gene: Morgushi_33 Start: 32077, Stop: 33237, Start Num: 53

Candidate Starts for Morgushi_33:

(Start: 53 @32077 has 276 MA's), (Start: 91 @32188 has 1 MA's), (Start: 107 @32233 has 59 MA's), (155, 32332), (180, 32392), (192, 32428), (205, 32452), (227, 32497), (229, 32503), (249, 32554), (271, 32593), (274, 32596), (280, 32608), (315, 32647), (329, 32680), (360, 32761), (370, 32806), (384, 32854), (396, 32890), (399, 32899), (402, 32905), (478, 33130),

Gene: Mortcellus_32 Start: 32857, Stop: 34059, Start Num: 56

Candidate Starts for Mortcellus_32:

(Start: 56 @32857 has 99 MA's), (66, 32890), (119, 33034), (126, 33043), (130, 33052), (147, 33091), (150, 33100), (158, 33118), (165, 33136), (173, 33154), (176, 33160), (181, 33172), (192, 33205), (217, 33250), (222, 33265), (241, 33310), (284, 33391), (298, 33418), (316, 33436), (324, 33454), (339, 33496), (342, 33520), (362, 33595), (366, 33625), (384, 33685), (389, 33697), (394, 33715), (418, 33817), (464, 33922), (468, 33928), (472, 33946), (492, 34033),

Gene: Morty_33 Start: 32377, Stop: 33537, Start Num: 53

Candidate Starts for Morty_33:

(Start: 53 @32377 has 276 MA's), (Start: 91 @32488 has 1 MA's), (Start: 107 @32533 has 59 MA's), (155, 32632), (180, 32692), (192, 32728), (205, 32752), (227, 32797), (229, 32803), (249, 32854), (271, 32893), (274, 32896), (280, 32908), (315, 32947), (329, 32980), (360, 33061), (370, 33106), (384, 33154), (396, 33190), (399, 33199), (402, 33205), (478, 33430),

Gene: Morty007_33 Start: 33001, Stop: 34203, Start Num: 56

Candidate Starts for Morty007_33:

(Start: 56 @33001 has 99 MA's), (66, 33034), (119, 33178), (126, 33187), (130, 33196), (147, 33235), (150, 33244), (158, 33262), (165, 33280), (173, 33298), (176, 33304), (181, 33316), (187, 33334), (192, 33349), (210, 33382), (222, 33409), (241, 33454), (284, 33535), (298, 33562), (316, 33580), (324, 33598), (339, 33640), (342, 33664), (362, 33739), (366, 33769), (384, 33829), (389, 33841), (394, 33859), (418, 33961), (464, 34066), (468, 34072), (472, 34090), (492, 34177),

Gene: Mosaic_32 Start: 32082, Stop: 33242, Start Num: 53

Candidate Starts for Mosaic_32:

(Start: 53 @32082 has 276 MA's), (Start: 91 @32193 has 1 MA's), (Start: 107 @32238 has 59 MA's), (155, 32337), (180, 32397), (192, 32433), (205, 32457), (227, 32502), (229, 32508), (249, 32559), (271, 32598), (274, 32601), (280, 32613), (315, 32652), (329, 32685), (360, 32766), (384, 32859), (396, 32895), (399, 32904), (402, 32910), (478, 33135),

Gene: MrPhizzler_32 Start: 32085, Stop: 33245, Start Num: 53

Candidate Starts for MrPhizzler_32:

(Start: 53 @32085 has 276 MA's), (Start: 91 @32196 has 1 MA's), (Start: 107 @32241 has 59 MA's), (155, 32340), (180, 32400), (192, 32436), (205, 32460), (227, 32505), (229, 32511), (249, 32562), (271, 32601), (274, 32604), (280, 32616), (289, 32631), (315, 32655), (329, 32688), (360, 32769), (370, 32814), (384, 32862), (396, 32898), (399, 32907), (402, 32913), (478, 33138),

Gene: MrWormie_30 Start: 37259, Stop: 38161, Start Num: 163

Candidate Starts for MrWormie_30:

(Start: 163 @37259 has 33 MA's), (222, 37397), (255, 37466), (281, 37514), (310, 37577), (330, 37613), (382, 37781), (473, 38033), (493, 38138),

Gene: Ms6_19 Start: 19730, Stop: 20884, Start Num: 82

Candidate Starts for Ms6_19:

(31, 19493), (37, 19535), (40, 19565), (45, 19595), (61, 19655), (75, 19709), (Start: 82 @19730 has 14 MA's), (111, 19811), (131, 19859), (154, 19919), (157, 19928), (Start: 163 @19943 has 33 MA's), (173, 19967), (182, 19991), (186, 20003), (216, 20078), (219, 20087), (229, 20111), (239, 20141), (281, 20225), (283, 20228), (294, 20249), (360, 20408), (382, 20498), (384, 20507), (394, 20537), (402, 20558), (493, 20861),

Gene: MsGreen_22 Start: 22247, Stop: 23464, Start Num: 56

Candidate Starts for MsGreen_22:

(Start: 56 @22247 has 99 MA's), (89, 22349), (96, 22361), (100, 22379), (104, 22388), (123, 22427), (141, 22463), (147, 22478), (149, 22484), (162, 22514), (Start: 163 @22517 has 33 MA's), (179, 22553), (183, 22565), (206, 22616), (207, 22619), (235, 22679), (244, 22706), (251, 22721), (254, 22727), (261, 22739), (295, 22799), (313, 22823), (337, 22883), (361, 22979), (366, 23012), (389, 23084), (396, 23108), (473, 23336), (476, 23348),

Gene: Msay19_34 Start: 38032, Stop: 38934, Start Num: 163

Candidate Starts for Msay19_34:

(Start: 163 @38032 has 33 MA's), (207, 38137), (222, 38167), (238, 38197), (243, 38209), (290, 38293), (310, 38341), (330, 38377), (361, 38458), (379, 38512), (401, 38602), (450, 38749), (494, 38917),

Gene: Mudslide_30 Start: 32852, Stop: 34009, Start Num: 56

Candidate Starts for Mudslide_30:

(Start: 56 @32852 has 99 MA's), (85, 32945), (Start: 91 @32960 has 1 MA's), (97, 32975), (100, 32987), (Start: 107 @33005 has 59 MA's), (132, 33047), (150, 33095), (171, 33146), (176, 33155), (183, 33173), (192, 33200), (206, 33215), (210, 33221), (214, 33227), (217, 33233), (231, 33260), (235, 33269), (247, 33302), (279, 33335), (338, 33425), (339, 33431), (349, 33476), (361, 33530),

(362, 33533), (402, 33677), (449, 33830),

Gene: Mufasa_25 Start: 21302, Stop: 22327, Start Num: 107

Candidate Starts for Mufasa_25:

(69, 21218), (Start: 107 @21302 has 59 MA's), (154, 21407), (177, 21467), (196, 21521), (197, 21527), (234, 21608), (236, 21614), (242, 21629), (243, 21632), (362, 21836), (491, 22295),

Gene: Mulan_32 Start: 32094, Stop: 33254, Start Num: 53

Candidate Starts for Mulan_32:

(Start: 53 @32094 has 276 MA's), (Start: 91 @32205 has 1 MA's), (Start: 107 @32250 has 59 MA's), (155, 32349), (180, 32409), (192, 32445), (205, 32469), (227, 32514), (229, 32520), (249, 32571), (271, 32610), (274, 32613), (280, 32625), (315, 32664), (329, 32697), (360, 32778), (370, 32823), (384, 32871), (396, 32907), (399, 32916), (402, 32922), (478, 33147),

Gene: Murdoc_33 Start: 32369, Stop: 33529, Start Num: 53

Candidate Starts for Murdoc_33:

(Start: 53 @32369 has 276 MA's), (Start: 91 @32480 has 1 MA's), (Start: 107 @32525 has 59 MA's), (155, 32624), (180, 32684), (192, 32720), (205, 32744), (227, 32789), (229, 32795), (249, 32846), (271, 32885), (274, 32888), (280, 32900), (289, 32915), (315, 32939), (329, 32972), (360, 33053), (370, 33098), (384, 33146), (396, 33182), (399, 33191), (402, 33197), (478, 33422),

Gene: Murucutumbu_28 Start: 23275, Stop: 24288, Start Num: 106

Candidate Starts for Murucutumbu_28:

(Start: 106 @23275 has 87 MA's), (Start: 156 @23386 has 3 MA's), (197, 23500), (248, 23617), (273, 23659), (329, 23725), (360, 23803), (361, 23806), (384, 23899), (390, 23911), (394, 23929), (402, 23950), (434, 24064), (464, 24133), (487, 24229),

Gene: Mutante_32 Start: 32076, Stop: 33236, Start Num: 53

Candidate Starts for Mutante_32:

(Start: 53 @32076 has 276 MA's), (Start: 91 @32187 has 1 MA's), (Start: 107 @32232 has 59 MA's), (155, 32331), (180, 32391), (192, 32427), (205, 32451), (227, 32496), (229, 32502), (249, 32553), (271, 32592), (274, 32595), (280, 32607), (289, 32622), (315, 32646), (329, 32679), (360, 32760), (370, 32805), (384, 32853), (396, 32889), (399, 32898), (402, 32904), (478, 33129),

Gene: Mynx_28 Start: 23339, Stop: 24352, Start Num: 106

Candidate Starts for Mynx_28:

(12, 22895), (Start: 90 @23294 has 1 MA's), (Start: 106 @23339 has 87 MA's), (197, 23564), (248, 23681), (273, 23723), (280, 23735), (329, 23789), (360, 23867), (384, 23963), (390, 23975), (398, 24005), (402, 24014), (434, 24128), (464, 24197),

Gene: Mysterious_33 Start: 32854, Stop: 34362, Start Num: 14

Candidate Starts for Mysterious_33:

(Start: 14 @32854 has 8 MA's), (21, 32893), (30, 32965), (33, 32992), (34, 33001), (39, 33043), (42, 33058), (44, 33070), (49, 33100), (57, 33121), (60, 33130), (73, 33178), (92, 33232), (94, 33235), (119, 33307), (141, 33358), (152, 33385), (Start: 163 @33412 has 33 MA's), (184, 33463), (196, 33499), (202, 33514), (217, 33553), (222, 33568), (253, 33643), (280, 33688), (284, 33694), (289, 33703), (331, 33775), (339, 33799), (344, 33826), (354, 33865), (362, 33901), (394, 34027), (417, 34117), (468, 34228), (495, 34348),

Gene: Nacho_0033 Start: 32371, Stop: 33531, Start Num: 53

Candidate Starts for Nacho_0033:

(Start: 53 @32371 has 276 MA's), (Start: 91 @32482 has 1 MA's), (Start: 107 @32527 has 59 MA's), (155, 32626), (180, 32686), (192, 32722), (205, 32746), (227, 32791), (229, 32797), (249, 32848),

(271, 32887), (274, 32890), (280, 32902), (289, 32917), (315, 32941), (329, 32974), (360, 33055), (370, 33100), (384, 33148), (396, 33184), (399, 33193), (402, 33199), (478, 33424),

Gene: Nanao_29 Start: 31577, Stop: 32734, Start Num: 56

Candidate Starts for Nanao_29:

(Start: 56 @31577 has 99 MA's), (85, 31670), (Start: 91 @31685 has 1 MA's), (97, 31700), (100, 31712), (Start: 107 @31730 has 59 MA's), (150, 31820), (171, 31871), (176, 31880), (179, 31886), (183, 31898), (192, 31925), (206, 31940), (210, 31946), (214, 31952), (231, 31985), (235, 31994), (247, 32027), (279, 32060), (338, 32150), (339, 32156), (361, 32255), (362, 32258), (402, 32402), (449, 32555),

Gene: Nangang_32 Start: 32544, Stop: 34049, Start Num: 14

Candidate Starts for Nangang_32:

(Start: 14 @32544 has 8 MA's), (21, 32583), (30, 32655), (33, 32682), (39, 32733), (42, 32748), (121, 33000), (136, 33030), (141, 33048), (152, 33075), (Start: 163 @33102 has 33 MA's), (202, 33204), (217, 33243), (222, 33258), (253, 33333), (280, 33378), (284, 33384), (289, 33393), (339, 33489), (354, 33555), (362, 33591), (417, 33804), (468, 33915), (495, 34035),

Gene: Nanosmite_35 Start: 27723, Stop: 28895, Start Num: 72

Candidate Starts for Nanosmite_35:

(70, 27717), (Start: 72 @27723 has 1 MA's), (113, 27828), (115, 27831), (130, 27858), (183, 27984), (207, 28038), (210, 28044), (216, 28053), (240, 28113), (254, 28146), (271, 28176), (276, 28182), (313, 28242), (332, 28284), (401, 28539), (411, 28593), (445, 28689), (459, 28716), (462, 28722),

Gene: Nenae_21 Start: 19877, Stop: 21031, Start Num: 82

Candidate Starts for Nenae_21:

(31, 19640), (37, 19682), (40, 19712), (45, 19742), (61, 19802), (75, 19856), (Start: 82 @19877 has 14 MA's), (104, 19940), (111, 19958), (131, 20006), (154, 20066), (157, 20075), (Start: 163 @20090 has 33 MA's), (173, 20114), (182, 20138), (186, 20150), (216, 20225), (219, 20234), (229, 20258), (239, 20288), (259, 20333), (261, 20336), (263, 20342), (281, 20372), (283, 20375), (294, 20396), (360, 20555), (382, 20645), (384, 20654), (394, 20684), (402, 20705), (493, 21008),

Gene: Neoevie_30 Start: 38362, Stop: 39264, Start Num: 163

Candidate Starts for Neoevie_30:

(Start: 163 @38362 has 33 MA's), (222, 38500), (255, 38569), (281, 38617), (310, 38680), (330, 38716), (334, 38725), (382, 38884), (468, 39118), (473, 39136), (493, 39241),

Gene: Neos5_33 Start: 33020, Stop: 34222, Start Num: 56

Candidate Starts for Neos5_33:

(Start: 56 @33020 has 99 MA's), (66, 33053), (119, 33197), (126, 33206), (130, 33215), (147, 33254), (150, 33263), (158, 33281), (165, 33299), (173, 33317), (176, 33323), (181, 33335), (187, 33353), (192, 33368), (210, 33401), (222, 33428), (241, 33473), (284, 33554), (298, 33581), (316, 33599), (324, 33617), (339, 33659), (342, 33683), (362, 33758), (366, 33788), (384, 33848), (389, 33860), (394, 33878), (418, 33980), (464, 34085), (468, 34091), (472, 34109), (492, 34196),

Gene: Newman_33 Start: 32368, Stop: 33528, Start Num: 53

Candidate Starts for Newman_33:

(Start: 53 @32368 has 276 MA's), (Start: 91 @32479 has 1 MA's), (Start: 107 @32524 has 59 MA's), (155, 32623), (180, 32683), (192, 32719), (205, 32743), (227, 32788), (229, 32794), (249, 32845), (271, 32884), (274, 32887), (280, 32899), (289, 32914), (315, 32938), (329, 32971), (360, 33052), (370, 33097), (384, 33145), (396, 33181), (399, 33190), (402, 33196), (478, 33421),

Gene: Newt_31 Start: 38589, Stop: 39491, Start Num: 163

Candidate Starts for Newt_31:

(Start: 163 @38589 has 33 MA's), (222, 38727), (255, 38796), (281, 38844), (310, 38907), (330, 38943), (382, 39111), (473, 39363), (493, 39468),

Gene: Nibb_27 Start: 22603, Stop: 23589, Start Num: 107

Candidate Starts for Nibb_27:

(Start: 107 @22603 has 59 MA's), (155, 22708), (174, 22759), (180, 22771), (187, 22792), (189, 22798), (194, 22813), (204, 22840), (232, 22900), (242, 22927), (293, 23020), (301, 23032), (358, 23119), (361, 23131), (382, 23215), (394, 23254), (403, 23281), (424, 23350), (448, 23404),

Gene: Nicholas_22 Start: 22247, Stop: 23464, Start Num: 56

Candidate Starts for Nicholas_22:

(Start: 56 @22247 has 99 MA's), (89, 22349), (96, 22361), (100, 22379), (104, 22388), (123, 22427), (141, 22463), (147, 22478), (149, 22484), (162, 22514), (Start: 163 @22517 has 33 MA's), (179, 22553), (183, 22565), (206, 22616), (207, 22619), (235, 22679), (244, 22706), (251, 22721), (254, 22727), (261, 22739), (295, 22799), (313, 22823), (337, 22883), (361, 22979), (366, 23012), (389, 23084), (396, 23108), (473, 23336), (476, 23348),

Gene: Nicole21_33 Start: 32366, Stop: 33526, Start Num: 53

Candidate Starts for Nicole21_33:

(Start: 53 @32366 has 276 MA's), (Start: 91 @32477 has 1 MA's), (Start: 107 @32522 has 59 MA's), (155, 32621), (180, 32681), (192, 32717), (205, 32741), (227, 32786), (229, 32792), (249, 32843), (271, 32882), (274, 32885), (280, 32897), (289, 32912), (315, 32936), (329, 32969), (360, 33050), (370, 33095), (384, 33143), (396, 33179), (399, 33188), (402, 33194), (478, 33419),

Gene: Nigel_28 Start: 31491, Stop: 32651, Start Num: 56

Candidate Starts for Nigel_28:

(7, 30987), (Start: 56 @31491 has 99 MA's), (62, 31518), (Start: 91 @31602 has 1 MA's), (97, 31617), (100, 31629), (Start: 107 @31647 has 59 MA's), (171, 31788), (176, 31797), (183, 31815), (192, 31842), (206, 31857), (210, 31863), (214, 31869), (224, 31887), (231, 31902), (235, 31911), (247, 31944), (279, 31977), (286, 31989), (289, 31995), (338, 32067), (339, 32073), (359, 32163), (361, 32172), (402, 32319), (449, 32472),

Gene: Nikao_24 Start: 22900, Stop: 23907, Start Num: 107

Candidate Starts for Nikao_24:

(87, 22849), (95, 22861), (Start: 107 @22900 has 59 MA's), (138, 22960), (165, 23032), (187, 23086), (194, 23107), (248, 23236), (275, 23281), (277, 23284), (328, 23341), (329, 23344), (353, 23389), (361, 23425), (384, 23521), (390, 23533), (419, 23653), (475, 23785),

Gene: Niklas_28 Start: 22731, Stop: 23696, Start Num: 106

Candidate Starts for Niklas_28:

(Start: 106 @22731 has 87 MA's), (108, 22737), (172, 22890), (181, 22908), (187, 22926), (197, 22959), (218, 23001), (242, 23061), (248, 23076), (360, 23262), (361, 23265), (380, 23337), (402, 23406), (418, 23454), (423, 23469), (439, 23502), (454, 23541), (481, 23640),

Gene: Nimi13_30 Start: 38107, Stop: 39009, Start Num: 163

Candidate Starts for Nimi13_30:

(Start: 163 @38107 has 33 MA's), (222, 38245), (255, 38314), (281, 38362), (310, 38425), (330, 38461), (334, 38470), (382, 38629), (468, 38863), (473, 38881), (493, 38986),

Gene: NorManre_34 Start: 29125, Stop: 30174, Start Num: 101

Candidate Starts for NorManre_34:

(Start: 101 @29125 has 21 MA's), (134, 29200), (148, 29239), (157, 29260), (187, 29335), (192, 29350), (223, 29413), (336, 29638), (385, 29809), (469, 30037), (477, 30082),

Gene: NovaSharks_32 Start: 27111, Stop: 28208, Start Num: 101

Candidate Starts for NovaSharks_32:

(Start: 101 @27111 has 21 MA's), (148, 27225), (188, 27318), (211, 27351), (213, 27354), (215, 27357), (223, 27378), (228, 27390), (246, 27438), (278, 27501), (314, 27555), (351, 27651), (359, 27693), (414, 27927), (429, 27966), (466, 28053), (496, 28200),

Gene: Nozo_33 Start: 32981, Stop: 34183, Start Num: 56

Candidate Starts for Nozo_33:

(Start: 56 @32981 has 99 MA's), (66, 33014), (119, 33158), (126, 33167), (130, 33176), (147, 33215), (150, 33224), (158, 33242), (165, 33260), (173, 33278), (176, 33284), (181, 33296), (187, 33314), (192, 33329), (210, 33362), (222, 33389), (241, 33434), (284, 33515), (298, 33542), (316, 33560), (324, 33578), (339, 33620), (342, 33644), (362, 33719), (366, 33749), (384, 33809), (389, 33821), (394, 33839), (418, 33941), (464, 34046), (468, 34052), (472, 34070), (492, 34157),

Gene: Numberten_33 Start: 32375, Stop: 33535, Start Num: 53

Candidate Starts for Numberten_33:

(Start: 53 @32375 has 276 MA's), (Start: 91 @32486 has 1 MA's), (Start: 107 @32531 has 59 MA's), (155, 32630), (180, 32690), (192, 32726), (205, 32750), (227, 32795), (229, 32801), (249, 32852), (271, 32891), (274, 32894), (280, 32906), (315, 32945), (329, 32978), (360, 33059), (370, 33104), (384, 33152), (396, 33188), (399, 33197), (402, 33203), (478, 33428),

Gene: Nutello_24 Start: 22900, Stop: 23907, Start Num: 107

Candidate Starts for Nutello_24:

(87, 22849), (95, 22861), (Start: 107 @22900 has 59 MA's), (138, 22960), (165, 23032), (187, 23086), (194, 23107), (248, 23236), (275, 23281), (277, 23284), (328, 23341), (329, 23344), (353, 23389), (361, 23425), (384, 23521), (390, 23533), (419, 23653), (475, 23785),

Gene: Nyala_32 Start: 32068, Stop: 33228, Start Num: 53

Candidate Starts for Nyala_32:

(Start: 53 @32068 has 276 MA's), (Start: 91 @32179 has 1 MA's), (Start: 107 @32224 has 59 MA's), (155, 32323), (180, 32383), (192, 32419), (205, 32443), (227, 32488), (229, 32494), (249, 32545), (271, 32584), (274, 32587), (280, 32599), (289, 32614), (315, 32638), (329, 32671), (360, 32752), (370, 32797), (384, 32845), (396, 32881), (399, 32890), (402, 32896), (478, 33121),

Gene: Nyceirae_31 Start: 26839, Stop: 27909, Start Num: 102

Candidate Starts for Nyceirae_31:

(Start: 102 @26839 has 5 MA's), (137, 26920), (144, 26944), (187, 27049), (214, 27106), (223, 27127), (241, 27175), (316, 27301), (336, 27352), (356, 27409), (359, 27424), (389, 27541),

Gene: OSmaximus_33 Start: 32410, Stop: 33570, Start Num: 53

Candidate Starts for OSmaximus_33:

(Start: 53 @32410 has 276 MA's), (Start: 91 @32521 has 1 MA's), (Start: 107 @32566 has 59 MA's), (155, 32665), (180, 32725), (192, 32761), (205, 32785), (227, 32830), (229, 32836), (249, 32887), (271, 32926), (274, 32929), (280, 32941), (289, 32956), (315, 32980), (329, 33013), (360, 33094), (370, 33139), (384, 33187), (396, 33223), (399, 33232), (402, 33238), (478, 33463),

Gene: Obutu_33 Start: 32205, Stop: 33407, Start Num: 56

Candidate Starts for Obutu_33:

(Start: 56 @32205 has 99 MA's), (66, 32238), (119, 32382), (126, 32391), (130, 32400), (147, 32439), (150, 32448), (158, 32466), (180, 32517), (183, 32526), (187, 32538), (189, 32544), (192, 32553),

(217, 32598), (222, 32613), (241, 32658), (277, 32727), (286, 32742), (292, 32754), (312, 32778), (333, 32826), (335, 32832), (338, 32838), (339, 32844), (342, 32868), (362, 32943), (366, 32973), (384, 33033), (389, 33045), (394, 33063), (417, 33162), (418, 33165), (464, 33270), (468, 33276), (472, 33294), (492, 33381),

Gene: OhShagHennessy_21 Start: 21653, Stop: 22825, Start Num: 56

Candidate Starts for OhShagHennessy_21:

(Start: 54 @21650 has 5 MA's), (Start: 56 @21653 has 99 MA's), (98, 21779), (117, 21821), (123, 21833), (Start: 125 @21836 has 1 MA's), (141, 21869), (145, 21881), (165, 21929), (173, 21947), (187, 21983), (192, 21998), (219, 22049), (233, 22079), (248, 22121), (260, 22145), (282, 22181), (286, 22187), (307, 22214), (320, 22232), (349, 22325), (350, 22328), (367, 22412), (406, 22550), (410, 22568), (439, 22652),

Gene: Olak_33 Start: 32072, Stop: 33232, Start Num: 53

Candidate Starts for Olak_33:

(Start: 53 @32072 has 276 MA's), (Start: 91 @32183 has 1 MA's), (Start: 107 @32228 has 59 MA's), (155, 32327), (180, 32387), (192, 32423), (205, 32447), (227, 32492), (229, 32498), (249, 32549), (271, 32588), (274, 32591), (280, 32603), (289, 32618), (315, 32642), (329, 32675), (360, 32756), (370, 32801), (384, 32849), (396, 32885), (399, 32894), (402, 32900), (478, 33125),

Gene: Oline_32 Start: 31937, Stop: 33097, Start Num: 53

Candidate Starts for Oline_32:

(Start: 53 @31937 has 276 MA's), (Start: 91 @32048 has 1 MA's), (Start: 107 @32093 has 59 MA's), (155, 32192), (180, 32252), (192, 32288), (205, 32312), (227, 32357), (229, 32363), (249, 32414), (271, 32453), (274, 32456), (280, 32468), (315, 32507), (329, 32540), (360, 32621), (384, 32714), (396, 32750), (399, 32759), (402, 32765), (478, 32990),

Gene: Olive_33 Start: 32358, Stop: 33518, Start Num: 53

Candidate Starts for Olive_33:

(Start: 53 @32358 has 276 MA's), (Start: 91 @32469 has 1 MA's), (Start: 107 @32514 has 59 MA's), (155, 32613), (180, 32673), (192, 32709), (205, 32733), (227, 32778), (229, 32784), (249, 32835), (271, 32874), (274, 32877), (280, 32889), (315, 32928), (329, 32961), (360, 33042), (370, 33087), (384, 33135), (396, 33171), (399, 33180), (402, 33186), (478, 33411),

Gene: OliverWalter_33 Start: 32380, Stop: 33540, Start Num: 53

Candidate Starts for OliverWalter_33:

(Start: 53 @32380 has 276 MA's), (Start: 91 @32491 has 1 MA's), (Start: 107 @32536 has 59 MA's), (155, 32635), (180, 32695), (192, 32731), (205, 32755), (227, 32800), (229, 32806), (249, 32857), (271, 32896), (274, 32899), (280, 32911), (289, 32926), (315, 32950), (329, 32983), (360, 33064), (370, 33109), (384, 33157), (396, 33193), (399, 33202), (402, 33208), (478, 33433),

Gene: OmniCritical_29 Start: 24494, Stop: 25498, Start Num: 107

Candidate Starts for OmniCritical_29:

(Start: 107 @24494 has 59 MA's), (181, 24662), (196, 24707), (197, 24713), (222, 24767), (227, 24776), (261, 24857), (276, 24878), (279, 24884), (280, 24887), (360, 25019), (361, 25022), (394, 25145), (474, 25376),

Gene: Omniscient_33 Start: 32377, Stop: 33537, Start Num: 53

Candidate Starts for Omniscient_33:

(Start: 53 @32377 has 276 MA's), (Start: 91 @32488 has 1 MA's), (Start: 107 @32533 has 59 MA's), (155, 32632), (180, 32692), (192, 32728), (205, 32752), (227, 32797), (229, 32803), (249, 32854), (271, 32893), (274, 32896), (280, 32908), (289, 32923), (315, 32947), (329, 32980), (360, 33061), (370, 33106), (384, 33154), (396, 33190), (399, 33199), (402, 33205), (478, 33430),

Gene: Oosterbaan_33 Start: 32368, Stop: 33528, Start Num: 53

Candidate Starts for Oosterbaan_33:

(Start: 53 @32368 has 276 MA's), (Start: 91 @32479 has 1 MA's), (Start: 107 @32524 has 59 MA's), (155, 32623), (180, 32683), (192, 32719), (205, 32743), (227, 32788), (229, 32794), (249, 32845), (271, 32884), (274, 32887), (280, 32899), (289, 32914), (315, 32938), (329, 32971), (360, 33052), (370, 33097), (384, 33145), (396, 33181), (399, 33190), (402, 33196), (478, 33421),

Gene: Opia_33 Start: 32684, Stop: 33847, Start Num: 53

Candidate Starts for Opia_33:

(28, 32537), (Start: 51 @32678 has 11 MA's), (Start: 53 @32684 has 276 MA's), (67, 32723), (76, 32753), (Start: 91 @32798 has 1 MA's), (Start: 107 @32843 has 59 MA's), (155, 32942), (180, 33002), (192, 33038), (205, 33062), (227, 33107), (229, 33113), (249, 33164), (271, 33203), (274, 33206), (280, 33218), (289, 33233), (315, 33257), (329, 33290), (360, 33371), (384, 33464), (396, 33500), (399, 33509), (402, 33515), (478, 33740),

Gene: OrangeOswald_33 Start: 32222, Stop: 33424, Start Num: 56

Candidate Starts for OrangeOswald_33:

(Start: 56 @32222 has 99 MA's), (66, 32255), (119, 32399), (126, 32408), (130, 32417), (147, 32456), (150, 32465), (158, 32483), (165, 32501), (173, 32519), (176, 32525), (181, 32537), (187, 32555), (192, 32570), (210, 32603), (222, 32630), (241, 32675), (284, 32756), (298, 32783), (316, 32801), (324, 32819), (339, 32861), (342, 32885), (362, 32960), (366, 32990), (384, 33050), (389, 33062), (394, 33080), (418, 33182), (464, 33287), (468, 33293), (472, 33311), (492, 33398),

Gene: Orfeu_32 Start: 32076, Stop: 33236, Start Num: 53

Candidate Starts for Orfeu_32:

(Start: 53 @32076 has 276 MA's), (Start: 91 @32187 has 1 MA's), (Start: 107 @32232 has 59 MA's), (155, 32331), (180, 32391), (192, 32427), (205, 32451), (227, 32496), (229, 32502), (249, 32553), (271, 32592), (274, 32595), (280, 32607), (289, 32622), (315, 32646), (329, 32679), (360, 32760), (370, 32805), (384, 32853), (396, 32889), (399, 32898), (402, 32904), (478, 33129),

Gene: Orion_33 Start: 32366, Stop: 33526, Start Num: 53

Candidate Starts for Orion_33:

(Start: 53 @32366 has 276 MA's), (Start: 91 @32477 has 1 MA's), (Start: 107 @32522 has 59 MA's), (155, 32621), (180, 32681), (192, 32717), (205, 32741), (227, 32786), (229, 32792), (249, 32843), (271, 32882), (274, 32885), (280, 32897), (289, 32912), (315, 32936), (329, 32969), (360, 33050), (370, 33095), (384, 33143), (396, 33179), (399, 33188), (402, 33194), (478, 33419),

Gene: Orwigg_33 Start: 32064, Stop: 33224, Start Num: 53

Candidate Starts for Orwigg_33:

(Start: 53 @32064 has 276 MA's), (Start: 91 @32175 has 1 MA's), (Start: 107 @32220 has 59 MA's), (155, 32319), (180, 32379), (192, 32415), (205, 32439), (227, 32484), (229, 32490), (249, 32541), (271, 32580), (274, 32583), (280, 32595), (289, 32610), (315, 32634), (329, 32667), (360, 32748), (370, 32793), (384, 32841), (396, 32877), (399, 32886), (402, 32892), (478, 33117),

Gene: Oscar_27 Start: 22584, Stop: 23552, Start Num: 107

Candidate Starts for Oscar_27:

(Start: 107 @22584 has 59 MA's), (177, 22746), (180, 22752), (187, 22773), (189, 22779), (204, 22821), (225, 22866), (242, 22908), (248, 22923), (330, 23031), (362, 23115), (456, 23391),

Gene: OtterstedtS21_33 Start: 29200, Stop: 30249, Start Num: 101

Candidate Starts for OtterstedtS21_33:

(Start: 101 @29200 has 21 MA's), (148, 29314), (164, 29356), (187, 29410), (192, 29425), (223, 29488), (246, 29548), (308, 29650), (336, 29713), (385, 29884), (469, 30112),

Gene: PG1_33 Start: 32379, Stop: 33539, Start Num: 53

Candidate Starts for PG1_33:

(Start: 53 @32379 has 276 MA's), (Start: 91 @32490 has 1 MA's), (Start: 107 @32535 has 59 MA's), (155, 32634), (180, 32694), (192, 32730), (205, 32754), (227, 32799), (229, 32805), (249, 32856), (271, 32895), (274, 32898), (280, 32910), (289, 32925), (315, 32949), (329, 32982), (360, 33063), (370, 33108), (384, 33156), (396, 33192), (399, 33201), (402, 33207), (478, 33432),

Gene: PR_25 Start: 29919, Stop: 31133, Start Num: 51

Candidate Starts for PR_25:

(Start: 51 @29919 has 11 MA's), (Start: 56 @29925 has 99 MA's), (67, 29964), (Start: 91 @30039 has 1 MA's), (93, 30042), (104, 30075), (114, 30096), (119, 30108), (124, 30114), (130, 30126), (147, 30165), (148, 30168), (180, 30243), (187, 30264), (222, 30339), (241, 30384), (253, 30414), (280, 30459), (286, 30468), (289, 30474), (292, 30480), (312, 30504), (332, 30549), (339, 30570), (342, 30594), (362, 30669), (366, 30699), (384, 30759), (389, 30771), (394, 30789), (417, 30888), (418, 30891), (464, 30996), (468, 31002), (480, 31068), (483, 31071), (492, 31107),

Gene: Pacifista_34 Start: 32070, Stop: 33230, Start Num: 53

Candidate Starts for Pacifista_34:

(Start: 53 @32070 has 276 MA's), (Start: 91 @32181 has 1 MA's), (Start: 107 @32226 has 59 MA's), (155, 32325), (180, 32385), (192, 32421), (205, 32445), (227, 32490), (229, 32496), (249, 32547), (271, 32586), (274, 32589), (280, 32601), (289, 32616), (315, 32640), (329, 32673), (360, 32754), (370, 32799), (384, 32847), (396, 32883), (399, 32892), (402, 32898), (478, 33123),

Gene: Padfoot_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Padfoot_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (Start: 156 @23467 has 3 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (390, 23992), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Padpat_28 Start: 23316, Stop: 24329, Start Num: 106

Candidate Starts for Padpat_28:

(12, 22872), (Start: 90 @23271 has 1 MA's), (Start: 106 @23316 has 87 MA's), (197, 23541), (248, 23658), (273, 23700), (280, 23712), (329, 23766), (360, 23844), (384, 23940), (390, 23952), (398, 23982), (402, 23991), (434, 24105), (464, 24174),

Gene: ParvusTarda_33 Start: 28670, Stop: 29716, Start Num: 101

Candidate Starts for ParvusTarda_33:

(Start: 101 @28670 has 21 MA's), (148, 28784), (157, 28805), (187, 28880), (192, 28895), (223, 28958), (308, 29120), (385, 29354),

Gene: Patos_34 Start: 29125, Stop: 30174, Start Num: 101

Candidate Starts for Patos_34:

(Start: 101 @29125 has 21 MA's), (134, 29200), (148, 29239), (157, 29260), (187, 29335), (192, 29350), (223, 29413), (336, 29638), (385, 29809), (469, 30037), (477, 30082),

Gene: Patt_29 Start: 24327, Stop: 25331, Start Num: 107

Candidate Starts for Patt_29:

(Start: 107 @24327 has 59 MA's), (181, 24495), (196, 24540), (197, 24546), (222, 24600), (261, 24690), (276, 24711), (280, 24720), (360, 24852), (361, 24855), (399, 24993), (413, 25062),

Gene: Peanam_28 Start: 22728, Stop: 23693, Start Num: 106

Candidate Starts for Peanam_28:

(Start: 106 @22728 has 87 MA's), (108, 22734), (172, 22887), (181, 22905), (187, 22923), (197, 22956), (218, 22998), (242, 23058), (248, 23073), (280, 23127), (360, 23259), (361, 23262), (380, 23334), (402, 23403), (418, 23451), (423, 23466), (439, 23499), (454, 23538), (481, 23637),

Gene: Peel_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Peel_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: PenguinLover67_33 Start: 33434, Stop: 34648, Start Num: 52

Candidate Starts for PenguinLover67_33:

(Start: 52 @33434 has 8 MA's), (Start: 101 @33572 has 21 MA's), (127, 33632), (147, 33680), (148, 33683), (Start: 163 @33719 has 33 MA's), (171, 33740), (187, 33779), (195, 33803), (218, 33842), (235, 33881), (242, 33902), (249, 33920), (250, 33923), (361, 34136), (362, 34139), (376, 34184), (455, 34478),

Gene: Penjamin420_35 Start: 29342, Stop: 30391, Start Num: 101

Candidate Starts for Penjamin420_35:

(Start: 101 @29342 has 21 MA's), (148, 29456), (157, 29477), (187, 29552), (192, 29567), (223, 29630), (327, 29831), (336, 29855), (385, 30026), (465, 30239), (469, 30254), (477, 30299),

Gene: Phaedrus_31 Start: 32138, Stop: 33340, Start Num: 56

Candidate Starts for Phaedrus_31:

(Start: 56 @32138 has 99 MA's), (66, 32171), (119, 32315), (126, 32324), (130, 32333), (147, 32372), (150, 32381), (158, 32399), (165, 32417), (173, 32435), (176, 32441), (181, 32453), (187, 32471), (192, 32486), (210, 32519), (222, 32546), (241, 32591), (284, 32672), (298, 32699), (316, 32717), (324, 32735), (339, 32777), (366, 32906), (394, 32996), (418, 33098), (443, 33155), (446, 33164), (464, 33203), (480, 33275), (493, 33317),

Gene: Phamished_33 Start: 32374, Stop: 33534, Start Num: 53

Candidate Starts for Phamished_33:

(Start: 53 @32374 has 276 MA's), (Start: 91 @32485 has 1 MA's), (Start: 107 @32530 has 59 MA's), (155, 32629), (180, 32689), (192, 32725), (205, 32749), (227, 32794), (229, 32800), (249, 32851), (271, 32890), (274, 32893), (280, 32905), (289, 32920), (315, 32944), (329, 32977), (360, 33058), (370, 33103), (384, 33151), (396, 33187), (399, 33196), (402, 33202), (478, 33427),

Gene: PhancyPhin_21 Start: 19874, Stop: 21028, Start Num: 82

Candidate Starts for PhancyPhin_21:

(31, 19637), (37, 19679), (40, 19709), (45, 19739), (61, 19799), (75, 19853), (Start: 82 @19874 has 14 MA's), (104, 19937), (111, 19955), (131, 20003), (154, 20063), (157, 20072), (Start: 163 @20087 has 33 MA's), (173, 20111), (182, 20135), (186, 20147), (216, 20222), (219, 20231), (229, 20255), (239, 20285), (259, 20330), (261, 20333), (263, 20339), (281, 20369), (283, 20372), (294, 20393), (360, 20552), (382, 20642), (384, 20651), (394, 20681), (402, 20702), (493, 21005),

Gene: Phantasmagoria_33 Start: 32695, Stop: 33858, Start Num: 53

Candidate Starts for Phantasmagoria_33:

(Start: 51 @32689 has 11 MA's), (Start: 53 @32695 has 276 MA's), (67, 32734), (76, 32764), (Start: 91 @32809 has 1 MA's), (Start: 107 @32854 has 59 MA's), (155, 32953), (180, 33013), (192, 33049), (205, 33073), (227, 33118), (229, 33124), (249, 33175), (271, 33214), (274, 33217), (280, 33229), (289, 33244), (315, 33268), (329, 33301), (360, 33382), (370, 33427), (384, 33475), (396, 33511),

(399, 33520), (402, 33526), (478, 33751),

Gene: Pharb_27 Start: 23529, Stop: 24596, Start Num: 105

Candidate Starts for Pharb_27:

(105, 23529), (123, 23565), (Start: 125 @23568 has 1 MA's), (Start: 156 @23634 has 3 MA's), (165, 23661), (185, 23709), (194, 23736), (197, 23748), (207, 23769), (236, 23835), (280, 23919), (303, 23976), (304, 23979), (360, 24111), (361, 24114), (366, 24147), (375, 24162), (401, 24255), (421, 24345),

Gene: Phareon_33 Start: 32078, Stop: 33238, Start Num: 53

Candidate Starts for Phareon_33:

(Start: 53 @32078 has 276 MA's), (Start: 91 @32189 has 1 MA's), (Start: 107 @32234 has 59 MA's), (155, 32333), (180, 32393), (192, 32429), (205, 32453), (227, 32498), (229, 32504), (249, 32555), (271, 32594), (274, 32597), (280, 32609), (289, 32624), (315, 32648), (329, 32681), (360, 32762), (370, 32807), (384, 32855), (396, 32891), (399, 32900), (402, 32906), (478, 33131),

Gene: PhatCats2014_33 Start: 32383, Stop: 33543, Start Num: 53

Candidate Starts for PhatCats2014_33:

(Start: 53 @32383 has 276 MA's), (Start: 91 @32494 has 1 MA's), (Start: 107 @32539 has 59 MA's), (155, 32638), (180, 32698), (192, 32734), (205, 32758), (227, 32803), (229, 32809), (249, 32860), (271, 32899), (274, 32902), (280, 32914), (289, 32929), (315, 32953), (329, 32986), (360, 33067), (370, 33112), (384, 33160), (396, 33196), (399, 33205), (402, 33211), (478, 33436),

Gene: PhatLouie_33 Start: 32372, Stop: 33532, Start Num: 53

Candidate Starts for PhatLouie_33:

(Start: 53 @32372 has 276 MA's), (Start: 91 @32483 has 1 MA's), (Start: 107 @32528 has 59 MA's), (155, 32627), (180, 32687), (192, 32723), (205, 32747), (227, 32792), (229, 32798), (249, 32849), (271, 32888), (274, 32891), (280, 32903), (315, 32942), (329, 32975), (360, 33056), (384, 33149), (396, 33185), (399, 33194), (402, 33200), (478, 33425),

Gene: Phelemich_32 Start: 32856, Stop: 34361, Start Num: 14

Candidate Starts for Phelemich_32:

(Start: 14 @32856 has 8 MA's), (21, 32895), (30, 32967), (33, 32994), (39, 33045), (42, 33060), (44, 33072), (49, 33102), (57, 33123), (60, 33132), (92, 33234), (94, 33237), (119, 33309), (141, 33360), (152, 33387), (Start: 163 @33414 has 33 MA's), (184, 33465), (196, 33501), (202, 33516), (217, 33555), (222, 33570), (253, 33645), (280, 33690), (284, 33696), (289, 33705), (331, 33777), (339, 33801), (344, 33828), (354, 33867), (362, 33903), (464, 34221), (468, 34227), (495, 34347),

Gene: PhelpsODU_28 Start: 22720, Stop: 23781, Start Num: 107

Candidate Starts for PhelpsODU_28:

(69, 22630), (84, 22687), (Start: 107 @22720 has 59 MA's), (154, 22819), (194, 22927), (197, 22939), (207, 22960), (248, 23056), (304, 23170), (328, 23221), (366, 23338), (442, 23581), (448, 23599), (464, 23638),

Gene: PhenghisKhan_32 Start: 31978, Stop: 33138, Start Num: 53

Candidate Starts for PhenghisKhan_32:

(Start: 53 @31978 has 276 MA's), (Start: 91 @32089 has 1 MA's), (Start: 107 @32134 has 59 MA's), (155, 32233), (180, 32293), (192, 32329), (205, 32353), (227, 32398), (229, 32404), (249, 32455), (271, 32494), (274, 32497), (280, 32509), (315, 32548), (329, 32581), (360, 32662), (384, 32755), (396, 32791), (399, 32800), (402, 32806), (478, 33031),

Gene: Pherdinand_33 Start: 32374, Stop: 33534, Start Num: 53

Candidate Starts for Pherdinand_33:

(Start: 53 @32374 has 276 MA's), (Start: 91 @32485 has 1 MA's), (Start: 107 @32530 has 59 MA's), (155, 32629), (180, 32689), (192, 32725), (205, 32749), (227, 32794), (229, 32800), (249, 32851), (271, 32890), (274, 32893), (280, 32905), (289, 32920), (315, 32944), (329, 32977), (360, 33058), (370, 33103), (384, 33151), (396, 33187), (399, 33196), (402, 33202), (478, 33427),

Gene: Phergie_32 Start: 31969, Stop: 33129, Start Num: 53

Candidate Starts for Phergie_32:

(Start: 53 @31969 has 276 MA's), (Start: 91 @32080 has 1 MA's), (Start: 107 @32125 has 59 MA's), (155, 32224), (180, 32284), (192, 32320), (205, 32344), (227, 32389), (229, 32395), (249, 32446), (271, 32485), (274, 32488), (280, 32500), (315, 32539), (329, 32572), (360, 32653), (384, 32746), (396, 32782), (399, 32791), (402, 32797), (478, 33022),

Gene: Philly_32 Start: 32073, Stop: 33275, Start Num: 56

Candidate Starts for Philly_32:

(Start: 56 @32073 has 99 MA's), (119, 32250), (126, 32259), (130, 32268), (147, 32307), (150, 32316), (158, 32334), (165, 32352), (173, 32370), (176, 32376), (181, 32388), (187, 32406), (192, 32421), (210, 32454), (222, 32481), (241, 32526), (284, 32607), (298, 32634), (316, 32652), (324, 32670), (339, 32712), (342, 32736), (362, 32811), (366, 32841), (384, 32901), (389, 32913), (394, 32931), (418, 33033), (464, 33138), (468, 33144), (472, 33162), (492, 33249),

Gene: Phipps_33 Start: 32345, Stop: 33505, Start Num: 53

Candidate Starts for Phipps_33:

(Start: 53 @32345 has 276 MA's), (Start: 91 @32456 has 1 MA's), (Start: 107 @32501 has 59 MA's), (155, 32600), (180, 32660), (192, 32696), (205, 32720), (227, 32765), (229, 32771), (249, 32822), (271, 32861), (274, 32864), (280, 32876), (315, 32915), (329, 32948), (360, 33029), (370, 33074), (384, 33122), (396, 33158), (399, 33167), (402, 33173), (478, 33398),

Gene: Phishy_30 Start: 26793, Stop: 27842, Start Num: 102

Candidate Starts for Phishy_30:

(Start: 102 @26793 has 5 MA's), (187, 27003), (223, 27081), (270, 27189), (350, 27339), (352, 27351), (356, 27366), (404, 27543), (423, 27618),

Gene: Phleuron_32 Start: 31975, Stop: 33135, Start Num: 53

Candidate Starts for Phleuron_32:

(Start: 53 @31975 has 276 MA's), (Start: 91 @32086 has 1 MA's), (Start: 107 @32131 has 59 MA's), (155, 32230), (180, 32290), (192, 32326), (205, 32350), (227, 32395), (229, 32401), (249, 32452), (271, 32491), (274, 32494), (280, 32506), (315, 32545), (329, 32578), (360, 32659), (370, 32704), (384, 32752), (396, 32788), (399, 32797), (402, 32803), (478, 33028),

Gene: Phloss_21 Start: 20203, Stop: 21360, Start Num: 82

Candidate Starts for Phloss_21:

(Start: 82 @20203 has 14 MA's), (111, 20284), (131, 20332), (154, 20392), (157, 20401), (Start: 163 @20416 has 33 MA's), (173, 20440), (182, 20464), (186, 20476), (209, 20536), (216, 20551), (219, 20560), (229, 20584), (235, 20599), (239, 20614), (281, 20698), (283, 20701), (294, 20722), (302, 20743), (305, 20752), (311, 20764), (317, 20773), (402, 21034), (418, 21103), (493, 21337),

Gene: Phlyer_33 Start: 32957, Stop: 34159, Start Num: 56

Candidate Starts for Phlyer_33:

(Start: 56 @32957 has 99 MA's), (66, 32990), (119, 33134), (126, 33143), (130, 33152), (147, 33191), (150, 33200), (158, 33218), (165, 33236), (173, 33254), (176, 33260), (181, 33272), (187, 33290), (192, 33305), (210, 33338), (222, 33365), (241, 33410), (284, 33491), (298, 33518), (316, 33536), (324, 33554), (339, 33596), (366, 33725), (394, 33815), (418, 33917), (443, 33974), (446, 33983), (464, 34022), (480, 34094), (493, 34136),

Gene: Phrank_28 Start: 22670, Stop: 23731, Start Num: 107

Candidate Starts for Phrank_28:

(Start: 107 @22670 has 59 MA's), (144, 22748), (145, 22751), (154, 22769), (194, 22877), (204, 22904), (207, 22910), (248, 23006), (253, 23018), (304, 23120), (328, 23171), (366, 23288), (442, 23531), (448, 23549), (464, 23588),

Gene: PhrankReynolds_32 Start: 31975, Stop: 33135, Start Num: 53

Candidate Starts for PhrankReynolds_32:

(Start: 53 @31975 has 276 MA's), (Start: 91 @32086 has 1 MA's), (Start: 107 @32131 has 59 MA's), (155, 32230), (180, 32290), (192, 32326), (205, 32350), (227, 32395), (229, 32401), (249, 32452), (271, 32491), (274, 32494), (280, 32506), (315, 32545), (329, 32578), (360, 32659), (384, 32752), (396, 32788), (399, 32797), (402, 32803), (478, 33028),

Gene: PhrodoBaggins_32 Start: 32362, Stop: 33522, Start Num: 53

Candidate Starts for PhrodoBaggins_32:

(Start: 53 @32362 has 276 MA's), (Start: 91 @32473 has 1 MA's), (Start: 107 @32518 has 59 MA's), (155, 32617), (180, 32677), (192, 32713), (205, 32737), (227, 32782), (229, 32788), (249, 32839), (271, 32878), (274, 32881), (280, 32893), (315, 32932), (329, 32965), (360, 33046), (370, 33091), (384, 33139), (396, 33175), (399, 33184), (402, 33190), (478, 33415),

Gene: Phunky_33 Start: 32375, Stop: 33535, Start Num: 53

Candidate Starts for Phunky_33:

(Start: 53 @32375 has 276 MA's), (Start: 91 @32486 has 1 MA's), (Start: 107 @32531 has 59 MA's), (155, 32630), (180, 32690), (192, 32726), (205, 32750), (227, 32795), (229, 32801), (249, 32852), (271, 32891), (274, 32894), (280, 32906), (289, 32921), (315, 32945), (329, 32978), (360, 33059), (370, 33104), (384, 33152), (396, 33188), (399, 33197), (402, 33203), (478, 33428),

Gene: Piatt_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Piatt_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (Start: 156 @23467 has 3 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (390, 23992), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Piglet_0032 Start: 32482, Stop: 33642, Start Num: 53

Candidate Starts for Piglet_0032:

(Start: 53 @32482 has 276 MA's), (Start: 91 @32593 has 1 MA's), (Start: 107 @32638 has 59 MA's), (155, 32737), (180, 32797), (192, 32833), (205, 32857), (227, 32902), (229, 32908), (249, 32959), (271, 32998), (274, 33001), (280, 33013), (289, 33028), (315, 33052), (329, 33085), (360, 33166), (370, 33211), (384, 33259), (396, 33295), (399, 33304), (402, 33310), (478, 33535),

Gene: PinheadLarry_33 Start: 32088, Stop: 33248, Start Num: 53

Candidate Starts for PinheadLarry_33:

(Start: 53 @32088 has 276 MA's), (Start: 91 @32199 has 1 MA's), (Start: 107 @32244 has 59 MA's), (155, 32343), (180, 32403), (192, 32439), (205, 32463), (227, 32508), (229, 32514), (249, 32565), (271, 32604), (274, 32607), (280, 32619), (315, 32658), (329, 32691), (360, 32772), (370, 32817), (384, 32865), (396, 32901), (399, 32910), (402, 32916), (478, 33141),

Gene: Pinkman_32 Start: 31931, Stop: 33091, Start Num: 53

Candidate Starts for Pinkman_32:

(Start: 53 @31931 has 276 MA's), (Start: 91 @32042 has 1 MA's), (Start: 107 @32087 has 59 MA's), (155, 32186), (180, 32246), (192, 32282), (205, 32306), (227, 32351), (229, 32357), (249, 32408), (271, 32447), (274, 32450), (280, 32462), (289, 32477), (315, 32501), (329, 32534), (360, 32615),

(370, 32660), (384, 32708), (396, 32744), (399, 32753), (402, 32759), (478, 32984),

Gene: Pipsqueak_33 Start: 32373, Stop: 33533, Start Num: 53

Candidate Starts for Pipsqueak_33:

(Start: 53 @32373 has 276 MA's), (Start: 91 @32484 has 1 MA's), (Start: 107 @32529 has 59 MA's), (155, 32628), (180, 32688), (192, 32724), (205, 32748), (227, 32793), (229, 32799), (249, 32850), (271, 32889), (274, 32892), (280, 32904), (289, 32919), (315, 32943), (329, 32976), (360, 33057), (370, 33102), (384, 33150), (396, 33186), (399, 33195), (402, 33201), (478, 33426),

Gene: Pixie_28 Start: 23724, Stop: 24788, Start Num: 107

Candidate Starts for Pixie_28:

(9, 23172), (10, 23238), (11, 23301), (13, 23313), (15, 23334), (22, 23376), (43, 23535), (69, 23634), (84, 23691), (Start: 107 @23724 has 59 MA's), (165, 23856), (167, 23862), (194, 23931), (196, 23937), (222, 23997), (232, 24018), (237, 24033), (279, 24111), (360, 24303), (366, 24339), (381, 24387), (394, 24429), (430, 24555),

Gene: Placalicious_32 Start: 32066, Stop: 33226, Start Num: 53

Candidate Starts for Placalicious_32:

(Start: 53 @32066 has 276 MA's), (Start: 91 @32177 has 1 MA's), (Start: 107 @32222 has 59 MA's), (155, 32321), (180, 32381), (192, 32417), (205, 32441), (227, 32486), (229, 32492), (249, 32543), (271, 32582), (274, 32585), (280, 32597), (289, 32612), (315, 32636), (329, 32669), (360, 32750), (370, 32795), (384, 32843), (396, 32879), (399, 32888), (402, 32894), (478, 33119),

Gene: Plmatters_33 Start: 32372, Stop: 33532, Start Num: 53

Candidate Starts for Plmatters_33:

(Start: 53 @32372 has 276 MA's), (Start: 91 @32483 has 1 MA's), (Start: 107 @32528 has 59 MA's), (155, 32627), (180, 32687), (192, 32723), (205, 32747), (227, 32792), (229, 32798), (249, 32849), (271, 32888), (274, 32891), (280, 32903), (315, 32942), (329, 32975), (360, 33056), (370, 33101), (384, 33149), (396, 33185), (399, 33194), (402, 33200), (478, 33425),

Gene: Podrick_33 Start: 32363, Stop: 33523, Start Num: 53

Candidate Starts for Podrick_33:

(Start: 53 @32363 has 276 MA's), (Start: 91 @32474 has 1 MA's), (Start: 107 @32519 has 59 MA's), (155, 32618), (180, 32678), (192, 32714), (205, 32738), (227, 32783), (229, 32789), (249, 32840), (271, 32879), (274, 32882), (280, 32894), (315, 32933), (329, 32966), (360, 33047), (370, 33092), (384, 33140), (396, 33176), (399, 33185), (402, 33191), (478, 33416),

Gene: Pokerus_27 Start: 23273, Stop: 24286, Start Num: 106

Candidate Starts for Pokerus_27:

(12, 22829), (Start: 90 @23228 has 1 MA's), (Start: 106 @23273 has 87 MA's), (Start: 156 @23384 has 3 MA's), (197, 23498), (248, 23615), (273, 23657), (280, 23669), (329, 23723), (360, 23801), (384, 23897), (390, 23909), (398, 23939), (402, 23948), (434, 24062), (464, 24131),

Gene: Poland_36 Start: 38011, Stop: 38913, Start Num: 163

Candidate Starts for Poland_36:

(Start: 163 @38011 has 33 MA's), (207, 38116), (222, 38146), (238, 38176), (243, 38188), (290, 38272), (310, 38320), (330, 38356), (361, 38437), (379, 38491), (401, 38581), (450, 38728), (494, 38896),

Gene: Pops_33 Start: 32387, Stop: 33547, Start Num: 53

Candidate Starts for Pops_33:

(Start: 53 @32387 has 276 MA's), (Start: 91 @32498 has 1 MA's), (Start: 107 @32543 has 59 MA's), (155, 32642), (180, 32702), (192, 32738), (205, 32762), (227, 32807), (229, 32813), (249, 32864),

(271, 32903), (274, 32906), (280, 32918), (289, 32933), (315, 32957), (329, 32990), (360, 33071), (370, 33116), (384, 33164), (396, 33200), (399, 33209), (402, 33215), (478, 33440),

Gene: Poster_29 Start: 31578, Stop: 32735, Start Num: 56

Candidate Starts for Poster_29:

(Start: 56 @31578 has 99 MA's), (85, 31671), (Start: 91 @31686 has 1 MA's), (97, 31701), (100, 31713), (Start: 107 @31731 has 59 MA's), (150, 31821), (171, 31872), (176, 31881), (179, 31887), (183, 31899), (192, 31926), (206, 31941), (210, 31947), (214, 31953), (231, 31986), (235, 31995), (247, 32028), (279, 32061), (338, 32151), (339, 32157), (361, 32256), (362, 32259), (402, 32403), (449, 32556),

Gene: Potter_32 Start: 32087, Stop: 33247, Start Num: 53

Candidate Starts for Potter_32:

(Start: 53 @32087 has 276 MA's), (Start: 91 @32198 has 1 MA's), (Start: 107 @32243 has 59 MA's), (155, 32342), (180, 32402), (192, 32438), (205, 32462), (227, 32507), (229, 32513), (249, 32564), (271, 32603), (274, 32606), (280, 32618), (315, 32657), (329, 32690), (360, 32771), (384, 32864), (396, 32900), (399, 32909), (402, 32915), (478, 33140),

Gene: Prickles_33 Start: 32363, Stop: 33523, Start Num: 53

Candidate Starts for Prickles_33:

(Start: 53 @32363 has 276 MA's), (Start: 91 @32474 has 1 MA's), (Start: 107 @32519 has 59 MA's), (155, 32618), (180, 32678), (192, 32714), (205, 32738), (227, 32783), (229, 32789), (249, 32840), (271, 32879), (274, 32882), (280, 32894), (289, 32909), (315, 32933), (329, 32966), (360, 33047), (370, 33092), (384, 33140), (396, 33176), (399, 33185), (402, 33191), (478, 33416),

Gene: Prince_31 Start: 32761, Stop: 33918, Start Num: 56

Candidate Starts for Prince_31:

(Start: 56 @32761 has 99 MA's), (85, 32854), (Start: 91 @32869 has 1 MA's), (97, 32884), (100, 32896), (Start: 107 @32914 has 59 MA's), (132, 32956), (150, 33004), (171, 33055), (176, 33064), (183, 33082), (192, 33109), (206, 33124), (210, 33130), (214, 33136), (217, 33142), (231, 33169), (235, 33178), (247, 33211), (279, 33244), (321, 33304), (338, 33334), (339, 33340), (349, 33385), (361, 33439), (362, 33442), (402, 33586), (449, 33739),

Gene: Prithvi_28 Start: 23290, Stop: 24303, Start Num: 106

Candidate Starts for Prithvi_28:

(Start: 90 @23245 has 1 MA's), (Start: 106 @23290 has 87 MA's), (Start: 156 @23401 has 3 MA's), (197, 23515), (248, 23632), (273, 23674), (280, 23686), (329, 23740), (360, 23818), (381, 23902), (384, 23914), (390, 23926), (402, 23965), (487, 24244),

Gene: ProfessorX_33 Start: 32358, Stop: 33518, Start Num: 53

Candidate Starts for ProfessorX_33:

(Start: 53 @32358 has 276 MA's), (Start: 91 @32469 has 1 MA's), (Start: 107 @32514 has 59 MA's), (155, 32613), (180, 32673), (192, 32709), (205, 32733), (227, 32778), (229, 32784), (249, 32835), (271, 32874), (274, 32877), (280, 32889), (315, 32928), (329, 32961), (360, 33042), (370, 33087), (384, 33135), (396, 33171), (399, 33180), (402, 33186), (478, 33411),

Gene: Puhltonio_33 Start: 32379, Stop: 33539, Start Num: 53

Candidate Starts for Puhltonio_33:

(Start: 53 @32379 has 276 MA's), (Start: 91 @32490 has 1 MA's), (Start: 107 @32535 has 59 MA's), (155, 32634), (180, 32694), (192, 32730), (205, 32754), (227, 32799), (229, 32805), (249, 32856), (271, 32895), (274, 32898), (280, 32910), (315, 32949), (329, 32982), (360, 33063), (370, 33108), (384, 33156), (396, 33192), (399, 33201), (402, 33207), (478, 33432),

Gene: Pupper_126 Start: 83200, Stop: 84090, Start Num: 163

Candidate Starts for Pupper_126:

(Start: 163 @83200 has 33 MA's), (296, 83473), (402, 83770), (421, 83839), (464, 83935),

Gene: Purgamenstris_21 Start: 19877, Stop: 21031, Start Num: 82

Candidate Starts for Purgamenstris_21:

(31, 19640), (37, 19682), (40, 19712), (45, 19742), (61, 19802), (75, 19856), (Start: 82 @19877 has 14 MA's), (104, 19940), (111, 19958), (131, 20006), (154, 20066), (157, 20075), (Start: 163 @20090 has 33 MA's), (173, 20114), (182, 20138), (186, 20150), (216, 20225), (219, 20234), (229, 20258), (239, 20288), (259, 20333), (261, 20336), (263, 20342), (281, 20372), (283, 20375), (294, 20396), (360, 20555), (382, 20645), (384, 20654), (394, 20684), (402, 20705), (493, 21008),

Gene: QueenBeane_33 Start: 32369, Stop: 33529, Start Num: 53

Candidate Starts for QueenBeane_33:

(Start: 53 @32369 has 276 MA's), (Start: 91 @32480 has 1 MA's), (Start: 107 @32525 has 59 MA's), (155, 32624), (180, 32684), (192, 32720), (205, 32744), (227, 32789), (229, 32795), (249, 32846), (271, 32885), (274, 32888), (280, 32900), (289, 32915), (315, 32939), (329, 32972), (360, 33053), (370, 33098), (384, 33146), (396, 33182), (399, 33191), (402, 33197), (478, 33422),

Gene: Quesadilla_32 Start: 33335, Stop: 34516, Start Num: 52

Candidate Starts for Quesadilla_32:

(46, 33302), (Start: 52 @33335 has 8 MA's), (Start: 91 @33452 has 1 MA's), (97, 33467), (Start: 101 @33473 has 21 MA's), (127, 33533), (147, 33581), (157, 33605), (176, 33650), (190, 33689), (194, 33701), (201, 33710), (210, 33728), (231, 33770), (236, 33785), (250, 33824), (253, 33830), (283, 33875), (288, 33881), (324, 33926), (363, 34028),

Gene: QuincyRose_27 Start: 23336, Stop: 24349, Start Num: 106

Candidate Starts for QuincyRose_27:

(12, 22892), (Start: 90 @23291 has 1 MA's), (Start: 106 @23336 has 87 MA's), (Start: 156 @23447 has 3 MA's), (197, 23561), (248, 23678), (273, 23720), (280, 23732), (324, 23771), (329, 23786), (360, 23864), (381, 23948), (384, 23960), (390, 23972), (402, 24011), (434, 24125), (464, 24194),

Gene: Quisquilliae_33 Start: 32397, Stop: 33557, Start Num: 53

Candidate Starts for Quisquilliae_33:

(Start: 53 @32397 has 276 MA's), (Start: 91 @32508 has 1 MA's), (Start: 107 @32553 has 59 MA's), (155, 32652), (180, 32712), (192, 32748), (205, 32772), (227, 32817), (229, 32823), (249, 32874), (271, 32913), (274, 32916), (280, 32928), (315, 32967), (329, 33000), (360, 33081), (370, 33126), (384, 33174), (396, 33210), (399, 33219), (402, 33225), (478, 33450),

Gene: Qyrzula_31 Start: 32776, Stop: 33981, Start Num: 53

Candidate Starts for Qyrzula_31:

(29, 32632), (Start: 51 @32773 has 11 MA's), (Start: 53 @32776 has 276 MA's), (74, 32845), (100, 32914), (114, 32944), (119, 32956), (124, 32962), (126, 32965), (130, 32974), (147, 33013), (150, 33022), (Start: 156 @33034 has 3 MA's), (180, 33091), (187, 33112), (192, 33127), (217, 33172), (222, 33187), (241, 33232), (277, 33301), (292, 33328), (312, 33352), (332, 33397), (339, 33418), (342, 33442), (362, 33517), (366, 33547), (384, 33607), (389, 33619), (394, 33637), (418, 33739), (464, 33844), (468, 33850), (472, 33868), (483, 33919), (492, 33955),

Gene: RagingRooster_33 Start: 32223, Stop: 33425, Start Num: 56

Candidate Starts for RagingRooster_33:

(Start: 56 @32223 has 99 MA's), (66, 32256), (119, 32400), (126, 32409), (130, 32418), (147, 32457), (150, 32466), (158, 32484), (165, 32502), (173, 32520), (176, 32526), (181, 32538), (187, 32556), (192, 32571), (210, 32604), (222, 32631), (241, 32676), (284, 32757), (298, 32784), (316, 32802),

(324, 32820), (339, 32862), (342, 32886), (362, 32961), (366, 32991), (384, 33051), (389, 33063), (394, 33081), (418, 33183), (464, 33288), (468, 33294), (472, 33312), (492, 33399),

Gene: Ramen_28 Start: 23322, Stop: 24335, Start Num: 106

Candidate Starts for Ramen_28:

(12, 22878), (Start: 90 @23277 has 1 MA's), (Start: 106 @23322 has 87 MA's), (Start: 156 @23433 has 3 MA's), (197, 23547), (248, 23664), (273, 23706), (280, 23718), (329, 23772), (360, 23850), (384, 23946), (398, 23988), (402, 23997), (434, 24111), (464, 24180),

Gene: Ranch_33 Start: 28024, Stop: 29073, Start Num: 101

Candidate Starts for Ranch_33:

(Start: 101 @28024 has 21 MA's), (148, 28138), (164, 28180), (187, 28234), (192, 28249), (223, 28312), (336, 28537), (385, 28708), (469, 28936), (477, 28981),

Gene: Rapunzel97_28 Start: 23323, Stop: 24336, Start Num: 106

Candidate Starts for Rapunzel97_28:

(12, 22879), (32, 23026), (Start: 90 @23278 has 1 MA's), (Start: 106 @23323 has 87 MA's), (Start: 156 @23434 has 3 MA's), (197, 23548), (248, 23665), (273, 23707), (280, 23719), (329, 23773), (360, 23851), (384, 23947), (390, 23959), (398, 23989), (402, 23998), (434, 24112), (464, 24181),

Gene: RavenCo17_26 Start: 23835, Stop: 24911, Start Num: 102

Candidate Starts for RavenCo17_26:

(59, 23700), (Start: 102 @23835 has 5 MA's), (158, 23973), (187, 24045), (200, 24075), (266, 24225), (275, 24237), (300, 24279), (312, 24291), (336, 24348), (356, 24399), (376, 24471), (399, 24564), (458, 24726), (489, 24867),

Gene: RawrgerThat_30 Start: 32607, Stop: 33764, Start Num: 56

Candidate Starts for RawrgerThat_30:

(Start: 56 @32607 has 99 MA's), (85, 32700), (Start: 91 @32715 has 1 MA's), (97, 32730), (100, 32742), (Start: 107 @32760 has 59 MA's), (132, 32802), (171, 32901), (176, 32910), (183, 32928), (192, 32955), (206, 32970), (210, 32976), (214, 32982), (217, 32988), (231, 33015), (235, 33024), (247, 33057), (279, 33090), (338, 33180), (339, 33186), (361, 33285), (362, 33288), (402, 33432), (449, 33585),

Gene: RedMaple_32 Start: 32376, Stop: 33536, Start Num: 53

Candidate Starts for RedMaple_32:

(Start: 53 @32376 has 276 MA's), (Start: 91 @32487 has 1 MA's), (Start: 107 @32532 has 59 MA's), (155, 32631), (180, 32691), (192, 32727), (205, 32751), (227, 32796), (229, 32802), (249, 32853), (271, 32892), (274, 32895), (280, 32907), (315, 32946), (329, 32979), (360, 33060), (370, 33105), (384, 33153), (396, 33189), (399, 33198), (402, 33204), (478, 33429),

Gene: Redi_21 Start: 19877, Stop: 21031, Start Num: 82

Candidate Starts for Redi_21:

(31, 19640), (37, 19682), (40, 19712), (45, 19742), (61, 19802), (75, 19856), (Start: 82 @19877 has 14 MA's), (104, 19940), (111, 19958), (131, 20006), (154, 20066), (157, 20075), (Start: 163 @20090 has 33 MA's), (173, 20114), (182, 20138), (186, 20150), (216, 20225), (219, 20234), (229, 20258), (239, 20288), (259, 20333), (261, 20336), (263, 20342), (281, 20372), (283, 20375), (294, 20396), (360, 20555), (382, 20645), (384, 20654), (394, 20684), (402, 20705), (493, 21008),

Gene: Reprobate_32 Start: 32861, Stop: 34366, Start Num: 14

Candidate Starts for Reprobate_32:

(Start: 14 @32861 has 8 MA's), (21, 32900), (30, 32972), (33, 32999), (39, 33050), (42, 33065), (44, 33077), (49, 33107), (57, 33128), (60, 33137), (92, 33239), (94, 33242), (119, 33314), (141, 33365),

(152, 33392), (Start: 163 @33419 has 33 MA's), (184, 33470), (196, 33506), (202, 33521), (217, 33560), (222, 33575), (253, 33650), (280, 33695), (284, 33701), (289, 33710), (331, 33782), (339, 33806), (344, 33833), (354, 33872), (362, 33908), (464, 34226), (468, 34232), (495, 34352),

Gene: Reptar3000_29 Start: 24320, Stop: 25324, Start Num: 107

Candidate Starts for Reptar3000_29:

(Start: 107 @24320 has 59 MA's), (181, 24488), (196, 24533), (197, 24539), (222, 24593), (227, 24602), (261, 24683), (276, 24704), (280, 24713), (360, 24845), (361, 24848), (399, 24986), (413, 25055), (484, 25259),

Gene: Rhinoforte_33 Start: 32804, Stop: 33967, Start Num: 53

Candidate Starts for Rhinoforte_33:

(28, 32657), (Start: 51 @32798 has 11 MA's), (Start: 53 @32804 has 276 MA's), (67, 32843), (76, 32873), (Start: 91 @32918 has 1 MA's), (Start: 107 @32963 has 59 MA's), (155, 33062), (180, 33122), (192, 33158), (205, 33182), (227, 33227), (229, 33233), (249, 33284), (271, 33323), (274, 33326), (280, 33338), (289, 33353), (315, 33377), (329, 33410), (360, 33491), (370, 33536), (384, 33584), (396, 33620), (399, 33629), (402, 33635), (413, 33695), (478, 33860),

Gene: Rich_31 Start: 32367, Stop: 33872, Start Num: 14

Candidate Starts for Rich_31:

(Start: 14 @32367 has 8 MA's), (16, 32385), (21, 32406), (26, 32460), (30, 32478), (36, 32529), (39, 32556), (42, 32571), (141, 32871), (152, 32898), (Start: 163 @32925 has 33 MA's), (189, 32991), (196, 33012), (202, 33027), (217, 33066), (253, 33156), (269, 33183), (276, 33192), (289, 33216), (339, 33312), (344, 33339), (354, 33378), (362, 33414), (394, 33537), (422, 33642), (468, 33738), (472, 33756), (495, 33858),

Gene: Ricotta_33 Start: 32096, Stop: 33256, Start Num: 53

Candidate Starts for Ricotta_33:

(Start: 53 @32096 has 276 MA's), (Start: 91 @32207 has 1 MA's), (Start: 107 @32252 has 59 MA's), (155, 32351), (180, 32411), (192, 32447), (205, 32471), (227, 32516), (229, 32522), (249, 32573), (271, 32612), (274, 32615), (280, 32627), (289, 32642), (315, 32666), (329, 32699), (360, 32780), (370, 32825), (384, 32873), (396, 32909), (399, 32918), (402, 32924), (478, 33149),

Gene: Riggan_33 Start: 32356, Stop: 33516, Start Num: 53

Candidate Starts for Riggan_33:

(Start: 53 @32356 has 276 MA's), (Start: 91 @32467 has 1 MA's), (Start: 107 @32512 has 59 MA's), (155, 32611), (180, 32671), (192, 32707), (205, 32731), (227, 32776), (229, 32782), (249, 32833), (271, 32872), (274, 32875), (280, 32887), (315, 32926), (329, 32959), (360, 33040), (370, 33085), (384, 33133), (396, 33169), (399, 33178), (402, 33184), (478, 33409),

Gene: Rimu_34 Start: 32105, Stop: 33265, Start Num: 53

Candidate Starts for Rimu_34:

(Start: 53 @32105 has 276 MA's), (Start: 91 @32216 has 1 MA's), (Start: 107 @32261 has 59 MA's), (155, 32360), (180, 32420), (192, 32456), (205, 32480), (227, 32525), (229, 32531), (249, 32582), (271, 32621), (274, 32624), (280, 32636), (289, 32651), (315, 32675), (329, 32708), (360, 32789), (370, 32834), (384, 32882), (396, 32918), (399, 32927), (402, 32933), (478, 33158),

Gene: Rita1961_33 Start: 32206, Stop: 33408, Start Num: 56

Candidate Starts for Rita1961_33:

(Start: 56 @32206 has 99 MA's), (66, 32239), (119, 32383), (126, 32392), (130, 32401), (147, 32440), (150, 32449), (158, 32467), (180, 32518), (183, 32527), (187, 32539), (189, 32545), (192, 32554), (217, 32599), (222, 32614), (241, 32659), (277, 32728), (286, 32743), (292, 32755), (312, 32779), (333, 32827), (335, 32833), (338, 32839), (339, 32845), (342, 32869), (362, 32944), (366, 32974),

(384, 33034), (389, 33046), (394, 33064), (417, 33163), (418, 33166), (464, 33271), (468, 33277),
(472, 33295), (492, 33382),

Gene: Robyn_32 Start: 31940, Stop: 33100, Start Num: 53

Candidate Starts for Robyn_32:

(Start: 53 @31940 has 276 MA's), (Start: 91 @32051 has 1 MA's), (Start: 107 @32096 has 59 MA's),
(155, 32195), (180, 32255), (192, 32291), (205, 32315), (227, 32360), (229, 32366), (249, 32417),
(271, 32456), (274, 32459), (280, 32471), (315, 32510), (329, 32543), (360, 32624), (370, 32669),
(384, 32717), (396, 32753), (399, 32762), (402, 32768), (478, 32993),

Gene: Roliet_33 Start: 32365, Stop: 33525, Start Num: 53

Candidate Starts for Roliet_33:

(Start: 53 @32365 has 276 MA's), (Start: 91 @32476 has 1 MA's), (Start: 107 @32521 has 59 MA's),
(155, 32620), (180, 32680), (192, 32716), (205, 32740), (227, 32785), (229, 32791), (249, 32842),
(271, 32881), (274, 32884), (280, 32896), (289, 32911), (315, 32935), (329, 32968), (360, 33049),
(370, 33094), (384, 33142), (396, 33178), (399, 33187), (402, 33193), (478, 33418),

Gene: RomaT_33 Start: 32996, Stop: 34198, Start Num: 56

Candidate Starts for RomaT_33:

(Start: 56 @32996 has 99 MA's), (66, 33029), (119, 33173), (126, 33182), (130, 33191), (147, 33230),
(150, 33239), (158, 33257), (165, 33275), (173, 33293), (176, 33299), (181, 33311), (187, 33329),
(192, 33344), (210, 33377), (222, 33404), (241, 33449), (284, 33530), (298, 33557), (316, 33575),
(324, 33593), (339, 33635), (342, 33659), (362, 33734), (366, 33764), (384, 33824), (389, 33836),
(394, 33854), (418, 33956), (464, 34061), (468, 34067), (472, 34085), (492, 34172),

Gene: Roscoe_34 Start: 32603, Stop: 33763, Start Num: 53

Candidate Starts for Roscoe_34:

(Start: 53 @32603 has 276 MA's), (Start: 91 @32714 has 1 MA's), (Start: 107 @32759 has 59 MA's),
(155, 32858), (180, 32918), (192, 32954), (205, 32978), (227, 33023), (229, 33029), (249, 33080),
(271, 33119), (274, 33122), (280, 33134), (315, 33173), (329, 33206), (360, 33287), (370, 33332),
(384, 33380), (396, 33416), (399, 33425), (402, 33431), (478, 33656),

Gene: Rose5_21 Start: 21688, Stop: 22860, Start Num: 56

Candidate Starts for Rose5_21:

(Start: 54 @21685 has 5 MA's), (Start: 56 @21688 has 99 MA's), (98, 21814), (117, 21856), (123,
21868), (Start: 125 @21871 has 1 MA's), (141, 21904), (145, 21916), (165, 21964), (173, 21982),
(187, 22018), (192, 22033), (219, 22084), (233, 22114), (248, 22156), (260, 22180), (282, 22216),
(286, 22222), (307, 22249), (320, 22267), (349, 22360), (350, 22363), (367, 22447), (406, 22585),
(410, 22603), (439, 22687),

Gene: Rosebush_33 Start: 32811, Stop: 33974, Start Num: 53

Candidate Starts for Rosebush_33:

(28, 32664), (Start: 51 @32805 has 11 MA's), (Start: 53 @32811 has 276 MA's), (67, 32850), (76,
32880), (Start: 91 @32925 has 1 MA's), (Start: 107 @32970 has 59 MA's), (155, 33069), (180, 33129),
(192, 33165), (205, 33189), (227, 33234), (229, 33240), (249, 33291), (271, 33330), (274, 33333),
(280, 33345), (289, 33360), (315, 33384), (329, 33417), (360, 33498), (384, 33591), (396, 33627),
(399, 33636), (402, 33642), (413, 33702), (478, 33867),

Gene: Rosmarinus_28 Start: 23344, Stop: 24357, Start Num: 106

Candidate Starts for Rosmarinus_28:

(12, 22900), (Start: 90 @23299 has 1 MA's), (Start: 106 @23344 has 87 MA's), (197, 23569), (248,
23686), (273, 23728), (280, 23740), (329, 23794), (360, 23872), (384, 23968), (398, 24010), (402,
24019), (434, 24133), (464, 24202),

Gene: Roy17_33 Start: 32069, Stop: 33229, Start Num: 53

Candidate Starts for Roy17_33:

(Start: 53 @32069 has 276 MA's), (Start: 91 @32180 has 1 MA's), (Start: 107 @32225 has 59 MA's), (155, 32324), (180, 32384), (192, 32420), (205, 32444), (227, 32489), (229, 32495), (249, 32546), (271, 32585), (274, 32588), (280, 32600), (289, 32615), (315, 32639), (329, 32672), (360, 32753), (370, 32798), (384, 32846), (396, 32882), (399, 32891), (402, 32897), (478, 33122),

Gene: Rumi_32 Start: 27114, Stop: 28211, Start Num: 101

Candidate Starts for Rumi_32:

(Start: 101 @27114 has 21 MA's), (148, 27228), (188, 27321), (211, 27354), (213, 27357), (215, 27360), (223, 27381), (228, 27393), (246, 27441), (278, 27504), (314, 27558), (351, 27654), (359, 27696), (392, 27822), (414, 27930), (429, 27969), (466, 28056), (496, 28203),

Gene: SCentae_125 Start: 83353, Stop: 84243, Start Num: 163

Candidate Starts for SCentae_125:

(Start: 163 @83353 has 33 MA's), (464, 84088),

Gene: SDcharge11_33 Start: 32343, Stop: 33503, Start Num: 53

Candidate Starts for SDcharge11_33:

(Start: 53 @32343 has 276 MA's), (Start: 91 @32454 has 1 MA's), (Start: 107 @32499 has 59 MA's), (155, 32598), (180, 32658), (192, 32694), (205, 32718), (227, 32763), (229, 32769), (249, 32820), (271, 32859), (274, 32862), (280, 32874), (289, 32889), (315, 32913), (329, 32946), (360, 33027), (370, 33072), (384, 33120), (396, 33156), (399, 33165), (402, 33171), (478, 33396),

Gene: Sabella_33 Start: 32688, Stop: 33851, Start Num: 53

Candidate Starts for Sabella_33:

(28, 32541), (Start: 51 @32682 has 11 MA's), (Start: 53 @32688 has 276 MA's), (67, 32727), (76, 32757), (Start: 91 @32802 has 1 MA's), (Start: 107 @32847 has 59 MA's), (155, 32946), (180, 33006), (192, 33042), (205, 33066), (227, 33111), (229, 33117), (249, 33168), (271, 33207), (274, 33210), (280, 33222), (289, 33237), (315, 33261), (329, 33294), (360, 33375), (384, 33468), (396, 33504), (399, 33513), (402, 33519), (478, 33744),

Gene: Saguaro_32 Start: 33436, Stop: 34548, Start Num: 52

Candidate Starts for Saguaro_32:

(20, 33223), (46, 33406), (Start: 52 @33436 has 8 MA's), (Start: 91 @33550 has 1 MA's), (Start: 103 @33577 has 1 MA's), (116, 33610), (122, 33625), (127, 33631), (147, 33679), (150, 33688), (180, 33757), (187, 33778), (195, 33802), (201, 33808), (235, 33883), (237, 33889), (243, 33907), (247, 33916), (250, 33925), (253, 33931), (347, 34051), (417, 34303), (464, 34411), (467, 34417),

Gene: Samaymay_33 Start: 32369, Stop: 33529, Start Num: 53

Candidate Starts for Samaymay_33:

(Start: 53 @32369 has 276 MA's), (Start: 91 @32480 has 1 MA's), (Start: 107 @32525 has 59 MA's), (155, 32624), (180, 32684), (192, 32720), (205, 32744), (227, 32789), (229, 32795), (249, 32846), (271, 32885), (274, 32888), (280, 32900), (289, 32915), (315, 32939), (329, 32972), (360, 33053), (370, 33098), (384, 33146), (396, 33182), (399, 33191), (402, 33197), (478, 33422),

Gene: Sampudon_33 Start: 30054, Stop: 31103, Start Num: 101

Candidate Starts for Sampudon_33:

(Start: 101 @30054 has 21 MA's), (148, 30168), (157, 30189), (187, 30264), (192, 30279), (223, 30342), (246, 30402), (308, 30504), (336, 30567), (385, 30738), (469, 30966),

Gene: Samty_22 Start: 22250, Stop: 23467, Start Num: 56

Candidate Starts for Samty_22:

(Start: 56 @22250 has 99 MA's), (89, 22352), (96, 22364), (100, 22382), (104, 22391), (123, 22430), (141, 22466), (147, 22481), (149, 22487), (162, 22517), (Start: 163 @22520 has 33 MA's), (179, 22556), (183, 22568), (206, 22619), (207, 22622), (235, 22682), (244, 22709), (251, 22724), (254, 22730), (261, 22742), (295, 22802), (313, 22826), (337, 22886), (361, 22982), (366, 23015), (389, 23087), (396, 23111), (402, 23126), (473, 23339), (476, 23351),

Gene: SamuelLPlaqson_28 Start: 23284, Stop: 24297, Start Num: 106

Candidate Starts for SamuelLPlaqson_28:

(Start: 90 @23239 has 1 MA's), (Start: 106 @23284 has 87 MA's), (Start: 156 @23395 has 3 MA's), (197, 23509), (248, 23626), (273, 23668), (280, 23680), (329, 23734), (360, 23812), (384, 23908), (390, 23920), (402, 23959), (407, 23995), (464, 24142), (487, 24238),

Gene: SassyCat97_32 Start: 32075, Stop: 33235, Start Num: 53

Candidate Starts for SassyCat97_32:

(Start: 53 @32075 has 276 MA's), (Start: 91 @32186 has 1 MA's), (Start: 107 @32231 has 59 MA's), (155, 32330), (180, 32390), (192, 32426), (205, 32450), (227, 32495), (229, 32501), (249, 32552), (271, 32591), (274, 32594), (280, 32606), (315, 32645), (329, 32678), (360, 32759), (370, 32804), (384, 32852), (396, 32888), (399, 32897), (402, 32903), (478, 33128),

Gene: Scarlett_27 Start: 22586, Stop: 23545, Start Num: 107

Candidate Starts for Scarlett_27:

(Start: 107 @22586 has 59 MA's), (177, 22748), (180, 22754), (187, 22775), (189, 22781), (204, 22823), (225, 22868), (242, 22910), (248, 22925), (330, 23033), (362, 23117), (456, 23393),

Gene: Schadenfreude_32 Start: 31926, Stop: 33086, Start Num: 53

Candidate Starts for Schadenfreude_32:

(Start: 53 @31926 has 276 MA's), (Start: 91 @32037 has 1 MA's), (Start: 107 @32082 has 59 MA's), (155, 32181), (180, 32241), (192, 32277), (205, 32301), (227, 32346), (229, 32352), (249, 32403), (271, 32442), (274, 32445), (280, 32457), (315, 32496), (329, 32529), (360, 32610), (370, 32655), (384, 32703), (396, 32739), (399, 32748), (402, 32754), (478, 32979),

Gene: Schueller_33 Start: 32091, Stop: 33251, Start Num: 53

Candidate Starts for Schueller_33:

(Start: 53 @32091 has 276 MA's), (Start: 91 @32202 has 1 MA's), (Start: 107 @32247 has 59 MA's), (155, 32346), (180, 32406), (192, 32442), (205, 32466), (227, 32511), (229, 32517), (249, 32568), (271, 32607), (274, 32610), (280, 32622), (315, 32661), (329, 32694), (360, 32775), (370, 32820), (384, 32868), (396, 32904), (399, 32913), (402, 32919), (478, 33144),

Gene: Scoot17C_33 Start: 32368, Stop: 33528, Start Num: 53

Candidate Starts for Scoot17C_33:

(Start: 53 @32368 has 276 MA's), (Start: 91 @32479 has 1 MA's), (Start: 107 @32524 has 59 MA's), (155, 32623), (180, 32683), (192, 32719), (205, 32743), (227, 32788), (229, 32794), (249, 32845), (271, 32884), (274, 32887), (280, 32899), (289, 32914), (315, 32938), (329, 32971), (360, 33052), (370, 33097), (384, 33145), (396, 33181), (399, 33190), (402, 33196), (478, 33421),

Gene: Scrick_33 Start: 32093, Stop: 33253, Start Num: 53

Candidate Starts for Scrick_33:

(Start: 53 @32093 has 276 MA's), (Start: 91 @32204 has 1 MA's), (Start: 107 @32249 has 59 MA's), (155, 32348), (180, 32408), (192, 32444), (205, 32468), (227, 32513), (229, 32519), (249, 32570), (271, 32609), (274, 32612), (280, 32624), (289, 32639), (315, 32663), (329, 32696), (360, 32777), (370, 32822), (384, 32870), (396, 32906), (399, 32915), (402, 32921), (478, 33146),

Gene: Sejanus_28 Start: 29684, Stop: 30844, Start Num: 53

Candidate Starts for Sejanus_28:

(Start: 53 @29684 has 276 MA's), (65, 29720), (76, 29753), (Start: 91 @29798 has 1 MA's), (Start: 107 @29843 has 59 MA's), (108, 29846), (192, 30038), (205, 30062), (208, 30068), (229, 30113), (231, 30116), (249, 30164), (286, 30227), (288, 30230), (320, 30263), (354, 30338), (360, 30368), (394, 30491), (397, 30500), (399, 30506), (494, 30827),

Gene: Selr12_33 Start: 32097, Stop: 33257, Start Num: 53

Candidate Starts for Selr12_33:

(Start: 53 @32097 has 276 MA's), (Start: 91 @32208 has 1 MA's), (Start: 107 @32253 has 59 MA's), (155, 32352), (180, 32412), (192, 32448), (205, 32472), (227, 32517), (229, 32523), (249, 32574), (271, 32613), (274, 32616), (280, 32628), (289, 32643), (315, 32667), (329, 32700), (360, 32781), (370, 32826), (384, 32874), (396, 32910), (399, 32919), (402, 32925), (478, 33150),

Gene: Serendipitous_31 Start: 32443, Stop: 33945, Start Num: 14

Candidate Starts for Serendipitous_31:

(Start: 14 @32443 has 8 MA's), (16, 32461), (18, 32473), (21, 32482), (26, 32536), (30, 32554), (39, 32632), (42, 32647), (44, 32659), (73, 32767), (88, 32815), (96, 32827), (132, 32920), (141, 32947), (148, 32965), (152, 32974), (Start: 156 @32983 has 3 MA's), (Start: 163 @33001 has 33 MA's), (184, 33052), (189, 33067), (196, 33088), (217, 33139), (250, 33223), (253, 33229), (267, 33253), (280, 33274), (295, 33301), (339, 33385), (344, 33412), (354, 33451), (362, 33487), (417, 33700), (468, 33811), (495, 33931),

Gene: Serendipity_33 Start: 32393, Stop: 33553, Start Num: 53

Candidate Starts for Serendipity_33:

(Start: 53 @32393 has 276 MA's), (Start: 91 @32504 has 1 MA's), (Start: 107 @32549 has 59 MA's), (155, 32648), (180, 32708), (192, 32744), (205, 32768), (227, 32813), (229, 32819), (249, 32870), (271, 32909), (274, 32912), (280, 32924), (289, 32939), (315, 32963), (329, 32996), (360, 33077), (370, 33122), (384, 33170), (396, 33206), (399, 33215), (402, 33221), (478, 33446),

Gene: Serpentine_0033 Start: 32374, Stop: 33534, Start Num: 53

Candidate Starts for Serpentine_0033:

(Start: 53 @32374 has 276 MA's), (Start: 91 @32485 has 1 MA's), (Start: 107 @32530 has 59 MA's), (155, 32629), (180, 32689), (192, 32725), (205, 32749), (227, 32794), (229, 32800), (249, 32851), (271, 32890), (274, 32893), (280, 32905), (289, 32920), (315, 32944), (329, 32977), (360, 33058), (370, 33103), (384, 33151), (396, 33187), (399, 33196), (402, 33202), (478, 33427),

Gene: SgtBeansprout_24 Start: 22900, Stop: 23907, Start Num: 107

Candidate Starts for SgtBeansprout_24:

(87, 22849), (95, 22861), (Start: 107 @22900 has 59 MA's), (138, 22960), (165, 23032), (187, 23086), (194, 23107), (248, 23236), (275, 23281), (277, 23284), (328, 23341), (329, 23344), (353, 23389), (361, 23425), (384, 23521), (390, 23533), (419, 23653), (475, 23785),

Gene: Shadow1_27 Start: 22543, Stop: 23604, Start Num: 107

Candidate Starts for Shadow1_27:

(69, 22453), (Start: 107 @22543 has 59 MA's), (145, 22624), (154, 22642), (194, 22750), (197, 22762), (207, 22783), (248, 22879), (304, 22993), (328, 23044), (366, 23161), (375, 23176), (390, 23233), (402, 23272), (464, 23461),

Gene: Shaobing_28 Start: 22728, Stop: 23693, Start Num: 106

Candidate Starts for Shaobing_28:

(Start: 106 @22728 has 87 MA's), (108, 22734), (172, 22887), (181, 22905), (187, 22923), (197, 22956), (218, 22998), (242, 23058), (248, 23073), (360, 23259), (361, 23262), (380, 23334), (402,

23403), (418, 23451), (423, 23466), (439, 23499), (454, 23538), (481, 23637),

Gene: ShedlockHolmes_28 Start: 23930, Stop: 24949, Start Num: 107

Candidate Starts for ShedlockHolmes_28:

(17, 23549), (19, 23561), (23, 23597), (27, 23621), (43, 23741), (69, 23840), (84, 23897), (Start: 107 @23930 has 59 MA's), (123, 23963), (165, 24062), (167, 24068), (172, 24080), (194, 24137), (196, 24143), (222, 24203), (248, 24266), (252, 24275), (276, 24311), (288, 24332), (293, 24344), (333, 24383), (360, 24452), (385, 24551), (402, 24599), (408, 24635), (431, 24698), (444, 24740), (464, 24788), (476, 24830), (493, 24926),

Gene: Sheila_33 Start: 32411, Stop: 33571, Start Num: 53

Candidate Starts for Sheila_33:

(Start: 53 @32411 has 276 MA's), (Start: 91 @32522 has 1 MA's), (Start: 107 @32567 has 59 MA's), (155, 32666), (180, 32726), (192, 32762), (205, 32786), (227, 32831), (229, 32837), (249, 32888), (271, 32927), (274, 32930), (280, 32942), (289, 32957), (315, 32981), (329, 33014), (360, 33095), (370, 33140), (384, 33188), (396, 33224), (399, 33233), (402, 33239), (478, 33464),

Gene: Shelley_30 Start: 37583, Stop: 38485, Start Num: 163

Candidate Starts for Shelley_30:

(Start: 163 @37583 has 33 MA's), (222, 37721), (255, 37790), (281, 37838), (310, 37901), (330, 37937), (382, 38105), (473, 38357), (493, 38462),

Gene: ShiVal_33 Start: 32367, Stop: 33527, Start Num: 53

Candidate Starts for ShiVal_33:

(Start: 53 @32367 has 276 MA's), (Start: 91 @32478 has 1 MA's), (Start: 107 @32523 has 59 MA's), (155, 32622), (180, 32682), (192, 32718), (205, 32742), (227, 32787), (229, 32793), (249, 32844), (271, 32883), (274, 32886), (280, 32898), (315, 32937), (329, 32970), (360, 33051), (370, 33096), (384, 33144), (396, 33180), (399, 33189), (402, 33195), (478, 33420),

Gene: ShiaSurprise_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for ShiaSurprise_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (Start: 156 @23467 has 3 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (390, 23992), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: ShrimpFriedEgg_21 Start: 19877, Stop: 21031, Start Num: 82

Candidate Starts for ShrimpFriedEgg_21:

(31, 19640), (37, 19682), (40, 19712), (45, 19742), (61, 19802), (75, 19856), (Start: 82 @19877 has 14 MA's), (104, 19940), (111, 19958), (131, 20006), (154, 20066), (157, 20075), (Start: 163 @20090 has 33 MA's), (173, 20114), (182, 20138), (186, 20150), (216, 20225), (219, 20234), (229, 20258), (239, 20288), (259, 20333), (261, 20336), (263, 20342), (281, 20372), (283, 20375), (294, 20396), (360, 20555), (382, 20645), (384, 20654), (394, 20684), (402, 20705), (493, 21008),

Gene: Sigman_33 Start: 32359, Stop: 33519, Start Num: 53

Candidate Starts for Sigman_33:

(Start: 53 @32359 has 276 MA's), (Start: 91 @32470 has 1 MA's), (Start: 107 @32515 has 59 MA's), (155, 32614), (180, 32674), (192, 32710), (205, 32734), (227, 32779), (229, 32785), (249, 32836), (271, 32875), (274, 32878), (280, 32890), (289, 32905), (315, 32929), (329, 32962), (360, 33043), (370, 33088), (384, 33136), (396, 33172), (399, 33181), (402, 33187), (478, 33412),

Gene: Silverleaf_21 Start: 21688, Stop: 22860, Start Num: 56

Candidate Starts for Silverleaf_21:

(Start: 54 @21685 has 5 MA's), (Start: 56 @21688 has 99 MA's), (98, 21814), (117, 21856), (123, 21868), (Start: 125 @21871 has 1 MA's), (141, 21904), (145, 21916), (165, 21964), (173, 21982), (187, 22018), (192, 22033), (219, 22084), (233, 22114), (248, 22156), (260, 22180), (282, 22216), (286, 22222), (307, 22249), (320, 22267), (349, 22360), (350, 22363), (367, 22447), (406, 22585), (410, 22603), (439, 22687),

Gene: Simielle_32 Start: 32062, Stop: 33222, Start Num: 53

Candidate Starts for Simielle_32:

(Start: 53 @32062 has 276 MA's), (Start: 91 @32173 has 1 MA's), (Start: 107 @32218 has 59 MA's), (155, 32317), (180, 32377), (192, 32413), (205, 32437), (227, 32482), (229, 32488), (249, 32539), (271, 32578), (274, 32581), (280, 32593), (289, 32608), (315, 32632), (329, 32665), (360, 32746), (370, 32791), (384, 32839), (396, 32875), (399, 32884), (402, 32890), (478, 33115),

Gene: SirJeffery_32 Start: 32588, Stop: 34093, Start Num: 14

Candidate Starts for SirJeffery_32:

(Start: 14 @32588 has 8 MA's), (16, 32606), (21, 32627), (26, 32681), (38, 32759), (39, 32777), (42, 32792), (44, 32804), (119, 33041), (141, 33092), (152, 33119), (Start: 163 @33146 has 33 MA's), (196, 33233), (202, 33248), (217, 33287), (253, 33377), (289, 33437), (344, 33560), (354, 33599), (362, 33635), (468, 33959), (495, 34079),

Gene: SirPhilip_27 Start: 22229, Stop: 23257, Start Num: 107

Candidate Starts for SirPhilip_27:

(Start: 107 @22229 has 59 MA's), (181, 22400), (187, 22418), (204, 22466), (232, 22526), (248, 22568), (257, 22586), (273, 22610), (324, 22661), (333, 22685), (357, 22742), (361, 22757), (380, 22829), (402, 22898),

Gene: Skippy_33 Start: 32357, Stop: 33517, Start Num: 53

Candidate Starts for Skippy_33:

(Start: 53 @32357 has 276 MA's), (Start: 91 @32468 has 1 MA's), (Start: 107 @32513 has 59 MA's), (155, 32612), (180, 32672), (192, 32708), (205, 32732), (227, 32777), (229, 32783), (249, 32834), (271, 32873), (274, 32876), (280, 32888), (315, 32927), (329, 32960), (360, 33041), (370, 33086), (384, 33134), (396, 33170), (399, 33179), (402, 33185), (478, 33410),

Gene: Skog_188 Start: 113083, Stop: 113973, Start Num: 163

Candidate Starts for Skog_188:

(Start: 163 @113083 has 33 MA's), (182, 113122), (212, 113194), (296, 113356), (421, 113722), (464, 113818),

Gene: Slarp_29 Start: 24596, Stop: 25600, Start Num: 107

Candidate Starts for Slarp_29:

(Start: 107 @24596 has 59 MA's), (181, 24764), (196, 24809), (197, 24815), (222, 24869), (227, 24878), (261, 24959), (276, 24980), (279, 24986), (280, 24989), (360, 25121), (361, 25124), (394, 25247),

Gene: Slatt_33 Start: 32383, Stop: 33543, Start Num: 53

Candidate Starts for Slatt_33:

(Start: 53 @32383 has 276 MA's), (Start: 91 @32494 has 1 MA's), (Start: 107 @32539 has 59 MA's), (155, 32638), (180, 32698), (192, 32734), (205, 32758), (227, 32803), (229, 32809), (249, 32860), (271, 32899), (274, 32902), (280, 32914), (315, 32953), (329, 32986), (360, 33067), (370, 33112), (384, 33160), (396, 33196), (399, 33205), (402, 33211), (478, 33436),

Gene: Slimphazie_28 Start: 23323, Stop: 24336, Start Num: 106

Candidate Starts for Slimphazie_28:

(12, 22879), (32, 23026), (Start: 90 @23278 has 1 MA's), (Start: 106 @23323 has 87 MA's), (Start: 156 @23434 has 3 MA's), (197, 23548), (248, 23665), (273, 23707), (280, 23719), (329, 23773), (360, 23851), (384, 23947), (390, 23959), (398, 23989), (402, 23998), (434, 24112), (464, 24181),

Gene: SlippinJimmy_33 Start: 32984, Stop: 34186, Start Num: 56

Candidate Starts for SlippinJimmy_33:

(Start: 56 @32984 has 99 MA's), (66, 33017), (119, 33161), (126, 33170), (130, 33179), (147, 33218), (150, 33227), (158, 33245), (165, 33263), (173, 33281), (176, 33287), (181, 33299), (187, 33317), (192, 33332), (210, 33365), (222, 33392), (241, 33437), (284, 33518), (298, 33545), (316, 33563), (324, 33581), (339, 33623), (366, 33752), (374, 33761), (394, 33842), (418, 33944), (443, 34001), (446, 34010), (464, 34049), (480, 34121), (493, 34163),

Gene: Snenia_22 Start: 22248, Stop: 23465, Start Num: 56

Candidate Starts for Snenia_22:

(Start: 56 @22248 has 99 MA's), (89, 22350), (96, 22362), (100, 22380), (104, 22389), (123, 22428), (141, 22464), (147, 22479), (149, 22485), (162, 22515), (Start: 163 @22518 has 33 MA's), (179, 22554), (183, 22566), (206, 22617), (207, 22620), (235, 22680), (244, 22707), (251, 22722), (254, 22728), (261, 22740), (295, 22800), (313, 22824), (337, 22884), (361, 22980), (366, 23013), (389, 23085), (396, 23109), (473, 23337), (476, 23349),

Gene: Soile_33 Start: 32089, Stop: 33249, Start Num: 53

Candidate Starts for Soile_33:

(Start: 53 @32089 has 276 MA's), (Start: 91 @32200 has 1 MA's), (Start: 107 @32245 has 59 MA's), (155, 32344), (180, 32404), (192, 32440), (205, 32464), (227, 32509), (229, 32515), (249, 32566), (271, 32605), (274, 32608), (280, 32620), (315, 32659), (329, 32692), (360, 32773), (370, 32818), (384, 32866), (396, 32902), (399, 32911), (402, 32917), (478, 33142),

Gene: Solosis_32 Start: 32084, Stop: 33244, Start Num: 53

Candidate Starts for Solosis_32:

(Start: 53 @32084 has 276 MA's), (Start: 91 @32195 has 1 MA's), (Start: 107 @32240 has 59 MA's), (155, 32339), (180, 32399), (192, 32435), (205, 32459), (227, 32504), (229, 32510), (249, 32561), (271, 32600), (274, 32603), (280, 32615), (289, 32630), (315, 32654), (329, 32687), (360, 32768), (370, 32813), (384, 32861), (396, 32897), (399, 32906), (402, 32912), (478, 33137),

Gene: Sophia_32 Start: 32084, Stop: 33244, Start Num: 53

Candidate Starts for Sophia_32:

(Start: 53 @32084 has 276 MA's), (Start: 91 @32195 has 1 MA's), (Start: 107 @32240 has 59 MA's), (155, 32339), (180, 32399), (192, 32435), (205, 32459), (227, 32504), (229, 32510), (249, 32561), (271, 32600), (274, 32603), (280, 32615), (315, 32654), (329, 32687), (360, 32768), (370, 32813), (384, 32861), (396, 32897), (399, 32906), (402, 32912), (478, 33137),

Gene: Soto_33 Start: 32377, Stop: 33537, Start Num: 53

Candidate Starts for Soto_33:

(Start: 53 @32377 has 276 MA's), (Start: 91 @32488 has 1 MA's), (Start: 107 @32533 has 59 MA's), (155, 32632), (180, 32692), (192, 32728), (205, 32752), (227, 32797), (229, 32803), (249, 32854), (271, 32893), (274, 32896), (280, 32908), (289, 32923), (315, 32947), (329, 32980), (360, 33061), (370, 33106), (384, 33154), (396, 33190), (399, 33199), (402, 33205), (478, 33430),

Gene: Spartan300_33 Start: 32363, Stop: 33523, Start Num: 53

Candidate Starts for Spartan300_33:

(Start: 53 @32363 has 276 MA's), (Start: 91 @32474 has 1 MA's), (Start: 107 @32519 has 59 MA's), (155, 32618), (180, 32678), (192, 32714), (205, 32738), (227, 32783), (229, 32789), (249, 32840), (271, 32879), (274, 32882), (280, 32894), (315, 32933), (329, 32966), (360, 33047), (370, 33092),

(384, 33140), (396, 33176), (399, 33185), (402, 33191), (478, 33416),

Gene: Spock_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Spock_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: SpongeBob_21 Start: 19877, Stop: 21031, Start Num: 82

Candidate Starts for SpongeBob_21:

(31, 19640), (37, 19682), (40, 19712), (45, 19742), (61, 19802), (75, 19856), (Start: 82 @19877 has 14 MA's), (111, 19958), (131, 20006), (154, 20066), (157, 20075), (Start: 163 @20090 has 33 MA's), (173, 20114), (182, 20138), (186, 20150), (216, 20225), (219, 20234), (229, 20258), (239, 20288), (281, 20372), (283, 20375), (294, 20396), (360, 20555), (382, 20645), (384, 20654), (394, 20684), (402, 20705), (493, 21008),

Gene: Squid_33 Start: 32075, Stop: 33235, Start Num: 53

Candidate Starts for Squid_33:

(Start: 53 @32075 has 276 MA's), (Start: 91 @32186 has 1 MA's), (Start: 107 @32231 has 59 MA's), (155, 32330), (180, 32390), (192, 32426), (205, 32450), (227, 32495), (229, 32501), (249, 32552), (271, 32591), (274, 32594), (280, 32606), (315, 32645), (329, 32678), (360, 32759), (370, 32804), (384, 32852), (396, 32888), (399, 32897), (402, 32903), (478, 33128),

Gene: Squiggle_33 Start: 32087, Stop: 33247, Start Num: 53

Candidate Starts for Squiggle_33:

(Start: 53 @32087 has 276 MA's), (Start: 91 @32198 has 1 MA's), (Start: 107 @32243 has 59 MA's), (155, 32342), (180, 32402), (192, 32438), (205, 32462), (227, 32507), (229, 32513), (249, 32564), (271, 32603), (274, 32606), (280, 32618), (289, 32633), (315, 32657), (329, 32690), (360, 32771), (370, 32816), (384, 32864), (396, 32900), (399, 32909), (402, 32915), (478, 33140),

Gene: Squirty_20 Start: 19922, Stop: 21079, Start Num: 82

Candidate Starts for Squirty_20:

(Start: 82 @19922 has 14 MA's), (111, 20003), (120, 20030), (131, 20051), (154, 20111), (Start: 163 @20135 has 33 MA's), (165, 20141), (173, 20159), (178, 20171), (182, 20183), (186, 20195), (198, 20231), (209, 20255), (216, 20270), (219, 20279), (229, 20303), (235, 20318), (239, 20333), (281, 20417), (283, 20420), (294, 20441), (302, 20462), (305, 20471), (311, 20483), (317, 20492), (402, 20753), (418, 20822), (493, 21056),

Gene: Stargaze_23 Start: 23284, Stop: 24429, Start Num: 56

Candidate Starts for Stargaze_23:

(1, 22495), (4, 22654), (5, 22762), (8, 22864), (47, 23260), (Start: 56 @23284 has 99 MA's), (Start: 91 @23395 has 1 MA's), (97, 23410), (147, 23521), (173, 23584), (180, 23599), (241, 23746), (247, 23761), (276, 23812), (313, 23845), (346, 23908), (359, 23959), (361, 23968), (406, 24136),

Gene: Sticker17_30 Start: 38098, Stop: 39000, Start Num: 163

Candidate Starts for Sticker17_30:

(Start: 163 @38098 has 33 MA's), (222, 38236), (255, 38305), (281, 38353), (310, 38416), (330, 38452), (382, 38620), (468, 38854), (473, 38872), (493, 38977),

Gene: Stinger_28 Start: 31182, Stop: 32339, Start Num: 56

Candidate Starts for Stinger_28:

(6, 30657), (7, 30678), (Start: 56 @31182 has 99 MA's), (62, 31209), (Start: 91 @31290 has 1 MA's), (97, 31305), (100, 31317), (Start: 107 @31335 has 59 MA's), (158, 31443), (171, 31476), (176,

31485), (183, 31503), (192, 31530), (206, 31545), (210, 31551), (214, 31557), (227, 31581), (231, 31590), (235, 31599), (247, 31632), (279, 31665), (286, 31677), (289, 31683), (326, 31743), (338, 31755), (339, 31761), (354, 31827), (359, 31851), (361, 31860), (402, 32007), (449, 32160),

Gene: StinkyVeggy_34 Start: 32734, Stop: 34239, Start Num: 14

Candidate Starts for StinkyVeggy_34:

(Start: 14 @32734 has 8 MA's), (21, 32773), (30, 32845), (38, 32905), (39, 32923), (42, 32938), (121, 33190), (136, 33220), (141, 33238), (152, 33265), (Start: 163 @33292 has 33 MA's), (202, 33394), (217, 33433), (222, 33448), (253, 33523), (280, 33568), (284, 33574), (289, 33583), (339, 33679), (354, 33745), (362, 33781), (417, 33994), (468, 34105), (495, 34225),

Gene: Stinson_29 Start: 23565, Stop: 24578, Start Num: 106

Candidate Starts for Stinson_29:

(Start: 106 @23565 has 87 MA's), (Start: 156 @23676 has 3 MA's), (197, 23790), (248, 23907), (273, 23949), (329, 24015), (333, 24024), (360, 24093), (384, 24189), (390, 24201), (434, 24354), (464, 24423), (487, 24519),

Gene: Strobilo_26 Start: 21363, Stop: 22277, Start Num: 143

Candidate Starts for Strobilo_26:

(69, 21198), (Start: 107 @21282 has 59 MA's), (143, 21363), (154, 21387), (177, 21447), (196, 21501), (197, 21507), (242, 21609), (243, 21612), (268, 21660), (273, 21666), (328, 21729), (329, 21732), (352, 21774), (362, 21816), (383, 21900), (402, 21957), (491, 22254),

Gene: Struggle_32 Start: 31925, Stop: 33085, Start Num: 53

Candidate Starts for Struggle_32:

(Start: 53 @31925 has 276 MA's), (Start: 91 @32036 has 1 MA's), (Start: 107 @32081 has 59 MA's), (155, 32180), (180, 32240), (192, 32276), (205, 32300), (227, 32345), (229, 32351), (249, 32402), (271, 32441), (274, 32444), (280, 32456), (289, 32471), (315, 32495), (329, 32528), (360, 32609), (384, 32702), (396, 32738), (399, 32747), (402, 32753), (478, 32978),

Gene: Suffolk_33 Start: 32374, Stop: 33534, Start Num: 53

Candidate Starts for Suffolk_33:

(Start: 53 @32374 has 276 MA's), (Start: 91 @32485 has 1 MA's), (Start: 107 @32530 has 59 MA's), (155, 32629), (180, 32689), (192, 32725), (205, 32749), (227, 32794), (229, 32800), (249, 32851), (271, 32890), (274, 32893), (280, 32905), (315, 32944), (329, 32977), (360, 33058), (370, 33103), (384, 33151), (396, 33187), (399, 33196), (402, 33202), (478, 33427),

Gene: Suigeneris_32 Start: 32591, Stop: 34096, Start Num: 14

Candidate Starts for Suigeneris_32:

(Start: 14 @32591 has 8 MA's), (16, 32609), (21, 32630), (26, 32684), (38, 32762), (39, 32780), (42, 32795), (44, 32807), (119, 33044), (141, 33095), (152, 33122), (Start: 163 @33149 has 33 MA's), (196, 33236), (202, 33251), (217, 33290), (253, 33380), (289, 33440), (344, 33563), (354, 33602), (362, 33638), (468, 33962), (495, 34082),

Gene: Sulley_28 Start: 23289, Stop: 24302, Start Num: 106

Candidate Starts for Sulley_28:

(Start: 106 @23289 has 87 MA's), (Start: 156 @23400 has 3 MA's), (197, 23514), (248, 23631), (280, 23685), (329, 23739), (360, 23817), (384, 23913), (390, 23925), (398, 23955), (402, 23964), (434, 24078), (464, 24147),

Gene: Sunflower1121_27 Start: 22555, Stop: 23616, Start Num: 107

Candidate Starts for Sunflower1121_27:

(69, 22465), (Start: 107 @22555 has 59 MA's), (145, 22636), (154, 22654), (194, 22762), (197, 22774), (207, 22795), (248, 22891), (304, 23005), (328, 23056), (366, 23173), (390, 23245), (402, 23284), (434, 23404), (464, 23473),

Gene: Surely_33 Start: 32377, Stop: 33537, Start Num: 53

Candidate Starts for Surely_33:

(Start: 53 @32377 has 276 MA's), (Start: 91 @32488 has 1 MA's), (Start: 107 @32533 has 59 MA's), (155, 32632), (180, 32692), (192, 32728), (205, 32752), (227, 32797), (229, 32803), (249, 32854), (271, 32893), (274, 32896), (280, 32908), (315, 32947), (329, 32980), (360, 33061), (370, 33106), (384, 33154), (396, 33190), (399, 33199), (402, 33205), (478, 33430),

Gene: Swiphy_34 Start: 32372, Stop: 33532, Start Num: 53

Candidate Starts for Swiphy_34:

(Start: 53 @32372 has 276 MA's), (Start: 91 @32483 has 1 MA's), (Start: 107 @32528 has 59 MA's), (155, 32627), (180, 32687), (192, 32723), (205, 32747), (227, 32792), (229, 32798), (249, 32849), (271, 32888), (274, 32891), (280, 32903), (315, 32942), (329, 32975), (360, 33056), (384, 33149), (396, 33185), (399, 33194), (402, 33200), (478, 33425),

Gene: Swish_33 Start: 32360, Stop: 33520, Start Num: 53

Candidate Starts for Swish_33:

(Start: 53 @32360 has 276 MA's), (Start: 91 @32471 has 1 MA's), (Start: 107 @32516 has 59 MA's), (155, 32615), (180, 32675), (192, 32711), (205, 32735), (227, 32780), (229, 32786), (249, 32837), (271, 32876), (274, 32879), (280, 32891), (289, 32906), (315, 32930), (329, 32963), (360, 33044), (370, 33089), (384, 33137), (396, 33173), (399, 33182), (402, 33188), (478, 33413),

Gene: SynergyX_33 Start: 32223, Stop: 33425, Start Num: 56

Candidate Starts for SynergyX_33:

(Start: 56 @32223 has 99 MA's), (66, 32256), (119, 32400), (126, 32409), (130, 32418), (147, 32457), (150, 32466), (158, 32484), (165, 32502), (173, 32520), (176, 32526), (181, 32538), (187, 32556), (192, 32571), (210, 32604), (222, 32631), (241, 32676), (284, 32757), (298, 32784), (316, 32802), (324, 32820), (339, 32862), (342, 32886), (362, 32961), (366, 32991), (384, 33051), (389, 33063), (394, 33081), (418, 33183), (464, 33288), (468, 33294), (472, 33312), (492, 33399),

Gene: Syra333_28 Start: 22645, Stop: 23640, Start Num: 107

Candidate Starts for Syra333_28:

(69, 22555), (Start: 107 @22645 has 59 MA's), (154, 22744), (Start: 156 @22750 has 3 MA's), (216, 22900), (248, 22981), (360, 23167), (361, 23170), (382, 23254), (384, 23263), (396, 23299), (448, 23449), (490, 23599), (493, 23617),

Gene: TA17A_33 Start: 32678, Stop: 33841, Start Num: 53

Candidate Starts for TA17A_33:

(Start: 51 @32672 has 11 MA's), (Start: 53 @32678 has 276 MA's), (67, 32717), (76, 32747), (Start: 91 @32792 has 1 MA's), (Start: 107 @32837 has 59 MA's), (155, 32936), (180, 32996), (192, 33032), (205, 33056), (227, 33101), (229, 33107), (249, 33158), (271, 33197), (274, 33200), (280, 33212), (315, 33251), (329, 33284), (360, 33365), (370, 33410), (384, 33458), (396, 33494), (399, 33503), (402, 33509), (478, 33734),

Gene: TBond007_28 Start: 23723, Stop: 24787, Start Num: 107

Candidate Starts for TBond007_28:

(9, 23171), (10, 23237), (11, 23300), (15, 23333), (22, 23375), (43, 23534), (69, 23633), (84, 23690), (Start: 107 @23723 has 59 MA's), (165, 23855), (167, 23861), (194, 23930), (196, 23936), (222, 23996), (232, 24017), (237, 24032), (279, 24110), (360, 24302), (366, 24338), (381, 24386), (394, 24428), (430, 24554),

Gene: TClif_29 Start: 22714, Stop: 23739, Start Num: 107

Candidate Starts for TClif_29:

(Start: 107 @22714 has 59 MA's), (153, 22813), (154, 22816), (177, 22876), (193, 22921), (207, 22957), (243, 23041), (268, 23089), (332, 23173), (350, 23197), (361, 23248), (381, 23329), (466, 23581), (476, 23620), (493, 23716),

Gene: TM4_25 Start: 21422, Stop: 22426, Start Num: 107

Candidate Starts for TM4_25:

(Start: 107 @21422 has 59 MA's), (154, 21527), (177, 21587), (181, 21596), (196, 21641), (197, 21647), (222, 21701), (244, 21755), (279, 21815), (296, 21848), (329, 21872), (361, 21953), (362, 21956), (383, 22040), (394, 22076), (491, 22403),

Gene: Tachez_28 Start: 23285, Stop: 24298, Start Num: 106

Candidate Starts for Tachez_28:

(12, 22841), (32, 22988), (Start: 90 @23240 has 1 MA's), (Start: 106 @23285 has 87 MA's), (Start: 156 @23396 has 3 MA's), (197, 23510), (248, 23627), (273, 23669), (280, 23681), (329, 23735), (360, 23813), (384, 23909), (390, 23921), (398, 23951), (402, 23960), (434, 24074), (464, 24143),

Gene: TaiwanKao_29 Start: 23407, Stop: 24309, Start Num: 156

Candidate Starts for TaiwanKao_29:

(Start: 90 @23251 has 1 MA's), (Start: 106 @23296 has 87 MA's), (Start: 156 @23407 has 3 MA's), (197, 23521), (248, 23638), (273, 23680), (280, 23692), (329, 23746), (360, 23824), (381, 23908), (384, 23920), (390, 23932), (402, 23971), (425, 24061), (487, 24250),

Gene: TallGrassMM_33 Start: 31999, Stop: 33159, Start Num: 53

Candidate Starts for TallGrassMM_33:

(Start: 53 @31999 has 276 MA's), (Start: 91 @32110 has 1 MA's), (Start: 107 @32155 has 59 MA's), (155, 32254), (180, 32314), (192, 32350), (205, 32374), (227, 32419), (229, 32425), (249, 32476), (271, 32515), (274, 32518), (280, 32530), (289, 32545), (315, 32569), (329, 32602), (360, 32683), (370, 32728), (384, 32776), (396, 32812), (399, 32821), (402, 32827), (478, 33052),

Gene: Taptic_25 Start: 29324, Stop: 30529, Start Num: 53

Candidate Starts for Taptic_25:

(Start: 51 @29321 has 11 MA's), (Start: 53 @29324 has 276 MA's), (74, 29393), (100, 29462), (114, 29492), (119, 29504), (124, 29510), (126, 29513), (130, 29522), (147, 29561), (150, 29570), (Start: 156 @29582 has 3 MA's), (180, 29639), (183, 29648), (187, 29660), (192, 29675), (217, 29720), (222, 29735), (241, 29780), (277, 29849), (292, 29876), (312, 29900), (332, 29945), (339, 29966), (342, 29990), (362, 30065), (366, 30095), (384, 30155), (389, 30167), (394, 30185), (418, 30287), (468, 30398), (472, 30416), (483, 30467), (492, 30503),

Gene: Teal_30 Start: 38566, Stop: 39468, Start Num: 163

Candidate Starts for Teal_30:

(Start: 163 @38566 has 33 MA's), (222, 38704), (255, 38773), (281, 38821), (310, 38884), (330, 38920), (382, 39088), (473, 39340), (493, 39445),

Gene: Telesworld_32 Start: 32072, Stop: 33232, Start Num: 53

Candidate Starts for Telesworld_32:

(Start: 53 @32072 has 276 MA's), (Start: 91 @32183 has 1 MA's), (Start: 107 @32228 has 59 MA's), (155, 32327), (180, 32387), (192, 32423), (205, 32447), (227, 32492), (229, 32498), (249, 32549), (271, 32588), (274, 32591), (280, 32603), (315, 32642), (329, 32675), (360, 32756), (370, 32801), (384, 32849), (396, 32885), (399, 32894), (402, 32900), (478, 33125),

Gene: Thonko_30 Start: 29614, Stop: 30771, Start Num: 52

Candidate Starts for Thonko_30:

(46, 29584), (Start: 52 @29614 has 8 MA's), (Start: 91 @29728 has 1 MA's), (141, 29845), (147, 29860), (150, 29869), (158, 29887), (165, 29905), (187, 29959), (231, 30049), (237, 30067), (243, 30085), (359, 30319), (361, 30328), (371, 30370), (397, 30460), (402, 30472),

Gene: Thora_33 Start: 32376, Stop: 33536, Start Num: 53

Candidate Starts for Thora_33:

(Start: 53 @32376 has 276 MA's), (Start: 91 @32487 has 1 MA's), (Start: 107 @32532 has 59 MA's), (155, 32631), (180, 32691), (192, 32727), (205, 32751), (227, 32796), (229, 32802), (249, 32853), (271, 32892), (274, 32895), (280, 32907), (315, 32946), (329, 32979), (360, 33060), (370, 33105), (384, 33153), (396, 33189), (399, 33198), (402, 33204), (478, 33429),

Gene: ThreeOh3D2_33 Start: 32374, Stop: 33534, Start Num: 53

Candidate Starts for ThreeOh3D2_33:

(Start: 53 @32374 has 276 MA's), (Start: 91 @32485 has 1 MA's), (Start: 107 @32530 has 59 MA's), (155, 32629), (180, 32689), (192, 32725), (205, 32749), (227, 32794), (229, 32800), (249, 32851), (271, 32890), (274, 32893), (280, 32905), (289, 32920), (315, 32944), (329, 32977), (360, 33058), (370, 33103), (384, 33151), (396, 33187), (399, 33196), (402, 33202), (478, 33427),

Gene: Tierra_28 Start: 23391, Stop: 24452, Start Num: 107

Candidate Starts for Tierra_28:

(Start: 107 @23391 has 59 MA's), (144, 23469), (145, 23472), (154, 23490), (168, 23532), (194, 23598), (207, 23631), (248, 23727), (253, 23739), (304, 23841), (328, 23892), (366, 24009), (442, 24252), (448, 24270), (464, 24309),

Gene: Tillicus_33 Start: 28456, Stop: 29502, Start Num: 101

Candidate Starts for Tillicus_33:

(Start: 101 @28456 has 21 MA's), (Start: 125 @28513 has 1 MA's), (161, 28603), (164, 28612), (166, 28618), (170, 28627), (192, 28681), (298, 28897), (308, 28906), (327, 28945), (332, 28957), (356, 29026), (385, 29140), (394, 29167), (422, 29275),

Gene: Timmi_32 Start: 32085, Stop: 33245, Start Num: 53

Candidate Starts for Timmi_32:

(Start: 53 @32085 has 276 MA's), (Start: 91 @32196 has 1 MA's), (Start: 107 @32241 has 59 MA's), (155, 32340), (180, 32400), (192, 32436), (205, 32460), (227, 32505), (229, 32511), (249, 32562), (271, 32601), (274, 32604), (280, 32616), (315, 32655), (329, 32688), (360, 32769), (370, 32814), (384, 32862), (396, 32898), (399, 32907), (402, 32913), (478, 33138),

Gene: Tinciduntolum_34 Start: 32810, Stop: 33979, Start Num: 51

Candidate Starts for Tinciduntolum_34:

(28, 32669), (Start: 51 @32810 has 11 MA's), (Start: 53 @32816 has 276 MA's), (67, 32855), (76, 32885), (Start: 91 @32930 has 1 MA's), (Start: 107 @32975 has 59 MA's), (155, 33074), (180, 33134), (192, 33170), (205, 33194), (227, 33239), (229, 33245), (249, 33296), (271, 33335), (274, 33338), (280, 33350), (289, 33365), (315, 33389), (329, 33422), (360, 33503), (384, 33596), (396, 33632), (399, 33641), (402, 33647), (413, 33707), (478, 33872),

Gene: TiniBug_28 Start: 23281, Stop: 24294, Start Num: 106

Candidate Starts for TiniBug_28:

(Start: 90 @23236 has 1 MA's), (Start: 106 @23281 has 87 MA's), (Start: 156 @23392 has 3 MA's), (197, 23506), (248, 23623), (280, 23677), (329, 23731), (360, 23809), (384, 23905), (390, 23917), (402, 23956), (407, 23992), (433, 24061), (464, 24139), (487, 24235),

Gene: Tiri_28 Start: 23328, Stop: 24341, Start Num: 106

Candidate Starts for Tiri_28:

(12, 22884), (Start: 90 @23283 has 1 MA's), (Start: 106 @23328 has 87 MA's), (Start: 156 @23439 has 3 MA's), (197, 23553), (248, 23670), (273, 23712), (280, 23724), (329, 23778), (360, 23856), (381, 23940), (384, 23952), (390, 23964), (402, 24003), (434, 24117), (464, 24186),

Gene: TomBombadil_33 Start: 32370, Stop: 33530, Start Num: 53

Candidate Starts for TomBombadil_33:

(Start: 53 @32370 has 276 MA's), (Start: 91 @32481 has 1 MA's), (Start: 107 @32526 has 59 MA's), (155, 32625), (180, 32685), (192, 32721), (205, 32745), (227, 32790), (229, 32796), (249, 32847), (271, 32886), (274, 32889), (280, 32901), (289, 32916), (315, 32940), (329, 32973), (360, 33054), (384, 33147), (396, 33183), (399, 33192), (402, 33198), (478, 33423),

Gene: Tomlarah_33 Start: 32361, Stop: 33521, Start Num: 53

Candidate Starts for Tomlarah_33:

(Start: 53 @32361 has 276 MA's), (Start: 91 @32472 has 1 MA's), (Start: 107 @32517 has 59 MA's), (155, 32616), (180, 32676), (192, 32712), (205, 32736), (227, 32781), (229, 32787), (249, 32838), (271, 32877), (274, 32880), (280, 32892), (289, 32907), (315, 32931), (329, 32964), (360, 33045), (370, 33090), (384, 33138), (396, 33174), (399, 33183), (402, 33189), (478, 33414),

Gene: Toni_32 Start: 32077, Stop: 33237, Start Num: 53

Candidate Starts for Toni_32:

(Start: 53 @32077 has 276 MA's), (Start: 91 @32188 has 1 MA's), (Start: 107 @32233 has 59 MA's), (155, 32332), (180, 32392), (192, 32428), (205, 32452), (227, 32497), (229, 32503), (249, 32554), (271, 32593), (274, 32596), (280, 32608), (289, 32623), (315, 32647), (329, 32680), (360, 32761), (370, 32806), (384, 32854), (396, 32890), (399, 32899), (402, 32905), (478, 33130),

Gene: Tooj_33 Start: 32434, Stop: 33594, Start Num: 53

Candidate Starts for Tooj_33:

(Start: 53 @32434 has 276 MA's), (Start: 91 @32545 has 1 MA's), (Start: 107 @32590 has 59 MA's), (155, 32689), (180, 32749), (192, 32785), (205, 32809), (227, 32854), (229, 32860), (249, 32911), (271, 32950), (274, 32953), (280, 32965), (315, 33004), (329, 33037), (360, 33118), (370, 33163), (384, 33211), (396, 33247), (399, 33256), (402, 33262), (478, 33487),

Gene: Topper_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Topper_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Tres_33 Start: 32691, Stop: 33854, Start Num: 53

Candidate Starts for Tres_33:

(28, 32544), (Start: 51 @32685 has 11 MA's), (Start: 53 @32691 has 276 MA's), (67, 32730), (76, 32760), (Start: 91 @32805 has 1 MA's), (Start: 107 @32850 has 59 MA's), (155, 32949), (180, 33009), (192, 33045), (205, 33069), (227, 33114), (229, 33120), (249, 33171), (271, 33210), (274, 33213), (280, 33225), (289, 33240), (315, 33264), (329, 33297), (360, 33378), (384, 33471), (396, 33507), (399, 33516), (402, 33522), (478, 33747),

Gene: TreyKay_28 Start: 23290, Stop: 24303, Start Num: 106

Candidate Starts for TreyKay_28:

(Start: 90 @23245 has 1 MA's), (Start: 106 @23290 has 87 MA's), (Start: 156 @23401 has 3 MA's), (197, 23515), (248, 23632), (273, 23674), (280, 23686), (329, 23740), (360, 23818), (381, 23902), (384, 23914), (390, 23926), (402, 23965), (487, 24244),

Gene: TribbleTrouble_27 Start: 23874, Stop: 24935, Start Num: 107

Candidate Starts for TribbleTrouble_27:

(69, 23769), (Start: 107 @23874 has 59 MA's), (123, 23907), (142, 23946), (162, 23997), (165, 24006), (177, 24033), (194, 24081), (222, 24147), (237, 24183), (243, 24198), (250, 24216), (252, 24219), (261, 24234), (303, 24321), (366, 24492), (464, 24792),

Gene: True_32 Start: 32074, Stop: 33234, Start Num: 53

Candidate Starts for True_32:

(Start: 53 @32074 has 276 MA's), (Start: 91 @32185 has 1 MA's), (Start: 107 @32230 has 59 MA's), (155, 32329), (180, 32389), (192, 32425), (205, 32449), (227, 32494), (229, 32500), (249, 32551), (271, 32590), (274, 32593), (280, 32605), (289, 32620), (315, 32644), (329, 32677), (360, 32758), (370, 32803), (384, 32851), (396, 32887), (399, 32896), (402, 32902), (478, 33127),

Gene: TruffulaTree_28 Start: 23319, Stop: 24332, Start Num: 106

Candidate Starts for TruffulaTree_28:

(12, 22875), (Start: 90 @23274 has 1 MA's), (Start: 106 @23319 has 87 MA's), (197, 23544), (248, 23661), (273, 23703), (280, 23715), (329, 23769), (360, 23847), (384, 23943), (390, 23955), (398, 23985), (402, 23994), (434, 24108), (464, 24177),

Gene: Trypo_33 Start: 32370, Stop: 33530, Start Num: 53

Candidate Starts for Trypo_33:

(Start: 53 @32370 has 276 MA's), (Start: 91 @32481 has 1 MA's), (Start: 107 @32526 has 59 MA's), (155, 32625), (180, 32685), (192, 32721), (205, 32745), (227, 32790), (229, 32796), (249, 32847), (271, 32886), (274, 32889), (280, 32901), (289, 32916), (315, 32940), (329, 32973), (360, 33054), (370, 33099), (384, 33147), (396, 33183), (399, 33192), (402, 33198), (478, 33423),

Gene: Twitch_28 Start: 23356, Stop: 24369, Start Num: 106

Candidate Starts for Twitch_28:

(12, 22912), (Start: 90 @23311 has 1 MA's), (Start: 106 @23356 has 87 MA's), (197, 23581), (248, 23698), (273, 23740), (280, 23752), (329, 23806), (360, 23884), (384, 23980), (398, 24022), (402, 24031), (434, 24145), (464, 24214),

Gene: Tydolla_33 Start: 32957, Stop: 34159, Start Num: 56

Candidate Starts for Tydolla_33:

(Start: 56 @32957 has 99 MA's), (66, 32990), (119, 33134), (126, 33143), (130, 33152), (147, 33191), (150, 33200), (158, 33218), (180, 33269), (183, 33278), (187, 33290), (189, 33296), (192, 33305), (217, 33350), (222, 33365), (241, 33410), (258, 33449), (277, 33479), (286, 33494), (292, 33506), (312, 33530), (332, 33575), (339, 33596), (342, 33620), (362, 33695), (366, 33725), (384, 33785), (389, 33797), (394, 33815), (418, 33917), (464, 34022), (468, 34028), (472, 34046), (492, 34133),

Gene: TyrionL_32 Start: 31933, Stop: 33093, Start Num: 53

Candidate Starts for TyrionL_32:

(Start: 53 @31933 has 276 MA's), (Start: 91 @32044 has 1 MA's), (Start: 107 @32089 has 59 MA's), (155, 32188), (180, 32248), (192, 32284), (205, 32308), (227, 32353), (229, 32359), (249, 32410), (271, 32449), (274, 32452), (280, 32464), (289, 32479), (315, 32503), (329, 32536), (360, 32617), (370, 32662), (384, 32710), (396, 32746), (399, 32755), (402, 32761), (478, 32986),

Gene: Tyson_21 Start: 21688, Stop: 22860, Start Num: 56

Candidate Starts for Tyson_21:

(Start: 54 @21685 has 5 MA's), (Start: 56 @21688 has 99 MA's), (98, 21814), (117, 21856), (123, 21868), (Start: 125 @21871 has 1 MA's), (141, 21904), (145, 21916), (165, 21964), (173, 21982), (187, 22018), (192, 22033), (219, 22084), (233, 22114), (248, 22156), (260, 22180), (282, 22216),

(286, 22222), (307, 22249), (320, 22267), (349, 22360), (350, 22363), (367, 22447), (406, 22585), (410, 22603), (439, 22687),

Gene: UACh1_33 Start: 32383, Stop: 33543, Start Num: 53

Candidate Starts for UACh1_33:

(Start: 53 @32383 has 276 MA's), (Start: 91 @32494 has 1 MA's), (Start: 107 @32539 has 59 MA's), (155, 32638), (180, 32698), (192, 32734), (205, 32758), (227, 32803), (229, 32809), (249, 32860), (271, 32899), (274, 32902), (280, 32914), (315, 32953), (329, 32986), (360, 33067), (370, 33112), (384, 33160), (396, 33196), (399, 33205), (402, 33211), (478, 33436),

Gene: UPIE_21 Start: 21683, Stop: 22858, Start Num: 54

Candidate Starts for UPIE_21:

(Start: 54 @21683 has 5 MA's), (Start: 56 @21686 has 99 MA's), (98, 21812), (117, 21854), (123, 21866), (Start: 125 @21869 has 1 MA's), (141, 21902), (145, 21914), (165, 21962), (173, 21980), (187, 22016), (192, 22031), (219, 22082), (233, 22112), (248, 22154), (260, 22178), (282, 22214), (286, 22220), (307, 22247), (320, 22265), (349, 22358), (350, 22361), (367, 22445), (406, 22583), (410, 22601), (439, 22685),

Gene: UncleHowie_33 Start: 32073, Stop: 33233, Start Num: 53

Candidate Starts for UncleHowie_33:

(Start: 53 @32073 has 276 MA's), (Start: 91 @32184 has 1 MA's), (Start: 107 @32229 has 59 MA's), (155, 32328), (180, 32388), (192, 32424), (205, 32448), (227, 32493), (229, 32499), (249, 32550), (271, 32589), (274, 32592), (280, 32604), (289, 32619), (315, 32643), (329, 32676), (360, 32757), (370, 32802), (384, 32850), (396, 32886), (399, 32895), (402, 32901), (478, 33126),

Gene: Unicorn_28 Start: 22720, Stop: 23781, Start Num: 107

Candidate Starts for Unicorn_28:

(69, 22630), (84, 22687), (Start: 107 @22720 has 59 MA's), (154, 22819), (194, 22927), (197, 22939), (207, 22960), (248, 23056), (304, 23170), (328, 23221), (366, 23338), (442, 23581), (448, 23599), (464, 23638),

Gene: Urkel_28 Start: 23284, Stop: 24297, Start Num: 106

Candidate Starts for Urkel_28:

(Start: 90 @23239 has 1 MA's), (Start: 106 @23284 has 87 MA's), (Start: 156 @23395 has 3 MA's), (197, 23509), (248, 23626), (273, 23668), (280, 23680), (329, 23734), (360, 23812), (384, 23908), (390, 23920), (402, 23959), (407, 23995), (464, 24142), (487, 24238),

Gene: Usavi_33 Start: 32374, Stop: 33534, Start Num: 53

Candidate Starts for Usavi_33:

(Start: 53 @32374 has 276 MA's), (Start: 91 @32485 has 1 MA's), (Start: 107 @32530 has 59 MA's), (155, 32629), (180, 32689), (192, 32725), (205, 32749), (227, 32794), (229, 32800), (249, 32851), (271, 32890), (274, 32893), (280, 32905), (289, 32920), (315, 32944), (329, 32977), (360, 33058), (370, 33103), (384, 33151), (396, 33187), (399, 33196), (402, 33202), (478, 33427),

Gene: Vaishali24_32 Start: 32035, Stop: 33195, Start Num: 53

Candidate Starts for Vaishali24_32:

(Start: 53 @32035 has 276 MA's), (Start: 91 @32146 has 1 MA's), (Start: 107 @32191 has 59 MA's), (155, 32290), (180, 32350), (192, 32386), (205, 32410), (227, 32455), (229, 32461), (249, 32512), (271, 32551), (274, 32554), (280, 32566), (315, 32605), (329, 32638), (360, 32719), (370, 32764), (384, 32812), (396, 32848), (399, 32857), (402, 32863), (478, 33088),

Gene: Validus_28 Start: 22666, Stop: 23631, Start Num: 106

Candidate Starts for Validus_28:

(95, 22630), (Start: 106 @22666 has 87 MA's), (108, 22672), (Start: 156 @22780 has 3 MA's), (165, 22807), (187, 22861), (218, 22936), (257, 23029), (291, 23083), (360, 23197), (361, 23200), (383, 23284), (402, 23341), (420, 23395), (439, 23437), (454, 23476),

Gene: Valjean_33 Start: 32366, Stop: 33526, Start Num: 53

Candidate Starts for Valjean_33:

(Start: 53 @32366 has 276 MA's), (Start: 91 @32477 has 1 MA's), (Start: 107 @32522 has 59 MA's), (155, 32621), (180, 32681), (192, 32717), (205, 32741), (227, 32786), (229, 32792), (249, 32843), (271, 32882), (274, 32885), (280, 32897), (315, 32936), (329, 32969), (360, 33050), (370, 33095), (384, 33143), (396, 33179), (399, 33188), (402, 33194), (478, 33419),

Gene: Vanisoa_31 Start: 24621, Stop: 25826, Start Num: 55

Candidate Starts for Vanisoa_31:

(Start: 55 @24621 has 2 MA's), (113, 24786), (118, 24798), (123, 24804), (Start: 125 @24807 has 1 MA's), (169, 24909), (183, 24942), (217, 25014), (227, 25038), (237, 25062), (279, 25146), (360, 25353), (361, 25356), (366, 25389), (402, 25500), (451, 25656),

Gene: Vaticameos_33 Start: 32064, Stop: 33224, Start Num: 53

Candidate Starts for Vaticameos_33:

(Start: 53 @32064 has 276 MA's), (Start: 91 @32175 has 1 MA's), (Start: 107 @32220 has 59 MA's), (155, 32319), (180, 32379), (192, 32415), (205, 32439), (227, 32484), (229, 32490), (249, 32541), (271, 32580), (274, 32583), (280, 32595), (289, 32610), (315, 32634), (329, 32667), (360, 32748), (370, 32793), (384, 32841), (396, 32877), (399, 32886), (402, 32892), (478, 33117),

Gene: Veliki_28 Start: 23359, Stop: 24372, Start Num: 106

Candidate Starts for Veliki_28:

(12, 22915), (32, 23062), (Start: 90 @23314 has 1 MA's), (Start: 106 @23359 has 87 MA's), (Start: 156 @23470 has 3 MA's), (197, 23584), (248, 23701), (273, 23743), (280, 23755), (329, 23809), (360, 23887), (384, 23983), (390, 23995), (398, 24025), (402, 24034), (434, 24148), (464, 24217),

Gene: Veritas_32 Start: 31936, Stop: 33096, Start Num: 53

Candidate Starts for Veritas_32:

(Start: 53 @31936 has 276 MA's), (Start: 91 @32047 has 1 MA's), (Start: 107 @32092 has 59 MA's), (155, 32191), (180, 32251), (192, 32287), (205, 32311), (227, 32356), (229, 32362), (249, 32413), (271, 32452), (274, 32455), (280, 32467), (315, 32506), (329, 32539), (360, 32620), (384, 32713), (396, 32749), (399, 32758), (402, 32764), (478, 32989),

Gene: Vincenzo_31 Start: 33326, Stop: 34483, Start Num: 56

Candidate Starts for Vincenzo_31:

(Start: 56 @33326 has 99 MA's), (85, 33419), (Start: 91 @33434 has 1 MA's), (97, 33449), (100, 33461), (Start: 107 @33479 has 59 MA's), (150, 33569), (171, 33620), (176, 33629), (183, 33647), (192, 33674), (206, 33689), (210, 33695), (214, 33701), (231, 33734), (235, 33743), (247, 33776), (279, 33809), (286, 33821), (310, 33854), (321, 33869), (338, 33899), (339, 33905), (354, 33971), (359, 33995), (361, 34004), (402, 34151), (449, 34304),

Gene: VioletZ_30 Start: 32678, Stop: 33835, Start Num: 56

Candidate Starts for VioletZ_30:

(Start: 56 @32678 has 99 MA's), (85, 32771), (Start: 91 @32786 has 1 MA's), (97, 32801), (100, 32813), (Start: 107 @32831 has 59 MA's), (132, 32873), (150, 32921), (171, 32972), (176, 32981), (183, 32999), (192, 33026), (206, 33041), (210, 33047), (214, 33053), (217, 33059), (231, 33086), (235, 33095), (247, 33128), (279, 33161), (321, 33221), (338, 33251), (339, 33257), (349, 33302), (361, 33356), (362, 33359), (402, 33503), (449, 33656),

Gene: Virapocalypse_33 Start: 32361, Stop: 33521, Start Num: 53

Candidate Starts for Virapocalypse_33:

(Start: 53 @32361 has 276 MA's), (Start: 91 @32472 has 1 MA's), (Start: 107 @32517 has 59 MA's), (155, 32616), (180, 32676), (192, 32712), (205, 32736), (227, 32781), (229, 32787), (249, 32838), (271, 32877), (274, 32880), (280, 32892), (315, 32931), (329, 32964), (360, 33045), (370, 33090), (384, 33138), (396, 33174), (399, 33183), (402, 33189), (478, 33414),

Gene: Virgeve_32 Start: 32141, Stop: 33301, Start Num: 53

Candidate Starts for Virgeve_32:

(Start: 53 @32141 has 276 MA's), (Start: 91 @32252 has 1 MA's), (Start: 107 @32297 has 59 MA's), (155, 32396), (180, 32456), (192, 32492), (205, 32516), (227, 32561), (229, 32567), (249, 32618), (271, 32657), (274, 32660), (280, 32672), (315, 32711), (329, 32744), (360, 32825), (370, 32870), (384, 32918), (396, 32954), (399, 32963), (402, 32969), (478, 33194),

Gene: Vista_33 Start: 32374, Stop: 33534, Start Num: 53

Candidate Starts for Vista_33:

(Start: 53 @32374 has 276 MA's), (Start: 91 @32485 has 1 MA's), (Start: 107 @32530 has 59 MA's), (155, 32629), (180, 32689), (192, 32725), (205, 32749), (227, 32794), (229, 32800), (249, 32851), (271, 32890), (274, 32893), (280, 32905), (289, 32920), (315, 32944), (329, 32977), (360, 33058), (370, 33103), (384, 33151), (396, 33187), (399, 33196), (402, 33202), (478, 33427),

Gene: Vivaldi_33 Start: 32403, Stop: 33563, Start Num: 53

Candidate Starts for Vivaldi_33:

(Start: 53 @32403 has 276 MA's), (Start: 91 @32514 has 1 MA's), (Start: 107 @32559 has 59 MA's), (155, 32658), (180, 32718), (192, 32754), (205, 32778), (227, 32823), (229, 32829), (249, 32880), (271, 32919), (274, 32922), (280, 32934), (315, 32973), (329, 33006), (360, 33087), (370, 33132), (384, 33180), (396, 33216), (399, 33225), (402, 33231), (478, 33456),

Gene: Vordorf_31 Start: 26927, Stop: 27976, Start Num: 103

Candidate Starts for Vordorf_31:

(Start: 103 @26927 has 1 MA's), (167, 27092), (187, 27137), (223, 27215), (275, 27329), (316, 27392), (336, 27443), (350, 27473), (356, 27500), (435, 27776),

Gene: Vortex_33 Start: 32080, Stop: 33240, Start Num: 53

Candidate Starts for Vortex_33:

(Start: 53 @32080 has 276 MA's), (Start: 91 @32191 has 1 MA's), (Start: 107 @32236 has 59 MA's), (155, 32335), (180, 32395), (192, 32431), (205, 32455), (227, 32500), (229, 32506), (249, 32557), (271, 32596), (274, 32599), (280, 32611), (315, 32650), (329, 32683), (360, 32764), (370, 32809), (384, 32857), (396, 32893), (399, 32902), (402, 32908), (478, 33133),

Gene: Waleliano_30 Start: 32605, Stop: 33762, Start Num: 56

Candidate Starts for Waleliano_30:

(Start: 56 @32605 has 99 MA's), (85, 32698), (Start: 91 @32713 has 1 MA's), (97, 32728), (100, 32740), (Start: 107 @32758 has 59 MA's), (132, 32800), (171, 32899), (176, 32908), (183, 32926), (192, 32953), (206, 32968), (210, 32974), (214, 32980), (217, 32986), (231, 33013), (235, 33022), (247, 33055), (279, 33088), (321, 33148), (338, 33178), (339, 33184), (341, 33205), (349, 33229), (361, 33283), (362, 33286), (449, 33583),

Gene: Wallhey_32 Start: 31937, Stop: 33097, Start Num: 53

Candidate Starts for Wallhey_32:

(Start: 53 @31937 has 276 MA's), (Start: 91 @32048 has 1 MA's), (Start: 107 @32093 has 59 MA's), (155, 32192), (180, 32252), (192, 32288), (205, 32312), (227, 32357), (229, 32363), (249, 32414), (271, 32453), (274, 32456), (280, 32468), (289, 32483), (315, 32507), (329, 32540), (360, 32621),

(370, 32666), (384, 32714), (396, 32750), (399, 32759), (402, 32765), (478, 32990),

Gene: Wamburgexpress_21 Start: 21701, Stop: 22873, Start Num: 56

Candidate Starts for Wamburgexpress_21:

(Start: 54 @21698 has 5 MA's), (Start: 56 @21701 has 99 MA's), (98, 21827), (117, 21869), (123, 21881), (Start: 125 @21884 has 1 MA's), (141, 21917), (145, 21929), (165, 21977), (173, 21995), (187, 22031), (192, 22046), (219, 22097), (233, 22127), (248, 22169), (260, 22193), (282, 22229), (286, 22235), (307, 22262), (320, 22280), (349, 22373), (350, 22376), (367, 22460), (406, 22598), (410, 22616), (439, 22700),

Gene: Waterdiva_33 Start: 32366, Stop: 33526, Start Num: 53

Candidate Starts for Waterdiva_33:

(Start: 53 @32366 has 276 MA's), (Start: 91 @32477 has 1 MA's), (Start: 107 @32522 has 59 MA's), (155, 32621), (180, 32681), (192, 32717), (205, 32741), (227, 32786), (229, 32792), (249, 32843), (271, 32882), (274, 32885), (280, 32897), (289, 32912), (315, 32936), (329, 32969), (360, 33050), (370, 33095), (384, 33143), (396, 33179), (399, 33188), (402, 33194), (478, 33419),

Gene: Weher20_33 Start: 32365, Stop: 33525, Start Num: 53

Candidate Starts for Weher20_33:

(Start: 53 @32365 has 276 MA's), (Start: 91 @32476 has 1 MA's), (Start: 107 @32521 has 59 MA's), (155, 32620), (180, 32680), (192, 32716), (205, 32740), (227, 32785), (229, 32791), (249, 32842), (271, 32881), (274, 32884), (280, 32896), (315, 32935), (329, 32968), (360, 33049), (384, 33142), (396, 33178), (399, 33187), (402, 33193), (478, 33418),

Gene: West99_33 Start: 32811, Stop: 33974, Start Num: 53

Candidate Starts for West99_33:

(28, 32664), (Start: 51 @32805 has 11 MA's), (Start: 53 @32811 has 276 MA's), (67, 32850), (76, 32880), (Start: 91 @32925 has 1 MA's), (Start: 107 @32970 has 59 MA's), (155, 33069), (180, 33129), (192, 33165), (205, 33189), (227, 33234), (229, 33240), (249, 33291), (271, 33330), (274, 33333), (280, 33345), (289, 33360), (315, 33384), (329, 33417), (360, 33498), (370, 33543), (384, 33591), (396, 33627), (399, 33636), (402, 33642), (478, 33867),

Gene: Whirlwind_23 Start: 22004, Stop: 23203, Start Num: 56

Candidate Starts for Whirlwind_23:

(Start: 56 @22004 has 99 MA's), (100, 22136), (123, 22184), (144, 22229), (147, 22235), (162, 22271), (179, 22310), (181, 22316), (183, 22322), (201, 22364), (235, 22436), (254, 22484), (261, 22496), (263, 22502), (306, 22571), (337, 22640), (360, 22733), (366, 22769), (383, 22823), (389, 22841), (451, 23033), (486, 23141),

Gene: Windsor_32 Start: 32070, Stop: 33230, Start Num: 53

Candidate Starts for Windsor_32:

(Start: 53 @32070 has 276 MA's), (Start: 91 @32181 has 1 MA's), (Start: 107 @32226 has 59 MA's), (155, 32325), (180, 32385), (192, 32421), (205, 32445), (227, 32490), (229, 32496), (249, 32547), (271, 32586), (274, 32589), (280, 32601), (315, 32640), (329, 32673), (360, 32754), (370, 32799), (384, 32847), (396, 32883), (399, 32892), (402, 32898), (478, 33123),

Gene: Wintermute_29 Start: 24585, Stop: 25589, Start Num: 107

Candidate Starts for Wintermute_29:

(Start: 107 @24585 has 59 MA's), (140, 24654), (181, 24753), (196, 24798), (222, 24858), (227, 24867), (239, 24903), (261, 24948), (276, 24969), (279, 24975), (280, 24978), (360, 25110), (361, 25113), (394, 25236), (402, 25257), (484, 25524),

Gene: Woes_30 Start: 38617, Stop: 39519, Start Num: 163

Candidate Starts for Woes_30:

(Start: 163 @38617 has 33 MA's), (222, 38755), (255, 38824), (281, 38872), (310, 38935), (330, 38971), (473, 39391), (493, 39496),

Gene: Wojtek_32 Start: 28749, Stop: 29798, Start Num: 101

Candidate Starts for Wojtek_32:

(Start: 101 @28749 has 21 MA's), (148, 28863), (164, 28905), (187, 28959), (192, 28974), (223, 29037), (336, 29262), (385, 29433), (469, 29661), (477, 29706),

Gene: Wyatt2_21 Start: 21688, Stop: 22860, Start Num: 56

Candidate Starts for Wyatt2_21:

(Start: 54 @21685 has 5 MA's), (Start: 56 @21688 has 99 MA's), (98, 21814), (117, 21856), (123, 21868), (Start: 125 @21871 has 1 MA's), (141, 21904), (145, 21916), (165, 21964), (173, 21982), (187, 22018), (192, 22033), (219, 22084), (233, 22114), (248, 22156), (260, 22180), (282, 22216), (286, 22222), (307, 22249), (320, 22267), (349, 22360), (350, 22363), (367, 22447), (406, 22585), (410, 22603), (439, 22687),

Gene: Xavier_32 Start: 32087, Stop: 33247, Start Num: 53

Candidate Starts for Xavier_32:

(Start: 53 @32087 has 276 MA's), (Start: 91 @32198 has 1 MA's), (Start: 107 @32243 has 59 MA's), (155, 32342), (180, 32402), (192, 32438), (205, 32462), (227, 32507), (229, 32513), (249, 32564), (271, 32603), (274, 32606), (280, 32618), (315, 32657), (329, 32690), (360, 32771), (384, 32864), (396, 32900), (399, 32909), (402, 32915), (478, 33140),

Gene: Ximenita_29 Start: 22823, Stop: 23818, Start Num: 107

Candidate Starts for Ximenita_29:

(69, 22733), (Start: 107 @22823 has 59 MA's), (154, 22922), (Start: 156 @22928 has 3 MA's), (216, 23078), (248, 23159), (360, 23345), (361, 23348), (382, 23432), (448, 23627), (485, 23756), (490, 23777), (493, 23795),

Gene: Y10_29 Start: 24585, Stop: 25589, Start Num: 107

Candidate Starts for Y10_29:

(Start: 107 @24585 has 59 MA's), (140, 24654), (181, 24753), (196, 24798), (197, 24804), (222, 24858), (227, 24867), (239, 24903), (261, 24948), (276, 24969), (279, 24975), (280, 24978), (360, 25110), (361, 25113), (394, 25236), (402, 25257), (484, 25524),

Gene: Y2_29 Start: 24585, Stop: 25589, Start Num: 107

Candidate Starts for Y2_29:

(Start: 107 @24585 has 59 MA's), (140, 24654), (181, 24753), (196, 24798), (197, 24804), (222, 24858), (227, 24867), (239, 24903), (261, 24948), (276, 24969), (279, 24975), (280, 24978), (360, 25110), (361, 25113), (394, 25236), (402, 25257), (484, 25524),

Gene: Yahalom_33 Start: 32232, Stop: 33434, Start Num: 56

Candidate Starts for Yahalom_33:

(Start: 56 @32232 has 99 MA's), (66, 32265), (119, 32409), (126, 32418), (130, 32427), (147, 32466), (150, 32475), (158, 32493), (165, 32511), (173, 32529), (176, 32535), (181, 32547), (187, 32565), (192, 32580), (210, 32613), (222, 32640), (241, 32685), (284, 32766), (298, 32793), (316, 32811), (324, 32829), (339, 32871), (366, 33000), (394, 33090), (418, 33192), (443, 33249), (446, 33258), (464, 33297), (480, 33369), (493, 33411),

Gene: Yikes_34 Start: 30133, Stop: 31182, Start Num: 101

Candidate Starts for Yikes_34:

(Start: 101 @30133 has 21 MA's), (148, 30247), (164, 30289), (187, 30343), (192, 30358), (223, 30421), (385, 30817), (422, 30952), (469, 31045),

Gene: Yinz_33 Start: 32255, Stop: 33457, Start Num: 56

Candidate Starts for Yinz_33:

(Start: 56 @32255 has 99 MA's), (66, 32288), (119, 32432), (126, 32441), (130, 32450), (147, 32489), (150, 32498), (158, 32516), (165, 32534), (173, 32552), (176, 32558), (181, 32570), (187, 32588), (192, 32603), (210, 32636), (222, 32663), (241, 32708), (284, 32789), (298, 32816), (316, 32834), (324, 32852), (339, 32894), (366, 33023), (374, 33032), (394, 33113), (418, 33215), (443, 33272), (446, 33281), (464, 33320), (480, 33392), (493, 33434),

Gene: Yoshand_33 Start: 32373, Stop: 33533, Start Num: 53

Candidate Starts for Yoshand_33:

(Start: 53 @32373 has 276 MA's), (Start: 91 @32484 has 1 MA's), (Start: 107 @32529 has 59 MA's), (155, 32628), (180, 32688), (192, 32724), (205, 32748), (227, 32793), (229, 32799), (249, 32850), (271, 32889), (274, 32892), (280, 32904), (289, 32919), (315, 32943), (329, 32976), (360, 33057), (370, 33102), (384, 33150), (396, 33186), (399, 33195), (402, 33201), (478, 33426),

Gene: YouGoGlencoco_33 Start: 32368, Stop: 33528, Start Num: 53

Candidate Starts for YouGoGlencoco_33:

(Start: 53 @32368 has 276 MA's), (Start: 91 @32479 has 1 MA's), (Start: 107 @32524 has 59 MA's), (155, 32623), (180, 32683), (192, 32719), (205, 32743), (227, 32788), (229, 32794), (249, 32845), (271, 32884), (274, 32887), (280, 32899), (289, 32914), (315, 32938), (329, 32971), (360, 33052), (370, 33097), (384, 33145), (396, 33181), (399, 33190), (402, 33196), (478, 33421),

Gene: YoureAdopted_27 Start: 23292, Stop: 24305, Start Num: 106

Candidate Starts for YoureAdopted_27:

(12, 22848), (32, 22995), (Start: 90 @23247 has 1 MA's), (Start: 106 @23292 has 87 MA's), (Start: 156 @23403 has 3 MA's), (197, 23517), (248, 23634), (273, 23676), (280, 23688), (329, 23742), (360, 23820), (384, 23916), (390, 23928), (398, 23958), (402, 23967), (405, 24000), (434, 24081), (464, 24150),

Gene: Yuna_29 Start: 23206, Stop: 24168, Start Num: 106

Candidate Starts for Yuna_29:

(Start: 106 @23206 has 87 MA's), (220, 23476), (223, 23485), (236, 23518), (241, 23530), (244, 23539), (257, 23566), (350, 23689), (361, 23740), (380, 23809), (385, 23830), (427, 23950),

Gene: Yunkel11_28 Start: 22542, Stop: 23603, Start Num: 106

Candidate Starts for Yunkel11_28:

(Start: 106 @22542 has 87 MA's), (Start: 156 @22656 has 3 MA's), (197, 22770), (207, 22791), (244, 22878), (253, 22899), (257, 22905), (345, 23013), (360, 23073), (386, 23193), (387, 23199), (388, 23205), (405, 23295), (452, 23421), (460, 23436),

Gene: Zabiza_29 Start: 23434, Stop: 24336, Start Num: 156

Candidate Starts for Zabiza_29:

(12, 22879), (32, 23026), (Start: 90 @23278 has 1 MA's), (Start: 106 @23323 has 87 MA's), (Start: 156 @23434 has 3 MA's), (197, 23548), (248, 23665), (273, 23707), (280, 23719), (329, 23773), (360, 23851), (384, 23947), (390, 23959), (398, 23989), (402, 23998), (434, 24112), (464, 24181),

Gene: Zaider_34 Start: 32598, Stop: 33758, Start Num: 53

Candidate Starts for Zaider_34:

(Start: 53 @32598 has 276 MA's), (Start: 91 @32709 has 1 MA's), (Start: 107 @32754 has 59 MA's), (155, 32853), (180, 32913), (192, 32949), (205, 32973), (227, 33018), (229, 33024), (249, 33075),

(271, 33114), (274, 33117), (280, 33129), (289, 33144), (315, 33168), (329, 33201), (360, 33282), (370, 33327), (384, 33375), (396, 33411), (399, 33420), (402, 33426), (478, 33651),

Gene: Zany_32 Start: 29660, Stop: 30706, Start Num: 101

Candidate Starts for Zany_32:

(Start: 101 @29660 has 21 MA's), (148, 29774), (157, 29795), (187, 29870), (192, 29885), (223, 29948), (246, 30008), (308, 30110), (385, 30344),

Gene: Zaria_21 Start: 21702, Stop: 22874, Start Num: 56

Candidate Starts for Zaria_21:

(Start: 54 @21699 has 5 MA's), (Start: 56 @21702 has 99 MA's), (98, 21828), (117, 21870), (123, 21882), (Start: 125 @21885 has 1 MA's), (141, 21918), (145, 21930), (149, 21939), (165, 21978), (173, 21996), (187, 22032), (192, 22047), (219, 22098), (233, 22128), (248, 22170), (260, 22194), (282, 22230), (286, 22236), (307, 22263), (320, 22281), (349, 22374), (350, 22377), (367, 22461), (406, 22599), (410, 22617), (439, 22701),

Gene: Zavala_28 Start: 23298, Stop: 24311, Start Num: 106

Candidate Starts for Zavala_28:

(12, 22854), (Start: 90 @23253 has 1 MA's), (Start: 106 @23298 has 87 MA's), (197, 23523), (248, 23640), (273, 23682), (280, 23694), (329, 23748), (360, 23826), (384, 23922), (390, 23934), (398, 23964), (402, 23973), (434, 24087), (464, 24156),

Gene: Zelda_33 Start: 32415, Stop: 33575, Start Num: 53

Candidate Starts for Zelda_33:

(Start: 53 @32415 has 276 MA's), (Start: 91 @32526 has 1 MA's), (Start: 107 @32571 has 59 MA's), (155, 32670), (180, 32730), (192, 32766), (205, 32790), (227, 32835), (229, 32841), (249, 32892), (271, 32931), (274, 32934), (280, 32946), (315, 32985), (329, 33018), (360, 33099), (370, 33144), (384, 33192), (396, 33228), (399, 33237), (402, 33243), (478, 33468),

Gene: Zemanar_31 Start: 32608, Stop: 33765, Start Num: 56

Candidate Starts for Zemanar_31:

(Start: 56 @32608 has 99 MA's), (85, 32701), (Start: 91 @32716 has 1 MA's), (97, 32731), (100, 32743), (Start: 107 @32761 has 59 MA's), (132, 32803), (171, 32902), (176, 32911), (183, 32929), (192, 32956), (206, 32971), (210, 32977), (214, 32983), (217, 32989), (231, 33016), (235, 33025), (247, 33058), (279, 33091), (321, 33151), (338, 33181), (339, 33187), (349, 33232), (361, 33286), (362, 33289), (402, 33433), (449, 33586),

Gene: Zenteno07_35 Start: 31167, Stop: 32306, Start Num: 50

Candidate Starts for Zenteno07_35:

(20, 30954), (Start: 50 @31167 has 1 MA's), (64, 31209), (79, 31257), (Start: 91 @31287 has 1 MA's), (Start: 101 @31308 has 21 MA's), (127, 31368), (147, 31416), (148, 31419), (150, 31425), (162, 31452), (171, 31476), (176, 31485), (194, 31536), (249, 31656), (259, 31674), (362, 31860), (376, 31905), (397, 31989), (402, 32001), (409, 32040), (434, 32118),

Gene: ZoeJ_25 Start: 21223, Stop: 22245, Start Num: 107

Candidate Starts for ZoeJ_25:

(43, 21040), (69, 21139), (Start: 107 @21223 has 59 MA's), (154, 21325), (174, 21379), (177, 21385), (196, 21439), (197, 21445), (199, 21448), (234, 21526), (242, 21547), (243, 21550), (273, 21604), (362, 21754), (491, 22213), (493, 22222),

Gene: Zonia_33 Start: 32387, Stop: 33547, Start Num: 53

Candidate Starts for Zonia_33:

(Start: 53 @32387 has 276 MA's), (Start: 91 @32498 has 1 MA's), (Start: 107 @32543 has 59 MA's),
(155, 32642), (180, 32702), (192, 32738), (205, 32762), (227, 32807), (229, 32813), (249, 32864),
(271, 32903), (274, 32906), (280, 32918), (289, 32933), (315, 32957), (329, 32990), (360, 33071),
(370, 33116), (384, 33164), (396, 33200), (399, 33209), (402, 33215), (478, 33440),