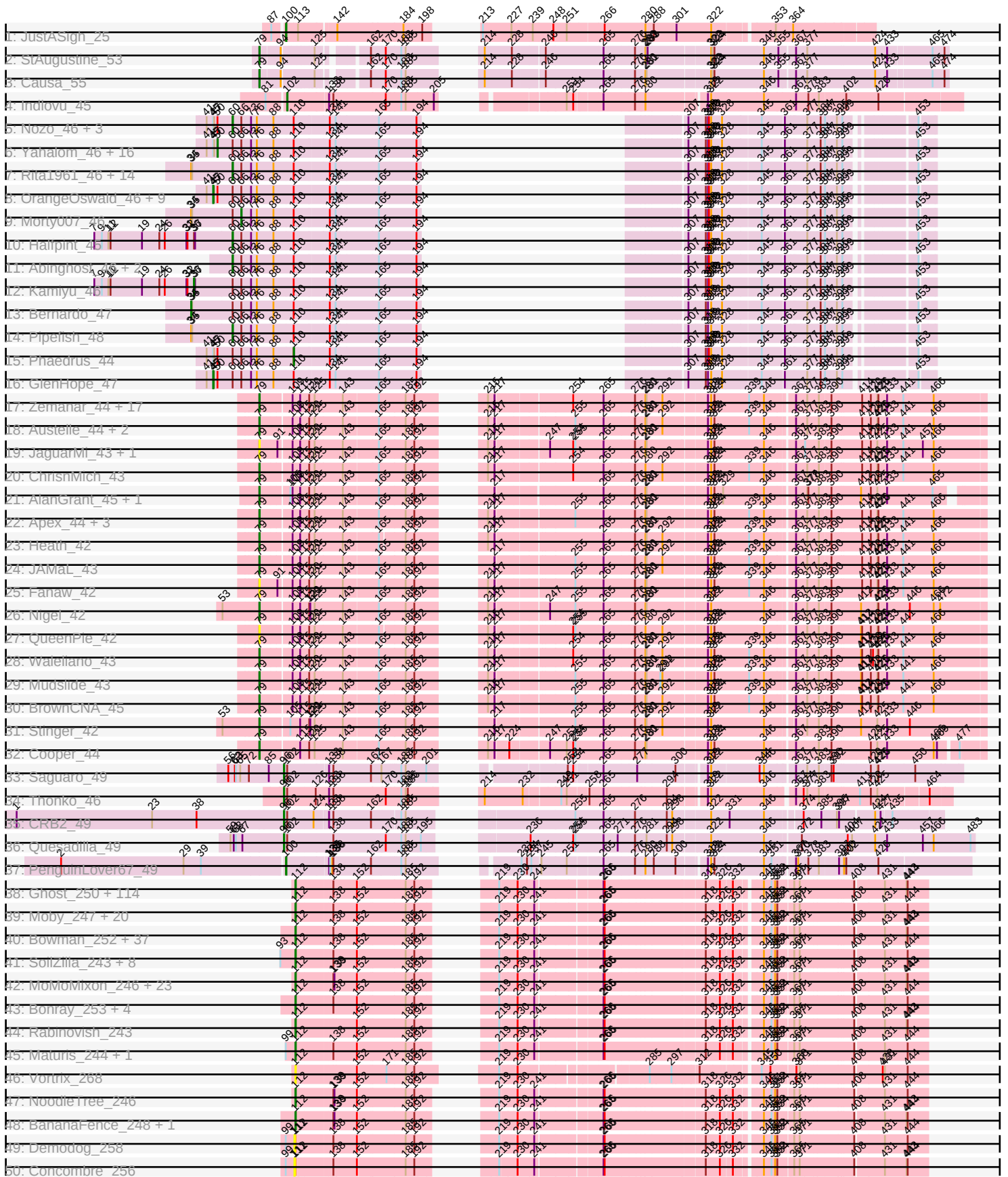
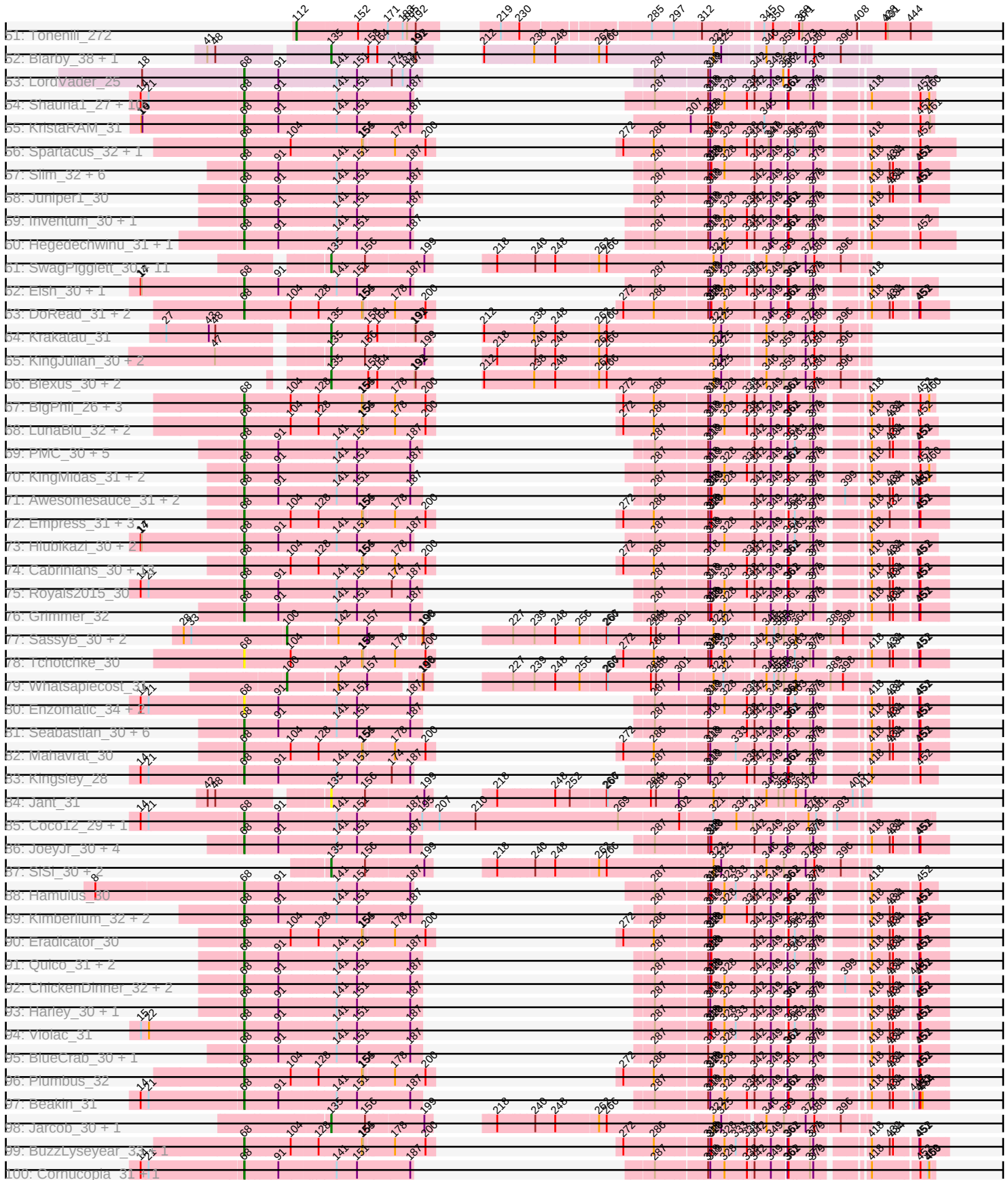


Pham 324643



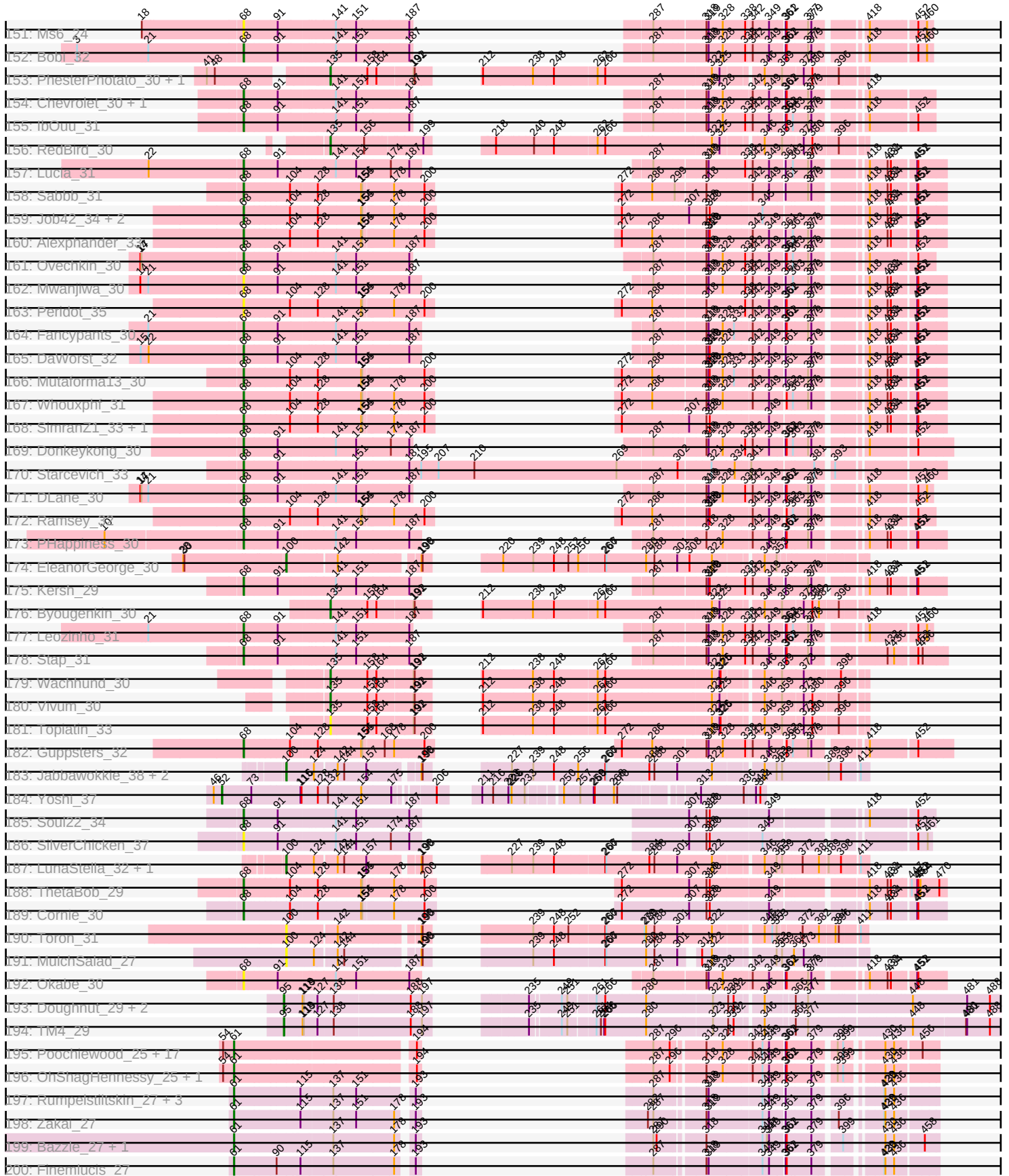
Pham 324643

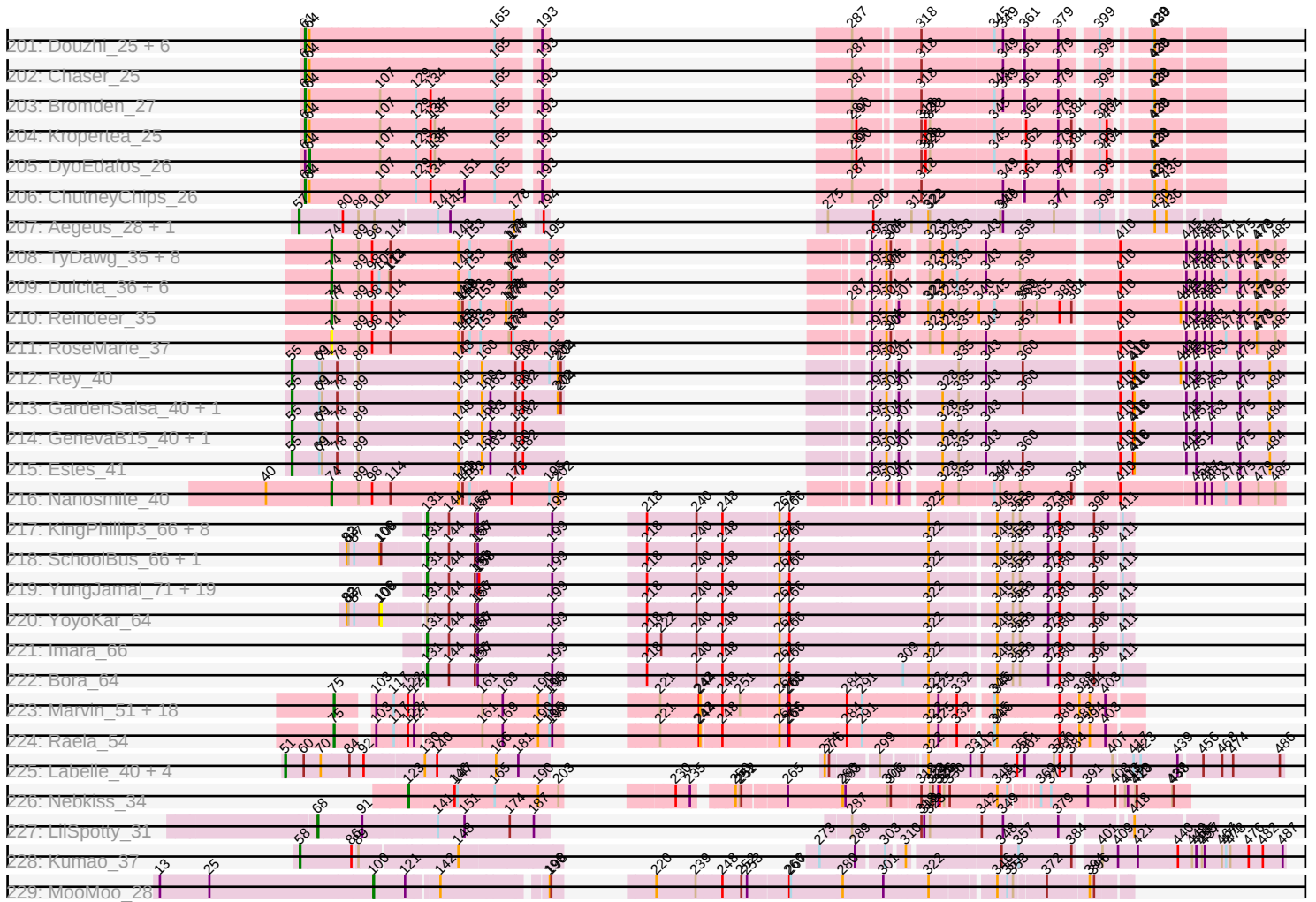


Pham 324643

[illegible]

Pham 324643





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 324643 Report

This analysis was run 09/05/26 on database version 662.

Pham number 324643 has 731 members, 83 are drafts.

Phages represented in each track:

- Track 1 : JustASigh_25
- Track 2 : StAugustine_53
- Track 3 : Causa_55
- Track 4 : Indlovu_45
- Track 5 : Nozo_46, Glubnar_47, SwainyDoc_46, ChaChing_46
- Track 6 : Yahalom_46, Daisy_46, Marlia_46, Corofin_46, Heathcliff_46, Chandler_46, Deenasa_46, Shenandoah_46, SynergyX_46, Chalmers_46, Phlyer_46, Yinz_46, RomaT_46, Akoma_46, RagingRooster_46, Tydolla_46, Kronus_45
- Track 7 : Rita1961_46, Obutu_46, Gervas_46, Mortcellus_45, Devonte_46, Casbah_45, LestyG_46, TinyTerror_46, MmasiCarm_46, Ben11_45, Olivio_45, Phayeta_47, Marley1013_46, SlippinJimmy_46, Chentzyk_46
- Track 8 : OrangeOswald_46, Philly_45, Compostia_47, Athena_47, Jackstina_43, Mulaychimus_46, Gadget_47, Briakila_47, Neos5_46, HarveySr_46
- Track 9 : Morty007_46
- Track 10 : Halfpint_45
- Track 11 : Abinghost_46, Baloo_46, Audrey_46
- Track 12 : Kamiyu_46
- Track 13 : Bernardo_47
- Track 14 : Pipefish_48
- Track 15 : Phaedrus_44
- Track 16 : GlenHope_47
- Track 17 : Zemanar_44, Hally898_42, Lambano_42, Fortunato_44, Epah_42, LittleDigger_42, Nanao_42, GinPorsche_43, Antihero_42, BobbyK_44, JoyceMaria_43, Magpie_42, Lolalove_44, RawrgerThat_44, Renkei_42, Ahwei_42, Frederick_44, Poster_42
- Track 18 : Austelle_44, Hangman_43, Mithril_43
- Track 19 : JaguarMi_43, Xincheng_42
- Track 20 : ChrisnMich_43
- Track 21 : AlanGrant_45, Vincenzo_44
- Track 22 : Apex_44, Hydro_43, VioletZ_45, Prince_43
- Track 23 : Heath_42
- Track 24 : JAMaL_43
- Track 25 : Fanaw_42
- Track 26 : Nigel_42
- Track 27 : QueenPie_42
- Track 28 : Waleliano_43

- Track 29 : Mudslide_43
- Track 30 : BrownCNA_45
- Track 31 : Stinger_42
- Track 32 : Cooper_44
- Track 33 : Saguaro_49
- Track 34 : Thonko_46
- Track 35 : CRB2_49
- Track 36 : Quesadilla_49
- Track 37 : PenguinLover67_49
- Track 38 : Ghost_250, Pier_249, Pivoine_251, ScottMcG_242, EmmaElysia_255, Kboogie_254, Naija_251, QBert_242, Roots515_253, Catera_239, LolaVinca_246, Phusco_249, Maguvora_251, Atlantean_250, Shnickers_249, ChickenPhender_246, MikeLiesIn_251, Fongie_250, Cali_240, DirtMonster_239, InigoMontoya_254, Gamgam_252, Grungle_232, YemiJoy2021_251, Tortoise16_248, ShiaLabeouf_248, Dietrick_239, Momo_252, Quasimodo_253, I3_260, ArcherS7_251, Sprinklers_248, Delylah_252, Adlitam_250, ParkTD_249, Derek_246, SmallFry_251, Rahel_252, Bipolarisk_248, JustHall_244, Babyland_253, BigCity_258, BackyardAgain_245, SilverDipper_255, Caravan_240, NuevoMundo_252, Halldule_242, Littleton_254, EggyFarm_258, ValleyTerrace_251, BeanWater_243, Spec_245, Ewok_249, DTDevon_251, LRRHood_242, Melpomini_245, Loanshark_247, Jedediah_252, EasyJones_251, Latch_250, Mangeria_250, Burrough_251, JigglyPuff_256, NedWong_249, Pio_257, Grasshills_257, Amataga_251, Jaygup_247, DrPhinkDaddy_247, Turret_241, ChaylaJr_249, Capablanca_255, Zeenon_251, Delilah_248, Breeniome_250, GoldenSnow_249, Pleione_254, Gabriel_253, Zalkecks_249, Bangla1971_251, Tyke_247, Drazdys_247, Bxz1_236, LifeSavor_251, Pupusa_253, Labradorite_247, Koguma_249, Izajani_246, Daffodil_256, GlutenPhree_251, Jezreel_247, YoungMoneyMata_250, Shelob_251, Puhon_251, Megamind_247, Iota_247, Audrick_253, Wally_248, Matsumoto_248, Spud_242, Napoleon13_247, Ngannou_245, Fludd_250, Ava3_247, Jemmno_250, Chomp_249, Dessert_251, Phox_251, Rizal_239, Substance289_246, Norm_250, Essence_248, Sauce_247, Willis_251, Phlegm_255
- Track 39 : Moby_247, Jessibeth14_250, Rocha_246, Moiqah_246, Shaqnato_241, Khaleesi_249, CharlieB_245, Colt_240, JulietS_239, Montpel_247, Blubba_237, JayJay_250, Lunareta_247, Cane17_239, HyRo_235, Shifa_226, Blackdragon_245, McWolfish_247, DeejaClivia_237, SVoro_245, Sebata_250
- Track 40 : Bowman_252, Fixie_243, Trinitium_247, Chargie21_248, Yucca_251, Specks_255, FoxtrotP1_249, FudgeTart_246, SrishMeg2525_248, McGee_252, JPickles_248, TinyTim_249, Ablatia_250, Salacia_252, ZygoTaiga_247, Gizmo_256, Morizzled23_248, Janiyra_254, Ading_253, BobaPhatt_244, Cactojaque_245, Teardrop_249, StubbySaigey_257, Blackbrain_249, Belieber_244, Primadonna_246, Maby2021_251, Lee7_255, ErnieJ_244, PharkleMinkus_251, OrediggerDelux_252, Basquiat_248, Bread_247, Astraea_246, Erdmann_252, Shrimp_253, SiwenD96_253, EmToTheThree_251
- Track 41 : SoilZilla_243, Stubby_233, Pinkcreek_230, Yassified_246, ET08_236, Ronan_246, Duckfeet_244, LinStu_247, Alice_236
- Track 42 : MoMoMixon_246, Nappy_249, Bezza_244, RoMag_245, Dandelion_256, Bigswole_255, Domi_244, Guwapp_246, Naval22_257, InterFolia_252, BadAgartude_244, StephanieG_244, Mikro_244, IkeLoa_244, LookingGlass_248, Lethe_248, CindyLou_251, Lukilu_239, Tainan_250, Patter_252, LordLeafolot_251, Kamryn_249, Nidhogg_251, FrayBell_253
- Track 43 : Bonray_253, Asterius_251, Cleatunium_242, PurduePete_251, Issimir_244
- Track 44 : Rabinovish_243

- Track 45 : Maturis_244, Flabslab_245
- Track 46 : Vortrix_268
- Track 47 : NoodleTree_246
- Track 48 : BananaFence_248, Darko_250
- Track 49 : Demodog_258
- Track 50 : Concombre_256
- Track 51 : Tonenili_272
- Track 52 : Blarby_38, XFactor_30
- Track 53 : LordVader_25
- Track 54 : Shauna1_27, MilleniumForce_31, Brushbloom_31, Brookers_28, Ardmore_29, DeadP_30, Doomslug_33, Kenuha5_27, Phanphagia_27, Taj_30, Wee_31
- Track 55 : KristaRAM_31
- Track 56 : Spartacus_32, Bubbles123_32
- Track 57 : Slim_32, Emmaloid_32, GigiOuiOui_30, Phasih_31, Veteran_30, Mantra_30, GUmbie_30
- Track 58 : Juniper1_30
- Track 59 : Inventum_30, Sassafras_30
- Track 60 : Hegedechwinu_31, Juice456_31
- Track 61 : SwagPiggett_30, Yorick_30, NormanBulbieJr_30, Zizzle_30, Martik_30, Maravista_30, LilMoolah_30, Lizziana_30, ByChance_30, Nivrat_30, ShowerHandel_30, Burwell21_30
- Track 62 : Eish_30, Medindi_31
- Track 63 : DoRead_31, LittleShirley_33, Rialto_34
- Track 64 : Krakatau_31
- Track 65 : KingJulian_30, Corium_30, PatoPoderoso_30
- Track 66 : Blexus_30, Leperchaun_30, Pacc40_30
- Track 67 : BigPhil_26, Cerasum_26, Sarma624_26, Velveteen_26
- Track 68 : LunaBlu_32, Galactic_31, MinionDave_32
- Track 69 : PMC_30, Rockne_30, Phatniss_31, UncleRicky_33, Llij_30, Drago_31
- Track 70 : KingMidas_31, Akhila_24, MilanaBonita_24
- Track 71 : Awesomesauce_31, Misha28_31, TootsiePop_31
- Track 72 : Empress_31, Sandalphon_31, OldBen_30, Dante_30
- Track 73 : Hlubikazi_30, Mandlovu_30, Strokeseat_30
- Track 74 : Cabrinians_30, Gorge_30, Spoonbill_30, Sparkdehlily_30, DRBy19_30, FreddyB_30, Saal_30, Totinger_31, Nichirin_30, Radiance_30, OlympiaSaint_30, Philus_30, Priscilla_30, TDanisky_30
- Track 75 : Royals2015_30
- Track 76 : Grimmer_32
- Track 77 : SassyB_30, Seagreen_31, PopTart_30
- Track 78 : Tchotchke_30
- Track 79 : Whatsapiecost_31
- Track 80 : Enzomatic_34, SeaLumen_33, Polo2Bam_34
- Track 81 : Seabastian_30, Jinglebell_29, OfUltron_30, Llama_30, Modragons_30, Oksu_31, AlpineSix_31
- Track 82 : Mahavrat_30
- Track 83 : Kingsley_28
- Track 84 : Jant_31
- Track 85 : Coco12_29, JalFarm20_32
- Track 86 : JoeyJr_30, Poenanya_30, Scottish_31, Doomphist_30, Daenerys_30
- Track 87 : SiSi_30, DillTech15_30, Fastidio_32
- Track 88 : Hamulus_30
- Track 89 : Kimberlium_32, MulchExplorer_32, QuickMath_31

- Track 90 : Eradicator_30
- Track 91 : Quico_31, Girafales_31, Florinda_30
- Track 92 : ChickenDinner_32, Aloeri_32, DocMcStuffins_32
- Track 93 : Harley_30, Ibhubesi_30
- Track 94 : Violac_31
- Track 95 : BlueCrab_30, Nimbo_30
- Track 96 : Plumbus_32
- Track 97 : Beakin_31
- Track 98 : Jarcob_30, ShiLan_30
- Track 99 : BuzzLyseyear_33, Spikelee_32
- Track 100 : Cornucopia_31, VRedHorse_30
- Track 101 : Girr_31, Ruby_31, MisterCuddles_31
- Track 102 : RockyHorror_31, Zerg_30
- Track 103 : Fruitloop_29, Batiatus_30, Filuzino_30, Melissauren88_30
- Track 104 : LastJedi_24, Koella_24, Jennelsea_24, Clifton_24
- Track 105 : Cheesepuff_33
- Track 106 : Enby_31, SG4_30, Lorde_31
- Track 107 : Pollywog_30
- Track 108 : EmiMonkey_31, PhlipPhlop_31
- Track 109 : StAnnes_28
- Track 110 : Emma_32
- Track 111 : WillSterrel_32, IrishSherpFalk_32
- Track 112 : Piper2020_32
- Track 113 : IMpilo_29
- Track 114 : Madiba_28
- Track 115 : DaddyRickover_30, Dorothy_30
- Track 116 : James_30, Mattes_30, BobaPhett_30
- Track 117 : Tweety_30
- Track 118 : Latretium_31
- Track 119 : Ochi17_28
- Track 120 : Frankie_33
- Track 121 : Deb65_30, Geralt_30
- Track 122 : BodEinwohner17_30
- Track 123 : Rita_31, SuperGrey_31
- Track 124 : Marker_31
- Track 125 : Chuckly_30, Renaud18_30
- Track 126 : DirtMcgirt_31
- Track 127 : Aubs_30
- Track 128 : Flathead_30, Doug_31
- Track 129 : Pippy_24, Brocalys_25
- Track 130 : Tootsieroll_31
- Track 131 : Beanstalk_32
- Track 132 : Ogopogo_30
- Track 133 : Polka14_31
- Track 134 : ShroomBoi_27, Mova_31
- Track 135 : CaptainTrips_31
- Track 136 : Bipolar_27
- Track 137 : Hades_31
- Track 138 : RitaG_31
- Track 139 : Firehouse51_31
- Track 140 : OwlsT2W_31
- Track 141 : Crumble_24
- Track 142 : Moonbeam_31

- Track 143 : Mozy_31
- Track 144 : Estave1_28
- Track 145 : MadMen_27
- Track 146 : Nitze1_31
- Track 147 : Gandalph_31, Clank_28
- Track 148 : Che8_32
- Track 149 : DotProduct_30
- Track 150 : Karhdo_30
- Track 151 : Ms6_24
- Track 152 : Bobi_32
- Track 153 : PhesterPhotato_30, Phalconet_30
- Track 154 : Chevrolet_30, ArcusAngelus_30
- Track 155 : IbOuu_31
- Track 156 : RedBird_30
- Track 157 : Lucia_31
- Track 158 : Sabbb_31
- Track 159 : Job42_34, DosHalletts_32, Minnie_32
- Track 160 : Alexphander_33
- Track 161 : Ovechkin_30
- Track 162 : Mwanjiwa_30
- Track 163 : Peridot_35
- Track 164 : Fancypants_30
- Track 165 : DaWorst_32
- Track 166 : Mutaforma13_30
- Track 167 : Whouxphf_31
- Track 168 : SimranZ1_33, Boomer_32
- Track 169 : Donkeykong_30
- Track 170 : Starceвич_33
- Track 171 : DLane_30
- Track 172 : Ramsey_32
- Track 173 : PHappiness_30
- Track 174 : EleanorGeorge_30
- Track 175 : Kersh_29
- Track 176 : Byougenkin_30
- Track 177 : Leozinho_31
- Track 178 : Stap_31
- Track 179 : Wachhund_30
- Track 180 : Vivum_30
- Track 181 : Topiatin_33
- Track 182 : Guppsters_32
- Track 183 : Jabbawokkie_38, Zapner_37, Demsculpinboyz_35
- Track 184 : Yoshi_37
- Track 185 : Soul22_34
- Track 186 : SilverChicken_37
- Track 187 : LunaStella_32, TChen_30
- Track 188 : ThetaBob_29
- Track 189 : Cornie_30
- Track 190 : Toron_31
- Track 191 : MulchSalad_27
- Track 192 : Okabe_30
- Track 193 : Doughnut_29, Mufasa_29, BoostSeason_29
- Track 194 : TM4_29

- Track 195 : Poochiewood_25, Tyson_25, Wamburggrxpress_25, UPIE_25, Silverleaf_25, LeBron_25, AvadaKedavra_25, Rose5_25, Acquire49_25, Enceladus_25, Appletree2_25, Calm_25, CicholasNage_25, Zaria_25, Halena_25, Wyatt2_25, MAckerman_25, DirkDirk_25
- Track 196 : OhShagHennessy_25, JoeDirt_25
- Track 197 : Rumpelstiltskin_27, Gabriela_27, SoJulia_28, Rossetti_27
- Track 198 : Zakai_27
- Track 199 : Bazzle_27, Archie_27
- Track 200 : Finemlucis_27
- Track 201 : Douzhi_25, FarmResident_25, Sheng711_25, Quby_25, BrainDrainer_26, PYPDinur_25, Douge_25
- Track 202 : Chaser_25
- Track 203 : Bromden_27
- Track 204 : Kropertea_25
- Track 205 : DyoEdafos_26
- Track 206 : ChutneyChips_26
- Track 207 : Aegeus_28, Baudelaire_28
- Track 208 : TyDawg_35, FreakyGoo_36, Skinny_36, LilhomieP_34, Bricole_35, Bongo_35, TpuDiCK_36, IPHane7_35, PegLeg_35
- Track 209 : Dulcita_36, Auspice_35, Diminimus_36, SlimJimmy_34, Izel_36, Glaske16_36, KleverKiS_35
- Track 210 : Reindeer_35
- Track 211 : RoseMarie_37
- Track 212 : Rey_40
- Track 213 : GardenSalsa_40, MrMagoo_40
- Track 214 : GenevaB15_40, Aziz_40
- Track 215 : Estes_41
- Track 216 : Nanosmite_40
- Track 217 : KingPhillip3_66, JangDynasty_66, TelAviv_63, Catdawg_66, MadKillah_67, Idergollasper_66, Zebo_66, Schuy_67, Blessica_67
- Track 218 : SchoolBus_66, Familton_67
- Track 219 : YungJamal_71, Shida_66, Ryadel_70, Vorrrps_66, Vagabond_66, Wogge42_65, Corndog_69, Dylan_66, Alkhayr_66, Firecracker_67, Smooch_69, Murai_67, FoulBall_66, Winget_67, Wildflower_66, Krili_65, Ashwin_68, Mori_66, NiebruSaylor_65, Zakhe101_65
- Track 220 : YoyoKar_64
- Track 221 : Imara_66
- Track 222 : Bora_64
- Track 223 : Marvin_51, Poise_54, Beelzebub_58, Pringar_54, Blackbeetle_54, Huphlepuuff_56, GoongGoong_53, MosMoris_52, Caprice_53, Clarkson_55, Gattaca_53, Tesla_52, Lilbit_53, JoieB_55, RedRaider77_53, Corazon_52, FeliMaine_56, LittleLaf_54, VasuNzinga_54
- Track 224 : Raela_54
- Track 225 : Labelle_40, Patience_41, SuperSonics_40, Demikore_41, Madrugua_39
- Track 226 : Nebkiss_34
- Track 227 : LilSpotty_31
- Track 228 : Kumao_37
- Track 229 : MooMoo_28

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

The start number called the most often in the published annotations is 68, it was called in 192 of the 648 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akhila_24, Alexphander_33, Aloeri_32, AlpineSix_31, ArcusAngelus_30, Ardmore_29, Aubs_30, Awesomesauce_31, Batiatus_30, Beakin_31, BigPhil_26, Bipolar_27, BlueCrab_30, BobaPhett_30, Bobi_32, BodEinwohner17_30, Boomer_32, Brocalys_25, Brookers_28, Brushbloom_31, Bubbles123_32, BuzzLyseyear_33, Cabrinians_30, Cerasum_26, Che8_32, Chevrolet_30, ChickenDinner_32, Clank_28, Coco12_29, Cornie_30, Cornucopia_31, Crumble_24, DLane_30, DRBy19_30, DaWorst_32, Daenerys_30, Dante_30, DeadP_30, Deb65_30, DirtMcgirt_31, DoRead_31, DocMcStuffins_32, Donkeykong_30, Doomphist_30, Doomslug_33, DosHalletts_32, DotProduct_30, Doug_31, Drago_31, Eish_30, EmiMonkey_31, Emma_32, Emmaloid_32, Empress_31, Enzomatic_34, Eradicator_30, Estave1_28, Fancypants_30, Filuzino_30, Flathead_30, Florinda_30, FreddyB_30, Fruitloop_29, GUmbie_30, Galactic_31, Gandolph_31, Geralt_30, GigiOuiOui_30, Girafales_31, Girr_31, Gorge_30, Grimmer_32, Guppsters_32, Hades_31, Hamulus_30, Harley_30, Hegedechwinu_31, Hlubikazi_30, IbOuu_31, Ibhubesi_30, Inventum_30, IrishSherpFalk_32, JalFarm20_32, James_30, Jinglebell_29, Job42_34, JoeyJr_30, Juice456_31, Juniper1_30, Karhdo_30, Kenuha5_27, Kersh_29, Kimberlium_32, KingMidas_31, Kingsley_28, KristaRAM_31, Latretium_31, Leozinho_31, LilSpotty_31, LittleShirley_33, Llama_30, Llij_30, LordVader_25, Lucia_31, LunaBlu_32, MadMen_27, Madiba_28, Mahavrat_30, Mandlovu_30, Mantra_30, Marker_31, Mattes_30, Medindi_31, Melissauren88_30, MilanaBonita_24, MilleniumForce_31, MinionDave_32, Minnie_32, Misha28_31, MisterCuddles_31, Modragons_30, Mova_31, Mozy_31, Ms6_24, MulchExplorer_32, Mutaforma13_30, Mwanjiwa_30, Nichirin_30, Nimbo_30, Nitzel_31, Ochi17_28, OfUltron_30, Ogopogo_30, Okabe_30, Oksu_31, OldBen_30, OlympiaSaint_30, Ovechkin_30, OwlsT2W_31, PHappiness_30, PMC_30, Peridot_35, Phanphagia_27, Phasih_31, Phatniss_31, Philus_30, PhilipPhlop_31, Piper2020_32, Pippy_24, Plumbus_32, Poenanya_30, Polka14_31, Pollywog_30, Polo2Bam_34, Priscilla_30, QuickMath_31, Quico_31, Radiance_30, Ramsey_32, Rialto_34, RitaG_31, Rita_31, Rockne_30, RockyHorror_31, Royals2015_30, Ruby_31, Saal_30, Sabbb_31, Sandalphon_31, Sarma624_26, Sassafras_30, Scottish_31, SeaLumen_33, Seabastian_30, Shauna1_27, ShroomBoi_27, SilverChicken_37, SimranZ1_33, Slim_32, Soul22_34, Sparkdehlily_30, Spartacus_32, Spikelee_32, Spoonbill_30, StAnnes_28, Stap_31, Starcevich_33, Strokeseat_30, SuperGrey_31, TDanisky_30, Taj_30, Tchotchke_30, ThetaBob_29, TootsiePop_31, Tootsieroll_31, Totinger_31, Tweety_30, UncleRicky_33, VRedHorse_30, Velveteen_26, Veteran_30, Violac_31, Wee_31, Whouxphf_31, WillSterrel_32, Zerg_30,

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

-

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

- Abinghost_46, Ablatia_250, Acquire49_25, Ading_253, Adlitam_250, Aegeus_28, Ahwei_42, Akoma_46, AlanGrant_45, Alice_236, Alkhayr_66, Amataga_251, Antihero_42, Apex_44, Appletree2_25, ArcherS7_251, Archie_27, Ashwin_68, Asterius_251, Astraea_246, Athena_47, Atlantean_250, Audrey_46, Audrick_253, Auspice_35, Austelle_44, Ava3_247, AvadaKedavra_25, Aziz_40, Babyland_253, BackyardAgain_245, BadAgartude_244, Baloo_46, BananaFence_248, Bangla1971_251, Basquiat_248, Baudelaire_28, Bazzle_27, BeanWater_243,

Beanstalk_32, Beelzebub_58, Belieber_244, Ben11_45, Bernardo_47, Bezza_244, BigCity_258, Bigswole_255, Bipolarisk_248, Blackbeetle_54, Blackbrain_249, Blackdragon_245, Blarby_38, Blessica_67, Blexus_30, Blubba_237, BobaPhatt_244, BobbyK_44, Bongo_35, Bonray_253, BoostSeason_29, Bora_64, Bowman_252, BrainDrainer_26, Bread_247, Breeniome_250, Briakila_47, Bricole_35, Bromden_27, BrownCNA_45, Burrough_251, Burwell21_30, Bxz1_236, ByChance_30, Byougenkin_30, CRB2_49, Cactojaque_245, Cali_240, Calm_25, Cane17_239, Capablanca_255, Caprice_53, CaptainTrips_31, Caravan_240, Casbah_45, Catdawg_66, Catera_239, Causa_55, ChaChing_46, Chalmers_46, Chandler_46, Chargie21_248, CharlieB_245, Chaser_25, ChaylaJr_249, CheesePuff_33, Chentzyk_46, ChickenPhender_246, Chomp_249, ChrisnMich_43, Chuckly_30, ChutneyChips_26, CicholasNage_25, CindyLou_251, Clarkson_55, Cleatunium_242, Clifton_24, Colt_240, Compostia_47, Concombre_256, Cooper_44, Corazon_52, Corium_30, Corndog_69, Corofin_46, DTDevon_251, DaddyRickover_30, Daffodil_256, Daisy_46, Dandelion_256, Darko_250, DeejaClivia_237, Deenasa_46, Delilah_248, Delylah_252, Demikore_41, Demodog_258, Demsculpinboyz_35, Derek_246, Dessert_251, Devonte_46, Dietrick_239, DillTech15_30, Diminimus_36, DirkDirk_25, DirtMonster_239, Domi_244, Dorothy_30, Douge_25, Doughnut_29, Douzhi_25, DrPhinkDaddy_247, Drazdys_247, Duckfeet_244, Dulcita_36, Dylan_66, DyoEdafos_26, ET08_236, EasyJones_251, EggyFarm_258, EleanorGeorge_30, EmToTheThree_251, EmmaElysia_255, Enby_31, Enceladus_25, Epah_42, Erdmann_252, ErnieJ_244, Essence_248, Estes_41, Ewok_249, Familton_67, Fanaw_42, FarmResident_25, Fastidio_32, FeliMaine_56, Finemlucis_27, Firecracker_67, Firehouse51_31, Fixie_243, FlabsLab_245, Fludd_250, Fongie_250, Fortunato_44, FoulBall_66, FoxtrotP1_249, Frankie_33, FrayBell_253, FreakyGoo_36, Frederick_44, FudgeTart_246, Gabriel_253, Gabriela_27, Gadget_47, Gamgam_252, GardenSalsa_40, Gattaca_53, GenevaB15_40, Gervas_46, Ghost_250, GinPorsche_43, Gizmo_256, Glaske16_36, GlenHope_47, Glubnar_47, GlutenPhree_251, GoldenSnow_249, GoongGoong_53, Grasshills_257, Grungle_232, Guwapp_246, Halena_25, Halfpint_45, Halldule_242, Hally898_42, Hangman_43, HarveySr_46, Heath_42, Heathcliff_46, HuphlePuff_56, HyRo_235, Hydro_43, I3_260, IPiLo_29, IPHane7_35, Idergollasper_66, IkeLoa_244, Imara_66, Indlovu_45, InigoMontoya_254, InterFolia_252, Iota_247, Issimir_244, Izajani_246, Izel_36, JAMaL_43, JPickles_248, Jabbawokkie_38, Jackstina_43, JaguarMi_43, JangDynasty_66, JaniYra_254, Jant_31, JarcoB_30, JayJay_250, Jaygup_247, Jedediah_252, Jemmno_250, JennelSea_24, Jessibeth14_250, Jezreel_247, JigglyPuff_256, JoeDirt_25, JoieB_55, JoyceMaria_43, JulietS_239, JustASigh_25, JustHall_244, Kamiyu_46, Kamryn_249, Kboogie_254, Khaleesi_249, KingJulian_30, KingPhillip3_66, KleverKiS_35, Koella_24, Koguma_249, Krakatau_31, Krili_65, Kronus_45, Kropertea_25, Kumao_37, LRRHood_242, Labelle_40, Labradorite_247, Lambano_42, LastJedi_24, Latch_250, LeBron_25, Lee7_255, Leperchaun_30, LestyG_46, Lethe_248, LifeSavor_251, LilMoolah_30, Lilbit_53, LilhomieP_34, LinStu_247, LittleDigger_42, LittleLaf_54, Littleton_254, Lizziana_30, Loanshark_247, LolaVinca_246, Lolalove_44, LookingGlass_248, LordLeafolot_251, Lorde_31, Lukilu_239, LunaStella_32, Lunareta_247, MAckerman_25, Maby2021_251, MadKillah_67, Madruga_39, Magpie_42, Maguvora_251, Mangeria_250, Maravista_30, Marley1013_46, Marlia_46, Martik_30, Marvin_51, Matsumoto_248, Maturis_244, McGee_252, McWolfish_247, Megamind_247, Melpomini_245, MikeLiesIn_251, Mikro_244, Mithril_43, MmasiCarm_46, MoMoMixon_246, Moby_247, Moiqah_246, Momo_252, Montpel_247, MooMoo_28, Moonbeam_31, Mori_66, Morizzled23_248, Mortcellus_45, Morty007_46, MosMoris_52, MrMagoo_40, Mudslide_43, Mufasa_29, Mulaychimus_46, MulchSalad_27, Murai_67, Naija_251, Nanao_42, Nanosmite_40, Napoleon13_247, Nappy_249,

Naval22_257, Nebkiss_34, NedWong_249, Neos5_46, Ngannou_245, Nidhogg_251, NiebruSaylor_65, Nigel_42, Nivrat_30, NoodleTree_246, Norm_250, NormanBulbieJr_30, Nozo_46, NuevoMundo_252, Obutu_46, OhShagHennessy_25, Olivio_45, OrangeOswald_46, OrediggerDelux_252, PYPDinur_25, Pacc40_30, ParkTD_249, Patience_41, PatoPoderoso_30, Patter_252, PegLeg_35, PenguinLover67_49, Phaedrus_44, Phalconet_30, PharkleMinkus_251, Phayeta_47, PhesterPhotato_30, Philly_45, Phlegm_255, Phlyer_46, Phox_251, Phusco_249, Pier_249, Pinkcreek_230, Pio_257, Pipefish_48, Pivoine_251, Pleione_254, Poise_54, Poochiewood_25, PopTart_30, Poster_42, Primadonna_246, Prince_43, Pringar_54, Puhon_251, Pupusa_253, PurduePete_251, QBert_242, Quasimodo_253, Quby_25, QueenPie_42, Quesadilla_49, Rabinovish_243, Raela_54, RagingRooster_46, Rahel_252, RawrgerThat_44, RedBird_30, RedRaider77_53, Reindeer_35, Renaud18_30, Renkei_42, Rey_40, Rita1961_46, Rizal_239, RoMag_245, Rocha_246, RomaT_46, Ronan_246, Roots515_253, Rose5_25, RoseMarie_37, Rossetti_27, Rumpelstiltskin_27, Ryadel_70, SG4_30, SVoro_245, Saguaro_49, Salacia_252, SassyB_30, Sauce_247, SchoolBus_66, Schuy_67, ScottMcG_242, Seagreen_31, Sebata_250, Shaqnato_241, Shelob_251, Shenandoah_46, Sheng711_25, ShiLan_30, ShiaLabeouf_248, Shida_66, Shifa_226, Shnickers_249, ShowerHandel_30, Shrimp_253, SiSi_30, SilverDipper_255, Silverleaf_25, SiwenD96_253, Skinny_36, SlimJimmy_34, SlippinJimmy_46, SmallFry_251, Smooch_69, SoJulia_28, SoilZilla_243, Spec_245, Specks_255, Sprinklers_248, Spud_242, SrishMeg2525_248, StAugustine_53, StephanieG_244, Stinger_42, StubbySaigey_257, Stubby_233, Substance289_246, SuperSonics_40, SwagPiggett_30, SwainyDoc_46, SynergyX_46, TChen_30, TM4_29, Tainan_250, Teardrop_249, TelAviv_63, Tesla_52, Thonko_46, TinyTerror_46, TinyTim_249, Tonenili_272, Topiatin_33, Toron_31, Tortoise16_248, TpudiCK_36, Trinitium_247, Turret_241, TyDawg_35, Tydolla_46, Tyke_247, Tyson_25, UPIE_25, Vagabond_66, ValleyTerrace_251, VasuNzinga_54, Vincenzo_44, VioletZ_45, Vivum_30, Vorrrps_66, Vortrix_268, Wachhund_30, Waleliano_43, Wally_248, Wamburgxpress_25, Whatsapiecost_31, Wildflower_66, Willis_251, Winget_67, Wogge42_65, Wyatt2_25, XFactor_30, Xincheng_42, Yahalom_46, Yassified_246, YemiJoy2021_251, YinZ_46, Yorick_30, Yoshi_37, YoungMoneyMata_250, YoyoKar_64, Yucca_251, YungJamal_71, Zakai_27, Zakhe101_65, Zalkecks_249, Zapner_37, Zaria_25, Zebo_66, Zeenon_251, Zemanar_44, Zizzle_30, ZygoTaiga_247,

Summary by start number:

Start 34:

- Found in 18 of 731 (2.5%) of genes in pham
- Manual Annotations of this start: 1 of 648
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Bernardo_47 (B3),

Start 36:

- Found in 2 of 731 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 648
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Kamiyu_46 (B3),

Start 45:

- Found in 33 of 731 (4.5%) of genes in pham
- Manual Annotations of this start: 11 of 648

- Called 33.3% of time when present
- Phage (with cluster) where this start called: Athena_47 (B3), Briakila_47 (B3), Compostia_47 (B3), Gadget_47 (B3), GlenHope_47 (B3), HarveySr_46 (B3), Jackstina_43 (B3), Mulaychimus_46 (B3), Neos5_46 (B3), OrangeOswald_46 (B3), Philly_45 (B3),

Start 50:

- Found in 33 of 731 (4.5%) of genes in pham
- Manual Annotations of this start: 16 of 648
- Called 51.5% of time when present
- Phage (with cluster) where this start called: Akoma_46 (B3), Chalmers_46 (B3), Chandler_46 (B3), Corofin_46 (B3), Daisy_46 (B3), Deenasa_46 (B3), Heathcliff_46 (B3), Kronus_45 (B3), Marlia_46 (B3), Phlyer_46 (B3), RagingRooster_46 (B3), RomaT_46 (B3), Shenandoah_46 (B3), SynergyX_46 (B3), Tydolla_46 (B3), Yahalom_46 (B3), Yinz_46 (B3),

Start 51:

- Found in 5 of 731 (0.7%) of genes in pham
- Manual Annotations of this start: 3 of 648
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Demikore_41 (U), Labelle_40 (U), Madrugua_39 (U), Patience_41 (U), SuperSonics_40 (U),

Start 52:

- Found in 2 of 731 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 648
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Frankie_33 (F1), Yoshi_37 (F2),

Start 55:

- Found in 6 of 731 (0.8%) of genes in pham
- Manual Annotations of this start: 6 of 648
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aziz_40 (M2), Estes_41 (M2), GardenSalsa_40 (M2), GenevaB15_40 (M2), MrMagoo_40 (M2), Rey_40 (M2),

Start 57:

- Found in 2 of 731 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 648
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aegeus_28 (L5), Baudelaire_28 (L5),

Start 58:

- Found in 1 of 731 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 648
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumao_37 (singleton),

Start 60:

- Found in 61 of 731 (8.3%) of genes in pham
- Manual Annotations of this start: 22 of 648
- Called 39.3% of time when present

- Phage (with cluster) where this start called: Abinghost_46 (B3), Audrey_46 (B3), Baloo_46 (B3), Ben11_45 (B3), Casbah_45 (B3), ChaChing_46 (B3), Chentzyk_46 (B3), Devonte_46 (B3), Gervas_46 (B3), Glubnar_47 (B3), Halfpint_45 (B3), LestyG_46 (B3), Marley1013_46 (B3), MmasiCarm_46 (B3), Mortcellus_45 (B3), Nozo_46 (B3), Obutu_46 (B3), Olivio_45 (B3), Phayeta_47 (B3), Pipefish_48 (B3), Rita1961_46 (B3), SlippinJimmy_46 (B3), SwainyDoc_46 (B3), TinyTerror_46 (B3),

Start 61:

- Found in 41 of 731 (5.6%) of genes in pham
- Manual Annotations of this start: 30 of 648
- Called 95.1% of time when present
- Phage (with cluster) where this start called: Acquire49_25 (L1), Appletree2_25 (L1), Archie_27 (L2), AvadaKedavra_25 (L1), Bazzle_27 (L2), BrainDrainer_26 (L4), Bromden_27 (L4), Calm_25 (L1), Chaser_25 (L4), ChutneyChips_26 (L4), CicholasNage_25 (L1), DirkDirk_25 (L1), Douge_25 (L4), Douzhi_25 (L4), Enceladus_25 (L1), FarmResident_25 (L4), Finemlucis_27 (L2), Gabriela_27 (L2), Halena_25 (L1), JoeDirt_25 (L1), Kropertea_25 (L4), LeBron_25 (L1), MAckerman_25 (L1), OhShagHennessy_25 (L1), PYPDinur_25 (L4), Poochiewood_25 (L1), Quby_25 (L4), Rose5_25 (L1), Rossetti_27 (L2), Rumpelstiltskin_27 (L2), Sheng711_25 (L4), Silverleaf_25 (L1), SoJulia_28 (L2), Tyson_25 (L1), UPIE_25 (L1), Wamburgxpress_25 (L1), Wyatt2_25 (L1), Zakai_27 (L2), Zaria_25 (L1),

Start 64:

- Found in 12 of 731 (1.6%) of genes in pham
- Manual Annotations of this start: 1 of 648
- Called 8.3% of time when present
- Phage (with cluster) where this start called: DyoEdafos_26 (L4),

Start 66:

- Found in 56 of 731 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 648
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Morty007_46 (B3),

Start 68:

- Found in 206 of 731 (28.2%) of genes in pham
- Manual Annotations of this start: 192 of 648
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Akhila_24 (F1), Alexphander_33 (F1), Aloeri_32 (F1), AlpineSix_31 (F1), ArcusAngelus_30 (F1), Ardmore_29 (F1), Aubs_30 (F1), Awesomesauce_31 (F1), Batiatus_30 (F1), Beakin_31 (F1), BigPhil_26 (F1), Bipolar_27 (F1), BlueCrab_30 (F1), BobaPhett_30 (F1), Bobi_32 (F1), BodEinwohner17_30 (F1), Boomer_32 (F1), Brocalys_25 (F1), Brookers_28 (F1), Brushbloom_31 (F1), Bubbles123_32 (F1), BuzzLyseyear_33 (F1), Cabrinians_30 (F1), Cerasum_26 (F1), Che8_32 (F1), Chevrolet_30 (F1), ChickenDinner_32 (F1), Clank_28 (F), Coco12_29 (F1), Cornie_30 (F5), Cornucopia_31 (F1), Crumble_24 (F1), DLane_30 (F1), DRBy19_30 (F1), DaWorst_32 (F1), Daenerys_30 (F1), Dante_30 (F1), DeadP_30 (F1), Deb65_30 (F1), DirtMcgirt_31 (F1), DoRead_31 (F1), DocMcStuffs_32 (F1), Donkeykong_30 (F1), Doomphist_30 (F1), Doomslug_33 (F), DosHalletts_32 (F1), DotProduct_30 (F1), Doug_31 (F1), Drago_31 (F1), Eish_30 (F1), EmiMonkey_31 (F1), Emma_32 (F1), Emmaloid_32 (F1), Empress_31 (F1), Enzomatic_34 (F1), Eradicator_30 (F1), Estave1_28 (F1), Fancypants_30 (F1), Filuzino_30 (F1), Flathead_30 (F1), Florinda_30 (F1), FreddyB_30 (F1), Fruitloop_29

(F1), GUmble_30 (F1), Galactic_31 (F1), Gandolph_31 (F1), Geralt_30 (F1), GigiOuiOui_30 (F1), Girafales_31 (F1), Girr_31 (F1), Gorge_30 (F1), Grimmer_32 (F1), Guppsters_32 (F1), Hadēs_31 (F1), Hamulus_30 (F1), Harley_30 (F1), Hegedechwinu_31 (F1), Hlubikazi_30 (F1), IbOuu_31 (F1), Ibhubesi_30 (F1), Inventum_30 (F1), IrishSherpFalk_32 (F1), JalFarm20_32 (F1), James_30 (F1), Jinglebell_29 (F1), Job42_34 (F1), JoeyJr_30 (F1), Juice456_31 (F1), Juniper1_30 (F1), Karhdo_30 (F1), Kenuha5_27 (F1), Kersh_29 (F1), Kimberlium_32 (F1), KingMidas_31 (F1), Kingsley_28 (F1), KristaRAM_31 (F1), Latretium_31 (F1), Leozinho_31 (F1), LilSpotty_31 (singleton), LittleShirley_33 (F1), Llama_30 (F1), Llij_30 (F1), LordVader_25 (F), Lucia_31 (F1), LunaBlu_32 (F1), MadMen_27 (F1), Madiba_28 (F1), Mahavrat_30 (F1), Mandlovu_30 (F1), Mantra_30 (F1), Marker_31 (F1), Mattes_30 (F1), Medindi_31 (F1), Melissauren88_30 (F1), MilanaBonita_24 (F1), MilleniumForce_31 (F1), MinionDave_32 (F1), Minnie_32 (F1), Misha28_31 (F1), MisterCuddles_31 (F1), Modragons_30 (F1), Mova_31 (F1), Mozy_31 (F1), Ms6_24 (F1), MulchExplorer_32 (F1), Mutaforma13_30 (F1), Mwanjiwa_30 (F1), Nichirin_30 (F1), Nimbo_30 (F1), Nitzel_31 (F1), Ochi17_28 (F1), OfUltron_30 (F1), Ogopogo_30 (F1), Okabe_30 (F8), Oksu_31 (F1), OldBen_30 (F1), OlympiaSaint_30 (F1), Ovechkin_30 (F1), OwlsT2W_31 (F1), PHappiness_30 (F1), PMC_30 (F1), Peridot_35 (F1), Phanphagia_27 (F1), Phasih_31 (F1), Phatniss_31 (F1), Philus_30 (F1), PhilipPhlop_31 (F1), Piper2020_32 (F1), Pippy_24 (F1), Plumbus_32 (F1), Poenanya_30 (F1), Polka14_31 (F1), Pollywog_30 (F1), Polo2Bam_34 (F1), Priscilla_30 (F1), QuickMath_31 (F1), Quico_31 (F1), Radiance_30 (F1), Ramsey_32 (F1), Rialto_34 (F1), RitaG_31 (F1), Rita_31 (F1), Rockne_30 (F1), RockyHorror_31 (F1), Royals2015_30 (F1), Ruby_31 (F1), Saal_30 (F1), Sabbbb_31 (F1), Sandalphon_31 (F1), Sarma624_26 (F1), Sassafras_30 (F1), Scottish_31 (F1), SeaLumen_33 (F1), Seabastian_30 (F1), Shauna1_27 (F1), ShroomBoi_27 (F1), SilverChicken_37 (F2), SimranZ1_33 (F1), Slim_32 (F1), Soul22_34 (F2), Sparkdehlily_30 (F1), Spartacus_32 (F1), Spikelee_32 (F1), Spoonbill_30 (F1), StAnnes_28 (F1), Stap_31 (F1), Starceвич_33 (F1), Strokeseat_30 (F1), SuperGrey_31 (F1), TDanisky_30 (F1), Taj_30 (F1), Tchotchke_30 (F1), ThetaBob_29 (F4), TootsiePop_31 (F1), Tootsieroll_31 (F1), Totinger_31 (F1), Tweety_30 (F1), UncleRicky_33 (F1), VRedHorse_30 (F1), Velveteen_26 (F1), Veteran_30 (F1), Violac_31 (F1), Wee_31 (F1), Whouxphf_31 (F1), WillSterrel_32 (F1), Zerg_30 (F1),

Start 74:

- Found in 19 of 731 (2.6%) of genes in pham
- Manual Annotations of this start: 16 of 648
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auspice_35 (M1), Bongo_35 (M1), Bricole_35 (M1), Diminimus_36 (M1), Dulcita_36 (M1), FreakyGoo_36 (M1), Glaske16_36 (M1), IPhane7_35 (M1), Izel_36 (M1), KleverKiS_35 (M1), LilhomieP_34 (M1), Nanosmite_40 (M3), PegLeg_35 (M1), Reindeer_35 (M1), RoseMarie_37 (M1), Skinny_36 (M1), SlimJimmy_34 (M1), TpudiCK_36 (M1), TyDawg_35 (M1),

Start 75:

- Found in 20 of 731 (2.7%) of genes in pham
- Manual Annotations of this start: 20 of 648
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beelzebub_58 (S), Blackbeetle_54 (S), Caprice_53 (S), Clarkson_55 (S), Corazon_52 (S), FeliMaine_56 (S), Gattaca_53 (S), GoongGoong_53 (S), Huphlepuuff_56 (S), JoieB_55 (S), Lilbit_53 (S), LittleLaf_54 (S),

Marvin_51 (S), MosMoris_52 (S), Poise_54 (S), Pringar_54 (S), Raela_54 (S), RedRaider77_53 (S), Tesla_52 (S), VasuNzinga_54 (S),

Start 79:

- Found in 42 of 731 (5.7%) of genes in pham
- Manual Annotations of this start: 31 of 648
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ahwei_42 (B4), AlanGrant_45 (B4), Antihero_42 (B4), Apex_44 (B4), Austelle_44 (B4), BobbyK_44 (B4), BrownCNA_45 (B4), Causa_55 (A1), ChrisnMich_43 (B4), Cooper_44 (B4), Epah_42 (B4), Fanaw_42 (B4), Fortunato_44 (B4), Frederick_44 (B4), GinPorsche_43 (B4), Hally898_42 (B4), Hangman_43 (B4), Heath_42 (B4), Hydro_43 (B4), JAMaL_43 (B4), JaguarMi_43 (B4), JoyceMaria_43 (B4), Lambano_42 (B4), LittleDigger_42 (B4), Lolalove_44 (B4), Magpie_42 (B4), Mithril_43 (B4), Mudslide_43 (B4), Nanao_42 (B4), Nigel_42 (B4), Poster_42 (B4), Prince_43 (B4), QueenPie_42 (B4), RawrgerThat_44 (B4), Renkei_42 (B4), StAugustine_53 (A1), Stinger_42 (B4), Vincenzo_44 (B4), VioletZ_45 (B4), Waleliano_43 (B4), Xincheng_42 (B4), Zemanar_44 (B4),

Start 95:

- Found in 4 of 731 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 648
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_29 (K2), Doughnut_29 (K2), Mufasa_29 (K2), TM4_29 (K2),

Start 96:

- Found in 4 of 731 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 648
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CRB2_49 (B9), Quesadilla_49 (B9), Saguaro_49 (B7), Thonko_46 (B8),

Start 100:

- Found in 20 of 731 (2.7%) of genes in pham
- Manual Annotations of this start: 18 of 648
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CheesePuff_33 (F1), Demsculpinboyz_35 (F2), EleanorGeorge_30 (F1), Enby_31 (F1), Firehouse51_31 (F1), Jabbawokkie_38 (F2), JustASigh_25 (A1), Lorde_31 (F1), LunaStella_32 (F4), MooMoo_28 (singleton), MulchSalad_27 (F7), PenguinLover67_49 (B9), PopTart_30 (F1), SG4_30 (F1), SassyB_30 (F1), Seagreen_31 (F1), TChen_30 (F4), Toron_31 (F6), Whatsapiecost_31 (F1), Zapner_37 (F2),

Start 102:

- Found in 5 of 731 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 648
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Indlovu_45 (B11),

Start 108:

- Found in 3 of 731 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present

- Phage (with cluster) where this start called: YoyoKar_64 (O),

Start 110:

- Found in 56 of 731 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 648
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Phaedrus_44 (B3),

Start 111:

- Found in 2 of 731 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Concombre_256 (C1), Demodog_258 (C1),

Start 112:

- Found in 222 of 731 (30.4%) of genes in pham
- Manual Annotations of this start: 191 of 648
- Called 99.1% of time when present
- Phage (with cluster) where this start called: Ablatia_250 (C1), Ading_253 (C1), Adlitam_250 (C1), Alice_236 (C1), Amataga_251 (C1), ArcherS7_251 (C1), Asterius_251 (C1), Astraea_246 (C1), Atlantean_250 (C1), Audrick_253 (C1), Ava3_247 (C1), Babyland_253 (C1), BackyardAgain_245 (C1), BadAgartude_244 (C1), BananaFence_248 (C1), Bangla1971_251 (C1), Basquiat_248 (C1), BeanWater_243 (C1), Belieber_244 (C1), Bezza_244 (C1), BigCity_258 (C1), Bigswole_255 (C1), Bipolarisk_248 (C1), Blackbrain_249 (C1), Blackdragon_245 (C1), Blubba_237 (C1), BobaPhatt_244 (C1), Bonray_253 (C1), Bowman_252 (C1), Bread_247 (C1), Breeniome_250 (C1), Burrough_251 (C1), Bxz1_236 (C1), Cactojaque_245 (C1), Cali_240 (C1), Cane17_239 (C1), Capablanca_255 (C1), Caravan_240 (C1), Catera_239 (C1), Chargie21_248 (C1), CharlieB_245 (C1), ChaylaJr_249 (C1), ChickenPhender_246 (C1), Chomp_249 (C1), CindyLou_251 (C1), Cleatunium_242 (C1), Colt_240 (C1), DTDevon_251 (C1), Daffodil_256 (C1), Dandelion_256 (C1), Darko_250 (C1), DeejaClivia_237 (C1), Delilah_248 (C1), Delylah_252 (C1), Derek_246 (C1), Dessert_251 (C1), Dietrick_239 (C1), DirtMonster_239 (C1), Domi_244 (C1), DrPhinkDaddy_247 (C1), Drazdys_247 (C1), Duckfeet_244 (C1), ET08_236 (C1), EasyJones_251 (C1), EgggyFarm_258 (C1), EmToTheThree_251 (C1), EmmaElysia_255 (C1), Erdmann_252 (C1), ErnieJ_244 (C1), Essence_248 (C1), Ewok_249 (C1), Fixie_243 (C1), Flabslab_245 (C1), Fludd_250 (C1), Fongie_250 (C1), FoxtrotP1_249 (C1), FrayBell_253 (C1), FudgeTart_246 (C1), Gabriel_253 (C1), Gamgam_252 (C1), Ghost_250 (C1), Gizmo_256 (C1), GlutenPhree_251 (C1), GoldenSnow_249 (C1), Grasshills_257 (C1), Grungle_232 (C1), Guwapp_246 (C1), Halldule_242 (C1), HyRo_235 (C1), I3_260 (C1), IkeLoa_244 (C1), InigoMontoya_254 (C1), InterFolia_252 (C1), Iota_247 (C1), Issimir_244 (C1), Izajani_246 (C1), JPickles_248 (C1), JaniYra_254 (C1), JayJay_250 (C1), Jaygup_247 (C1), Jedediah_252 (C1), Jemmno_250 (C1), Jessibeth14_250 (C1), Jezreel_247 (C1), JigglyPuff_256 (C1), JulietS_239 (C1), JustHall_244 (C1), Kamryn_249 (C1), Kboogie_254 (C1), Khaleesi_249 (C1), Koguma_249 (C1), LRRHood_242 (C1), Labradorite_247 (C1), Latch_250 (C1), Lee7_255 (C1), Lethe_248 (C1), LifeSavor_251 (C1), LinStu_247 (C1), Littleton_254 (C1), Loanshark_247 (C1), LolaVinca_246 (C1), LookingGlass_248 (C1), LordLeafolot_251 (C1), Lukilu_239 (C1), Lunareta_247 (C1), Maby2021_251 (C1), Maguvora_251 (C1), Mangeria_250 (C1), Matsumoto_248 (C1), Maturis_244 (C1), McGee_252 (C1), McWolfish_247 (C1), Megamind_247 (C1), Melpomini_245 (C1),

MikeLiesIn_251 (C1), Mikro_244 (C1), MoMoMixon_246 (C1), Moby_247 (C1), Moiqah_246 (C1), Momo_252 (C1), Montpel_247 (C1), Morizzled23_248 (C1), Naija_251 (C1), Napoleon13_247 (C1), Nappy_249 (C1), Naval22_257 (C1), NedWong_249 (C1), Ngannou_245 (C1), Nidhogg_251 (C1), NoodleTree_246 (C1), Norm_250 (C1), NuevoMundo_252 (C1), OrediggerDelux_252 (C1), ParkTD_249 (C1), Patter_252 (C1), PharkleMinkus_251 (C1), Phlegm_255 (C1), Phox_251 (C1), Phusco_249 (C1), Pier_249 (C1), Pinkcreek_230 (C1), Pio_257 (C1), Pivoine_251 (C1), Pleione_254 (C1), Primadonna_246 (C1), Puhon_251 (C1), Pupusa_253 (C1), PurduePete_251 (C1), QBert_242 (C1), Quasimodo_253 (C1), Rabinovich_243 (C1), Rahel_252 (C1), Rizal_239 (C1), RoMag_245 (C1), Rocha_246 (C1), Ronan_246 (C1), Roots515_253 (C1), SVoro_245 (C1), Salacia_252 (C1), Sauce_247 (C1), ScottMcG_242 (C1), Sebata_250 (C1), Shaqnato_241 (C1), Shelob_251 (C1), ShiaLabeouf_248 (C1), Shifa_226 (C1), Shnickers_249 (C1), Shrimp_253 (C1), SilverDipper_255 (C1), SiwenD96_253 (C1), SmallFry_251 (C1), SoilZilla_243 (C1), Spec_245 (C1), Specks_255 (C1), Sprinklers_248 (C1), Spud_242 (C1), SrishMeg2525_248 (C1), StephanieG_244 (C1), StubbySaigey_257 (C1), Stubby_233 (C1), Substance289_246 (C1), Tainan_250 (C1), Teardrop_249 (C1), TinyTim_249 (C1), Tonerili_272 (C1), Tortoise16_248 (C1), Trinitium_247 (C1), Turret_241 (C1), Tyke_247 (C1), ValleyTerrace_251 (C1), Vortrix_268 (C1), Wally_248 (C1), Willis_251 (C1), Yassified_246 (C1), YemiJoy2021_251 (C1), YoungMoneyMata_250 (C1), Yucca_251 (C1), Zalkecks_249 (C1), Zeenon_251 (C1), ZygoTaiga_247 (C1),

Start 123:

- Found in 1 of 731 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 648
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nebkiss_34 (X),

Start 131:

- Found in 34 of 731 (4.7%) of genes in pham
- Manual Annotations of this start: 32 of 648
- Called 97.1% of time when present
- Phage (with cluster) where this start called: Alkhayr_66 (O), Ashwin_68 (O), Blessica_67 (O), Bora_64 (O), Catdawg_66 (O), Corndog_69 (O), Dylan_66 (O), Familton_67 (O), Firecracker_67 (O), FoulBall_66 (O), Idergollasper_66 (O), Imara_66 (O), JangDynasty_66 (O), KingPhillip3_66 (O), Krili_65 (O), MadKillah_67 (O), Mori_66 (O), Murai_67 (O), NiebruSaylor_65 (O), Ryadel_70 (O), SchoolBus_66 (O), Schuy_67 (O), Shida_66 (O), Smooch_69 (O), TelAviv_63 (O), Vagabond_66 (O), Vorrrps_66 (O), Wildflower_66 (O), Winget_67 (O), Wogge42_65 (O), YungJamal_71 (O), Zakhe101_65 (O), Zebo_66 (O),

Start 135:

- Found in 47 of 731 (6.4%) of genes in pham
- Manual Annotations of this start: 40 of 648
- Called 97.9% of time when present
- Phage (with cluster) where this start called: Beanstalk_32 (F1), Blarby_38 (F), Blexus_30 (F1), Burwell21_30 (F1), ByChance_30 (F1), Byougenkin_30 (F1), CaptainTrips_31 (F1), Chuckly_30 (F1), Clifton_24 (F1), Corium_30 (F1), DaddyRickover_30 (F1), DillTech15_30 (F1), Dorothy_30 (F1), Fastidio_32 (F1), IMpilo_29 (F1), Jant_31 (F1), Jacob_30 (F1), Jennelsea_24 (F1), KingJulian_30 (F1), Koella_24 (F1), Krakatau_31 (F1), LastJedi_24 (F1), Leperchaun_30 (F1), LilMoolah_30 (F1), Lizziana_30 (F1), Maravista_30 (F1), Martik_30 (F1),

Moonbeam_31 (F1), Nivrat_30 (F1), NormanBulbieJr_30 (F1), Pacc40_30 (F1), PatoPoderoso_30 (F1), Phalconet_30 (F1), PhesterPhotato_30 (F1), RedBird_30 (F1), Renaud18_30 (F4), ShiLan_30 (F1), ShowerHandel_30 (F1), SiSi_30 (F1), SwagPigglett_30 (F1), Topiatin_33 (F1), Vivum_30 (F1), Wachhund_30 (F1), XFactor_30 (F1), Yorick_30 (F1), Zizzle_30 (F1),

Summary by clusters:

There are 30 clusters represented in this pham: singleton, M2, K2, M1, M3, B11, C1, F, AI, AH, O, S, L5, U, L1, X, F1, F2, F4, F5, F6, F7, F8, L4, B4, B7, B3, L2, B8, B9,

Info for manual annotations of cluster AH:

- Start number 100 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AI:

- Start number 79 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster B11:

- Start number 102 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B3:

- Start number 34 was manually annotated 1 time for cluster B3.
- Start number 36 was manually annotated 1 time for cluster B3.
- Start number 45 was manually annotated 11 times for cluster B3.
- Start number 50 was manually annotated 16 times for cluster B3.
- Start number 60 was manually annotated 22 times for cluster B3.
- Start number 66 was manually annotated 1 time for cluster B3.
- Start number 110 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster B4:

- Start number 79 was manually annotated 29 times for cluster B4.

Info for manual annotations of cluster B7:

- Start number 96 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 96 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 96 was manually annotated 2 times for cluster B9.
- Start number 100 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster C1:

- Start number 112 was manually annotated 191 times for cluster C1.

Info for manual annotations of cluster F:

- Start number 68 was manually annotated 1 time for cluster F.

Info for manual annotations of cluster F1:

- Start number 52 was manually annotated 1 time for cluster F1.
- Start number 68 was manually annotated 187 times for cluster F1.
- Start number 100 was manually annotated 10 times for cluster F1.
- Start number 135 was manually annotated 39 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 52 was manually annotated 1 time for cluster F2.
- Start number 68 was manually annotated 1 time for cluster F2.
- Start number 100 was manually annotated 3 times for cluster F2.

Info for manual annotations of cluster F4:

- Start number 68 was manually annotated 1 time for cluster F4.
- Start number 100 was manually annotated 2 times for cluster F4.
- Start number 135 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster F5:

- Start number 68 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster K2:

- Start number 95 was manually annotated 4 times for cluster K2.

Info for manual annotations of cluster L1:

- Start number 61 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 61 was manually annotated 6 times for cluster L2.

Info for manual annotations of cluster L4:

- Start number 61 was manually annotated 5 times for cluster L4.
- Start number 64 was manually annotated 1 time for cluster L4.

Info for manual annotations of cluster L5:

- Start number 57 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 74 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 55 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 74 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster O:

- Start number 131 was manually annotated 32 times for cluster O.

Info for manual annotations of cluster S:

- Start number 75 was manually annotated 20 times for cluster S.

Info for manual annotations of cluster U:

- Start number 51 was manually annotated 3 times for cluster U.

Info for manual annotations of cluster X:

- Start number 123 was manually annotated 1 time for cluster X.

Gene Information:

Gene: Abinghost_46 Start: 40308, Stop: 41531, Start Num: 60

Candidate Starts for Abinghost_46:

(Start: 60 @40308 has 22 MA's), (Start: 66 @40329 has 1 MA's), (73, 40356), (76, 40371), (88, 40413), (Start: 110 @40464 has 1 MA's), (134, 40554), (141, 40569), (165, 40683), (194, 40785), (307, 40947), (318, 40992), (319, 40998), (320, 41001), (322, 41007), (328, 41037), (345, 41139), (361, 41196), (377, 41247), (384, 41283), (387, 41295), (395, 41328), (399, 41343), (453, 41493),

Gene: Ablatia_250 Start: 142372, Stop: 143802, Start Num: 112

Candidate Starts for Ablatia_250:

(Start: 112 @142372 has 191 MA's), (138, 142462), (152, 142525), (185, 142648), (192, 142672), (219, 142756), (230, 142798), (241, 142840), (265, 143005), (266, 143008), (318, 143263), (326, 143302), (332, 143332), (346, 143395), (351, 143416), (352, 143425), (354, 143428), (365, 143461), (371, 143476), (408, 143611), (431, 143686), (443, 143743), (444, 143746),

Gene: Acquire49_25 Start: 24375, Stop: 25547, Start Num: 61

Candidate Starts for Acquire49_25:

(54, 24345), (Start: 61 @24375 has 30 MA's), (194, 24822), (287, 24900), (296, 24945), (318, 25020), (328, 25065), (342, 25140), (345, 25167), (349, 25185), (361, 25221), (362, 25224), (379, 25284), (395, 25335), (399, 25350), (430, 25419), (436, 25443), (456, 25503),

Gene: Ading_253 Start: 144805, Stop: 146235, Start Num: 112

Candidate Starts for Ading_253:

(Start: 112 @144805 has 191 MA's), (138, 144895), (152, 144958), (185, 145081), (192, 145105), (219, 145189), (230, 145231), (241, 145273), (265, 145438), (266, 145441), (318, 145696), (326, 145735), (332, 145765), (346, 145828), (351, 145849), (352, 145858), (354, 145861), (365, 145894), (371, 145909), (408, 146044), (431, 146119), (443, 146176), (444, 146179),

Gene: Adlitam_250 Start: 142960, Stop: 144390, Start Num: 112

Candidate Starts for Adlitam_250:

(Start: 112 @142960 has 191 MA's), (138, 143050), (152, 143113), (185, 143236), (192, 143260), (219, 143344), (230, 143386), (241, 143428), (265, 143593), (266, 143596), (318, 143851), (326, 143890), (332, 143920), (346, 143983), (351, 144004), (352, 144013), (354, 144016), (365, 144049), (371, 144064), (408, 144199), (431, 144274), (443, 144331), (444, 144334),

Gene: Aegeus_28 Start: 24440, Stop: 25621, Start Num: 57

Candidate Starts for Aegeus_28:

(Start: 57 @24440 has 2 MA's), (80, 24524), (89, 24557), (101, 24587), (141, 24701), (145, 24725), (178, 24854), (194, 24881), (275, 24914), (296, 25004), (311, 25082), (322, 25118), (323, 25121), (347, 25262), (349, 25268), (377, 25358), (399, 25433), (430, 25511), (436, 25535),

Gene: Ahwei_42 Start: 39523, Stop: 41259, Start Num: 79

Candidate Starts for Ahwei_42:

(Start: 79 @39523 has 31 MA's), (109, 39598), (115, 39616), (120, 39637), (125, 39652), (143, 39724), (165, 39817), (185, 39889), (192, 39913), (215, 40000), (217, 40015), (254, 40198), (265, 40279), (276, 40360), (280, 40384), (281, 40387), (292, 40429), (319, 40540), (322, 40549), (324, 40558), (339, 40654), (346, 40693), (367, 40762), (377, 40786), (383, 40813), (390, 40843), (414, 40921), (420, 40945), (425, 40963), (426, 40966), (433, 40990), (441, 41035), (466, 41119),

Gene: Akhila_24 Start: 22445, Stop: 23599, Start Num: 68

Candidate Starts for Akhila_24:

(Start: 68 @22445 has 192 MA's), (91, 22529), (141, 22679), (151, 22733), (187, 22874), (287, 22955), (318, 23081), (319, 23087), (328, 23126), (338, 23186), (342, 23201), (349, 23243), (361, 23279), (362, 23282), (377, 23333), (379, 23342), (418, 23456), (452, 23567), (460, 23588),

Gene: Akoma_46 Start: 40271, Stop: 41536, Start Num: 50

Candidate Starts for Akoma_46:

(41, 40241), (Start: 45 @40259 has 11 MA's), (47, 40262), (Start: 50 @40271 has 16 MA's), (Start: 60 @40313 has 22 MA's), (Start: 66 @40334 has 1 MA's), (73, 40361), (76, 40376), (88, 40418), (Start: 110 @40469 has 1 MA's), (134, 40559), (141, 40574), (165, 40688), (194, 40790), (307, 40952), (318, 40997), (319, 41003), (320, 41006), (322, 41012), (328, 41042), (345, 41144), (361, 41201), (377, 41252), (384, 41288), (387, 41300), (395, 41333), (399, 41348), (453, 41498),

Gene: AlanGrant_45 Start: 41174, Stop: 42871, Start Num: 79

Candidate Starts for AlanGrant_45:

(Start: 79 @41174 has 31 MA's), (105, 41243), (109, 41249), (115, 41267), (120, 41288), (125, 41303), (143, 41375), (165, 41468), (185, 41540), (192, 41564), (217, 41666), (265, 41927), (276, 42008), (280, 42032), (281, 42035), (319, 42188), (322, 42197), (324, 42206), (329, 42230), (346, 42341), (367, 42410), (377, 42434), (378, 42437), (383, 42461), (390, 42491), (412, 42566), (420, 42593), (425, 42611), (433, 42638), (465, 42764),

Gene: Alexphander_33 Start: 27007, Stop: 28281, Start Num: 68

Candidate Starts for Alexphander_33:

(Start: 68 @27007 has 192 MA's), (104, 27127), (128, 27199), (154, 27316), (155, 27319), (178, 27397), (200, 27478), (272, 27520), (286, 27598), (318, 27724), (319, 27730), (320, 27733), (342, 27844), (349, 27886), (361, 27922), (363, 27940), (377, 27976), (379, 27985), (418, 28099), (432, 28141), (434, 28150), (451, 28207), (452, 28210),

Gene: Alice_236 Start: 140036, Stop: 141466, Start Num: 112

Candidate Starts for Alice_236:

(93, 139994), (Start: 112 @140036 has 191 MA's), (138, 140126), (152, 140189), (185, 140312), (192, 140336), (219, 140420), (230, 140462), (241, 140504), (265, 140669), (266, 140672), (318, 140927), (326, 140966), (332, 140996), (346, 141059), (351, 141080), (352, 141089), (354, 141092), (365, 141125), (371, 141140), (408, 141275), (431, 141350), (444, 141410),

Gene: Alkhayr_66 Start: 41911, Stop: 43131, Start Num: 131

Candidate Starts for Alkhayr_66:

(Start: 131 @41911 has 32 MA's), (144, 41947), (156, 41998), (157, 42004), (158, 42007), (199, 42154), (218, 42208), (240, 42301), (248, 42349), (262, 42457), (266, 42478), (322, 42766), (346, 42883), (353, 42916), (359, 42928), (373, 42979), (380, 43003), (396, 43063), (411, 43108),

Gene: Aloeri_32 Start: 26938, Stop: 28140, Start Num: 68

Candidate Starts for Aloeri_32:

(Start: 68 @26938 has 192 MA's), (91, 27022), (141, 27172), (151, 27226), (187, 27367), (287, 27448), (318, 27574), (319, 27580), (320, 27583), (328, 27619), (342, 27694), (349, 27736), (361, 27772), (377, 27826), (379, 27835), (399, 27901), (418, 27958), (432, 28000), (434, 28009), (447, 28051), (451, 28066), (452, 28069),

Gene: AlpineSix_31 Start: 26536, Stop: 27729, Start Num: 68

Candidate Starts for AlpineSix_31:

(Start: 68 @26536 has 192 MA's), (91, 26620), (141, 26770), (151, 26824), (187, 26965), (287, 27046), (318, 27172), (338, 27277), (342, 27292), (349, 27334), (361, 27370), (362, 27373), (377, 27424),

(379, 27433), (418, 27547), (432, 27589), (434, 27598), (451, 27655), (452, 27658),

Gene: Amataga_251 Start: 141959, Stop: 143389, Start Num: 112

Candidate Starts for Amataga_251:

(Start: 112 @141959 has 191 MA's), (138, 142049), (152, 142112), (185, 142235), (192, 142259), (219, 142343), (230, 142385), (241, 142427), (265, 142592), (266, 142595), (318, 142850), (326, 142889), (332, 142919), (346, 142982), (351, 143003), (352, 143012), (354, 143015), (365, 143048), (371, 143063), (408, 143198), (431, 143273), (443, 143330), (444, 143333),

Gene: Antihero_42 Start: 39523, Stop: 41259, Start Num: 79

Candidate Starts for Antihero_42:

(Start: 79 @39523 has 31 MA's), (109, 39598), (115, 39616), (120, 39637), (125, 39652), (143, 39724), (165, 39817), (185, 39889), (192, 39913), (215, 40000), (217, 40015), (254, 40198), (265, 40279), (276, 40360), (280, 40384), (281, 40387), (292, 40429), (319, 40540), (322, 40549), (324, 40558), (339, 40654), (346, 40693), (367, 40762), (377, 40786), (383, 40813), (390, 40843), (414, 40921), (420, 40945), (425, 40963), (426, 40966), (433, 40990), (441, 41035), (466, 41119),

Gene: Apex_44 Start: 40765, Stop: 42501, Start Num: 79

Candidate Starts for Apex_44:

(Start: 79 @40765 has 31 MA's), (109, 40840), (115, 40858), (120, 40879), (125, 40894), (143, 40966), (165, 41059), (185, 41131), (192, 41155), (215, 41242), (217, 41257), (255, 41446), (265, 41521), (276, 41602), (280, 41626), (281, 41629), (319, 41782), (322, 41791), (324, 41800), (339, 41896), (346, 41935), (367, 42004), (377, 42028), (383, 42055), (390, 42085), (414, 42163), (420, 42187), (425, 42205), (426, 42208), (441, 42277), (466, 42361),

Gene: Appletree2_25 Start: 24318, Stop: 25490, Start Num: 61

Candidate Starts for Appletree2_25:

(54, 24288), (Start: 61 @24318 has 30 MA's), (194, 24765), (287, 24843), (296, 24888), (318, 24963), (328, 25008), (342, 25083), (345, 25110), (349, 25128), (361, 25164), (362, 25167), (379, 25227), (395, 25278), (399, 25293), (430, 25362), (436, 25386), (456, 25446),

Gene: ArcherS7_251 Start: 143704, Stop: 145134, Start Num: 112

Candidate Starts for ArcherS7_251:

(Start: 112 @143704 has 191 MA's), (138, 143794), (152, 143857), (185, 143980), (192, 144004), (219, 144088), (230, 144130), (241, 144172), (265, 144337), (266, 144340), (318, 144595), (326, 144634), (332, 144664), (346, 144727), (351, 144748), (352, 144757), (354, 144760), (365, 144793), (371, 144808), (408, 144943), (431, 145018), (443, 145075), (444, 145078),

Gene: Archie_27 Start: 25565, Stop: 26734, Start Num: 61

Candidate Starts for Archie_27:

(Start: 61 @25565 has 30 MA's), (137, 25817), (178, 25979), (193, 26006), (287, 26087), (290, 26096), (318, 26207), (345, 26354), (347, 26366), (349, 26372), (361, 26408), (362, 26411), (379, 26471), (399, 26537), (430, 26606), (436, 26630), (458, 26696),

Gene: ArcusAngelus_30 Start: 26307, Stop: 27473, Start Num: 68

Candidate Starts for ArcusAngelus_30:

(Start: 68 @26307 has 192 MA's), (91, 26391), (141, 26541), (151, 26595), (187, 26736), (287, 26817), (318, 26943), (319, 26949), (328, 26988), (342, 27063), (349, 27105), (361, 27141), (362, 27144), (377, 27195), (379, 27204), (418, 27318),

Gene: Ardmore_29 Start: 26362, Stop: 27516, Start Num: 68

Candidate Starts for Ardmore_29:

(14, 26089), (21, 26110), (Start: 68 @26362 has 192 MA's), (91, 26446), (141, 26596), (151, 26650), (187, 26791), (287, 26872), (318, 26998), (319, 27004), (328, 27043), (338, 27103), (342, 27118), (349, 27160), (361, 27196), (362, 27199), (377, 27250), (379, 27259), (418, 27373), (452, 27484), (460, 27505),

Gene: Ashwin_68 Start: 42681, Stop: 43901, Start Num: 131

Candidate Starts for Ashwin_68:

(Start: 131 @42681 has 32 MA's), (144, 42717), (156, 42768), (157, 42774), (158, 42777), (199, 42924), (218, 42978), (240, 43071), (248, 43119), (262, 43227), (266, 43248), (322, 43536), (346, 43653), (353, 43686), (359, 43698), (373, 43749), (380, 43773), (396, 43833), (411, 43878),

Gene: Asterius_251 Start: 142817, Stop: 144247, Start Num: 112

Candidate Starts for Asterius_251:

(Start: 112 @142817 has 191 MA's), (138, 142907), (152, 142970), (185, 143093), (192, 143117), (219, 143201), (230, 143243), (241, 143285), (265, 143450), (266, 143453), (318, 143708), (326, 143747), (332, 143777), (346, 143840), (351, 143861), (352, 143870), (354, 143873), (365, 143906), (371, 143921), (408, 144056), (431, 144131), (444, 144191),

Gene: Astraea_246 Start: 142012, Stop: 143442, Start Num: 112

Candidate Starts for Astraea_246:

(Start: 112 @142012 has 191 MA's), (138, 142102), (152, 142165), (185, 142288), (192, 142312), (219, 142396), (230, 142438), (241, 142480), (265, 142645), (266, 142648), (318, 142903), (326, 142942), (332, 142972), (346, 143035), (351, 143056), (352, 143065), (354, 143068), (365, 143101), (371, 143116), (408, 143251), (431, 143326), (443, 143383), (444, 143386),

Gene: Athena_47 Start: 41006, Stop: 42283, Start Num: 45

Candidate Starts for Athena_47:

(41, 40988), (Start: 45 @41006 has 11 MA's), (47, 41009), (Start: 50 @41018 has 16 MA's), (Start: 60 @41060 has 22 MA's), (Start: 66 @41081 has 1 MA's), (73, 41108), (76, 41123), (88, 41165), (Start: 110 @41216 has 1 MA's), (134, 41306), (141, 41321), (165, 41435), (194, 41537), (307, 41699), (318, 41744), (319, 41750), (320, 41753), (322, 41759), (328, 41789), (345, 41891), (361, 41948), (377, 41999), (384, 42035), (387, 42047), (395, 42080), (399, 42095), (453, 42245),

Gene: Atlantean_250 Start: 141959, Stop: 143389, Start Num: 112

Candidate Starts for Atlantean_250:

(Start: 112 @141959 has 191 MA's), (138, 142049), (152, 142112), (185, 142235), (192, 142259), (219, 142343), (230, 142385), (241, 142427), (265, 142592), (266, 142595), (318, 142850), (326, 142889), (332, 142919), (346, 142982), (351, 143003), (352, 143012), (354, 143015), (365, 143048), (371, 143063), (408, 143198), (431, 143273), (443, 143330), (444, 143333),

Gene: Aubs_30 Start: 26472, Stop: 27662, Start Num: 68

Candidate Starts for Aubs_30:

(14, 26199), (17, 26202), (Start: 68 @26472 has 192 MA's), (91, 26556), (141, 26706), (151, 26760), (187, 26901), (287, 26982), (318, 27108), (319, 27114), (328, 27153), (338, 27213), (342, 27228), (349, 27270), (361, 27306), (362, 27309), (363, 27324), (377, 27360), (379, 27369), (418, 27483),

Gene: Audrey_46 Start: 40308, Stop: 41531, Start Num: 60

Candidate Starts for Audrey_46:

(Start: 60 @40308 has 22 MA's), (Start: 66 @40329 has 1 MA's), (73, 40356), (76, 40371), (88, 40413), (Start: 110 @40464 has 1 MA's), (134, 40554), (141, 40569), (165, 40683), (194, 40785), (307, 40947), (318, 40992), (319, 40998), (320, 41001), (322, 41007), (328, 41037), (345, 41139), (361, 41196), (377, 41247), (384, 41283), (387, 41295), (395, 41328), (399, 41343), (453, 41493),

Gene: Audrick_253 Start: 141849, Stop: 143279, Start Num: 112

Candidate Starts for Audrick_253:

(Start: 112 @141849 has 191 MA's), (138, 141939), (152, 142002), (185, 142125), (192, 142149), (219, 142233), (230, 142275), (241, 142317), (265, 142482), (266, 142485), (318, 142740), (326, 142779), (332, 142809), (346, 142872), (351, 142893), (352, 142902), (354, 142905), (365, 142938), (371, 142953), (408, 143088), (431, 143163), (443, 143220), (444, 143223),

Gene: Auspice_35 Start: 29799, Stop: 31166, Start Num: 74

Candidate Starts for Auspice_35:

(Start: 74 @29799 has 16 MA's), (89, 29856), (98, 29883), (105, 29898), (113, 29919), (114, 29922), (148, 30060), (153, 30084), (173, 30162), (176, 30168), (177, 30171), (195, 30246), (295, 30378), (304, 30405), (306, 30414), (323, 30468), (328, 30495), (333, 30525), (343, 30579), (359, 30651), (410, 30837), (445, 30957), (451, 30978), (457, 30996), (463, 31011), (471, 31041), (475, 31071), (478, 31107), (479, 31110), (485, 31146),

Gene: Austelle_44 Start: 41215, Stop: 42951, Start Num: 79

Candidate Starts for Austelle_44:

(Start: 79 @41215 has 31 MA's), (109, 41290), (115, 41308), (120, 41329), (125, 41344), (143, 41416), (165, 41509), (185, 41581), (192, 41605), (215, 41692), (217, 41707), (255, 41896), (265, 41971), (276, 42052), (280, 42076), (281, 42079), (292, 42121), (319, 42232), (322, 42241), (324, 42250), (339, 42346), (346, 42385), (367, 42454), (377, 42478), (383, 42505), (390, 42535), (414, 42613), (420, 42637), (425, 42655), (426, 42658), (433, 42682), (441, 42727), (466, 42811),

Gene: Ava3_247 Start: 142419, Stop: 143849, Start Num: 112

Candidate Starts for Ava3_247:

(Start: 112 @142419 has 191 MA's), (138, 142509), (152, 142572), (185, 142695), (192, 142719), (219, 142803), (230, 142845), (241, 142887), (265, 143052), (266, 143055), (318, 143310), (326, 143349), (332, 143379), (346, 143442), (351, 143463), (352, 143472), (354, 143475), (365, 143508), (371, 143523), (408, 143658), (431, 143733), (443, 143790), (444, 143793),

Gene: AvadaKedavra_25 Start: 24385, Stop: 25557, Start Num: 61

Candidate Starts for AvadaKedavra_25:

(54, 24355), (Start: 61 @24385 has 30 MA's), (194, 24832), (287, 24910), (296, 24955), (318, 25030), (328, 25075), (342, 25150), (345, 25177), (349, 25195), (361, 25231), (362, 25234), (379, 25294), (395, 25345), (399, 25360), (430, 25429), (436, 25453), (456, 25513),

Gene: Awesomesauce_31 Start: 26200, Stop: 27402, Start Num: 68

Candidate Starts for Awesomesauce_31:

(Start: 68 @26200 has 192 MA's), (91, 26284), (141, 26434), (151, 26488), (187, 26629), (287, 26710), (318, 26836), (319, 26842), (320, 26845), (328, 26881), (342, 26956), (349, 26998), (361, 27034), (377, 27088), (379, 27097), (399, 27163), (418, 27220), (432, 27262), (434, 27271), (447, 27313), (451, 27328), (452, 27331),

Gene: Aziz_40 Start: 30943, Stop: 32358, Start Num: 55

Candidate Starts for Aziz_40:

(Start: 55 @30943 has 6 MA's), (69, 30997), (71, 31003), (78, 31033), (89, 31069), (148, 31270), (160, 31300), (163, 31318), (180, 31369), (182, 31384), (295, 31573), (304, 31600), (307, 31615), (328, 31690), (335, 31723), (343, 31774), (410, 32029), (416, 32053), (418, 32056), (445, 32149), (451, 32170), (463, 32203), (475, 32263), (484, 32326),

Gene: Babyland_253 Start: 142736, Stop: 144166, Start Num: 112

Candidate Starts for Babyland_253:

(Start: 112 @142736 has 191 MA's), (138, 142826), (152, 142889), (185, 143012), (192, 143036), (219, 143120), (230, 143162), (241, 143204), (265, 143369), (266, 143372), (318, 143627), (326, 143666), (332, 143696), (346, 143759), (351, 143780), (352, 143789), (354, 143792), (365, 143825), (371, 143840), (408, 143975), (431, 144050), (443, 144107), (444, 144110),

Gene: BackyardAgain_245 Start: 140109, Stop: 141539, Start Num: 112

Candidate Starts for BackyardAgain_245:

(Start: 112 @140109 has 191 MA's), (138, 140199), (152, 140262), (185, 140385), (192, 140409), (219, 140493), (230, 140535), (241, 140577), (265, 140742), (266, 140745), (318, 141000), (326, 141039), (332, 141069), (346, 141132), (351, 141153), (352, 141162), (354, 141165), (365, 141198), (371, 141213), (408, 141348), (431, 141423), (443, 141480), (444, 141483),

Gene: BadAgartude_244 Start: 142021, Stop: 143451, Start Num: 112

Candidate Starts for BadAgartude_244:

(Start: 112 @142021 has 191 MA's), (138, 142111), (139, 142114), (152, 142174), (185, 142297), (192, 142321), (219, 142405), (230, 142447), (241, 142489), (265, 142654), (266, 142657), (318, 142912), (326, 142951), (332, 142981), (346, 143044), (351, 143065), (352, 143074), (354, 143077), (365, 143110), (371, 143125), (408, 143260), (431, 143335), (443, 143392), (444, 143395),

Gene: Baloo_46 Start: 40311, Stop: 41534, Start Num: 60

Candidate Starts for Baloo_46:

(Start: 60 @40311 has 22 MA's), (Start: 66 @40332 has 1 MA's), (73, 40359), (76, 40374), (88, 40416), (Start: 110 @40467 has 1 MA's), (134, 40557), (141, 40572), (165, 40686), (194, 40788), (307, 40950), (318, 40995), (319, 41001), (320, 41004), (322, 41010), (328, 41040), (345, 41142), (361, 41199), (377, 41250), (384, 41286), (387, 41298), (395, 41331), (399, 41346), (453, 41496),

Gene: BananaFence_248 Start: 142641, Stop: 144071, Start Num: 112

Candidate Starts for BananaFence_248:

(Start: 112 @142641 has 191 MA's), (138, 142731), (139, 142734), (152, 142794), (185, 142917), (192, 142941), (219, 143025), (230, 143067), (241, 143109), (265, 143274), (266, 143277), (318, 143532), (326, 143571), (332, 143601), (346, 143664), (351, 143685), (352, 143694), (354, 143697), (365, 143730), (371, 143745), (408, 143880), (431, 143955), (443, 144012), (444, 144015),

Gene: Bangla1971_251 Start: 142668, Stop: 144098, Start Num: 112

Candidate Starts for Bangla1971_251:

(Start: 112 @142668 has 191 MA's), (138, 142758), (152, 142821), (185, 142944), (192, 142968), (219, 143052), (230, 143094), (241, 143136), (265, 143301), (266, 143304), (318, 143559), (326, 143598), (332, 143628), (346, 143691), (351, 143712), (352, 143721), (354, 143724), (365, 143757), (371, 143772), (408, 143907), (431, 143982), (443, 144039), (444, 144042),

Gene: Basquiat_248 Start: 140927, Stop: 142357, Start Num: 112

Candidate Starts for Basquiat_248:

(Start: 112 @140927 has 191 MA's), (138, 141017), (152, 141080), (185, 141203), (192, 141227), (219, 141311), (230, 141353), (241, 141395), (265, 141560), (266, 141563), (318, 141818), (326, 141857), (332, 141887), (346, 141950), (351, 141971), (352, 141980), (354, 141983), (365, 142016), (371, 142031), (408, 142166), (431, 142241), (443, 142298), (444, 142301),

Gene: Batiatus_30 Start: 26355, Stop: 27509, Start Num: 68

Candidate Starts for Batiatus_30:

(14, 26082), (17, 26085), (Start: 68 @26355 has 192 MA's), (91, 26439), (141, 26589), (151, 26643), (187, 26784), (287, 26865), (318, 26991), (319, 26997), (328, 27036), (338, 27096), (342, 27111), (349, 27153), (361, 27189), (362, 27192), (377, 27243), (379, 27252), (418, 27366), (452, 27477), (460, 27498),

Gene: Baudelaire_28 Start: 24440, Stop: 25621, Start Num: 57

Candidate Starts for Baudelaire_28:

(Start: 57 @24440 has 2 MA's), (80, 24524), (89, 24557), (101, 24587), (141, 24701), (145, 24725), (178, 24854), (194, 24881), (275, 24914), (296, 25004), (311, 25082), (322, 25118), (323, 25121), (347, 25262), (349, 25268), (377, 25358), (399, 25433), (430, 25511), (436, 25535),

Gene: Bazzle_27 Start: 25314, Stop: 26483, Start Num: 61

Candidate Starts for Bazzle_27:

(Start: 61 @25314 has 30 MA's), (137, 25566), (178, 25728), (193, 25755), (287, 25836), (290, 25845), (318, 25956), (345, 26103), (347, 26115), (349, 26121), (361, 26157), (362, 26160), (379, 26220), (399, 26286), (430, 26355), (436, 26379), (458, 26445),

Gene: Beakin_31 Start: 26224, Stop: 27414, Start Num: 68

Candidate Starts for Beakin_31:

(14, 25951), (21, 25972), (Start: 68 @26224 has 192 MA's), (91, 26308), (141, 26458), (151, 26512), (187, 26653), (287, 26731), (318, 26857), (319, 26863), (328, 26902), (338, 26962), (342, 26977), (349, 27019), (361, 27055), (362, 27058), (377, 27109), (379, 27118), (418, 27232), (432, 27274), (434, 27283), (447, 27325), (451, 27340), (452, 27343), (454, 27349),

Gene: BeanWater_243 Start: 141804, Stop: 143234, Start Num: 112

Candidate Starts for BeanWater_243:

(Start: 112 @141804 has 191 MA's), (138, 141894), (152, 141957), (185, 142080), (192, 142104), (219, 142188), (230, 142230), (241, 142272), (265, 142437), (266, 142440), (318, 142695), (326, 142734), (332, 142764), (346, 142827), (351, 142848), (352, 142857), (354, 142860), (365, 142893), (371, 142908), (408, 143043), (431, 143118), (443, 143175), (444, 143178),

Gene: Beanstalk_32 Start: 26500, Stop: 27711, Start Num: 135

Candidate Starts for Beanstalk_32:

(Start: 135 @26500 has 40 MA's), (158, 26596), (164, 26620), (191, 26713), (192, 26716), (212, 26761), (238, 26890), (248, 26941), (262, 27052), (266, 27073), (322, 27355), (325, 27376), (326, 27379), (346, 27472), (359, 27517), (373, 27565), (398, 27655),

Gene: Beelzebub_58 Start: 30975, Stop: 32354, Start Num: 75

Candidate Starts for Beelzebub_58:

(Start: 75 @30975 has 20 MA's), (103, 31032), (117, 31068), (122, 31092), (127, 31104), (161, 31227), (169, 31269), (190, 31341), (195, 31365), (199, 31371), (221, 31452), (242, 31521), (244, 31524), (248, 31560), (251, 31596), (262, 31668), (265, 31686), (266, 31689), (284, 31806), (291, 31836), (322, 31968), (325, 31989), (332, 32022), (345, 32076), (346, 32082), (380, 32202), (388, 32232), (394, 32253), (403, 32283),

Gene: Belieber_244 Start: 141054, Stop: 142484, Start Num: 112

Candidate Starts for Belieber_244:

(Start: 112 @141054 has 191 MA's), (138, 141144), (152, 141207), (185, 141330), (192, 141354), (219, 141438), (230, 141480), (241, 141522), (265, 141687), (266, 141690), (318, 141945), (326, 141984), (332, 142014), (346, 142077), (351, 142098), (352, 142107), (354, 142110), (365, 142143), (371, 142158), (408, 142293), (431, 142368), (443, 142425), (444, 142428),

Gene: Ben11_45 Start: 40131, Stop: 41354, Start Num: 60

Candidate Starts for Ben11_45:

(Start: 34 @40017 has 1 MA's), (35, 40020), (Start: 60 @40131 has 22 MA's), (Start: 66 @40152 has 1 MA's), (73, 40179), (76, 40194), (88, 40236), (Start: 110 @40287 has 1 MA's), (134, 40377), (141, 40392), (165, 40506), (194, 40608), (307, 40770), (318, 40815), (319, 40821), (320, 40824), (322,

40830), (328, 40860), (345, 40962), (361, 41019), (377, 41070), (384, 41106), (387, 41118), (395, 41151), (399, 41166), (453, 41316),

Gene: Bernardo_47 Start: 40743, Stop: 42080, Start Num: 34

Candidate Starts for Bernardo_47:

(Start: 34 @40743 has 1 MA's), (35, 40746), (Start: 60 @40857 has 22 MA's), (Start: 66 @40878 has 1 MA's), (73, 40905), (76, 40920), (88, 40962), (Start: 110 @41013 has 1 MA's), (134, 41103), (141, 41118), (165, 41232), (194, 41334), (307, 41496), (318, 41541), (319, 41547), (322, 41556), (328, 41586), (345, 41688), (361, 41745), (377, 41796), (384, 41832), (387, 41844), (395, 41877), (399, 41892), (453, 42042),

Gene: Bezza_244 Start: 141497, Stop: 142927, Start Num: 112

Candidate Starts for Bezza_244:

(Start: 112 @141497 has 191 MA's), (138, 141587), (139, 141590), (152, 141650), (185, 141773), (192, 141797), (219, 141881), (230, 141923), (241, 141965), (265, 142130), (266, 142133), (318, 142388), (326, 142427), (332, 142457), (346, 142520), (351, 142541), (352, 142550), (354, 142553), (365, 142586), (371, 142601), (408, 142736), (431, 142811), (443, 142868), (444, 142871),

Gene: BigCity_258 Start: 144559, Stop: 145989, Start Num: 112

Candidate Starts for BigCity_258:

(Start: 112 @144559 has 191 MA's), (138, 144649), (152, 144712), (185, 144835), (192, 144859), (219, 144943), (230, 144985), (241, 145027), (265, 145192), (266, 145195), (318, 145450), (326, 145489), (332, 145519), (346, 145582), (351, 145603), (352, 145612), (354, 145615), (365, 145648), (371, 145663), (408, 145798), (431, 145873), (443, 145930), (444, 145933),

Gene: BigPhil_26 Start: 22498, Stop: 23733, Start Num: 68

Candidate Starts for BigPhil_26:

(Start: 68 @22498 has 192 MA's), (104, 22618), (128, 22690), (154, 22807), (155, 22810), (178, 22888), (200, 22969), (272, 23011), (286, 23089), (318, 23215), (319, 23221), (328, 23260), (338, 23320), (342, 23335), (349, 23377), (361, 23413), (362, 23416), (377, 23467), (379, 23476), (418, 23590), (452, 23701), (460, 23722),

Gene: Bigswole_255 Start: 144470, Stop: 145900, Start Num: 112

Candidate Starts for Bigswole_255:

(Start: 112 @144470 has 191 MA's), (138, 144560), (139, 144563), (152, 144623), (185, 144746), (192, 144770), (219, 144854), (230, 144896), (241, 144938), (265, 145103), (266, 145106), (318, 145361), (326, 145400), (332, 145430), (346, 145493), (351, 145514), (352, 145523), (354, 145526), (365, 145559), (371, 145574), (408, 145709), (431, 145784), (443, 145841), (444, 145844),

Gene: Bipolar_27 Start: 25385, Stop: 26593, Start Num: 68

Candidate Starts for Bipolar_27:

(Start: 68 @25385 has 192 MA's), (91, 25469), (141, 25619), (151, 25673), (187, 25814), (307, 25991), (318, 26033), (320, 26042), (345, 26180), (418, 26411), (432, 26453), (434, 26462), (451, 26519), (452, 26522), (470, 26576),

Gene: Bipolarisk_248 Start: 142687, Stop: 144117, Start Num: 112

Candidate Starts for Bipolarisk_248:

(Start: 112 @142687 has 191 MA's), (138, 142777), (152, 142840), (185, 142963), (192, 142987), (219, 143071), (230, 143113), (241, 143155), (265, 143320), (266, 143323), (318, 143578), (326, 143617), (332, 143647), (346, 143710), (351, 143731), (352, 143740), (354, 143743), (365, 143776), (371, 143791), (408, 143926), (431, 144001), (443, 144058), (444, 144061),

Gene: Blackbeetle_54 Start: 30021, Stop: 31400, Start Num: 75

Candidate Starts for Blackbeetle_54:

(Start: 75 @30021 has 20 MA's), (103, 30078), (117, 30114), (122, 30138), (127, 30150), (161, 30273), (169, 30315), (190, 30387), (195, 30411), (199, 30417), (221, 30498), (242, 30567), (244, 30570), (248, 30606), (251, 30642), (262, 30714), (265, 30732), (266, 30735), (284, 30852), (291, 30882), (322, 31014), (325, 31035), (332, 31068), (345, 31122), (346, 31128), (380, 31248), (388, 31278), (394, 31299), (403, 31329),

Gene: Blackbrain_249 Start: 142704, Stop: 144134, Start Num: 112

Candidate Starts for Blackbrain_249:

(Start: 112 @142704 has 191 MA's), (138, 142794), (152, 142857), (185, 142980), (192, 143004), (219, 143088), (230, 143130), (241, 143172), (265, 143337), (266, 143340), (318, 143595), (326, 143634), (332, 143664), (346, 143727), (351, 143748), (352, 143757), (354, 143760), (365, 143793), (371, 143808), (408, 143943), (431, 144018), (443, 144075), (444, 144078),

Gene: Blackdragon_245 Start: 142252, Stop: 143682, Start Num: 112

Candidate Starts for Blackdragon_245:

(Start: 112 @142252 has 191 MA's), (138, 142342), (152, 142405), (185, 142528), (192, 142552), (219, 142636), (230, 142678), (241, 142720), (265, 142885), (266, 142888), (318, 143143), (326, 143182), (332, 143212), (346, 143275), (351, 143296), (352, 143305), (354, 143308), (365, 143341), (371, 143356), (408, 143491), (431, 143566), (444, 143626),

Gene: Blarby_38 Start: 26777, Stop: 27985, Start Num: 135

Candidate Starts for Blarby_38:

(41, 26501), (48, 26522), (Start: 135 @26777 has 40 MA's), (158, 26873), (164, 26897), (191, 26990), (192, 26993), (212, 27038), (238, 27167), (248, 27218), (262, 27329), (266, 27350), (322, 27632), (325, 27653), (346, 27749), (359, 27794), (373, 27839), (380, 27863), (396, 27923),

Gene: Blessica_67 Start: 42510, Stop: 43730, Start Num: 131

Candidate Starts for Blessica_67:

(Start: 131 @42510 has 32 MA's), (144, 42546), (156, 42597), (157, 42603), (199, 42753), (218, 42807), (240, 42900), (248, 42948), (262, 43056), (266, 43077), (322, 43365), (346, 43482), (353, 43515), (359, 43527), (373, 43578), (380, 43602), (396, 43662), (411, 43707),

Gene: Blexus_30 Start: 26628, Stop: 27836, Start Num: 135

Candidate Starts for Blexus_30:

(Start: 135 @26628 has 40 MA's), (158, 26724), (164, 26748), (191, 26841), (192, 26844), (212, 26889), (238, 27018), (248, 27069), (262, 27180), (266, 27201), (322, 27483), (325, 27504), (346, 27600), (359, 27645), (373, 27690), (380, 27714), (396, 27774),

Gene: Blubba_237 Start: 145431, Stop: 146861, Start Num: 112

Candidate Starts for Blubba_237:

(Start: 112 @145431 has 191 MA's), (138, 145521), (152, 145584), (185, 145707), (192, 145731), (219, 145815), (230, 145857), (241, 145899), (265, 146064), (266, 146067), (318, 146322), (326, 146361), (332, 146391), (346, 146454), (351, 146475), (352, 146484), (354, 146487), (365, 146520), (371, 146535), (408, 146670), (431, 146745), (444, 146805),

Gene: BlueCrab_30 Start: 26494, Stop: 27687, Start Num: 68

Candidate Starts for BlueCrab_30:

(Start: 68 @26494 has 192 MA's), (91, 26578), (141, 26728), (151, 26782), (187, 26923), (287, 27004), (318, 27130), (328, 27175), (342, 27250), (349, 27292), (361, 27328), (362, 27331), (377, 27382), (379, 27391), (418, 27505), (432, 27547), (434, 27556), (451, 27613), (452, 27616),

Gene: BobaPhatt_244 Start: 141822, Stop: 143252, Start Num: 112

Candidate Starts for BobaPhatt_244:

(Start: 112 @141822 has 191 MA's), (138, 141912), (152, 141975), (185, 142098), (192, 142122), (219, 142206), (230, 142248), (241, 142290), (265, 142455), (266, 142458), (318, 142713), (326, 142752), (332, 142782), (346, 142845), (351, 142866), (352, 142875), (354, 142878), (365, 142911), (371, 142926), (408, 143061), (431, 143136), (443, 143193), (444, 143196),

Gene: BobaPhett_30 Start: 26476, Stop: 27711, Start Num: 68

Candidate Starts for BobaPhett_30:

(Start: 68 @26476 has 192 MA's), (104, 26593), (128, 26665), (154, 26782), (155, 26785), (178, 26863), (200, 26944), (272, 26986), (286, 27064), (318, 27190), (342, 27310), (349, 27352), (361, 27388), (362, 27391), (377, 27442), (379, 27451), (418, 27565),

Gene: BobbyK_44 Start: 40560, Stop: 42296, Start Num: 79

Candidate Starts for BobbyK_44:

(Start: 79 @40560 has 31 MA's), (109, 40635), (115, 40653), (120, 40674), (125, 40689), (143, 40761), (165, 40854), (185, 40926), (192, 40950), (215, 41037), (217, 41052), (254, 41235), (265, 41316), (276, 41397), (280, 41421), (281, 41424), (292, 41466), (319, 41577), (322, 41586), (324, 41595), (339, 41691), (346, 41730), (367, 41799), (377, 41823), (383, 41850), (390, 41880), (414, 41958), (420, 41982), (425, 42000), (426, 42003), (433, 42027), (441, 42072), (466, 42156),

Gene: Bobi_32 Start: 27069, Stop: 28223, Start Num: 68

Candidate Starts for Bobi_32:

(3, 26622), (21, 26817), (Start: 68 @27069 has 192 MA's), (91, 27153), (141, 27303), (151, 27357), (187, 27498), (287, 27579), (318, 27705), (319, 27711), (328, 27750), (338, 27810), (342, 27825), (349, 27867), (361, 27903), (362, 27906), (377, 27957), (379, 27966), (418, 28080), (452, 28191), (460, 28212),

Gene: BodEinwohner17_30 Start: 26635, Stop: 27906, Start Num: 68

Candidate Starts for BodEinwohner17_30:

(Start: 68 @26635 has 192 MA's), (104, 26752), (128, 26824), (154, 26941), (155, 26944), (178, 27022), (200, 27103), (272, 27145), (286, 27223), (318, 27349), (319, 27355), (320, 27358), (328, 27394), (333, 27424), (338, 27454), (342, 27469), (349, 27511), (361, 27547), (362, 27550), (377, 27601), (379, 27610), (418, 27724), (432, 27766), (434, 27775), (451, 27832), (452, 27835),

Gene: Bongo_35 Start: 29799, Stop: 31166, Start Num: 74

Candidate Starts for Bongo_35:

(Start: 74 @29799 has 16 MA's), (89, 29856), (98, 29883), (114, 29922), (148, 30060), (153, 30084), (173, 30162), (176, 30168), (177, 30171), (195, 30246), (295, 30378), (304, 30405), (306, 30414), (323, 30468), (328, 30495), (333, 30525), (343, 30579), (359, 30651), (410, 30837), (445, 30957), (451, 30978), (457, 30996), (463, 31011), (471, 31041), (475, 31071), (478, 31107), (479, 31110), (485, 31146),

Gene: Bonray_253 Start: 144504, Stop: 145934, Start Num: 112

Candidate Starts for Bonray_253:

(Start: 112 @144504 has 191 MA's), (138, 144594), (152, 144657), (185, 144780), (192, 144804), (219, 144888), (230, 144930), (241, 144972), (265, 145137), (266, 145140), (318, 145395), (326, 145434), (332, 145464), (346, 145527), (351, 145548), (352, 145557), (354, 145560), (365, 145593), (371, 145608), (408, 145743), (431, 145818), (444, 145878),

Gene: Boomer_32 Start: 26275, Stop: 27576, Start Num: 68

Candidate Starts for Boomer_32:

(Start: 68 @26275 has 192 MA's), (104, 26395), (128, 26467), (154, 26584), (155, 26587), (178, 26665), (200, 26746), (272, 26797), (307, 26974), (318, 27016), (320, 27025), (349, 27181), (418,

27394), (432, 27436), (434, 27445), (451, 27502), (452, 27505),

Gene: BoostSeason_29 Start: 23227, Stop: 24885, Start Num: 95

Candidate Starts for BoostSeason_29:

(Start: 95 @23227 has 4 MA's), (118, 23278), (119, 23281), (127, 23317), (138, 23353), (188, 23554), (197, 23584), (235, 23722), (249, 23794), (251, 23809), (261, 23875), (266, 23896), (280, 23998), (323, 24169), (330, 24205), (332, 24220), (346, 24283), (366, 24352), (377, 24385), (448, 24640), (481, 24790), (488, 24853),

Gene: Bora_64 Start: 41867, Stop: 43111, Start Num: 131

Candidate Starts for Bora_64:

(Start: 131 @41867 has 32 MA's), (144, 41903), (156, 41954), (157, 41960), (199, 42110), (218, 42164), (240, 42257), (248, 42305), (262, 42413), (266, 42434), (309, 42668), (322, 42722), (346, 42839), (353, 42872), (359, 42884), (373, 42935), (380, 42959), (396, 43019), (411, 43064),

Gene: Bowman_252 Start: 143619, Stop: 145049, Start Num: 112

Candidate Starts for Bowman_252:

(Start: 112 @143619 has 191 MA's), (138, 143709), (152, 143772), (185, 143895), (192, 143919), (219, 144003), (230, 144045), (241, 144087), (265, 144252), (266, 144255), (318, 144510), (326, 144549), (332, 144579), (346, 144642), (351, 144663), (352, 144672), (354, 144675), (365, 144708), (371, 144723), (408, 144858), (431, 144933), (443, 144990), (444, 144993),

Gene: BrainDrainer_26 Start: 24313, Stop: 25485, Start Num: 61

Candidate Starts for BrainDrainer_26:

(Start: 61 @24313 has 30 MA's), (Start: 64 @24322 has 1 MA's), (165, 24688), (193, 24757), (287, 24838), (318, 24958), (345, 25105), (349, 25123), (361, 25159), (379, 25222), (399, 25288), (429, 25354), (430, 25357),

Gene: Bread_247 Start: 142471, Stop: 143901, Start Num: 112

Candidate Starts for Bread_247:

(Start: 112 @142471 has 191 MA's), (138, 142561), (152, 142624), (185, 142747), (192, 142771), (219, 142855), (230, 142897), (241, 142939), (265, 143104), (266, 143107), (318, 143362), (326, 143401), (332, 143431), (346, 143494), (351, 143515), (352, 143524), (354, 143527), (365, 143560), (371, 143575), (408, 143710), (431, 143785), (443, 143842), (444, 143845),

Gene: Breeniome_250 Start: 141459, Stop: 142889, Start Num: 112

Candidate Starts for Breeniome_250:

(Start: 112 @141459 has 191 MA's), (138, 141549), (152, 141612), (185, 141735), (192, 141759), (219, 141843), (230, 141885), (241, 141927), (265, 142092), (266, 142095), (318, 142350), (326, 142389), (332, 142419), (346, 142482), (351, 142503), (352, 142512), (354, 142515), (365, 142548), (371, 142563), (408, 142698), (431, 142773), (443, 142830), (444, 142833),

Gene: Briakila_47 Start: 41025, Stop: 42302, Start Num: 45

Candidate Starts for Briakila_47:

(41, 41007), (Start: 45 @41025 has 11 MA's), (47, 41028), (Start: 50 @41037 has 16 MA's), (Start: 60 @41079 has 22 MA's), (Start: 66 @41100 has 1 MA's), (73, 41127), (76, 41142), (88, 41184), (Start: 110 @41235 has 1 MA's), (134, 41325), (141, 41340), (165, 41454), (194, 41556), (307, 41718), (318, 41763), (319, 41769), (320, 41772), (322, 41778), (328, 41808), (345, 41910), (361, 41967), (377, 42018), (384, 42054), (387, 42066), (395, 42099), (399, 42114), (453, 42264),

Gene: Bricole_35 Start: 29785, Stop: 31152, Start Num: 74

Candidate Starts for Bricole_35:

(Start: 74 @29785 has 16 MA's), (89, 29842), (98, 29869), (114, 29908), (148, 30046), (153, 30070), (173, 30148), (176, 30154), (177, 30157), (195, 30232), (295, 30364), (304, 30391), (306, 30400), (323, 30454), (328, 30481), (333, 30511), (343, 30565), (359, 30637), (410, 30823), (445, 30943), (451, 30964), (457, 30982), (463, 30997), (471, 31027), (475, 31057), (478, 31093), (479, 31096), (485, 31132),

Gene: Brocalys_25 Start: 22152, Stop: 23312, Start Num: 68

Candidate Starts for Brocalys_25:

(18, 21882), (Start: 68 @22152 has 192 MA's), (91, 22236), (141, 22386), (151, 22440), (174, 22533), (183, 22563), (187, 22584), (287, 22662), (318, 22788), (319, 22794), (342, 22908), (349, 22950), (358, 22983), (362, 22989), (379, 23049),

Gene: Bromden_27 Start: 24744, Stop: 25913, Start Num: 61

Candidate Starts for Bromden_27:

(Start: 61 @24744 has 30 MA's), (Start: 64 @24753 has 1 MA's), (107, 24888), (129, 24954), (134, 24984), (165, 25116), (193, 25185), (287, 25266), (318, 25386), (345, 25533), (349, 25551), (361, 25587), (379, 25650), (399, 25716), (429, 25782), (430, 25785),

Gene: Brookers_28 Start: 25304, Stop: 26458, Start Num: 68

Candidate Starts for Brookers_28:

(14, 25031), (21, 25052), (Start: 68 @25304 has 192 MA's), (91, 25388), (141, 25538), (151, 25592), (187, 25733), (287, 25814), (318, 25940), (319, 25946), (328, 25985), (338, 26045), (342, 26060), (349, 26102), (361, 26138), (362, 26141), (377, 26192), (379, 26201), (418, 26315), (452, 26426), (460, 26447),

Gene: BrownCNA_45 Start: 40845, Stop: 42581, Start Num: 79

Candidate Starts for BrownCNA_45:

(Start: 79 @40845 has 31 MA's), (109, 40920), (115, 40938), (120, 40959), (125, 40974), (143, 41046), (165, 41139), (185, 41211), (192, 41235), (215, 41322), (217, 41337), (255, 41526), (265, 41601), (276, 41682), (280, 41706), (281, 41709), (292, 41751), (319, 41862), (322, 41871), (324, 41880), (339, 41976), (346, 42015), (367, 42084), (377, 42108), (383, 42135), (390, 42165), (412, 42240), (414, 42243), (420, 42267), (425, 42285), (426, 42288), (441, 42357), (466, 42441),

Gene: Brushbloom_31 Start: 26379, Stop: 27533, Start Num: 68

Candidate Starts for Brushbloom_31:

(14, 26106), (21, 26127), (Start: 68 @26379 has 192 MA's), (91, 26463), (141, 26613), (151, 26667), (187, 26808), (287, 26889), (318, 27015), (319, 27021), (328, 27060), (338, 27120), (342, 27135), (349, 27177), (361, 27213), (362, 27216), (377, 27267), (379, 27276), (418, 27390), (452, 27501), (460, 27522),

Gene: Bubbles123_32 Start: 27209, Stop: 28501, Start Num: 68

Candidate Starts for Bubbles123_32:

(Start: 68 @27209 has 192 MA's), (104, 27329), (154, 27518), (155, 27521), (178, 27599), (200, 27680), (272, 27722), (286, 27800), (318, 27926), (319, 27932), (328, 27971), (338, 28031), (342, 28046), (347, 28082), (349, 28088), (361, 28124), (363, 28142), (377, 28178), (379, 28187), (418, 28301), (452, 28412),

Gene: Burrough_251 Start: 143832, Stop: 145262, Start Num: 112

Candidate Starts for Burrough_251:

(Start: 112 @143832 has 191 MA's), (138, 143922), (152, 143985), (185, 144108), (192, 144132), (219, 144216), (230, 144258), (241, 144300), (265, 144465), (266, 144468), (318, 144723), (326, 144762), (332, 144792), (346, 144855), (351, 144876), (352, 144885), (354, 144888), (365, 144921), (371, 144936), (408, 145071), (431, 145146), (443, 145203), (444, 145206),

Gene: Burwell21_30 Start: 26501, Stop: 27697, Start Num: 135

Candidate Starts for Burwell21_30:

(Start: 135 @26501 has 40 MA's), (156, 26585), (199, 26735), (218, 26789), (240, 26882), (248, 26930), (262, 27041), (266, 27062), (322, 27344), (325, 27365), (346, 27461), (359, 27506), (373, 27551), (380, 27575), (396, 27635),

Gene: BuzzLyseyear_33 Start: 27038, Stop: 28312, Start Num: 68

Candidate Starts for BuzzLyseyear_33:

(Start: 68 @27038 has 192 MA's), (104, 27158), (128, 27230), (154, 27347), (155, 27350), (178, 27428), (200, 27509), (272, 27551), (286, 27629), (318, 27755), (319, 27761), (320, 27764), (328, 27800), (333, 27830), (338, 27860), (342, 27875), (349, 27917), (361, 27953), (362, 27956), (377, 28007), (379, 28016), (418, 28130), (432, 28172), (434, 28181), (451, 28238), (452, 28241),

Gene: Bxz1_236 Start: 144036, Stop: 145466, Start Num: 112

Candidate Starts for Bxz1_236:

(Start: 112 @144036 has 191 MA's), (138, 144126), (152, 144189), (185, 144312), (192, 144336), (219, 144420), (230, 144462), (241, 144504), (265, 144669), (266, 144672), (318, 144927), (326, 144966), (332, 144996), (346, 145059), (351, 145080), (352, 145089), (354, 145092), (365, 145125), (371, 145140), (408, 145275), (431, 145350), (443, 145407), (444, 145410),

Gene: ByChance_30 Start: 26478, Stop: 27674, Start Num: 135

Candidate Starts for ByChance_30:

(Start: 135 @26478 has 40 MA's), (156, 26562), (199, 26712), (218, 26766), (240, 26859), (248, 26907), (262, 27018), (266, 27039), (322, 27321), (325, 27342), (346, 27438), (359, 27483), (373, 27528), (380, 27552), (396, 27612),

Gene: Byougenkin_30 Start: 26387, Stop: 27595, Start Num: 135

Candidate Starts for Byougenkin_30:

(Start: 135 @26387 has 40 MA's), (158, 26483), (164, 26507), (191, 26600), (192, 26603), (212, 26648), (238, 26777), (248, 26828), (262, 26939), (266, 26960), (322, 27242), (325, 27263), (346, 27359), (359, 27404), (373, 27449), (380, 27473), (382, 27485), (396, 27533),

Gene: CRB2_49 Start: 43040, Stop: 44572, Start Num: 96

Candidate Starts for CRB2_49:

(1, 42311), (23, 42686), (38, 42809), (Start: 96 @43040 has 4 MA's), (Start: 102 @43049 has 1 MA's), (124, 43112), (133, 43148), (138, 43160), (162, 43262), (183, 43334), (185, 43346), (255, 43676), (265, 43751), (276, 43832), (294, 43913), (298, 43928), (322, 44021), (331, 44072), (346, 44165), (374, 44246), (385, 44282), (395, 44321), (397, 44327), (424, 44414), (427, 44429), (435, 44456),

Gene: Cabrinians_30 Start: 26504, Stop: 27775, Start Num: 68

Candidate Starts for Cabrinians_30:

(Start: 68 @26504 has 192 MA's), (104, 26621), (128, 26693), (154, 26810), (155, 26813), (178, 26891), (200, 26972), (272, 27014), (286, 27092), (318, 27218), (338, 27323), (342, 27338), (349, 27380), (361, 27416), (362, 27419), (377, 27470), (379, 27479), (418, 27593), (432, 27635), (434, 27644), (451, 27701), (452, 27704),

Gene: Cactojaque_245 Start: 141650, Stop: 143080, Start Num: 112

Candidate Starts for Cactojaque_245:

(Start: 112 @141650 has 191 MA's), (138, 141740), (152, 141803), (185, 141926), (192, 141950), (219, 142034), (230, 142076), (241, 142118), (265, 142283), (266, 142286), (318, 142541), (326, 142580), (332, 142610), (346, 142673), (351, 142694), (352, 142703), (354, 142706), (365, 142739), (371, 142754), (408, 142889), (431, 142964), (443, 143021), (444, 143024),

Gene: Cali_240 Start: 142429, Stop: 143859, Start Num: 112

Candidate Starts for Cali_240:

(Start: 112 @142429 has 191 MA's), (138, 142519), (152, 142582), (185, 142705), (192, 142729), (219, 142813), (230, 142855), (241, 142897), (265, 143062), (266, 143065), (318, 143320), (326, 143359), (332, 143389), (346, 143452), (351, 143473), (352, 143482), (354, 143485), (365, 143518), (371, 143533), (408, 143668), (431, 143743), (443, 143800), (444, 143803),

Gene: Calm_25 Start: 24389, Stop: 25561, Start Num: 61

Candidate Starts for Calm_25:

(54, 24359), (Start: 61 @24389 has 30 MA's), (194, 24836), (287, 24914), (296, 24959), (318, 25034), (328, 25079), (342, 25154), (345, 25181), (349, 25199), (361, 25235), (362, 25238), (379, 25298), (395, 25349), (399, 25364), (430, 25433), (436, 25457), (456, 25517),

Gene: Cane17_239 Start: 145840, Stop: 147270, Start Num: 112

Candidate Starts for Cane17_239:

(Start: 112 @145840 has 191 MA's), (138, 145930), (152, 145993), (185, 146116), (192, 146140), (219, 146224), (230, 146266), (241, 146308), (265, 146473), (266, 146476), (318, 146731), (326, 146770), (332, 146800), (346, 146863), (351, 146884), (352, 146893), (354, 146896), (365, 146929), (371, 146944), (408, 147079), (431, 147154), (444, 147214),

Gene: Capablanca_255 Start: 144683, Stop: 146113, Start Num: 112

Candidate Starts for Capablanca_255:

(Start: 112 @144683 has 191 MA's), (138, 144773), (152, 144836), (185, 144959), (192, 144983), (219, 145067), (230, 145109), (241, 145151), (265, 145316), (266, 145319), (318, 145574), (326, 145613), (332, 145643), (346, 145706), (351, 145727), (352, 145736), (354, 145739), (365, 145772), (371, 145787), (408, 145922), (431, 145997), (443, 146054), (444, 146057),

Gene: Caprice_53 Start: 30334, Stop: 31713, Start Num: 75

Candidate Starts for Caprice_53:

(Start: 75 @30334 has 20 MA's), (103, 30391), (117, 30427), (122, 30451), (127, 30463), (161, 30586), (169, 30628), (190, 30700), (195, 30724), (199, 30730), (221, 30811), (242, 30880), (244, 30883), (248, 30919), (251, 30955), (262, 31027), (265, 31045), (266, 31048), (284, 31165), (291, 31195), (322, 31327), (325, 31348), (332, 31381), (345, 31435), (346, 31441), (380, 31561), (388, 31591), (394, 31612), (403, 31642),

Gene: CaptainTrips_31 Start: 26707, Stop: 27915, Start Num: 135

Candidate Starts for CaptainTrips_31:

(49, 26455), (Start: 135 @26707 has 40 MA's), (158, 26803), (164, 26827), (191, 26920), (192, 26923), (212, 26968), (238, 27097), (248, 27148), (262, 27259), (266, 27280), (322, 27562), (325, 27583), (346, 27679), (359, 27724), (373, 27769), (380, 27793), (396, 27853),

Gene: Caravan_240 Start: 142733, Stop: 144163, Start Num: 112

Candidate Starts for Caravan_240:

(Start: 112 @142733 has 191 MA's), (138, 142823), (152, 142886), (185, 143009), (192, 143033), (219, 143117), (230, 143159), (241, 143201), (265, 143366), (266, 143369), (318, 143624), (326, 143663), (332, 143693), (346, 143756), (351, 143777), (352, 143786), (354, 143789), (365, 143822), (371, 143837), (408, 143972), (431, 144047), (443, 144104), (444, 144107),

Gene: Casbah_45 Start: 40161, Stop: 41384, Start Num: 60

Candidate Starts for Casbah_45:

(Start: 34 @40047 has 1 MA's), (35, 40050), (Start: 60 @40161 has 22 MA's), (Start: 66 @40182 has 1 MA's), (73, 40209), (76, 40224), (88, 40266), (Start: 110 @40317 has 1 MA's), (134, 40407), (141,

40422), (165, 40536), (194, 40638), (307, 40800), (318, 40845), (319, 40851), (320, 40854), (322, 40860), (328, 40890), (345, 40992), (361, 41049), (377, 41100), (384, 41136), (387, 41148), (395, 41181), (399, 41196), (453, 41346),

Gene: Catdawg_66 Start: 42246, Stop: 43466, Start Num: 131

Candidate Starts for Catdawg_66:

(Start: 131 @42246 has 32 MA's), (144, 42282), (156, 42333), (157, 42339), (199, 42489), (218, 42543), (240, 42636), (248, 42684), (262, 42792), (266, 42813), (322, 43101), (346, 43218), (353, 43251), (359, 43263), (373, 43314), (380, 43338), (396, 43398), (411, 43443),

Gene: Catera_239 Start: 141172, Stop: 142602, Start Num: 112

Candidate Starts for Catera_239:

(Start: 112 @141172 has 191 MA's), (138, 141262), (152, 141325), (185, 141448), (192, 141472), (219, 141556), (230, 141598), (241, 141640), (265, 141805), (266, 141808), (318, 142063), (326, 142102), (332, 142132), (346, 142195), (351, 142216), (352, 142225), (354, 142228), (365, 142261), (371, 142276), (408, 142411), (431, 142486), (443, 142543), (444, 142546),

Gene: Causa_55 Start: 44367, Stop: 45965, Start Num: 79

Candidate Starts for Causa_55:

(Start: 79 @44367 has 31 MA's), (94, 44415), (125, 44484), (162, 44586), (170, 44625), (183, 44664), (185, 44676), (214, 44778), (228, 44853), (246, 44931), (265, 45087), (276, 45168), (280, 45192), (281, 45195), (322, 45357), (323, 45360), (324, 45366), (346, 45501), (355, 45540), (367, 45576), (377, 45600), (424, 45774), (433, 45807), (465, 45921), (474, 45954),

Gene: Cerasum_26 Start: 22498, Stop: 23733, Start Num: 68

Candidate Starts for Cerasum_26:

(Start: 68 @22498 has 192 MA's), (104, 22618), (128, 22690), (154, 22807), (155, 22810), (178, 22888), (200, 22969), (272, 23011), (286, 23089), (318, 23215), (319, 23221), (328, 23260), (338, 23320), (342, 23335), (349, 23377), (361, 23413), (362, 23416), (377, 23467), (379, 23476), (418, 23590), (452, 23701), (460, 23722),

Gene: ChaChing_46 Start: 40324, Stop: 41547, Start Num: 60

Candidate Starts for ChaChing_46:

(41, 40252), (Start: 45 @40270 has 11 MA's), (47, 40273), (Start: 50 @40282 has 16 MA's), (Start: 60 @40324 has 22 MA's), (Start: 66 @40345 has 1 MA's), (73, 40372), (76, 40387), (88, 40429), (Start: 110 @40480 has 1 MA's), (134, 40570), (141, 40585), (165, 40699), (194, 40801), (307, 40963), (318, 41008), (319, 41014), (320, 41017), (322, 41023), (328, 41053), (345, 41155), (361, 41212), (377, 41263), (384, 41299), (387, 41311), (395, 41344), (399, 41359), (453, 41509),

Gene: Chalmers_46 Start: 41074, Stop: 42339, Start Num: 50

Candidate Starts for Chalmers_46:

(41, 41044), (Start: 45 @41062 has 11 MA's), (47, 41065), (Start: 50 @41074 has 16 MA's), (Start: 60 @41116 has 22 MA's), (Start: 66 @41137 has 1 MA's), (73, 41164), (76, 41179), (88, 41221), (Start: 110 @41272 has 1 MA's), (134, 41362), (141, 41377), (165, 41491), (194, 41593), (307, 41755), (318, 41800), (319, 41806), (320, 41809), (322, 41815), (328, 41845), (345, 41947), (361, 42004), (377, 42055), (384, 42091), (387, 42103), (395, 42136), (399, 42151), (453, 42301),

Gene: Chandler_46 Start: 41050, Stop: 42315, Start Num: 50

Candidate Starts for Chandler_46:

(41, 41020), (Start: 45 @41038 has 11 MA's), (47, 41041), (Start: 50 @41050 has 16 MA's), (Start: 60 @41092 has 22 MA's), (Start: 66 @41113 has 1 MA's), (73, 41140), (76, 41155), (88, 41197), (Start: 110 @41248 has 1 MA's), (134, 41338), (141, 41353), (165, 41467), (194, 41569), (307, 41731), (318, 41776), (319, 41782), (320, 41785), (322, 41791), (328, 41821), (345, 41923), (361, 41980), (377,

42031), (384, 42067), (387, 42079), (395, 42112), (399, 42127), (453, 42277),

Gene: Chargie21_248 Start: 140927, Stop: 142357, Start Num: 112

Candidate Starts for Chargie21_248:

(Start: 112 @140927 has 191 MA's), (138, 141017), (152, 141080), (185, 141203), (192, 141227), (219, 141311), (230, 141353), (241, 141395), (265, 141560), (266, 141563), (318, 141818), (326, 141857), (332, 141887), (346, 141950), (351, 141971), (352, 141980), (354, 141983), (365, 142016), (371, 142031), (408, 142166), (431, 142241), (443, 142298), (444, 142301),

Gene: CharlieB_245 Start: 142195, Stop: 143625, Start Num: 112

Candidate Starts for CharlieB_245:

(Start: 112 @142195 has 191 MA's), (138, 142285), (152, 142348), (185, 142471), (192, 142495), (219, 142579), (230, 142621), (241, 142663), (265, 142828), (266, 142831), (318, 143086), (326, 143125), (332, 143155), (346, 143218), (351, 143239), (352, 143248), (354, 143251), (365, 143284), (371, 143299), (408, 143434), (431, 143509), (444, 143569),

Gene: Chaser_25 Start: 24155, Stop: 25327, Start Num: 61

Candidate Starts for Chaser_25:

(Start: 61 @24155 has 30 MA's), (Start: 64 @24164 has 1 MA's), (165, 24530), (193, 24599), (287, 24680), (318, 24800), (349, 24965), (361, 25001), (379, 25064), (399, 25130), (429, 25196), (430, 25199),

Gene: ChaylaJr_249 Start: 141869, Stop: 143299, Start Num: 112

Candidate Starts for ChaylaJr_249:

(Start: 112 @141869 has 191 MA's), (138, 141959), (152, 142022), (185, 142145), (192, 142169), (219, 142253), (230, 142295), (241, 142337), (265, 142502), (266, 142505), (318, 142760), (326, 142799), (332, 142829), (346, 142892), (351, 142913), (352, 142922), (354, 142925), (365, 142958), (371, 142973), (408, 143108), (431, 143183), (443, 143240), (444, 143243),

Gene: Che8_32 Start: 26683, Stop: 27957, Start Num: 68

Candidate Starts for Che8_32:

(Start: 68 @26683 has 192 MA's), (104, 26803), (128, 26875), (154, 26992), (155, 26995), (178, 27073), (200, 27154), (272, 27196), (286, 27274), (318, 27400), (319, 27406), (328, 27445), (342, 27520), (349, 27562), (361, 27598), (363, 27616), (377, 27652), (379, 27661), (418, 27775), (432, 27817), (434, 27826), (451, 27883), (452, 27886),

Gene: Cheesepuff_33 Start: 27483, Stop: 28778, Start Num: 100

Candidate Starts for Cheesepuff_33:

(Start: 100 @27483 has 18 MA's), (142, 27603), (196, 27792), (198, 27795), (227, 27897), (239, 27954), (248, 28008), (256, 28071), (266, 28134), (267, 28137), (280, 28242), (301, 28326), (322, 28422), (346, 28539), (353, 28572), (359, 28584), (389, 28689), (398, 28722),

Gene: Chentzyk_46 Start: 40673, Stop: 41896, Start Num: 60

Candidate Starts for Chentzyk_46:

(Start: 34 @40559 has 1 MA's), (35, 40562), (Start: 60 @40673 has 22 MA's), (Start: 66 @40694 has 1 MA's), (73, 40721), (76, 40736), (88, 40778), (Start: 110 @40829 has 1 MA's), (134, 40919), (141, 40934), (165, 41048), (194, 41150), (307, 41312), (318, 41357), (319, 41363), (320, 41366), (322, 41372), (328, 41402), (345, 41504), (361, 41561), (377, 41612), (384, 41648), (387, 41660), (395, 41693), (399, 41708), (453, 41858),

Gene: Chevrolet_30 Start: 26308, Stop: 27474, Start Num: 68

Candidate Starts for Chevrolet_30:

(Start: 68 @26308 has 192 MA's), (91, 26392), (141, 26542), (151, 26596), (187, 26737), (287, 26818), (318, 26944), (319, 26950), (328, 26989), (342, 27064), (349, 27106), (361, 27142), (362, 27145), (377, 27196), (379, 27205), (418, 27319),

Gene: ChickenDinner_32 Start: 26938, Stop: 28140, Start Num: 68

Candidate Starts for ChickenDinner_32:

(Start: 68 @26938 has 192 MA's), (91, 27022), (141, 27172), (151, 27226), (187, 27367), (287, 27448), (318, 27574), (319, 27580), (320, 27583), (328, 27619), (342, 27694), (349, 27736), (361, 27772), (377, 27826), (379, 27835), (399, 27901), (418, 27958), (432, 28000), (434, 28009), (447, 28051), (451, 28066), (452, 28069),

Gene: ChickenPhender_246 Start: 140625, Stop: 142055, Start Num: 112

Candidate Starts for ChickenPhender_246:

(Start: 112 @140625 has 191 MA's), (138, 140715), (152, 140778), (185, 140901), (192, 140925), (219, 141009), (230, 141051), (241, 141093), (265, 141258), (266, 141261), (318, 141516), (326, 141555), (332, 141585), (346, 141648), (351, 141669), (352, 141678), (354, 141681), (365, 141714), (371, 141729), (408, 141864), (431, 141939), (443, 141996), (444, 141999),

Gene: Chomp_249 Start: 144061, Stop: 145491, Start Num: 112

Candidate Starts for Chomp_249:

(Start: 112 @144061 has 191 MA's), (138, 144151), (152, 144214), (185, 144337), (192, 144361), (219, 144445), (230, 144487), (241, 144529), (265, 144694), (266, 144697), (318, 144952), (326, 144991), (332, 145021), (346, 145084), (351, 145105), (352, 145114), (354, 145117), (365, 145150), (371, 145165), (408, 145300), (431, 145375), (443, 145432), (444, 145435),

Gene: ChrisnMich_43 Start: 39525, Stop: 41261, Start Num: 79

Candidate Starts for ChrisnMich_43:

(Start: 79 @39525 has 31 MA's), (109, 39600), (115, 39618), (120, 39639), (125, 39654), (143, 39726), (165, 39819), (185, 39891), (192, 39915), (215, 40002), (217, 40017), (254, 40200), (265, 40281), (276, 40362), (280, 40386), (292, 40431), (319, 40542), (322, 40551), (324, 40560), (339, 40656), (346, 40695), (367, 40764), (377, 40788), (383, 40815), (390, 40845), (414, 40923), (420, 40947), (425, 40965), (426, 40968), (433, 40992), (441, 41037), (466, 41121),

Gene: Chuckly_30 Start: 26483, Stop: 27691, Start Num: 135

Candidate Starts for Chuckly_30:

(Start: 135 @26483 has 40 MA's), (158, 26579), (164, 26603), (191, 26696), (192, 26699), (212, 26744), (238, 26873), (248, 26924), (262, 27035), (266, 27056), (322, 27338), (325, 27359), (346, 27455), (359, 27500), (373, 27545), (380, 27569), (396, 27629),

Gene: ChutneyChips_26 Start: 24341, Stop: 25510, Start Num: 61

Candidate Starts for ChutneyChips_26:

(Start: 61 @24341 has 30 MA's), (Start: 64 @24350 has 1 MA's), (107, 24485), (129, 24551), (134, 24581), (151, 24650), (165, 24713), (193, 24782), (287, 24863), (318, 24983), (349, 25148), (361, 25184), (379, 25247), (399, 25313), (429, 25379), (430, 25382), (436, 25406),

Gene: CicholasNage_25 Start: 24377, Stop: 25549, Start Num: 61

Candidate Starts for CicholasNage_25:

(54, 24347), (Start: 61 @24377 has 30 MA's), (194, 24824), (287, 24902), (296, 24947), (318, 25022), (328, 25067), (342, 25142), (345, 25169), (349, 25187), (361, 25223), (362, 25226), (379, 25286), (395, 25337), (399, 25352), (430, 25421), (436, 25445), (456, 25505),

Gene: CindyLou_251 Start: 144321, Stop: 145751, Start Num: 112

Candidate Starts for CindyLou_251:

(Start: 112 @144321 has 191 MA's), (138, 144411), (139, 144414), (152, 144474), (185, 144597), (192, 144621), (219, 144705), (230, 144747), (241, 144789), (265, 144954), (266, 144957), (318, 145212), (326, 145251), (332, 145281), (346, 145344), (351, 145365), (352, 145374), (354, 145377), (365, 145410), (371, 145425), (408, 145560), (431, 145635), (443, 145692), (444, 145695),

Gene: Clank_28 Start: 25674, Stop: 26948, Start Num: 68

Candidate Starts for Clank_28:

(Start: 68 @25674 has 192 MA's), (104, 25794), (154, 25983), (155, 25986), (178, 26064), (200, 26145), (272, 26187), (286, 26265), (318, 26391), (319, 26397), (328, 26436), (338, 26496), (342, 26511), (347, 26547), (349, 26553), (361, 26589), (363, 26607), (377, 26643), (379, 26652), (418, 26766), (432, 26808), (434, 26817), (451, 26874), (452, 26877),

Gene: Clarkson_55 Start: 30703, Stop: 32082, Start Num: 75

Candidate Starts for Clarkson_55:

(Start: 75 @30703 has 20 MA's), (103, 30760), (117, 30796), (122, 30820), (127, 30832), (161, 30955), (169, 30997), (190, 31069), (195, 31093), (199, 31099), (221, 31180), (242, 31249), (244, 31252), (248, 31288), (251, 31324), (262, 31396), (265, 31414), (266, 31417), (284, 31534), (291, 31564), (322, 31696), (325, 31717), (332, 31750), (345, 31804), (346, 31810), (380, 31930), (388, 31960), (394, 31981), (403, 32011),

Gene: Cleatunium_242 Start: 142331, Stop: 143761, Start Num: 112

Candidate Starts for Cleatunium_242:

(Start: 112 @142331 has 191 MA's), (138, 142421), (152, 142484), (185, 142607), (192, 142631), (219, 142715), (230, 142757), (241, 142799), (265, 142964), (266, 142967), (318, 143222), (326, 143261), (332, 143291), (346, 143354), (351, 143375), (352, 143384), (354, 143387), (365, 143420), (371, 143435), (408, 143570), (431, 143645), (444, 143705),

Gene: Clifton_24 Start: 22465, Stop: 23661, Start Num: 135

Candidate Starts for Clifton_24:

(44, 22195), (Start: 135 @22465 has 40 MA's), (156, 22549), (199, 22699), (218, 22753), (240, 22846), (248, 22894), (262, 23005), (266, 23026), (322, 23308), (325, 23329), (346, 23425), (359, 23470), (373, 23515), (380, 23539), (396, 23599),

Gene: Coco12_29 Start: 25845, Stop: 27582, Start Num: 68

Candidate Starts for Coco12_29:

(14, 25572), (21, 25593), (Start: 68 @25845 has 192 MA's), (91, 25929), (141, 26079), (151, 26133), (187, 26274), (195, 26307), (207, 26355), (210, 26454), (269, 26847), (302, 27000), (321, 27078), (334, 27141), (341, 27180), (376, 27312), (381, 27333), (393, 27369),

Gene: Colt_240 Start: 145032, Stop: 146462, Start Num: 112

Candidate Starts for Colt_240:

(Start: 112 @145032 has 191 MA's), (138, 145122), (152, 145185), (185, 145308), (192, 145332), (219, 145416), (230, 145458), (241, 145500), (265, 145665), (266, 145668), (318, 145923), (326, 145962), (332, 145992), (346, 146055), (351, 146076), (352, 146085), (354, 146088), (365, 146121), (371, 146136), (408, 146271), (431, 146346), (444, 146406),

Gene: Compostia_47 Start: 40686, Stop: 41963, Start Num: 45

Candidate Starts for Compostia_47:

(41, 40668), (Start: 45 @40686 has 11 MA's), (47, 40689), (Start: 50 @40698 has 16 MA's), (Start: 60 @40740 has 22 MA's), (Start: 66 @40761 has 1 MA's), (73, 40788), (76, 40803), (88, 40845), (Start: 110 @40896 has 1 MA's), (134, 40986), (141, 41001), (165, 41115), (194, 41217), (307, 41379), (318, 41424), (319, 41430), (320, 41433), (322, 41439), (328, 41469), (345, 41571), (361, 41628), (377, 41679), (384, 41715), (387, 41727), (395, 41760), (399, 41775), (453, 41925),

Gene: Concombre_256 Start: 144663, Stop: 146096, Start Num: 111

Candidate Starts for Concombre_256:

(99, 144639), (111, 144663), (Start: 112 @144666 has 191 MA's), (138, 144756), (152, 144819), (185, 144942), (192, 144966), (219, 145050), (230, 145092), (241, 145134), (265, 145299), (266, 145302), (318, 145557), (326, 145596), (332, 145626), (346, 145689), (351, 145710), (352, 145719), (354, 145722), (365, 145755), (371, 145770), (408, 145905), (431, 145980), (443, 146037), (444, 146040),

Gene: Cooper_44 Start: 39744, Stop: 41456, Start Num: 79

Candidate Starts for Cooper_44:

(Start: 79 @39744 has 31 MA's), (115, 39837), (120, 39858), (125, 39873), (143, 39945), (165, 40038), (185, 40110), (192, 40134), (215, 40221), (217, 40236), (224, 40266), (247, 40356), (251, 40401), (254, 40419), (255, 40425), (265, 40500), (276, 40581), (280, 40605), (281, 40608), (319, 40761), (322, 40770), (324, 40779), (346, 40914), (367, 40983), (383, 41034), (390, 41064), (420, 41166), (425, 41184), (433, 41211), (466, 41340), (469, 41349), (477, 41394),

Gene: Corazon_52 Start: 30897, Stop: 32276, Start Num: 75

Candidate Starts for Corazon_52:

(Start: 75 @30897 has 20 MA's), (103, 30954), (117, 30990), (122, 31014), (127, 31026), (161, 31149), (169, 31191), (190, 31263), (195, 31287), (199, 31293), (221, 31374), (242, 31443), (244, 31446), (248, 31482), (251, 31518), (262, 31590), (265, 31608), (266, 31611), (284, 31728), (291, 31758), (322, 31890), (325, 31911), (332, 31944), (345, 31998), (346, 32004), (380, 32124), (388, 32154), (394, 32175), (403, 32205),

Gene: Corium_30 Start: 26519, Stop: 27715, Start Num: 135

Candidate Starts for Corium_30:

(47, 26267), (Start: 135 @26519 has 40 MA's), (156, 26603), (199, 26753), (218, 26807), (240, 26900), (248, 26948), (262, 27059), (266, 27080), (322, 27362), (325, 27383), (346, 27479), (359, 27524), (373, 27569), (380, 27593), (396, 27653),

Gene: Corndog_69 Start: 43240, Stop: 44460, Start Num: 131

Candidate Starts for Corndog_69:

(Start: 131 @43240 has 32 MA's), (144, 43276), (156, 43327), (157, 43333), (158, 43336), (199, 43483), (218, 43537), (240, 43630), (248, 43678), (262, 43786), (266, 43807), (322, 44095), (346, 44212), (353, 44245), (359, 44257), (373, 44308), (380, 44332), (396, 44392), (411, 44437),

Gene: Cornie_30 Start: 26720, Stop: 28018, Start Num: 68

Candidate Starts for Cornie_30:

(Start: 68 @26720 has 192 MA's), (104, 26837), (128, 26909), (154, 27026), (155, 27029), (178, 27107), (200, 27188), (272, 27239), (307, 27416), (318, 27458), (320, 27467), (349, 27623), (418, 27836), (432, 27878), (434, 27887), (451, 27944), (452, 27947),

Gene: Cornucopia_31 Start: 26383, Stop: 27534, Start Num: 68

Candidate Starts for Cornucopia_31:

(14, 26110), (21, 26131), (Start: 68 @26383 has 192 MA's), (91, 26467), (141, 26617), (151, 26671), (187, 26812), (287, 26890), (318, 27016), (319, 27022), (328, 27061), (338, 27121), (342, 27136), (349, 27178), (361, 27214), (362, 27217), (377, 27268), (379, 27277), (418, 27391), (452, 27502), (459, 27520), (460, 27523),

Gene: Corofin_46 Start: 40293, Stop: 41558, Start Num: 50

Candidate Starts for Corofin_46:

(41, 40263), (Start: 45 @40281 has 11 MA's), (47, 40284), (Start: 50 @40293 has 16 MA's), (Start: 60 @40335 has 22 MA's), (Start: 66 @40356 has 1 MA's), (73, 40383), (76, 40398), (88, 40440), (Start:

110 @40491 has 1 MA's), (134, 40581), (141, 40596), (165, 40710), (194, 40812), (307, 40974), (318, 41019), (319, 41025), (320, 41028), (322, 41034), (328, 41064), (345, 41166), (361, 41223), (377, 41274), (384, 41310), (387, 41322), (395, 41355), (399, 41370), (453, 41520),

Gene: Crumble_24 Start: 22512, Stop: 23705, Start Num: 68

Candidate Starts for Crumble_24:

(18, 22242), (Start: 68 @22512 has 192 MA's), (91, 22596), (141, 22746), (151, 22800), (174, 22893), (183, 22923), (187, 22944), (287, 23022), (318, 23148), (319, 23154), (320, 23157), (342, 23268), (349, 23310), (361, 23346), (362, 23349), (377, 23400), (379, 23409), (418, 23523), (432, 23565), (434, 23574), (451, 23631), (452, 23634),

Gene: DLane_30 Start: 26332, Stop: 27486, Start Num: 68

Candidate Starts for DLane_30:

(14, 26059), (17, 26062), (21, 26080), (Start: 68 @26332 has 192 MA's), (91, 26416), (141, 26566), (151, 26620), (187, 26761), (287, 26842), (318, 26968), (319, 26974), (328, 27013), (338, 27073), (342, 27088), (349, 27130), (361, 27166), (362, 27169), (377, 27220), (379, 27229), (418, 27343), (452, 27454), (460, 27475),

Gene: DRBy19_30 Start: 26346, Stop: 27617, Start Num: 68

Candidate Starts for DRBy19_30:

(Start: 68 @26346 has 192 MA's), (104, 26463), (128, 26535), (154, 26652), (155, 26655), (178, 26733), (200, 26814), (272, 26856), (286, 26934), (318, 27060), (338, 27165), (342, 27180), (349, 27222), (361, 27258), (362, 27261), (377, 27312), (379, 27321), (418, 27435), (432, 27477), (434, 27486), (451, 27543), (452, 27546),

Gene: DTDevon_251 Start: 144700, Stop: 146130, Start Num: 112

Candidate Starts for DTDevon_251:

(Start: 112 @144700 has 191 MA's), (138, 144790), (152, 144853), (185, 144976), (192, 145000), (219, 145084), (230, 145126), (241, 145168), (265, 145333), (266, 145336), (318, 145591), (326, 145630), (332, 145660), (346, 145723), (351, 145744), (352, 145753), (354, 145756), (365, 145789), (371, 145804), (408, 145939), (431, 146014), (443, 146071), (444, 146074),

Gene: DaWorst_32 Start: 26862, Stop: 28055, Start Num: 68

Candidate Starts for DaWorst_32:

(15, 26589), (22, 26610), (Start: 68 @26862 has 192 MA's), (91, 26946), (141, 27096), (151, 27150), (187, 27291), (287, 27372), (318, 27498), (319, 27504), (320, 27507), (328, 27543), (342, 27618), (349, 27660), (361, 27696), (379, 27759), (418, 27873), (432, 27915), (434, 27924), (451, 27981), (452, 27984),

Gene: DaddyRickover_30 Start: 26502, Stop: 27698, Start Num: 135

Candidate Starts for DaddyRickover_30:

(42, 26229), (43, 26232), (Start: 135 @26502 has 40 MA's), (156, 26586), (199, 26736), (218, 26790), (240, 26883), (248, 26931), (262, 27042), (266, 27063), (322, 27345), (325, 27366), (346, 27462), (359, 27507), (373, 27552), (380, 27576), (396, 27636),

Gene: Daenerys_30 Start: 26326, Stop: 27519, Start Num: 68

Candidate Starts for Daenerys_30:

(Start: 68 @26326 has 192 MA's), (91, 26410), (141, 26560), (151, 26614), (187, 26755), (287, 26836), (318, 26962), (319, 26968), (320, 26971), (342, 27082), (349, 27124), (361, 27160), (377, 27214), (379, 27223), (418, 27337), (432, 27379), (434, 27388), (451, 27445), (452, 27448),

Gene: Daffodil_256 Start: 142987, Stop: 144417, Start Num: 112

Candidate Starts for Daffodil_256:

(Start: 112 @142987 has 191 MA's), (138, 143077), (152, 143140), (185, 143263), (192, 143287), (219, 143371), (230, 143413), (241, 143455), (265, 143620), (266, 143623), (318, 143878), (326, 143917), (332, 143947), (346, 144010), (351, 144031), (352, 144040), (354, 144043), (365, 144076), (371, 144091), (408, 144226), (431, 144301), (443, 144358), (444, 144361),

Gene: Daisy_46 Start: 40294, Stop: 41559, Start Num: 50

Candidate Starts for Daisy_46:

(41, 40264), (Start: 45 @40282 has 11 MA's), (47, 40285), (Start: 50 @40294 has 16 MA's), (Start: 60 @40336 has 22 MA's), (Start: 66 @40357 has 1 MA's), (73, 40384), (76, 40399), (88, 40441), (Start: 110 @40492 has 1 MA's), (134, 40582), (141, 40597), (165, 40711), (194, 40813), (307, 40975), (318, 41020), (319, 41026), (320, 41029), (322, 41035), (328, 41065), (345, 41167), (361, 41224), (377, 41275), (384, 41311), (387, 41323), (395, 41356), (399, 41371), (453, 41521),

Gene: Dandelion_256 Start: 145521, Stop: 146951, Start Num: 112

Candidate Starts for Dandelion_256:

(Start: 112 @145521 has 191 MA's), (138, 145611), (139, 145614), (152, 145674), (185, 145797), (192, 145821), (219, 145905), (230, 145947), (241, 145989), (265, 146154), (266, 146157), (318, 146412), (326, 146451), (332, 146481), (346, 146544), (351, 146565), (352, 146574), (354, 146577), (365, 146610), (371, 146625), (408, 146760), (431, 146835), (443, 146892), (444, 146895),

Gene: Dante_30 Start: 26366, Stop: 27637, Start Num: 68

Candidate Starts for Dante_30:

(Start: 68 @26366 has 192 MA's), (104, 26483), (128, 26555), (154, 26672), (155, 26675), (178, 26753), (200, 26834), (272, 26876), (286, 26954), (318, 27080), (319, 27086), (320, 27089), (342, 27200), (349, 27242), (362, 27281), (363, 27296), (377, 27332), (379, 27341), (418, 27455), (432, 27497), (451, 27563), (452, 27566),

Gene: Darko_250 Start: 142645, Stop: 144075, Start Num: 112

Candidate Starts for Darko_250:

(Start: 112 @142645 has 191 MA's), (138, 142735), (139, 142738), (152, 142798), (185, 142921), (192, 142945), (219, 143029), (230, 143071), (241, 143113), (265, 143278), (266, 143281), (318, 143536), (326, 143575), (332, 143605), (346, 143668), (351, 143689), (352, 143698), (354, 143701), (365, 143734), (371, 143749), (408, 143884), (431, 143959), (443, 144016), (444, 144019),

Gene: DeadP_30 Start: 26529, Stop: 27683, Start Num: 68

Candidate Starts for DeadP_30:

(14, 26256), (21, 26277), (Start: 68 @26529 has 192 MA's), (91, 26613), (141, 26763), (151, 26817), (187, 26958), (287, 27039), (318, 27165), (319, 27171), (328, 27210), (338, 27270), (342, 27285), (349, 27327), (361, 27363), (362, 27366), (377, 27417), (379, 27426), (418, 27540), (452, 27651), (460, 27672),

Gene: Deb65_30 Start: 26328, Stop: 27521, Start Num: 68

Candidate Starts for Deb65_30:

(21, 26076), (Start: 68 @26328 has 192 MA's), (91, 26412), (141, 26562), (151, 26616), (187, 26757), (287, 26838), (318, 26964), (328, 27009), (342, 27084), (349, 27126), (361, 27162), (362, 27165), (377, 27216), (379, 27225), (418, 27339), (432, 27381), (434, 27390), (451, 27447), (452, 27450),

Gene: DeejaClivia_237 Start: 140388, Stop: 141818, Start Num: 112

Candidate Starts for DeejaClivia_237:

(Start: 112 @140388 has 191 MA's), (138, 140478), (152, 140541), (185, 140664), (192, 140688), (219, 140772), (230, 140814), (241, 140856), (265, 141021), (266, 141024), (318, 141279), (326, 141318), (332, 141348), (346, 141411), (351, 141432), (352, 141441), (354, 141444), (365, 141477), (371, 141492), (408, 141627), (431, 141702), (444, 141762),

Gene: Deenasa_46 Start: 41029, Stop: 42294, Start Num: 50

Candidate Starts for Deenasa_46:

(41, 40999), (Start: 45 @41017 has 11 MA's), (47, 41020), (Start: 50 @41029 has 16 MA's), (Start: 60 @41071 has 22 MA's), (Start: 66 @41092 has 1 MA's), (73, 41119), (76, 41134), (88, 41176), (Start: 110 @41227 has 1 MA's), (134, 41317), (141, 41332), (165, 41446), (194, 41548), (307, 41710), (318, 41755), (319, 41761), (320, 41764), (322, 41770), (328, 41800), (345, 41902), (361, 41959), (377, 42010), (384, 42046), (387, 42058), (395, 42091), (399, 42106), (453, 42256),

Gene: Delilah_248 Start: 143080, Stop: 144510, Start Num: 112

Candidate Starts for Delilah_248:

(Start: 112 @143080 has 191 MA's), (138, 143170), (152, 143233), (185, 143356), (192, 143380), (219, 143464), (230, 143506), (241, 143548), (265, 143713), (266, 143716), (318, 143971), (326, 144010), (332, 144040), (346, 144103), (351, 144124), (352, 144133), (354, 144136), (365, 144169), (371, 144184), (408, 144319), (431, 144394), (443, 144451), (444, 144454),

Gene: Delylah_252 Start: 143357, Stop: 144787, Start Num: 112

Candidate Starts for Delylah_252:

(Start: 112 @143357 has 191 MA's), (138, 143447), (152, 143510), (185, 143633), (192, 143657), (219, 143741), (230, 143783), (241, 143825), (265, 143990), (266, 143993), (318, 144248), (326, 144287), (332, 144317), (346, 144380), (351, 144401), (352, 144410), (354, 144413), (365, 144446), (371, 144461), (408, 144596), (431, 144671), (443, 144728), (444, 144731),

Gene: Demikore_41 Start: 33847, Stop: 35238, Start Num: 51

Candidate Starts for Demikore_41:

(Start: 51 @33847 has 3 MA's), (Start: 60 @33886 has 22 MA's), (70, 33922), (84, 33982), (92, 34012), (130, 34129), (140, 34153), (166, 34270), (181, 34315), (274, 34390), (276, 34399), (299, 34486), (322, 34558), (337, 34645), (342, 34663), (356, 34735), (361, 34747), (377, 34801), (380, 34813), (384, 34837), (407, 34915), (417, 34948), (423, 34963), (439, 35032), (456, 35071), (468, 35110), (474, 35131), (486, 35230),

Gene: Demodog_258 Start: 144673, Stop: 146106, Start Num: 111

Candidate Starts for Demodog_258:

(99, 144649), (111, 144673), (Start: 112 @144676 has 191 MA's), (138, 144766), (152, 144829), (185, 144952), (192, 144976), (219, 145060), (230, 145102), (241, 145144), (265, 145309), (266, 145312), (318, 145567), (326, 145606), (332, 145636), (346, 145699), (351, 145720), (352, 145729), (354, 145732), (365, 145765), (371, 145780), (408, 145915), (431, 145990), (444, 146050),

Gene: Demsculpinboyz_35 Start: 25454, Stop: 26752, Start Num: 100

Candidate Starts for Demsculpinboyz_35:

(Start: 100 @25454 has 18 MA's), (124, 25526), (142, 25574), (144, 25592), (157, 25646), (196, 25763), (198, 25766), (227, 25868), (239, 25925), (248, 25979), (256, 26042), (266, 26105), (267, 26108), (284, 26222), (288, 26234), (301, 26297), (322, 26393), (346, 26510), (353, 26543), (359, 26555), (389, 26660), (398, 26693), (411, 26732),

Gene: Derek_246 Start: 143338, Stop: 144768, Start Num: 112

Candidate Starts for Derek_246:

(Start: 112 @143338 has 191 MA's), (138, 143428), (152, 143491), (185, 143614), (192, 143638), (219, 143722), (230, 143764), (241, 143806), (265, 143971), (266, 143974), (318, 144229), (326, 144268), (332, 144298), (346, 144361), (351, 144382), (352, 144391), (354, 144394), (365, 144427), (371, 144442), (408, 144577), (431, 144652), (443, 144709), (444, 144712),

Gene: Dessert_251 Start: 142337, Stop: 143767, Start Num: 112

Candidate Starts for Dessert_251:

(Start: 112 @142337 has 191 MA's), (138, 142427), (152, 142490), (185, 142613), (192, 142637), (219, 142721), (230, 142763), (241, 142805), (265, 142970), (266, 142973), (318, 143228), (326, 143267), (332, 143297), (346, 143360), (351, 143381), (352, 143390), (354, 143393), (365, 143426), (371, 143441), (408, 143576), (431, 143651), (443, 143708), (444, 143711),

Gene: Devonte_46 Start: 40300, Stop: 41523, Start Num: 60

Candidate Starts for Devonte_46:

(Start: 34 @40186 has 1 MA's), (35, 40189), (Start: 60 @40300 has 22 MA's), (Start: 66 @40321 has 1 MA's), (73, 40348), (76, 40363), (88, 40405), (Start: 110 @40456 has 1 MA's), (134, 40546), (141, 40561), (165, 40675), (194, 40777), (307, 40939), (318, 40984), (319, 40990), (320, 40993), (322, 40999), (328, 41029), (345, 41131), (361, 41188), (377, 41239), (384, 41275), (387, 41287), (395, 41320), (399, 41335), (453, 41485),

Gene: Dietrick_239 Start: 141201, Stop: 142631, Start Num: 112

Candidate Starts for Dietrick_239:

(Start: 112 @141201 has 191 MA's), (138, 141291), (152, 141354), (185, 141477), (192, 141501), (219, 141585), (230, 141627), (241, 141669), (265, 141834), (266, 141837), (318, 142092), (326, 142131), (332, 142161), (346, 142224), (351, 142245), (352, 142254), (354, 142257), (365, 142290), (371, 142305), (408, 142440), (431, 142515), (443, 142572), (444, 142575),

Gene: DillTech15_30 Start: 26411, Stop: 27607, Start Num: 135

Candidate Starts for DillTech15_30:

(Start: 135 @26411 has 40 MA's), (156, 26495), (199, 26645), (218, 26699), (240, 26792), (248, 26840), (262, 26951), (266, 26972), (322, 27254), (325, 27275), (346, 27371), (359, 27416), (373, 27461), (380, 27485), (396, 27545),

Gene: Diminimus_36 Start: 29798, Stop: 31165, Start Num: 74

Candidate Starts for Diminimus_36:

(Start: 74 @29798 has 16 MA's), (89, 29855), (98, 29882), (105, 29897), (113, 29918), (114, 29921), (148, 30059), (153, 30083), (173, 30161), (176, 30167), (177, 30170), (195, 30245), (295, 30377), (304, 30404), (306, 30413), (323, 30467), (328, 30494), (333, 30524), (343, 30578), (359, 30650), (410, 30836), (445, 30956), (451, 30977), (457, 30995), (463, 31010), (471, 31040), (475, 31070), (478, 31106), (479, 31109), (485, 31145),

Gene: DirkDirk_25 Start: 24358, Stop: 25530, Start Num: 61

Candidate Starts for DirkDirk_25:

(54, 24328), (Start: 61 @24358 has 30 MA's), (194, 24805), (287, 24883), (296, 24928), (318, 25003), (328, 25048), (342, 25123), (345, 25150), (349, 25168), (361, 25204), (362, 25207), (379, 25267), (395, 25318), (399, 25333), (430, 25402), (436, 25426), (456, 25486),

Gene: DirtMcgirt_31 Start: 26149, Stop: 27342, Start Num: 68

Candidate Starts for DirtMcgirt_31:

(Start: 68 @26149 has 192 MA's), (91, 26233), (141, 26383), (151, 26437), (174, 26530), (187, 26578), (287, 26659), (318, 26785), (319, 26791), (320, 26794), (342, 26905), (349, 26947), (361, 26983), (363, 27001), (377, 27037), (379, 27046), (418, 27160), (432, 27202), (434, 27211), (451, 27268), (452, 27271),

Gene: DirtMonster_239 Start: 141933, Stop: 143363, Start Num: 112

Candidate Starts for DirtMonster_239:

(Start: 112 @141933 has 191 MA's), (138, 142023), (152, 142086), (185, 142209), (192, 142233), (219, 142317), (230, 142359), (241, 142401), (265, 142566), (266, 142569), (318, 142824), (326, 142863), (332, 142893), (346, 142956), (351, 142977), (352, 142986), (354, 142989), (365, 143022),

(371, 143037), (408, 143172), (431, 143247), (443, 143304), (444, 143307),

Gene: DoRead_31 Start: 26477, Stop: 27751, Start Num: 68

Candidate Starts for DoRead_31:

(Start: 68 @26477 has 192 MA's), (104, 26597), (128, 26669), (154, 26786), (155, 26789), (178, 26867), (200, 26948), (272, 26990), (286, 27068), (318, 27194), (319, 27200), (320, 27203), (328, 27239), (342, 27314), (349, 27356), (361, 27392), (362, 27395), (377, 27446), (379, 27455), (418, 27569), (432, 27611), (434, 27620), (451, 27677), (452, 27680),

Gene: DocMcStuffins_32 Start: 26938, Stop: 28140, Start Num: 68

Candidate Starts for DocMcStuffins_32:

(Start: 68 @26938 has 192 MA's), (91, 27022), (141, 27172), (151, 27226), (187, 27367), (287, 27448), (318, 27574), (319, 27580), (320, 27583), (328, 27619), (342, 27694), (349, 27736), (361, 27772), (377, 27826), (379, 27835), (399, 27901), (418, 27958), (432, 28000), (434, 28009), (447, 28051), (451, 28066), (452, 28069),

Gene: Domi_244 Start: 142540, Stop: 143970, Start Num: 112

Candidate Starts for Domi_244:

(Start: 112 @142540 has 191 MA's), (138, 142630), (139, 142633), (152, 142693), (185, 142816), (192, 142840), (219, 142924), (230, 142966), (241, 143008), (265, 143173), (266, 143176), (318, 143431), (326, 143470), (332, 143500), (346, 143563), (351, 143584), (352, 143593), (354, 143596), (365, 143629), (371, 143644), (408, 143779), (431, 143854), (443, 143911), (444, 143914),

Gene: Donkeykong_30 Start: 26497, Stop: 27708, Start Num: 68

Candidate Starts for Donkeykong_30:

(Start: 68 @26497 has 192 MA's), (91, 26581), (141, 26731), (151, 26785), (174, 26878), (187, 26926), (287, 27007), (318, 27133), (319, 27139), (328, 27178), (338, 27238), (342, 27253), (349, 27295), (361, 27331), (362, 27334), (363, 27349), (377, 27385), (379, 27394), (418, 27508), (452, 27619),

Gene: Doomphist_30 Start: 26448, Stop: 27641, Start Num: 68

Candidate Starts for Doomphist_30:

(Start: 68 @26448 has 192 MA's), (91, 26532), (141, 26682), (151, 26736), (187, 26877), (287, 26958), (318, 27084), (319, 27090), (320, 27093), (342, 27204), (349, 27246), (361, 27282), (377, 27336), (379, 27345), (418, 27459), (432, 27501), (434, 27510), (451, 27567), (452, 27570),

Gene: Doomslug_33 Start: 26203, Stop: 27357, Start Num: 68

Candidate Starts for Doomslug_33:

(14, 25930), (21, 25951), (Start: 68 @26203 has 192 MA's), (91, 26287), (141, 26437), (151, 26491), (187, 26632), (287, 26713), (318, 26839), (319, 26845), (328, 26884), (338, 26944), (342, 26959), (349, 27001), (361, 27037), (362, 27040), (377, 27091), (379, 27100), (418, 27214), (452, 27325), (460, 27346),

Gene: Dorothy_30 Start: 26287, Stop: 27483, Start Num: 135

Candidate Starts for Dorothy_30:

(42, 26014), (43, 26017), (Start: 135 @26287 has 40 MA's), (156, 26371), (199, 26521), (218, 26575), (240, 26668), (248, 26716), (262, 26827), (266, 26848), (322, 27130), (325, 27151), (346, 27247), (359, 27292), (373, 27337), (380, 27361), (396, 27421),

Gene: DosHalletts_32 Start: 26602, Stop: 27903, Start Num: 68

Candidate Starts for DosHalletts_32:

(Start: 68 @26602 has 192 MA's), (104, 26722), (128, 26794), (154, 26911), (155, 26914), (178, 26992), (200, 27073), (272, 27124), (307, 27301), (318, 27343), (320, 27352), (345, 27490), (418, 27721), (432, 27763), (434, 27772), (451, 27829), (452, 27832),

Gene: DotProduct_30 Start: 26315, Stop: 27508, Start Num: 68

Candidate Starts for DotProduct_30:

(Start: 68 @26315 has 192 MA's), (91, 26399), (141, 26549), (151, 26603), (174, 26696), (187, 26744), (287, 26825), (318, 26951), (319, 26957), (320, 26960), (328, 26996), (342, 27071), (349, 27113), (361, 27149), (362, 27152), (363, 27167), (377, 27203), (379, 27212), (418, 27326), (432, 27368), (434, 27377), (451, 27434), (452, 27437),

Gene: Doug_31 Start: 26879, Stop: 28087, Start Num: 68

Candidate Starts for Doug_31:

(14, 26606), (17, 26609), (Start: 68 @26879 has 192 MA's), (91, 26963), (141, 27113), (151, 27167), (187, 27308), (287, 27386), (318, 27512), (319, 27518), (328, 27557), (338, 27617), (342, 27632), (349, 27674), (361, 27710), (362, 27713), (377, 27764), (379, 27773), (418, 27887), (452, 27998),

Gene: Douge_25 Start: 24093, Stop: 25265, Start Num: 61

Candidate Starts for Douge_25:

(Start: 61 @24093 has 30 MA's), (Start: 64 @24102 has 1 MA's), (165, 24468), (193, 24537), (287, 24618), (318, 24738), (345, 24885), (349, 24903), (361, 24939), (379, 25002), (399, 25068), (429, 25134), (430, 25137),

Gene: Doughnut_29 Start: 23220, Stop: 24878, Start Num: 95

Candidate Starts for Doughnut_29:

(Start: 95 @23220 has 4 MA's), (118, 23271), (119, 23274), (127, 23310), (138, 23346), (188, 23547), (197, 23577), (235, 23715), (249, 23787), (251, 23802), (261, 23868), (266, 23889), (280, 23991), (323, 24162), (330, 24198), (332, 24213), (346, 24276), (366, 24345), (377, 24378), (448, 24633), (481, 24783), (488, 24846),

Gene: Douzhi_25 Start: 24174, Stop: 25346, Start Num: 61

Candidate Starts for Douzhi_25:

(Start: 61 @24174 has 30 MA's), (Start: 64 @24183 has 1 MA's), (165, 24549), (193, 24618), (287, 24699), (318, 24819), (345, 24966), (349, 24984), (361, 25020), (379, 25083), (399, 25149), (429, 25215), (430, 25218),

Gene: DrPhinkDaddy_247 Start: 143765, Stop: 145195, Start Num: 112

Candidate Starts for DrPhinkDaddy_247:

(Start: 112 @143765 has 191 MA's), (138, 143855), (152, 143918), (185, 144041), (192, 144065), (219, 144149), (230, 144191), (241, 144233), (265, 144398), (266, 144401), (318, 144656), (326, 144695), (332, 144725), (346, 144788), (351, 144809), (352, 144818), (354, 144821), (365, 144854), (371, 144869), (408, 145004), (431, 145079), (443, 145136), (444, 145139),

Gene: Drago_31 Start: 26142, Stop: 27335, Start Num: 68

Candidate Starts for Drago_31:

(Start: 68 @26142 has 192 MA's), (91, 26226), (141, 26376), (151, 26430), (187, 26571), (287, 26652), (318, 26778), (319, 26784), (342, 26898), (349, 26940), (361, 26976), (363, 26994), (377, 27030), (379, 27039), (418, 27153), (432, 27195), (434, 27204), (451, 27261), (452, 27264),

Gene: Drazdys_247 Start: 143345, Stop: 144775, Start Num: 112

Candidate Starts for Drazdys_247:

(Start: 112 @143345 has 191 MA's), (138, 143435), (152, 143498), (185, 143621), (192, 143645), (219, 143729), (230, 143771), (241, 143813), (265, 143978), (266, 143981), (318, 144236), (326, 144275), (332, 144305), (346, 144368), (351, 144389), (352, 144398), (354, 144401), (365, 144434), (371, 144449), (408, 144584), (431, 144659), (443, 144716), (444, 144719),

Gene: Duckfeet_244 Start: 142142, Stop: 143572, Start Num: 112

Candidate Starts for Duckfeet_244:

(93, 142100), (Start: 112 @142142 has 191 MA's), (138, 142232), (152, 142295), (185, 142418), (192, 142442), (219, 142526), (230, 142568), (241, 142610), (265, 142775), (266, 142778), (318, 143033), (326, 143072), (332, 143102), (346, 143165), (351, 143186), (352, 143195), (354, 143198), (365, 143231), (371, 143246), (408, 143381), (431, 143456), (444, 143516),

Gene: Dulcita_36 Start: 29798, Stop: 31165, Start Num: 74

Candidate Starts for Dulcita_36:

(Start: 74 @29798 has 16 MA's), (89, 29855), (98, 29882), (105, 29897), (113, 29918), (114, 29921), (148, 30059), (153, 30083), (173, 30161), (176, 30167), (177, 30170), (195, 30245), (295, 30377), (304, 30404), (306, 30413), (323, 30467), (328, 30494), (333, 30524), (343, 30578), (359, 30650), (410, 30836), (445, 30956), (451, 30977), (457, 30995), (463, 31010), (471, 31040), (475, 31070), (478, 31106), (479, 31109), (485, 31145),

Gene: Dylan_66 Start: 42293, Stop: 43513, Start Num: 131

Candidate Starts for Dylan_66:

(Start: 131 @42293 has 32 MA's), (144, 42329), (156, 42380), (157, 42386), (158, 42389), (199, 42536), (218, 42590), (240, 42683), (248, 42731), (262, 42839), (266, 42860), (322, 43148), (346, 43265), (353, 43298), (359, 43310), (373, 43361), (380, 43385), (396, 43445), (411, 43490),

Gene: DyoEdafos_26 Start: 24309, Stop: 25472, Start Num: 64

Candidate Starts for DyoEdafos_26:

(Start: 61 @24300 has 30 MA's), (Start: 64 @24309 has 1 MA's), (107, 24444), (129, 24510), (134, 24540), (137, 24549), (165, 24672), (193, 24744), (287, 24825), (290, 24834), (318, 24945), (320, 24954), (323, 24963), (345, 25092), (362, 25149), (379, 25209), (384, 25236), (399, 25275), (404, 25287), (429, 25341), (430, 25344),

Gene: ET08_236 Start: 141669, Stop: 143099, Start Num: 112

Candidate Starts for ET08_236:

(93, 141627), (Start: 112 @141669 has 191 MA's), (138, 141759), (152, 141822), (185, 141945), (192, 141969), (219, 142053), (230, 142095), (241, 142137), (265, 142302), (266, 142305), (318, 142560), (326, 142599), (332, 142629), (346, 142692), (351, 142713), (352, 142722), (354, 142725), (365, 142758), (371, 142773), (408, 142908), (431, 142983), (444, 143043),

Gene: EasyJones_251 Start: 141721, Stop: 143151, Start Num: 112

Candidate Starts for EasyJones_251:

(Start: 112 @141721 has 191 MA's), (138, 141811), (152, 141874), (185, 141997), (192, 142021), (219, 142105), (230, 142147), (241, 142189), (265, 142354), (266, 142357), (318, 142612), (326, 142651), (332, 142681), (346, 142744), (351, 142765), (352, 142774), (354, 142777), (365, 142810), (371, 142825), (408, 142960), (431, 143035), (443, 143092), (444, 143095),

Gene: EggyFarm_258 Start: 144560, Stop: 145990, Start Num: 112

Candidate Starts for EggyFarm_258:

(Start: 112 @144560 has 191 MA's), (138, 144650), (152, 144713), (185, 144836), (192, 144860), (219, 144944), (230, 144986), (241, 145028), (265, 145193), (266, 145196), (318, 145451), (326, 145490), (332, 145520), (346, 145583), (351, 145604), (352, 145613), (354, 145616), (365, 145649), (371, 145664), (408, 145799), (431, 145874), (443, 145931), (444, 145934),

Gene: Eish_30 Start: 26467, Stop: 27633, Start Num: 68

Candidate Starts for Eish_30:

(14, 26194), (17, 26197), (Start: 68 @26467 has 192 MA's), (91, 26551), (141, 26701), (151, 26755), (187, 26896), (287, 26977), (318, 27103), (319, 27109), (328, 27148), (338, 27208), (342, 27223),

(349, 27265), (361, 27301), (362, 27304), (377, 27355), (379, 27364), (418, 27478),

Gene: EleanorGeorge_30 Start: 26637, Stop: 27908, Start Num: 100

Candidate Starts for EleanorGeorge_30:

(28, 26364), (30, 26367), (Start: 100 @26637 has 18 MA's), (142, 26754), (196, 26943), (198, 26946), (220, 27024), (239, 27105), (248, 27156), (252, 27195), (256, 27219), (266, 27282), (267, 27285), (280, 27390), (288, 27411), (301, 27474), (308, 27504), (322, 27561), (346, 27678), (353, 27711),

Gene: EmToTheThree_251 Start: 143553, Stop: 144983, Start Num: 112

Candidate Starts for EmToTheThree_251:

(Start: 112 @143553 has 191 MA's), (138, 143643), (152, 143706), (185, 143829), (192, 143853), (219, 143937), (230, 143979), (241, 144021), (265, 144186), (266, 144189), (318, 144444), (326, 144483), (332, 144513), (346, 144576), (351, 144597), (352, 144606), (354, 144609), (365, 144642), (371, 144657), (408, 144792), (431, 144867), (443, 144924), (444, 144927),

Gene: EmiMonkey_31 Start: 27860, Stop: 29131, Start Num: 68

Candidate Starts for EmiMonkey_31:

(Start: 68 @27860 has 192 MA's), (104, 27977), (128, 28049), (154, 28166), (155, 28169), (178, 28247), (200, 28328), (272, 28370), (286, 28448), (318, 28574), (338, 28679), (342, 28694), (349, 28736), (361, 28772), (362, 28775), (377, 28826), (379, 28835), (418, 28949), (432, 28991), (434, 29000), (451, 29057), (452, 29060),

Gene: Emma_32 Start: 26896, Stop: 28128, Start Num: 68

Candidate Starts for Emma_32:

(Start: 68 @26896 has 192 MA's), (104, 27013), (128, 27085), (154, 27202), (155, 27205), (178, 27283), (200, 27364), (272, 27406), (286, 27484), (318, 27610), (319, 27616), (320, 27619), (328, 27655), (342, 27730), (349, 27772), (362, 27811), (363, 27826), (377, 27862), (379, 27871), (418, 27985), (452, 28096), (462, 28117),

Gene: EmmaElysia_255 Start: 144216, Stop: 145646, Start Num: 112

Candidate Starts for EmmaElysia_255:

(Start: 112 @144216 has 191 MA's), (138, 144306), (152, 144369), (185, 144492), (192, 144516), (219, 144600), (230, 144642), (241, 144684), (265, 144849), (266, 144852), (318, 145107), (326, 145146), (332, 145176), (346, 145239), (351, 145260), (352, 145269), (354, 145272), (365, 145305), (371, 145320), (408, 145455), (431, 145530), (443, 145587), (444, 145590),

Gene: Emmaloid_32 Start: 27707, Stop: 28900, Start Num: 68

Candidate Starts for Emmaloid_32:

(Start: 68 @27707 has 192 MA's), (91, 27791), (141, 27941), (151, 27995), (187, 28136), (287, 28217), (318, 28343), (319, 28349), (320, 28352), (328, 28388), (342, 28463), (349, 28505), (361, 28541), (379, 28604), (418, 28718), (432, 28760), (434, 28769), (451, 28826), (452, 28829),

Gene: Empress_31 Start: 27662, Stop: 28933, Start Num: 68

Candidate Starts for Empress_31:

(Start: 68 @27662 has 192 MA's), (104, 27779), (128, 27851), (154, 27968), (155, 27971), (178, 28049), (200, 28130), (272, 28172), (286, 28250), (318, 28376), (319, 28382), (320, 28385), (342, 28496), (349, 28538), (362, 28577), (363, 28592), (377, 28628), (379, 28637), (418, 28751), (432, 28793), (451, 28859), (452, 28862),

Gene: Enby_31 Start: 26166, Stop: 27437, Start Num: 100

Candidate Starts for Enby_31:

(Start: 100 @26166 has 18 MA's), (142, 26283), (196, 26472), (198, 26475), (220, 26553), (239, 26634), (248, 26685), (252, 26724), (256, 26748), (266, 26811), (267, 26814), (280, 26919), (288,

26940), (301, 27003), (308, 27033), (322, 27090), (346, 27207), (353, 27240),

Gene: Enceladus_25 Start: 24359, Stop: 25531, Start Num: 61

Candidate Starts for Enceladus_25:

(54, 24329), (Start: 61 @24359 has 30 MA's), (194, 24806), (287, 24884), (296, 24929), (318, 25004), (328, 25049), (342, 25124), (345, 25151), (349, 25169), (361, 25205), (362, 25208), (379, 25268), (395, 25319), (399, 25334), (430, 25403), (436, 25427), (456, 25487),

Gene: Enzomatic_34 Start: 26505, Stop: 27698, Start Num: 68

Candidate Starts for Enzomatic_34:

(14, 26232), (21, 26253), (Start: 68 @26505 has 192 MA's), (91, 26589), (141, 26739), (151, 26793), (187, 26934), (287, 27015), (318, 27141), (319, 27147), (328, 27186), (338, 27246), (342, 27261), (349, 27303), (361, 27339), (362, 27342), (363, 27357), (377, 27393), (379, 27402), (418, 27516), (432, 27558), (434, 27567), (451, 27624), (452, 27627),

Gene: Epah_42 Start: 39523, Stop: 41259, Start Num: 79

Candidate Starts for Epah_42:

(Start: 79 @39523 has 31 MA's), (109, 39598), (115, 39616), (120, 39637), (125, 39652), (143, 39724), (165, 39817), (185, 39889), (192, 39913), (215, 40000), (217, 40015), (254, 40198), (265, 40279), (276, 40360), (280, 40384), (281, 40387), (292, 40429), (319, 40540), (322, 40549), (324, 40558), (339, 40654), (346, 40693), (367, 40762), (377, 40786), (383, 40813), (390, 40843), (414, 40921), (420, 40945), (425, 40963), (426, 40966), (433, 40990), (441, 41035), (466, 41119),

Gene: Eradicator_30 Start: 26355, Stop: 27626, Start Num: 68

Candidate Starts for Eradicator_30:

(Start: 68 @26355 has 192 MA's), (104, 26472), (128, 26544), (154, 26661), (155, 26664), (178, 26742), (200, 26823), (272, 26865), (286, 26943), (318, 27069), (319, 27075), (320, 27078), (342, 27189), (349, 27231), (362, 27270), (363, 27285), (377, 27321), (379, 27330), (418, 27444), (432, 27486), (434, 27495), (451, 27552), (452, 27555),

Gene: Erdmann_252 Start: 143521, Stop: 144951, Start Num: 112

Candidate Starts for Erdmann_252:

(Start: 112 @143521 has 191 MA's), (138, 143611), (152, 143674), (185, 143797), (192, 143821), (219, 143905), (230, 143947), (241, 143989), (265, 144154), (266, 144157), (318, 144412), (326, 144451), (332, 144481), (346, 144544), (351, 144565), (352, 144574), (354, 144577), (365, 144610), (371, 144625), (408, 144760), (431, 144835), (443, 144892), (444, 144895),

Gene: ErnieJ_244 Start: 140349, Stop: 141779, Start Num: 112

Candidate Starts for ErnieJ_244:

(Start: 112 @140349 has 191 MA's), (138, 140439), (152, 140502), (185, 140625), (192, 140649), (219, 140733), (230, 140775), (241, 140817), (265, 140982), (266, 140985), (318, 141240), (326, 141279), (332, 141309), (346, 141372), (351, 141393), (352, 141402), (354, 141405), (365, 141438), (371, 141453), (408, 141588), (431, 141663), (443, 141720), (444, 141723),

Gene: Essence_248 Start: 142557, Stop: 143987, Start Num: 112

Candidate Starts for Essence_248:

(Start: 112 @142557 has 191 MA's), (138, 142647), (152, 142710), (185, 142833), (192, 142857), (219, 142941), (230, 142983), (241, 143025), (265, 143190), (266, 143193), (318, 143448), (326, 143487), (332, 143517), (346, 143580), (351, 143601), (352, 143610), (354, 143613), (365, 143646), (371, 143661), (408, 143796), (431, 143871), (443, 143928), (444, 143931),

Gene: Estave1_28 Start: 25767, Stop: 27038, Start Num: 68

Candidate Starts for Estave1_28:

(Start: 68 @25767 has 192 MA's), (104, 25884), (128, 25956), (154, 26073), (155, 26076), (178, 26154), (200, 26235), (272, 26277), (286, 26355), (299, 26409), (318, 26481), (319, 26487), (320, 26490), (328, 26526), (342, 26601), (349, 26643), (361, 26679), (377, 26733), (379, 26742), (418, 26856), (432, 26898), (434, 26907), (451, 26964), (452, 26967),

Gene: Estes_41 Start: 31074, Stop: 32489, Start Num: 55

Candidate Starts for Estes_41:

(Start: 55 @31074 has 6 MA's), (69, 31128), (71, 31134), (78, 31164), (89, 31200), (148, 31401), (160, 31431), (163, 31449), (180, 31500), (182, 31515), (295, 31704), (304, 31731), (307, 31746), (328, 31821), (335, 31854), (343, 31905), (360, 31983), (410, 32160), (416, 32184), (418, 32187), (445, 32280), (451, 32301), (475, 32394), (484, 32457),

Gene: Ewok_249 Start: 143015, Stop: 144445, Start Num: 112

Candidate Starts for Ewok_249:

(Start: 112 @143015 has 191 MA's), (138, 143105), (152, 143168), (185, 143291), (192, 143315), (219, 143399), (230, 143441), (241, 143483), (265, 143648), (266, 143651), (318, 143906), (326, 143945), (332, 143975), (346, 144038), (351, 144059), (352, 144068), (354, 144071), (365, 144104), (371, 144119), (408, 144254), (431, 144329), (443, 144386), (444, 144389),

Gene: Familton_67 Start: 42203, Stop: 43423, Start Num: 131

Candidate Starts for Familton_67:

(82, 42050), (83, 42053), (87, 42065), (106, 42119), (108, 42122), (Start: 131 @42203 has 32 MA's), (144, 42239), (156, 42290), (157, 42296), (199, 42446), (218, 42500), (240, 42593), (248, 42641), (262, 42749), (266, 42770), (322, 43058), (346, 43175), (353, 43208), (359, 43220), (373, 43271), (380, 43295), (396, 43355), (411, 43400),

Gene: Fanaw_42 Start: 40220, Stop: 41956, Start Num: 79

Candidate Starts for Fanaw_42:

(Start: 79 @40220 has 31 MA's), (91, 40265), (109, 40295), (115, 40313), (120, 40334), (125, 40349), (143, 40421), (165, 40514), (185, 40586), (192, 40610), (215, 40697), (217, 40712), (255, 40901), (265, 40976), (276, 41057), (280, 41081), (281, 41084), (319, 41237), (322, 41246), (324, 41255), (339, 41351), (346, 41390), (367, 41459), (377, 41483), (383, 41510), (390, 41540), (414, 41618), (420, 41642), (425, 41660), (426, 41663), (433, 41687), (441, 41732), (466, 41816),

Gene: Fancypants_30 Start: 26335, Stop: 27528, Start Num: 68

Candidate Starts for Fancypants_30:

(21, 26083), (Start: 68 @26335 has 192 MA's), (91, 26419), (141, 26569), (151, 26623), (187, 26764), (287, 26845), (318, 26971), (319, 26977), (328, 27016), (333, 27046), (342, 27091), (349, 27133), (361, 27169), (362, 27172), (377, 27223), (379, 27232), (418, 27346), (432, 27388), (434, 27397), (451, 27454), (452, 27457),

Gene: FarmResident_25 Start: 24137, Stop: 25309, Start Num: 61

Candidate Starts for FarmResident_25:

(Start: 61 @24137 has 30 MA's), (Start: 64 @24146 has 1 MA's), (165, 24512), (193, 24581), (287, 24662), (318, 24782), (345, 24929), (349, 24947), (361, 24983), (379, 25046), (399, 25112), (429, 25178), (430, 25181),

Gene: Fastidio_32 Start: 26640, Stop: 27836, Start Num: 135

Candidate Starts for Fastidio_32:

(Start: 135 @26640 has 40 MA's), (156, 26724), (199, 26874), (218, 26928), (240, 27021), (248, 27069), (262, 27180), (266, 27201), (322, 27483), (325, 27504), (346, 27600), (359, 27645), (373, 27690), (380, 27714), (396, 27774),

Gene: FeliMaine_56 Start: 30945, Stop: 32324, Start Num: 75

Candidate Starts for FeliMaine_56:

(Start: 75 @30945 has 20 MA's), (103, 31002), (117, 31038), (122, 31062), (127, 31074), (161, 31197), (169, 31239), (190, 31311), (195, 31335), (199, 31341), (221, 31422), (242, 31491), (244, 31494), (248, 31530), (251, 31566), (262, 31638), (265, 31656), (266, 31659), (284, 31776), (291, 31806), (322, 31938), (325, 31959), (332, 31992), (345, 32046), (346, 32052), (380, 32172), (388, 32202), (394, 32223), (403, 32253),

Gene: Filuzino_30 Start: 26324, Stop: 27478, Start Num: 68

Candidate Starts for Filuzino_30:

(14, 26051), (17, 26054), (Start: 68 @26324 has 192 MA's), (91, 26408), (141, 26558), (151, 26612), (187, 26753), (287, 26834), (318, 26960), (319, 26966), (328, 27005), (338, 27065), (342, 27080), (349, 27122), (361, 27158), (362, 27161), (377, 27212), (379, 27221), (418, 27335), (452, 27446), (460, 27467),

Gene: Finemlucis_27 Start: 25356, Stop: 26525, Start Num: 61

Candidate Starts for Finemlucis_27:

(Start: 61 @25356 has 30 MA's), (90, 25464), (115, 25524), (137, 25608), (178, 25770), (193, 25797), (287, 25878), (318, 25998), (319, 26004), (345, 26145), (349, 26163), (361, 26199), (362, 26202), (379, 26262), (429, 26394), (430, 26397), (436, 26421),

Gene: Firecracker_67 Start: 42393, Stop: 43643, Start Num: 131

Candidate Starts for Firecracker_67:

(Start: 131 @42393 has 32 MA's), (144, 42429), (156, 42480), (157, 42486), (158, 42489), (199, 42636), (218, 42690), (240, 42783), (248, 42831), (262, 42939), (266, 42960), (322, 43248), (346, 43365), (353, 43398), (359, 43410), (373, 43461), (380, 43485), (396, 43545), (411, 43590),

Gene: Firehouse51_31 Start: 27046, Stop: 28314, Start Num: 100

Candidate Starts for Firehouse51_31:

(Start: 100 @27046 has 18 MA's), (142, 27163), (157, 27235), (196, 27352), (198, 27355), (220, 27433), (239, 27514), (248, 27565), (252, 27604), (256, 27628), (266, 27691), (267, 27694), (280, 27799), (288, 27820), (301, 27883), (308, 27913), (322, 27970), (346, 28087), (353, 28120),

Gene: Fixie_243 Start: 143786, Stop: 145216, Start Num: 112

Candidate Starts for Fixie_243:

(Start: 112 @143786 has 191 MA's), (138, 143876), (152, 143939), (185, 144062), (192, 144086), (219, 144170), (230, 144212), (241, 144254), (265, 144419), (266, 144422), (318, 144677), (326, 144716), (332, 144746), (346, 144809), (351, 144830), (352, 144839), (354, 144842), (365, 144875), (371, 144890), (408, 145025), (431, 145100), (443, 145157), (444, 145160),

Gene: Flabslab_245 Start: 139614, Stop: 141044, Start Num: 112

Candidate Starts for Flabslab_245:

(99, 139587), (Start: 112 @139614 has 191 MA's), (138, 139704), (152, 139767), (185, 139890), (192, 139914), (219, 139998), (230, 140040), (241, 140082), (265, 140247), (266, 140250), (318, 140505), (326, 140544), (332, 140574), (346, 140637), (351, 140658), (352, 140667), (354, 140670), (365, 140703), (371, 140718), (408, 140853), (431, 140928), (444, 140988),

Gene: Flathead_30 Start: 26362, Stop: 27528, Start Num: 68

Candidate Starts for Flathead_30:

(14, 26089), (17, 26092), (Start: 68 @26362 has 192 MA's), (91, 26446), (141, 26596), (151, 26650), (187, 26791), (287, 26872), (318, 26998), (319, 27004), (328, 27043), (338, 27103), (342, 27118), (349, 27160), (361, 27196), (362, 27199), (377, 27250), (379, 27259), (418, 27373), (452, 27484),

Gene: Florinda_30 Start: 26327, Stop: 27520, Start Num: 68

Candidate Starts for Florinda_30:

(Start: 68 @26327 has 192 MA's), (91, 26411), (141, 26561), (151, 26615), (187, 26756), (287, 26837), (318, 26963), (319, 26969), (320, 26972), (342, 27083), (349, 27125), (361, 27161), (363, 27179), (377, 27215), (379, 27224), (418, 27338), (432, 27380), (434, 27389), (451, 27446), (452, 27449),

Gene: Fludd_250 Start: 141433, Stop: 142863, Start Num: 112

Candidate Starts for Fludd_250:

(Start: 112 @141433 has 191 MA's), (138, 141523), (152, 141586), (185, 141709), (192, 141733), (219, 141817), (230, 141859), (241, 141901), (265, 142066), (266, 142069), (318, 142324), (326, 142363), (332, 142393), (346, 142456), (351, 142477), (352, 142486), (354, 142489), (365, 142522), (371, 142537), (408, 142672), (431, 142747), (443, 142804), (444, 142807),

Gene: Fongie_250 Start: 143013, Stop: 144443, Start Num: 112

Candidate Starts for Fongie_250:

(Start: 112 @143013 has 191 MA's), (138, 143103), (152, 143166), (185, 143289), (192, 143313), (219, 143397), (230, 143439), (241, 143481), (265, 143646), (266, 143649), (318, 143904), (326, 143943), (332, 143973), (346, 144036), (351, 144057), (352, 144066), (354, 144069), (365, 144102), (371, 144117), (408, 144252), (431, 144327), (443, 144384), (444, 144387),

Gene: Fortunato_44 Start: 40578, Stop: 42314, Start Num: 79

Candidate Starts for Fortunato_44:

(Start: 79 @40578 has 31 MA's), (109, 40653), (115, 40671), (120, 40692), (125, 40707), (143, 40779), (165, 40872), (185, 40944), (192, 40968), (215, 41055), (217, 41070), (254, 41253), (265, 41334), (276, 41415), (280, 41439), (281, 41442), (292, 41484), (319, 41595), (322, 41604), (324, 41613), (339, 41709), (346, 41748), (367, 41817), (377, 41841), (383, 41868), (390, 41898), (414, 41976), (420, 42000), (425, 42018), (426, 42021), (433, 42045), (441, 42090), (466, 42174),

Gene: FoulBall_66 Start: 42197, Stop: 43417, Start Num: 131

Candidate Starts for FoulBall_66:

(Start: 131 @42197 has 32 MA's), (144, 42233), (156, 42284), (157, 42290), (158, 42293), (199, 42440), (218, 42494), (240, 42587), (248, 42635), (262, 42743), (266, 42764), (322, 43052), (346, 43169), (353, 43202), (359, 43214), (373, 43265), (380, 43289), (396, 43349), (411, 43394),

Gene: FoxtrotP1_249 Start: 144107, Stop: 145537, Start Num: 112

Candidate Starts for FoxtrotP1_249:

(Start: 112 @144107 has 191 MA's), (138, 144197), (152, 144260), (185, 144383), (192, 144407), (219, 144491), (230, 144533), (241, 144575), (265, 144740), (266, 144743), (318, 144998), (326, 145037), (332, 145067), (346, 145130), (351, 145151), (352, 145160), (354, 145163), (365, 145196), (371, 145211), (408, 145346), (431, 145421), (443, 145478), (444, 145481),

Gene: Frankie_33 Start: 26909, Stop: 28665, Start Num: 52

Candidate Starts for Frankie_33:

(46, 26888), (Start: 52 @26909 has 2 MA's), (73, 26990), (81, 27029), (97, 27080), (115, 27122), (116, 27125), (128, 27170), (175, 27365), (179, 27374), (189, 27419), (208, 27497), (209, 27518), (214, 27563), (229, 27647), (243, 27704), (263, 27872), (278, 27992), (293, 28046), (315, 28133), (316, 28136), (317, 28139), (386, 28433), (406, 28487), (439, 28598),

Gene: FrayBell_253 Start: 141564, Stop: 142994, Start Num: 112

Candidate Starts for FrayBell_253:

(Start: 112 @141564 has 191 MA's), (138, 141654), (139, 141657), (152, 141717), (185, 141840), (192, 141864), (219, 141948), (230, 141990), (241, 142032), (265, 142197), (266, 142200), (318, 142455), (326, 142494), (332, 142524), (346, 142587), (351, 142608), (352, 142617), (354, 142620),

(365, 142653), (371, 142668), (408, 142803), (431, 142878), (443, 142935), (444, 142938),

Gene: FreakyGoo_36 Start: 29799, Stop: 31166, Start Num: 74

Candidate Starts for FreakyGoo_36:

(Start: 74 @29799 has 16 MA's), (89, 29856), (98, 29883), (114, 29922), (148, 30060), (153, 30084), (173, 30162), (176, 30168), (177, 30171), (195, 30246), (295, 30378), (304, 30405), (306, 30414), (323, 30468), (328, 30495), (333, 30525), (343, 30579), (359, 30651), (410, 30837), (445, 30957), (451, 30978), (457, 30996), (463, 31011), (471, 31041), (475, 31071), (478, 31107), (479, 31110), (485, 31146),

Gene: FreddyB_30 Start: 26513, Stop: 27784, Start Num: 68

Candidate Starts for FreddyB_30:

(Start: 68 @26513 has 192 MA's), (104, 26630), (128, 26702), (154, 26819), (155, 26822), (178, 26900), (200, 26981), (272, 27023), (286, 27101), (318, 27227), (338, 27332), (342, 27347), (349, 27389), (361, 27425), (362, 27428), (377, 27479), (379, 27488), (418, 27602), (432, 27644), (434, 27653), (451, 27710), (452, 27713),

Gene: Frederick_44 Start: 40560, Stop: 42290, Start Num: 79

Candidate Starts for Frederick_44:

(Start: 79 @40560 has 31 MA's), (109, 40635), (115, 40653), (120, 40674), (125, 40689), (143, 40761), (165, 40854), (185, 40914), (192, 40938), (215, 41025), (217, 41040), (254, 41223), (265, 41304), (276, 41385), (280, 41409), (281, 41412), (292, 41454), (319, 41565), (322, 41574), (324, 41583), (339, 41679), (346, 41718), (367, 41787), (377, 41811), (383, 41838), (390, 41868), (414, 41946), (420, 41970), (425, 41988), (426, 41991), (433, 42015), (441, 42060), (466, 42144),

Gene: Fruitloop_29 Start: 26518, Stop: 27672, Start Num: 68

Candidate Starts for Fruitloop_29:

(14, 26245), (17, 26248), (Start: 68 @26518 has 192 MA's), (91, 26602), (141, 26752), (151, 26806), (187, 26947), (287, 27028), (318, 27154), (319, 27160), (328, 27199), (338, 27259), (342, 27274), (349, 27316), (361, 27352), (362, 27355), (377, 27406), (379, 27415), (418, 27529), (452, 27640), (460, 27661),

Gene: FudgeTart_246 Start: 142611, Stop: 144041, Start Num: 112

Candidate Starts for FudgeTart_246:

(Start: 112 @142611 has 191 MA's), (138, 142701), (152, 142764), (185, 142887), (192, 142911), (219, 142995), (230, 143037), (241, 143079), (265, 143244), (266, 143247), (318, 143502), (326, 143541), (332, 143571), (346, 143634), (351, 143655), (352, 143664), (354, 143667), (365, 143700), (371, 143715), (408, 143850), (431, 143925), (443, 143982), (444, 143985),

Gene: GUmbie_30 Start: 26344, Stop: 27537, Start Num: 68

Candidate Starts for GUmbie_30:

(Start: 68 @26344 has 192 MA's), (91, 26428), (141, 26578), (151, 26632), (187, 26773), (287, 26854), (318, 26980), (319, 26986), (320, 26989), (328, 27025), (342, 27100), (349, 27142), (361, 27178), (379, 27241), (418, 27355), (432, 27397), (434, 27406), (451, 27463), (452, 27466),

Gene: Gabriel_253 Start: 141592, Stop: 143022, Start Num: 112

Candidate Starts for Gabriel_253:

(Start: 112 @141592 has 191 MA's), (138, 141682), (152, 141745), (185, 141868), (192, 141892), (219, 141976), (230, 142018), (241, 142060), (265, 142225), (266, 142228), (318, 142483), (326, 142522), (332, 142552), (346, 142615), (351, 142636), (352, 142645), (354, 142648), (365, 142681), (371, 142696), (408, 142831), (431, 142906), (443, 142963), (444, 142966),

Gene: Gabriela_27 Start: 25348, Stop: 26517, Start Num: 61

Candidate Starts for Gabriela_27:

(Start: 61 @25348 has 30 MA's), (115, 25516), (137, 25600), (151, 25660), (193, 25789), (287, 25870), (318, 25990), (319, 25996), (345, 26137), (349, 26155), (361, 26191), (379, 26254), (429, 26386), (430, 26389), (436, 26413),

Gene: Gadget_47 Start: 40269, Stop: 41546, Start Num: 45

Candidate Starts for Gadget_47:

(41, 40251), (Start: 45 @40269 has 11 MA's), (47, 40272), (Start: 50 @40281 has 16 MA's), (Start: 60 @40323 has 22 MA's), (Start: 66 @40344 has 1 MA's), (73, 40371), (76, 40386), (88, 40428), (Start: 110 @40479 has 1 MA's), (134, 40569), (141, 40584), (165, 40698), (194, 40800), (307, 40962), (318, 41007), (319, 41013), (320, 41016), (322, 41022), (328, 41052), (345, 41154), (361, 41211), (377, 41262), (384, 41298), (387, 41310), (395, 41343), (399, 41358), (453, 41508),

Gene: Galactic_31 Start: 26523, Stop: 27770, Start Num: 68

Candidate Starts for Galactic_31:

(Start: 68 @26523 has 192 MA's), (104, 26643), (128, 26715), (154, 26832), (155, 26835), (178, 26913), (200, 26994), (272, 27036), (286, 27114), (318, 27240), (319, 27246), (328, 27285), (338, 27345), (342, 27360), (349, 27402), (361, 27438), (362, 27441), (377, 27492), (379, 27501), (418, 27615), (432, 27657), (434, 27666), (452, 27726),

Gene: Gamgam_252 Start: 141949, Stop: 143379, Start Num: 112

Candidate Starts for Gamgam_252:

(Start: 112 @141949 has 191 MA's), (138, 142039), (152, 142102), (185, 142225), (192, 142249), (219, 142333), (230, 142375), (241, 142417), (265, 142582), (266, 142585), (318, 142840), (326, 142879), (332, 142909), (346, 142972), (351, 142993), (352, 143002), (354, 143005), (365, 143038), (371, 143053), (408, 143188), (431, 143263), (443, 143320), (444, 143323),

Gene: Gandolph_31 Start: 26586, Stop: 27860, Start Num: 68

Candidate Starts for Gandolph_31:

(Start: 68 @26586 has 192 MA's), (104, 26706), (154, 26895), (155, 26898), (178, 26976), (200, 27057), (272, 27099), (286, 27177), (318, 27303), (319, 27309), (328, 27348), (338, 27408), (342, 27423), (347, 27459), (349, 27465), (361, 27501), (363, 27519), (377, 27555), (379, 27564), (418, 27678), (432, 27720), (434, 27729), (451, 27786), (452, 27789),

Gene: GardenSalsa_40 Start: 30898, Stop: 32313, Start Num: 55

Candidate Starts for GardenSalsa_40:

(Start: 55 @30898 has 6 MA's), (69, 30952), (71, 30958), (78, 30988), (89, 31024), (148, 31225), (160, 31255), (163, 31273), (180, 31324), (182, 31339), (202, 31411), (204, 31417), (295, 31528), (304, 31555), (307, 31570), (328, 31645), (335, 31678), (343, 31729), (360, 31807), (410, 31984), (416, 32008), (418, 32011), (445, 32104), (451, 32125), (463, 32158), (475, 32218), (484, 32281),

Gene: Gattaca_53 Start: 30124, Stop: 31503, Start Num: 75

Candidate Starts for Gattaca_53:

(Start: 75 @30124 has 20 MA's), (103, 30181), (117, 30217), (122, 30241), (127, 30253), (161, 30376), (169, 30418), (190, 30490), (195, 30514), (199, 30520), (221, 30601), (242, 30670), (244, 30673), (248, 30709), (251, 30745), (262, 30817), (265, 30835), (266, 30838), (284, 30955), (291, 30985), (322, 31117), (325, 31138), (332, 31171), (345, 31225), (346, 31231), (380, 31351), (388, 31381), (394, 31402), (403, 31432),

Gene: GenevaB15_40 Start: 30943, Stop: 32358, Start Num: 55

Candidate Starts for GenevaB15_40:

(Start: 55 @30943 has 6 MA's), (69, 30997), (71, 31003), (78, 31033), (89, 31069), (148, 31270), (160, 31300), (163, 31318), (180, 31369), (182, 31384), (295, 31573), (304, 31600), (307, 31615), (328,

31690), (335, 31723), (343, 31774), (410, 32029), (416, 32053), (418, 32056), (445, 32149), (451, 32170), (463, 32203), (475, 32263), (484, 32326),

Gene: Geralt_30 Start: 26327, Stop: 27520, Start Num: 68

Candidate Starts for Geralt_30:

(21, 26075), (Start: 68 @26327 has 192 MA's), (91, 26411), (141, 26561), (151, 26615), (187, 26756), (287, 26837), (318, 26963), (328, 27008), (342, 27083), (349, 27125), (361, 27161), (362, 27164), (377, 27215), (379, 27224), (418, 27338), (432, 27380), (434, 27389), (451, 27446), (452, 27449),

Gene: Gervas_46 Start: 40290, Stop: 41513, Start Num: 60

Candidate Starts for Gervas_46:

(Start: 34 @40176 has 1 MA's), (35, 40179), (Start: 60 @40290 has 22 MA's), (Start: 66 @40311 has 1 MA's), (73, 40338), (76, 40353), (88, 40395), (Start: 110 @40446 has 1 MA's), (134, 40536), (141, 40551), (165, 40665), (194, 40767), (307, 40929), (318, 40974), (319, 40980), (320, 40983), (322, 40989), (328, 41019), (345, 41121), (361, 41178), (377, 41229), (384, 41265), (387, 41277), (395, 41310), (399, 41325), (453, 41475),

Gene: Ghost_250 Start: 142573, Stop: 144003, Start Num: 112

Candidate Starts for Ghost_250:

(Start: 112 @142573 has 191 MA's), (138, 142663), (152, 142726), (185, 142849), (192, 142873), (219, 142957), (230, 142999), (241, 143041), (265, 143206), (266, 143209), (318, 143464), (326, 143503), (332, 143533), (346, 143596), (351, 143617), (352, 143626), (354, 143629), (365, 143662), (371, 143677), (408, 143812), (431, 143887), (443, 143944), (444, 143947),

Gene: GigiOuiOui_30 Start: 26456, Stop: 27649, Start Num: 68

Candidate Starts for GigiOuiOui_30:

(Start: 68 @26456 has 192 MA's), (91, 26540), (141, 26690), (151, 26744), (187, 26885), (287, 26966), (318, 27092), (319, 27098), (320, 27101), (328, 27137), (342, 27212), (349, 27254), (361, 27290), (379, 27353), (418, 27467), (432, 27509), (434, 27518), (451, 27575), (452, 27578),

Gene: GinPorsche_43 Start: 39523, Stop: 41259, Start Num: 79

Candidate Starts for GinPorsche_43:

(Start: 79 @39523 has 31 MA's), (109, 39598), (115, 39616), (120, 39637), (125, 39652), (143, 39724), (165, 39817), (185, 39889), (192, 39913), (215, 40000), (217, 40015), (254, 40198), (265, 40279), (276, 40360), (280, 40384), (281, 40387), (292, 40429), (319, 40540), (322, 40549), (324, 40558), (339, 40654), (346, 40693), (367, 40762), (377, 40786), (383, 40813), (390, 40843), (414, 40921), (420, 40945), (425, 40963), (426, 40966), (433, 40990), (441, 41035), (466, 41119),

Gene: Girafales_31 Start: 26135, Stop: 27328, Start Num: 68

Candidate Starts for Girafales_31:

(Start: 68 @26135 has 192 MA's), (91, 26219), (141, 26369), (151, 26423), (187, 26564), (287, 26645), (318, 26771), (319, 26777), (320, 26780), (342, 26891), (349, 26933), (361, 26969), (363, 26987), (377, 27023), (379, 27032), (418, 27146), (432, 27188), (434, 27197), (451, 27254), (452, 27257),

Gene: Girr_31 Start: 26444, Stop: 27691, Start Num: 68

Candidate Starts for Girr_31:

(Start: 68 @26444 has 192 MA's), (104, 26564), (128, 26636), (154, 26753), (155, 26756), (178, 26834), (200, 26915), (272, 26957), (286, 27035), (318, 27161), (328, 27206), (338, 27266), (342, 27281), (349, 27323), (361, 27359), (377, 27413), (379, 27422), (418, 27536), (452, 27647),

Gene: Gizmo_256 Start: 145438, Stop: 146868, Start Num: 112

Candidate Starts for Gizmo_256:

(Start: 112 @145438 has 191 MA's), (138, 145528), (152, 145591), (185, 145714), (192, 145738), (219, 145822), (230, 145864), (241, 145906), (265, 146071), (266, 146074), (318, 146329), (326, 146368), (332, 146398), (346, 146461), (351, 146482), (352, 146491), (354, 146494), (365, 146527), (371, 146542), (408, 146677), (431, 146752), (443, 146809), (444, 146812),

Gene: Glaske16_36 Start: 29798, Stop: 31165, Start Num: 74

Candidate Starts for Glaske16_36:

(Start: 74 @29798 has 16 MA's), (89, 29855), (98, 29882), (105, 29897), (113, 29918), (114, 29921), (148, 30059), (153, 30083), (173, 30161), (176, 30167), (177, 30170), (195, 30245), (295, 30377), (304, 30404), (306, 30413), (323, 30467), (328, 30494), (333, 30524), (343, 30578), (359, 30650), (410, 30836), (445, 30956), (451, 30977), (457, 30995), (463, 31010), (471, 31040), (475, 31070), (478, 31106), (479, 31109), (485, 31145),

Gene: GlenHope_47 Start: 40249, Stop: 41526, Start Num: 45

Candidate Starts for GlenHope_47:

(41, 40231), (Start: 45 @40249 has 11 MA's), (47, 40252), (Start: 50 @40261 has 16 MA's), (Start: 60 @40303 has 22 MA's), (Start: 66 @40324 has 1 MA's), (73, 40351), (76, 40366), (88, 40408), (Start: 110 @40459 has 1 MA's), (134, 40549), (141, 40564), (165, 40678), (194, 40780), (307, 40942), (318, 40987), (319, 40993), (322, 41002), (328, 41032), (345, 41134), (361, 41191), (377, 41242), (384, 41278), (387, 41290), (395, 41323), (399, 41338), (453, 41488),

Gene: Glubnar_47 Start: 40302, Stop: 41525, Start Num: 60

Candidate Starts for Glubnar_47:

(41, 40230), (Start: 45 @40248 has 11 MA's), (47, 40251), (Start: 50 @40260 has 16 MA's), (Start: 60 @40302 has 22 MA's), (Start: 66 @40323 has 1 MA's), (73, 40350), (76, 40365), (88, 40407), (Start: 110 @40458 has 1 MA's), (134, 40548), (141, 40563), (165, 40677), (194, 40779), (307, 40941), (318, 40986), (319, 40992), (320, 40995), (322, 41001), (328, 41031), (345, 41133), (361, 41190), (377, 41241), (384, 41277), (387, 41289), (395, 41322), (399, 41337), (453, 41487),

Gene: GlutenPhree_251 Start: 141960, Stop: 143390, Start Num: 112

Candidate Starts for GlutenPhree_251:

(Start: 112 @141960 has 191 MA's), (138, 142050), (152, 142113), (185, 142236), (192, 142260), (219, 142344), (230, 142386), (241, 142428), (265, 142593), (266, 142596), (318, 142851), (326, 142890), (332, 142920), (346, 142983), (351, 143004), (352, 143013), (354, 143016), (365, 143049), (371, 143064), (408, 143199), (431, 143274), (443, 143331), (444, 143334),

Gene: GoldenSnow_249 Start: 143110, Stop: 144540, Start Num: 112

Candidate Starts for GoldenSnow_249:

(Start: 112 @143110 has 191 MA's), (138, 143200), (152, 143263), (185, 143386), (192, 143410), (219, 143494), (230, 143536), (241, 143578), (265, 143743), (266, 143746), (318, 144001), (326, 144040), (332, 144070), (346, 144133), (351, 144154), (352, 144163), (354, 144166), (365, 144199), (371, 144214), (408, 144349), (431, 144424), (443, 144481), (444, 144484),

Gene: GoongGoong_53 Start: 29923, Stop: 31302, Start Num: 75

Candidate Starts for GoongGoong_53:

(Start: 75 @29923 has 20 MA's), (103, 29980), (117, 30016), (122, 30040), (127, 30052), (161, 30175), (169, 30217), (190, 30289), (195, 30313), (199, 30319), (221, 30400), (242, 30469), (244, 30472), (248, 30508), (251, 30544), (262, 30616), (265, 30634), (266, 30637), (284, 30754), (291, 30784), (322, 30916), (325, 30937), (332, 30970), (345, 31024), (346, 31030), (380, 31150), (388, 31180), (394, 31201), (403, 31231),

Gene: Gorge_30 Start: 26480, Stop: 27751, Start Num: 68

Candidate Starts for Gorge_30:

(Start: 68 @26480 has 192 MA's), (104, 26597), (128, 26669), (154, 26786), (155, 26789), (178, 26867), (200, 26948), (272, 26990), (286, 27068), (318, 27194), (338, 27299), (342, 27314), (349, 27356), (361, 27392), (362, 27395), (377, 27446), (379, 27455), (418, 27569), (432, 27611), (434, 27620), (451, 27677), (452, 27680),

Gene: Grasshills_257 Start: 144559, Stop: 145989, Start Num: 112

Candidate Starts for Grasshills_257:

(Start: 112 @144559 has 191 MA's), (138, 144649), (152, 144712), (185, 144835), (192, 144859), (219, 144943), (230, 144985), (241, 145027), (265, 145192), (266, 145195), (318, 145450), (326, 145489), (332, 145519), (346, 145582), (351, 145603), (352, 145612), (354, 145615), (365, 145648), (371, 145663), (408, 145798), (431, 145873), (443, 145930), (444, 145933),

Gene: Grimmer_32 Start: 27049, Stop: 28242, Start Num: 68

Candidate Starts for Grimmer_32:

(Start: 68 @27049 has 192 MA's), (91, 27133), (141, 27283), (151, 27337), (187, 27478), (287, 27559), (318, 27685), (319, 27691), (320, 27694), (328, 27730), (342, 27805), (349, 27847), (361, 27883), (377, 27937), (379, 27946), (418, 28060), (432, 28102), (434, 28111), (451, 28168), (452, 28171),

Gene: Grungle_232 Start: 139838, Stop: 141268, Start Num: 112

Candidate Starts for Grungle_232:

(Start: 112 @139838 has 191 MA's), (138, 139928), (152, 139991), (185, 140114), (192, 140138), (219, 140222), (230, 140264), (241, 140306), (265, 140471), (266, 140474), (318, 140729), (326, 140768), (332, 140798), (346, 140861), (351, 140882), (352, 140891), (354, 140894), (365, 140927), (371, 140942), (408, 141077), (431, 141152), (443, 141209), (444, 141212),

Gene: Guppsters_32 Start: 26753, Stop: 28045, Start Num: 68

Candidate Starts for Guppsters_32:

(Start: 68 @26753 has 192 MA's), (104, 26873), (128, 26945), (154, 27062), (155, 27065), (168, 27119), (178, 27143), (200, 27224), (272, 27266), (286, 27344), (318, 27470), (319, 27476), (328, 27515), (338, 27575), (342, 27590), (349, 27632), (362, 27671), (363, 27686), (377, 27722), (379, 27731), (418, 27845), (452, 27956),

Gene: Guwapp_246 Start: 141407, Stop: 142837, Start Num: 112

Candidate Starts for Guwapp_246:

(Start: 112 @141407 has 191 MA's), (138, 141497), (139, 141500), (152, 141560), (185, 141683), (192, 141707), (219, 141791), (230, 141833), (241, 141875), (265, 142040), (266, 142043), (318, 142298), (326, 142337), (332, 142367), (346, 142430), (351, 142451), (352, 142460), (354, 142463), (365, 142496), (371, 142511), (408, 142646), (431, 142721), (443, 142778), (444, 142781),

Gene: Hades_31 Start: 26579, Stop: 27853, Start Num: 68

Candidate Starts for Hades_31:

(4, 26147), (5, 26150), (18, 26303), (Start: 68 @26579 has 192 MA's), (104, 26699), (128, 26771), (154, 26888), (155, 26891), (178, 26969), (200, 27050), (272, 27092), (286, 27170), (318, 27296), (319, 27302), (320, 27305), (342, 27416), (349, 27458), (361, 27494), (363, 27512), (377, 27548), (379, 27557), (418, 27671), (432, 27713), (434, 27722), (451, 27779), (452, 27782),

Gene: Halena_25 Start: 24386, Stop: 25558, Start Num: 61

Candidate Starts for Halena_25:

(54, 24356), (Start: 61 @24386 has 30 MA's), (194, 24833), (287, 24911), (296, 24956), (318, 25031), (328, 25076), (342, 25151), (345, 25178), (349, 25196), (361, 25232), (362, 25235), (379, 25295), (395, 25346), (399, 25361), (430, 25430), (436, 25454), (456, 25514),

Gene: Halfpint_45 Start: 40128, Stop: 41351, Start Num: 60

Candidate Starts for Halfpint_45:

(7, 39747), (9, 39768), (11, 39786), (12, 39792), (19, 39879), (24, 39927), (26, 39942), (31, 40002), (32, 40005), (Start: 36 @40023 has 1 MA's), (37, 40026), (Start: 60 @40128 has 22 MA's), (Start: 66 @40149 has 1 MA's), (73, 40176), (76, 40191), (88, 40233), (Start: 110 @40284 has 1 MA's), (134, 40374), (141, 40389), (165, 40503), (194, 40605), (307, 40767), (318, 40812), (319, 40818), (320, 40821), (322, 40827), (328, 40857), (345, 40959), (361, 41016), (377, 41067), (384, 41103), (387, 41115), (395, 41148), (399, 41163), (453, 41313),

Gene: Halldule_242 Start: 141020, Stop: 142450, Start Num: 112

Candidate Starts for Halldule_242:

(Start: 112 @141020 has 191 MA's), (138, 141110), (152, 141173), (185, 141296), (192, 141320), (219, 141404), (230, 141446), (241, 141488), (265, 141653), (266, 141656), (318, 141911), (326, 141950), (332, 141980), (346, 142043), (351, 142064), (352, 142073), (354, 142076), (365, 142109), (371, 142124), (408, 142259), (431, 142334), (443, 142391), (444, 142394),

Gene: Hally898_42 Start: 39535, Stop: 41271, Start Num: 79

Candidate Starts for Hally898_42:

(Start: 79 @39535 has 31 MA's), (109, 39610), (115, 39628), (120, 39649), (125, 39664), (143, 39736), (165, 39829), (185, 39901), (192, 39925), (215, 40012), (217, 40027), (254, 40210), (265, 40291), (276, 40372), (280, 40396), (281, 40399), (292, 40441), (319, 40552), (322, 40561), (324, 40570), (339, 40666), (346, 40705), (367, 40774), (377, 40798), (383, 40825), (390, 40855), (414, 40933), (420, 40957), (425, 40975), (426, 40978), (433, 41002), (441, 41047), (466, 41131),

Gene: Hamulus_30 Start: 26480, Stop: 27646, Start Num: 68

Candidate Starts for Hamulus_30:

(8, 26087), (Start: 68 @26480 has 192 MA's), (91, 26564), (141, 26714), (151, 26768), (187, 26909), (287, 26990), (318, 27116), (319, 27122), (320, 27125), (328, 27161), (333, 27191), (342, 27236), (349, 27278), (361, 27314), (362, 27317), (377, 27368), (379, 27377), (418, 27491), (452, 27602),

Gene: Hangman_43 Start: 40576, Stop: 42312, Start Num: 79

Candidate Starts for Hangman_43:

(Start: 79 @40576 has 31 MA's), (109, 40651), (115, 40669), (120, 40690), (125, 40705), (143, 40777), (165, 40870), (185, 40942), (192, 40966), (215, 41053), (217, 41068), (255, 41257), (265, 41332), (276, 41413), (280, 41437), (281, 41440), (292, 41482), (319, 41593), (322, 41602), (324, 41611), (339, 41707), (346, 41746), (367, 41815), (377, 41839), (383, 41866), (390, 41896), (414, 41974), (420, 41998), (425, 42016), (426, 42019), (433, 42043), (441, 42088), (466, 42172),

Gene: Harley_30 Start: 26264, Stop: 27457, Start Num: 68

Candidate Starts for Harley_30:

(Start: 68 @26264 has 192 MA's), (91, 26348), (141, 26498), (151, 26552), (187, 26693), (287, 26774), (318, 26900), (319, 26906), (328, 26945), (342, 27020), (349, 27062), (361, 27098), (362, 27101), (377, 27152), (379, 27161), (418, 27275), (432, 27317), (434, 27326), (451, 27383), (452, 27386),

Gene: HarveySr_46 Start: 40242, Stop: 41519, Start Num: 45

Candidate Starts for HarveySr_46:

(41, 40224), (Start: 45 @40242 has 11 MA's), (47, 40245), (Start: 50 @40254 has 16 MA's), (Start: 60 @40296 has 22 MA's), (Start: 66 @40317 has 1 MA's), (73, 40344), (76, 40359), (88, 40401), (Start: 110 @40452 has 1 MA's), (134, 40542), (141, 40557), (165, 40671), (194, 40773), (307, 40935), (318, 40980), (319, 40986), (320, 40989), (322, 40995), (328, 41025), (345, 41127), (361, 41184), (377, 41235), (384, 41271), (387, 41283), (395, 41316), (399, 41331), (453, 41481),

Gene: Heath_42 Start: 40183, Stop: 41907, Start Num: 79

Candidate Starts for Heath_42:

(Start: 79 @40183 has 31 MA's), (109, 40258), (115, 40276), (120, 40297), (125, 40312), (143, 40384), (165, 40477), (185, 40537), (192, 40561), (215, 40648), (217, 40663), (265, 40927), (276, 41008), (280, 41032), (281, 41035), (292, 41077), (319, 41188), (322, 41197), (324, 41206), (339, 41302), (346, 41341), (367, 41410), (377, 41434), (383, 41461), (390, 41491), (414, 41569), (420, 41593), (425, 41611), (426, 41614), (433, 41638), (441, 41683), (466, 41767),

Gene: Heathcliff_46 Start: 40232, Stop: 41497, Start Num: 50

Candidate Starts for Heathcliff_46:

(41, 40202), (Start: 45 @40220 has 11 MA's), (47, 40223), (Start: 50 @40232 has 16 MA's), (Start: 60 @40274 has 22 MA's), (Start: 66 @40295 has 1 MA's), (73, 40322), (76, 40337), (88, 40379), (Start: 110 @40430 has 1 MA's), (134, 40520), (141, 40535), (165, 40649), (194, 40751), (307, 40913), (318, 40958), (319, 40964), (320, 40967), (322, 40973), (328, 41003), (345, 41105), (361, 41162), (377, 41213), (384, 41249), (387, 41261), (395, 41294), (399, 41309), (453, 41459),

Gene: Hegedechwinu_31 Start: 26345, Stop: 27553, Start Num: 68

Candidate Starts for Hegedechwinu_31:

(Start: 68 @26345 has 192 MA's), (91, 26429), (141, 26579), (151, 26633), (187, 26774), (287, 26852), (318, 26978), (319, 26984), (328, 27023), (338, 27083), (342, 27098), (349, 27140), (361, 27176), (362, 27179), (377, 27230), (379, 27239), (418, 27353), (452, 27464),

Gene: Hlubikazi_30 Start: 26587, Stop: 27753, Start Num: 68

Candidate Starts for Hlubikazi_30:

(14, 26314), (17, 26317), (Start: 68 @26587 has 192 MA's), (91, 26671), (141, 26821), (151, 26875), (187, 27016), (287, 27097), (318, 27223), (319, 27229), (328, 27268), (342, 27343), (349, 27385), (361, 27421), (363, 27439), (377, 27475), (379, 27484), (418, 27598),

Gene: Huphlepuuff_56 Start: 30508, Stop: 31887, Start Num: 75

Candidate Starts for Huphlepuuff_56:

(Start: 75 @30508 has 20 MA's), (103, 30565), (117, 30601), (122, 30625), (127, 30637), (161, 30760), (169, 30802), (190, 30874), (195, 30898), (199, 30904), (221, 30985), (242, 31054), (244, 31057), (248, 31093), (251, 31129), (262, 31201), (265, 31219), (266, 31222), (284, 31339), (291, 31369), (322, 31501), (325, 31522), (332, 31555), (345, 31609), (346, 31615), (380, 31735), (388, 31765), (394, 31786), (403, 31816),

Gene: HyRo_235 Start: 141924, Stop: 143354, Start Num: 112

Candidate Starts for HyRo_235:

(Start: 112 @141924 has 191 MA's), (138, 142014), (152, 142077), (185, 142200), (192, 142224), (219, 142308), (230, 142350), (241, 142392), (265, 142557), (266, 142560), (318, 142815), (326, 142854), (332, 142884), (346, 142947), (351, 142968), (352, 142977), (354, 142980), (365, 143013), (371, 143028), (408, 143163), (431, 143238), (444, 143298),

Gene: Hydro_43 Start: 40593, Stop: 42329, Start Num: 79

Candidate Starts for Hydro_43:

(Start: 79 @40593 has 31 MA's), (109, 40668), (115, 40686), (120, 40707), (125, 40722), (143, 40794), (165, 40887), (185, 40959), (192, 40983), (215, 41070), (217, 41085), (255, 41274), (265, 41349), (276, 41430), (280, 41454), (281, 41457), (319, 41610), (322, 41619), (324, 41628), (339, 41724), (346, 41763), (367, 41832), (377, 41856), (383, 41883), (390, 41913), (414, 41991), (420, 42015), (425, 42033), (426, 42036), (441, 42105), (466, 42189),

Gene: I3_260 Start: 143715, Stop: 145145, Start Num: 112

Candidate Starts for I3_260:

(Start: 112 @143715 has 191 MA's), (138, 143805), (152, 143868), (185, 143991), (192, 144015), (219, 144099), (230, 144141), (241, 144183), (265, 144348), (266, 144351), (318, 144606), (326,

144645), (332, 144675), (346, 144738), (351, 144759), (352, 144768), (354, 144771), (365, 144804), (371, 144819), (408, 144954), (431, 145029), (443, 145086), (444, 145089),

Gene: IMpilo_29 Start: 26117, Stop: 27328, Start Num: 135

Candidate Starts for IMpilo_29:

(Start: 135 @26117 has 40 MA's), (158, 26213), (164, 26237), (191, 26330), (192, 26333), (212, 26378), (238, 26507), (248, 26558), (262, 26669), (266, 26690), (322, 26972), (325, 26993), (346, 27089), (359, 27134), (373, 27182), (398, 27272),

Gene: IPhane7_35 Start: 29799, Stop: 31166, Start Num: 74

Candidate Starts for IPhane7_35:

(Start: 74 @29799 has 16 MA's), (89, 29856), (98, 29883), (114, 29922), (148, 30060), (153, 30084), (173, 30162), (176, 30168), (177, 30171), (195, 30246), (295, 30378), (304, 30405), (306, 30414), (323, 30468), (328, 30495), (333, 30525), (343, 30579), (359, 30651), (410, 30837), (445, 30957), (451, 30978), (457, 30996), (463, 31011), (471, 31041), (475, 31071), (478, 31107), (479, 31110), (485, 31146),

Gene: IbOuu_31 Start: 26343, Stop: 27509, Start Num: 68

Candidate Starts for IbOuu_31:

(Start: 68 @26343 has 192 MA's), (91, 26427), (141, 26577), (151, 26631), (187, 26772), (287, 26853), (318, 26979), (319, 26985), (328, 27024), (338, 27084), (342, 27099), (349, 27141), (361, 27177), (362, 27180), (363, 27195), (377, 27231), (379, 27240), (418, 27354), (452, 27465),

Gene: Ibhubesi_30 Start: 26271, Stop: 27464, Start Num: 68

Candidate Starts for Ibhubesi_30:

(Start: 68 @26271 has 192 MA's), (91, 26355), (141, 26505), (151, 26559), (187, 26700), (287, 26781), (318, 26907), (319, 26913), (328, 26952), (342, 27027), (349, 27069), (361, 27105), (362, 27108), (377, 27159), (379, 27168), (418, 27282), (432, 27324), (434, 27333), (451, 27390), (452, 27393),

Gene: Idergollasper_66 Start: 42197, Stop: 43417, Start Num: 131

Candidate Starts for Idergollasper_66:

(Start: 131 @42197 has 32 MA's), (144, 42233), (156, 42284), (157, 42290), (199, 42440), (218, 42494), (240, 42587), (248, 42635), (262, 42743), (266, 42764), (322, 43052), (346, 43169), (353, 43202), (359, 43214), (373, 43265), (380, 43289), (396, 43349), (411, 43394),

Gene: IkeLoa_244 Start: 142305, Stop: 143735, Start Num: 112

Candidate Starts for IkeLoa_244:

(Start: 112 @142305 has 191 MA's), (138, 142395), (139, 142398), (152, 142458), (185, 142581), (192, 142605), (219, 142689), (230, 142731), (241, 142773), (265, 142938), (266, 142941), (318, 143196), (326, 143235), (332, 143265), (346, 143328), (351, 143349), (352, 143358), (354, 143361), (365, 143394), (371, 143409), (408, 143544), (431, 143619), (443, 143676), (444, 143679),

Gene: Imara_66 Start: 41997, Stop: 43217, Start Num: 131

Candidate Starts for Imara_66:

(Start: 131 @41997 has 32 MA's), (144, 42033), (156, 42084), (157, 42090), (199, 42240), (218, 42294), (222, 42321), (240, 42387), (248, 42435), (262, 42543), (266, 42564), (322, 42852), (346, 42969), (353, 43002), (359, 43014), (373, 43065), (380, 43089), (396, 43149), (411, 43194),

Gene: Indlovu_45 Start: 39904, Stop: 41499, Start Num: 102

Candidate Starts for Indlovu_45:

(81, 39856), (Start: 102 @39904 has 1 MA's), (133, 40009), (138, 40021), (170, 40162), (183, 40201), (185, 40213), (205, 40288), (251, 40504), (254, 40522), (265, 40588), (276, 40669), (280, 40693), (319, 40837), (322, 40846), (346, 40987), (367, 41074), (378, 41107), (383, 41134), (402, 41200),

(426, 41284),

Gene: InigoMontoya_254 Start: 142623, Stop: 144053, Start Num: 112

Candidate Starts for InigoMontoya_254:

(Start: 112 @142623 has 191 MA's), (138, 142713), (152, 142776), (185, 142899), (192, 142923), (219, 143007), (230, 143049), (241, 143091), (265, 143256), (266, 143259), (318, 143514), (326, 143553), (332, 143583), (346, 143646), (351, 143667), (352, 143676), (354, 143679), (365, 143712), (371, 143727), (408, 143862), (431, 143937), (443, 143994), (444, 143997),

Gene: InterFolia_252 Start: 143369, Stop: 144799, Start Num: 112

Candidate Starts for InterFolia_252:

(Start: 112 @143369 has 191 MA's), (138, 143459), (139, 143462), (152, 143522), (185, 143645), (192, 143669), (219, 143753), (230, 143795), (241, 143837), (265, 144002), (266, 144005), (318, 144260), (326, 144299), (332, 144329), (346, 144392), (351, 144413), (352, 144422), (354, 144425), (365, 144458), (371, 144473), (408, 144608), (431, 144683), (443, 144740), (444, 144743),

Gene: Inventum_30 Start: 26444, Stop: 27607, Start Num: 68

Candidate Starts for Inventum_30:

(Start: 68 @26444 has 192 MA's), (91, 26528), (141, 26678), (151, 26732), (187, 26873), (287, 26951), (318, 27077), (319, 27083), (328, 27122), (338, 27182), (342, 27197), (349, 27239), (361, 27275), (362, 27278), (377, 27329), (379, 27338), (418, 27452),

Gene: Iota_247 Start: 142335, Stop: 143765, Start Num: 112

Candidate Starts for Iota_247:

(Start: 112 @142335 has 191 MA's), (138, 142425), (152, 142488), (185, 142611), (192, 142635), (219, 142719), (230, 142761), (241, 142803), (265, 142968), (266, 142971), (318, 143226), (326, 143265), (332, 143295), (346, 143358), (351, 143379), (352, 143388), (354, 143391), (365, 143424), (371, 143439), (408, 143574), (431, 143649), (443, 143706), (444, 143709),

Gene: IrishSherpFalk_32 Start: 27838, Stop: 29112, Start Num: 68

Candidate Starts for IrishSherpFalk_32:

(Start: 68 @27838 has 192 MA's), (104, 27958), (154, 28147), (155, 28150), (178, 28228), (200, 28309), (272, 28351), (286, 28429), (318, 28555), (319, 28561), (338, 28660), (342, 28675), (349, 28717), (361, 28753), (363, 28771), (377, 28807), (379, 28816), (418, 28930), (432, 28972), (434, 28981), (451, 29038), (452, 29041),

Gene: Issimir_244 Start: 142710, Stop: 144140, Start Num: 112

Candidate Starts for Issimir_244:

(Start: 112 @142710 has 191 MA's), (138, 142800), (152, 142863), (185, 142986), (192, 143010), (219, 143094), (230, 143136), (241, 143178), (265, 143343), (266, 143346), (318, 143601), (326, 143640), (332, 143670), (346, 143733), (351, 143754), (352, 143763), (354, 143766), (365, 143799), (371, 143814), (408, 143949), (431, 144024), (444, 144084),

Gene: Izajani_246 Start: 143155, Stop: 144585, Start Num: 112

Candidate Starts for Izajani_246:

(Start: 112 @143155 has 191 MA's), (138, 143245), (152, 143308), (185, 143431), (192, 143455), (219, 143539), (230, 143581), (241, 143623), (265, 143788), (266, 143791), (318, 144046), (326, 144085), (332, 144115), (346, 144178), (351, 144199), (352, 144208), (354, 144211), (365, 144244), (371, 144259), (408, 144394), (431, 144469), (443, 144526), (444, 144529),

Gene: Izel_36 Start: 29798, Stop: 31165, Start Num: 74

Candidate Starts for Izel_36:

(Start: 74 @29798 has 16 MA's), (89, 29855), (98, 29882), (105, 29897), (113, 29918), (114, 29921), (148, 30059), (153, 30083), (173, 30161), (176, 30167), (177, 30170), (195, 30245), (295, 30377), (304, 30404), (306, 30413), (323, 30467), (328, 30494), (333, 30524), (343, 30578), (359, 30650), (410, 30836), (445, 30956), (451, 30977), (457, 30995), (463, 31010), (471, 31040), (475, 31070), (478, 31106), (479, 31109), (485, 31145),

Gene: JAMaL_43 Start: 40735, Stop: 42471, Start Num: 79

Candidate Starts for JAMaL_43:

(Start: 79 @40735 has 31 MA's), (109, 40810), (115, 40828), (120, 40849), (125, 40864), (143, 40936), (165, 41029), (185, 41101), (192, 41125), (217, 41227), (255, 41416), (265, 41491), (276, 41572), (280, 41596), (281, 41599), (292, 41641), (319, 41752), (322, 41761), (324, 41770), (339, 41866), (346, 41905), (367, 41974), (377, 41998), (383, 42025), (390, 42055), (414, 42133), (420, 42157), (425, 42175), (426, 42178), (433, 42202), (441, 42247), (466, 42331),

Gene: JPickles_248 Start: 141760, Stop: 143190, Start Num: 112

Candidate Starts for JPickles_248:

(Start: 112 @141760 has 191 MA's), (138, 141850), (152, 141913), (185, 142036), (192, 142060), (219, 142144), (230, 142186), (241, 142228), (265, 142393), (266, 142396), (318, 142651), (326, 142690), (332, 142720), (346, 142783), (351, 142804), (352, 142813), (354, 142816), (365, 142849), (371, 142864), (408, 142999), (431, 143074), (443, 143131), (444, 143134),

Gene: Jabbawokkie_38 Start: 26902, Stop: 28200, Start Num: 100

Candidate Starts for Jabbawokkie_38:

(Start: 100 @26902 has 18 MA's), (124, 26974), (142, 27022), (144, 27040), (157, 27094), (196, 27211), (198, 27214), (227, 27316), (239, 27373), (248, 27427), (256, 27490), (266, 27553), (267, 27556), (284, 27670), (288, 27682), (301, 27745), (322, 27841), (346, 27958), (353, 27991), (359, 28003), (389, 28108), (398, 28141), (411, 28180),

Gene: Jackstina_43 Start: 40179, Stop: 41456, Start Num: 45

Candidate Starts for Jackstina_43:

(41, 40161), (Start: 45 @40179 has 11 MA's), (47, 40182), (Start: 50 @40191 has 16 MA's), (Start: 60 @40233 has 22 MA's), (Start: 66 @40254 has 1 MA's), (73, 40281), (76, 40296), (88, 40338), (Start: 110 @40389 has 1 MA's), (134, 40479), (141, 40494), (165, 40608), (194, 40710), (307, 40872), (318, 40917), (319, 40923), (320, 40926), (322, 40932), (328, 40962), (345, 41064), (361, 41121), (377, 41172), (384, 41208), (387, 41220), (395, 41253), (399, 41268), (453, 41418),

Gene: JaguarMi_43 Start: 40036, Stop: 41772, Start Num: 79

Candidate Starts for JaguarMi_43:

(Start: 79 @40036 has 31 MA's), (91, 40081), (109, 40111), (115, 40129), (120, 40150), (125, 40165), (143, 40237), (165, 40330), (185, 40402), (192, 40426), (215, 40513), (217, 40528), (247, 40648), (254, 40711), (255, 40717), (265, 40792), (276, 40873), (280, 40897), (281, 40900), (319, 41053), (322, 41062), (324, 41071), (346, 41206), (367, 41275), (375, 41293), (383, 41326), (390, 41356), (414, 41434), (420, 41458), (425, 41476), (433, 41503), (441, 41548), (457, 41602), (466, 41632),

Gene: JalFarm20_32 Start: 26866, Stop: 28603, Start Num: 68

Candidate Starts for JalFarm20_32:

(14, 26593), (21, 26614), (Start: 68 @26866 has 192 MA's), (91, 26950), (141, 27100), (151, 27154), (187, 27295), (195, 27328), (207, 27376), (210, 27475), (269, 27868), (302, 28021), (321, 28099), (334, 28162), (341, 28201), (376, 28333), (381, 28354), (393, 28390),

Gene: James_30 Start: 26476, Stop: 27711, Start Num: 68

Candidate Starts for James_30:

(Start: 68 @26476 has 192 MA's), (104, 26593), (128, 26665), (154, 26782), (155, 26785), (178, 26863), (200, 26944), (272, 26986), (286, 27064), (318, 27190), (342, 27310), (349, 27352), (361, 27388), (362, 27391), (377, 27442), (379, 27451), (418, 27565),

Gene: JangDynasty_66 Start: 42283, Stop: 43503, Start Num: 131

Candidate Starts for JangDynasty_66:

(Start: 131 @42283 has 32 MA's), (144, 42319), (156, 42370), (157, 42376), (199, 42526), (218, 42580), (240, 42673), (248, 42721), (262, 42829), (266, 42850), (322, 43138), (346, 43255), (353, 43288), (359, 43300), (373, 43351), (380, 43375), (396, 43435), (411, 43480),

Gene: Janiyra_254 Start: 143297, Stop: 144727, Start Num: 112

Candidate Starts for Janiyra_254:

(Start: 112 @143297 has 191 MA's), (138, 143387), (152, 143450), (185, 143573), (192, 143597), (219, 143681), (230, 143723), (241, 143765), (265, 143930), (266, 143933), (318, 144188), (326, 144227), (332, 144257), (346, 144320), (351, 144341), (352, 144350), (354, 144353), (365, 144386), (371, 144401), (408, 144536), (431, 144611), (443, 144668), (444, 144671),

Gene: Jant_31 Start: 26496, Stop: 27698, Start Num: 135

Candidate Starts for Jant_31:

(42, 26223), (48, 26244), (Start: 135 @26496 has 40 MA's), (156, 26580), (199, 26730), (218, 26784), (248, 26925), (252, 26964), (266, 27051), (267, 27054), (284, 27168), (288, 27180), (301, 27243), (322, 27339), (346, 27456), (353, 27489), (359, 27501), (364, 27525), (373, 27549), (405, 27660), (411, 27678),

Gene: Jacob_30 Start: 26553, Stop: 27749, Start Num: 135

Candidate Starts for Jacob_30:

(Start: 135 @26553 has 40 MA's), (156, 26637), (199, 26787), (218, 26841), (240, 26934), (248, 26982), (262, 27093), (266, 27114), (322, 27396), (325, 27417), (346, 27513), (359, 27558), (373, 27603), (380, 27627), (396, 27687),

Gene: JayJay_250 Start: 142096, Stop: 143526, Start Num: 112

Candidate Starts for JayJay_250:

(Start: 112 @142096 has 191 MA's), (138, 142186), (152, 142249), (185, 142372), (192, 142396), (219, 142480), (230, 142522), (241, 142564), (265, 142729), (266, 142732), (318, 142987), (326, 143026), (332, 143056), (346, 143119), (351, 143140), (352, 143149), (354, 143152), (365, 143185), (371, 143200), (408, 143335), (431, 143410), (444, 143470),

Gene: Jaygup_247 Start: 142482, Stop: 143912, Start Num: 112

Candidate Starts for Jaygup_247:

(Start: 112 @142482 has 191 MA's), (138, 142572), (152, 142635), (185, 142758), (192, 142782), (219, 142866), (230, 142908), (241, 142950), (265, 143115), (266, 143118), (318, 143373), (326, 143412), (332, 143442), (346, 143505), (351, 143526), (352, 143535), (354, 143538), (365, 143571), (371, 143586), (408, 143721), (431, 143796), (443, 143853), (444, 143856),

Gene: Jedediah_252 Start: 143535, Stop: 144965, Start Num: 112

Candidate Starts for Jedediah_252:

(Start: 112 @143535 has 191 MA's), (138, 143625), (152, 143688), (185, 143811), (192, 143835), (219, 143919), (230, 143961), (241, 144003), (265, 144168), (266, 144171), (318, 144426), (326, 144465), (332, 144495), (346, 144558), (351, 144579), (352, 144588), (354, 144591), (365, 144624), (371, 144639), (408, 144774), (431, 144849), (443, 144906), (444, 144909),

Gene: Jemmno_250 Start: 142254, Stop: 143684, Start Num: 112

Candidate Starts for Jemmno_250:

(Start: 112 @142254 has 191 MA's), (138, 142344), (152, 142407), (185, 142530), (192, 142554), (219, 142638), (230, 142680), (241, 142722), (265, 142887), (266, 142890), (318, 143145), (326, 143184), (332, 143214), (346, 143277), (351, 143298), (352, 143307), (354, 143310), (365, 143343), (371, 143358), (408, 143493), (431, 143568), (443, 143625), (444, 143628),

Gene: Jennelsea_24 Start: 22465, Stop: 23661, Start Num: 135

Candidate Starts for Jennelsea_24:

(44, 22195), (Start: 135 @22465 has 40 MA's), (156, 22549), (199, 22699), (218, 22753), (240, 22846), (248, 22894), (262, 23005), (266, 23026), (322, 23308), (325, 23329), (346, 23425), (359, 23470), (373, 23515), (380, 23539), (396, 23599),

Gene: Jessibeth14_250 Start: 143730, Stop: 145160, Start Num: 112

Candidate Starts for Jessibeth14_250:

(Start: 112 @143730 has 191 MA's), (138, 143820), (152, 143883), (185, 144006), (192, 144030), (219, 144114), (230, 144156), (241, 144198), (265, 144363), (266, 144366), (318, 144621), (326, 144660), (332, 144690), (346, 144753), (351, 144774), (352, 144783), (354, 144786), (365, 144819), (371, 144834), (408, 144969), (431, 145044), (444, 145104),

Gene: Jezreel_247 Start: 142799, Stop: 144229, Start Num: 112

Candidate Starts for Jezreel_247:

(Start: 112 @142799 has 191 MA's), (138, 142889), (152, 142952), (185, 143075), (192, 143099), (219, 143183), (230, 143225), (241, 143267), (265, 143432), (266, 143435), (318, 143690), (326, 143729), (332, 143759), (346, 143822), (351, 143843), (352, 143852), (354, 143855), (365, 143888), (371, 143903), (408, 144038), (431, 144113), (443, 144170), (444, 144173),

Gene: JigglyPuff_256 Start: 144225, Stop: 145655, Start Num: 112

Candidate Starts for JigglyPuff_256:

(Start: 112 @144225 has 191 MA's), (138, 144315), (152, 144378), (185, 144501), (192, 144525), (219, 144609), (230, 144651), (241, 144693), (265, 144858), (266, 144861), (318, 145116), (326, 145155), (332, 145185), (346, 145248), (351, 145269), (352, 145278), (354, 145281), (365, 145314), (371, 145329), (408, 145464), (431, 145539), (443, 145596), (444, 145599),

Gene: Jinglebell_29 Start: 26535, Stop: 27728, Start Num: 68

Candidate Starts for Jinglebell_29:

(Start: 68 @26535 has 192 MA's), (91, 26619), (141, 26769), (151, 26823), (187, 26964), (287, 27045), (318, 27171), (338, 27276), (342, 27291), (349, 27333), (361, 27369), (362, 27372), (377, 27423), (379, 27432), (418, 27546), (432, 27588), (434, 27597), (451, 27654), (452, 27657),

Gene: Job42_34 Start: 28216, Stop: 29517, Start Num: 68

Candidate Starts for Job42_34:

(Start: 68 @28216 has 192 MA's), (104, 28336), (128, 28408), (154, 28525), (155, 28528), (178, 28606), (200, 28687), (272, 28738), (307, 28915), (318, 28957), (320, 28966), (345, 29104), (418, 29335), (432, 29377), (434, 29386), (451, 29443), (452, 29446),

Gene: JoeDirt_25 Start: 24357, Stop: 25529, Start Num: 61

Candidate Starts for JoeDirt_25:

(54, 24327), (Start: 61 @24357 has 30 MA's), (194, 24804), (287, 24882), (296, 24927), (318, 25002), (328, 25047), (342, 25122), (345, 25149), (349, 25167), (361, 25203), (362, 25206), (379, 25266), (395, 25317), (399, 25332), (430, 25401), (436, 25425),

Gene: JoeyJr_30 Start: 26494, Stop: 27687, Start Num: 68

Candidate Starts for JoeyJr_30:

(Start: 68 @26494 has 192 MA's), (91, 26578), (141, 26728), (151, 26782), (187, 26923), (287, 27004), (318, 27130), (319, 27136), (320, 27139), (342, 27250), (349, 27292), (361, 27328), (377, 27382), (379, 27391), (418, 27505), (432, 27547), (434, 27556), (451, 27613), (452, 27616),

Gene: JoieB_55 Start: 30941, Stop: 32320, Start Num: 75

Candidate Starts for JoieB_55:

(Start: 75 @30941 has 20 MA's), (103, 30998), (117, 31034), (122, 31058), (127, 31070), (161, 31193), (169, 31235), (190, 31307), (195, 31331), (199, 31337), (221, 31418), (242, 31487), (244, 31490), (248, 31526), (251, 31562), (262, 31634), (265, 31652), (266, 31655), (284, 31772), (291, 31802), (322, 31934), (325, 31955), (332, 31988), (345, 32042), (346, 32048), (380, 32168), (388, 32198), (394, 32219), (403, 32249),

Gene: JoyceMaria_43 Start: 40549, Stop: 42285, Start Num: 79

Candidate Starts for JoyceMaria_43:

(Start: 79 @40549 has 31 MA's), (109, 40624), (115, 40642), (120, 40663), (125, 40678), (143, 40750), (165, 40843), (185, 40915), (192, 40939), (215, 41026), (217, 41041), (254, 41224), (265, 41305), (276, 41386), (280, 41410), (281, 41413), (292, 41455), (319, 41566), (322, 41575), (324, 41584), (339, 41680), (346, 41719), (367, 41788), (377, 41812), (383, 41839), (390, 41869), (414, 41947), (420, 41971), (425, 41989), (426, 41992), (433, 42016), (441, 42061), (466, 42145),

Gene: Juice456_31 Start: 27616, Stop: 28824, Start Num: 68

Candidate Starts for Juice456_31:

(Start: 68 @27616 has 192 MA's), (91, 27700), (141, 27850), (151, 27904), (187, 28045), (287, 28123), (318, 28249), (319, 28255), (328, 28294), (338, 28354), (342, 28369), (349, 28411), (361, 28447), (362, 28450), (377, 28501), (379, 28510), (418, 28624), (452, 28735),

Gene: JulietS_239 Start: 139834, Stop: 141264, Start Num: 112

Candidate Starts for JulietS_239:

(Start: 112 @139834 has 191 MA's), (138, 139924), (152, 139987), (185, 140110), (192, 140134), (219, 140218), (230, 140260), (241, 140302), (265, 140467), (266, 140470), (318, 140725), (326, 140764), (332, 140794), (346, 140857), (351, 140878), (352, 140887), (354, 140890), (365, 140923), (371, 140938), (408, 141073), (431, 141148), (444, 141208),

Gene: Juniper1_30 Start: 26293, Stop: 27486, Start Num: 68

Candidate Starts for Juniper1_30:

(Start: 68 @26293 has 192 MA's), (91, 26377), (141, 26527), (151, 26581), (187, 26722), (287, 26803), (318, 26929), (319, 26935), (342, 27049), (349, 27091), (361, 27127), (377, 27181), (379, 27190), (418, 27304), (432, 27346), (434, 27355), (451, 27412), (452, 27415),

Gene: JustASigh_25 Start: 24704, Stop: 26068, Start Num: 100

Candidate Starts for JustASigh_25:

(87, 24677), (Start: 100 @24704 has 18 MA's), (113, 24734), (142, 24821), (184, 24995), (198, 25046), (213, 25070), (227, 25148), (239, 25205), (248, 25259), (251, 25295), (266, 25385), (280, 25493), (288, 25514), (301, 25577), (322, 25673), (353, 25823), (364, 25865),

Gene: JustHall_244 Start: 141784, Stop: 143214, Start Num: 112

Candidate Starts for JustHall_244:

(Start: 112 @141784 has 191 MA's), (138, 141874), (152, 141937), (185, 142060), (192, 142084), (219, 142168), (230, 142210), (241, 142252), (265, 142417), (266, 142420), (318, 142675), (326, 142714), (332, 142744), (346, 142807), (351, 142828), (352, 142837), (354, 142840), (365, 142873), (371, 142888), (408, 143023), (431, 143098), (443, 143155), (444, 143158),

Gene: Kamiyu_46 Start: 40176, Stop: 41504, Start Num: 36

Candidate Starts for Kamiyu_46:

(7, 39900), (9, 39921), (11, 39939), (12, 39945), (19, 40032), (24, 40080), (26, 40095), (31, 40155), (32, 40158), (Start: 36 @40176 has 1 MA's), (37, 40179), (Start: 60 @40281 has 22 MA's), (Start: 66 @40302 has 1 MA's), (73, 40329), (76, 40344), (88, 40386), (Start: 110 @40437 has 1 MA's), (134, 40527), (141, 40542), (165, 40656), (194, 40758), (307, 40920), (318, 40965), (319, 40971), (320, 40974), (322, 40980), (328, 41010), (345, 41112), (361, 41169), (377, 41220), (384, 41256), (387, 41268), (395, 41301), (399, 41316), (453, 41466),

Gene: Kamryn_249 Start: 143374, Stop: 144804, Start Num: 112

Candidate Starts for Kamryn_249:

(Start: 112 @143374 has 191 MA's), (138, 143464), (139, 143467), (152, 143527), (185, 143650), (192, 143674), (219, 143758), (230, 143800), (241, 143842), (265, 144007), (266, 144010), (318, 144265), (326, 144304), (332, 144334), (346, 144397), (351, 144418), (352, 144427), (354, 144430), (365, 144463), (371, 144478), (408, 144613), (431, 144688), (443, 144745), (444, 144748),

Gene: Karhdo_30 Start: 26458, Stop: 27651, Start Num: 68

Candidate Starts for Karhdo_30:

(Start: 68 @26458 has 192 MA's), (91, 26542), (141, 26692), (151, 26746), (187, 26887), (287, 26968), (318, 27094), (319, 27100), (328, 27139), (342, 27214), (349, 27256), (361, 27292), (379, 27355), (418, 27469), (432, 27511), (434, 27520), (451, 27577), (452, 27580),

Gene: Kboogie_254 Start: 142413, Stop: 143843, Start Num: 112

Candidate Starts for Kboogie_254:

(Start: 112 @142413 has 191 MA's), (138, 142503), (152, 142566), (185, 142689), (192, 142713), (219, 142797), (230, 142839), (241, 142881), (265, 143046), (266, 143049), (318, 143304), (326, 143343), (332, 143373), (346, 143436), (351, 143457), (352, 143466), (354, 143469), (365, 143502), (371, 143517), (408, 143652), (431, 143727), (443, 143784), (444, 143787),

Gene: Kenuha5_27 Start: 25482, Stop: 26636, Start Num: 68

Candidate Starts for Kenuha5_27:

(14, 25209), (21, 25230), (Start: 68 @25482 has 192 MA's), (91, 25566), (141, 25716), (151, 25770), (187, 25911), (287, 25992), (318, 26118), (319, 26124), (328, 26163), (338, 26223), (342, 26238), (349, 26280), (361, 26316), (362, 26319), (377, 26370), (379, 26379), (418, 26493), (452, 26604), (460, 26625),

Gene: Kersh_29 Start: 27534, Stop: 28727, Start Num: 68

Candidate Starts for Kersh_29:

(Start: 68 @27534 has 192 MA's), (91, 27618), (141, 27768), (151, 27822), (187, 27963), (287, 28044), (318, 28170), (319, 28176), (320, 28179), (338, 28275), (342, 28290), (349, 28332), (361, 28368), (377, 28422), (379, 28431), (418, 28545), (432, 28587), (434, 28596), (451, 28653), (452, 28656),

Gene: Khaleesi_249 Start: 143197, Stop: 144627, Start Num: 112

Candidate Starts for Khaleesi_249:

(Start: 112 @143197 has 191 MA's), (138, 143287), (152, 143350), (185, 143473), (192, 143497), (219, 143581), (230, 143623), (241, 143665), (265, 143830), (266, 143833), (318, 144088), (326, 144127), (332, 144157), (346, 144220), (351, 144241), (352, 144250), (354, 144253), (365, 144286), (371, 144301), (408, 144436), (431, 144511), (444, 144571),

Gene: Kimberlium_32 Start: 27454, Stop: 28644, Start Num: 68

Candidate Starts for Kimberlium_32:

(Start: 68 @27454 has 192 MA's), (91, 27538), (141, 27688), (151, 27742), (187, 27883), (287, 27961), (318, 28087), (319, 28093), (328, 28132), (338, 28192), (342, 28207), (349, 28249), (361, 28285), (362, 28288), (377, 28339), (379, 28348), (418, 28462), (432, 28504), (434, 28513), (451, 28570),

(452, 28573),

Gene: KingJulian_30 Start: 26519, Stop: 27715, Start Num: 135

Candidate Starts for KingJulian_30:

(47, 26267), (Start: 135 @26519 has 40 MA's), (156, 26603), (199, 26753), (218, 26807), (240, 26900), (248, 26948), (262, 27059), (266, 27080), (322, 27362), (325, 27383), (346, 27479), (359, 27524), (373, 27569), (380, 27593), (396, 27653),

Gene: KingMidas_31 Start: 27622, Stop: 28776, Start Num: 68

Candidate Starts for KingMidas_31:

(Start: 68 @27622 has 192 MA's), (91, 27706), (141, 27856), (151, 27910), (187, 28051), (287, 28132), (318, 28258), (319, 28264), (328, 28303), (338, 28363), (342, 28378), (349, 28420), (361, 28456), (362, 28459), (377, 28510), (379, 28519), (418, 28633), (452, 28744), (460, 28765),

Gene: KingPhillip3_66 Start: 42212, Stop: 43432, Start Num: 131

Candidate Starts for KingPhillip3_66:

(Start: 131 @42212 has 32 MA's), (144, 42248), (156, 42299), (157, 42305), (199, 42455), (218, 42509), (240, 42602), (248, 42650), (262, 42758), (266, 42779), (322, 43067), (346, 43184), (353, 43217), (359, 43229), (373, 43280), (380, 43304), (396, 43364), (411, 43409),

Gene: Kingsley_28 Start: 25309, Stop: 26475, Start Num: 68

Candidate Starts for Kingsley_28:

(14, 25036), (21, 25057), (Start: 68 @25309 has 192 MA's), (91, 25393), (141, 25543), (151, 25597), (174, 25690), (187, 25738), (287, 25819), (318, 25945), (319, 25951), (338, 26050), (342, 26065), (349, 26107), (361, 26143), (362, 26146), (377, 26197), (379, 26206), (418, 26320), (452, 26431),

Gene: KleverKiS_35 Start: 29779, Stop: 31146, Start Num: 74

Candidate Starts for KleverKiS_35:

(Start: 74 @29779 has 16 MA's), (89, 29836), (98, 29863), (105, 29878), (113, 29899), (114, 29902), (148, 30040), (153, 30064), (173, 30142), (176, 30148), (177, 30151), (195, 30226), (295, 30358), (304, 30385), (306, 30394), (323, 30448), (328, 30475), (333, 30505), (343, 30559), (359, 30631), (410, 30817), (445, 30937), (451, 30958), (457, 30976), (463, 30991), (471, 31021), (475, 31051), (478, 31087), (479, 31090), (485, 31126),

Gene: Koella_24 Start: 22477, Stop: 23673, Start Num: 135

Candidate Starts for Koella_24:

(44, 22207), (Start: 135 @22477 has 40 MA's), (156, 22561), (199, 22711), (218, 22765), (240, 22858), (248, 22906), (262, 23017), (266, 23038), (322, 23320), (325, 23341), (346, 23437), (359, 23482), (373, 23527), (380, 23551), (396, 23611),

Gene: Koguma_249 Start: 141996, Stop: 143426, Start Num: 112

Candidate Starts for Koguma_249:

(Start: 112 @141996 has 191 MA's), (138, 142086), (152, 142149), (185, 142272), (192, 142296), (219, 142380), (230, 142422), (241, 142464), (265, 142629), (266, 142632), (318, 142887), (326, 142926), (332, 142956), (346, 143019), (351, 143040), (352, 143049), (354, 143052), (365, 143085), (371, 143100), (408, 143235), (431, 143310), (443, 143367), (444, 143370),

Gene: Krakatau_31 Start: 27006, Stop: 28214, Start Num: 135

Candidate Starts for Krakatau_31:

(27, 26619), (43, 26733), (48, 26751), (Start: 135 @27006 has 40 MA's), (158, 27102), (164, 27126), (191, 27219), (192, 27222), (212, 27267), (238, 27396), (248, 27447), (262, 27558), (266, 27579), (322, 27861), (325, 27882), (346, 27978), (359, 28023), (373, 28068), (380, 28092), (396, 28152),

Gene: Krili_65 Start: 41707, Stop: 42927, Start Num: 131

Candidate Starts for Krili_65:

(Start: 131 @41707 has 32 MA's), (144, 41743), (156, 41794), (157, 41800), (158, 41803), (199, 41950), (218, 42004), (240, 42097), (248, 42145), (262, 42253), (266, 42274), (322, 42562), (346, 42679), (353, 42712), (359, 42724), (373, 42775), (380, 42799), (396, 42859), (411, 42904),

Gene: KristaRAM_31 Start: 27175, Stop: 28344, Start Num: 68

Candidate Starts for KristaRAM_31:

(16, 26902), (19, 26905), (Start: 68 @27175 has 192 MA's), (91, 27259), (141, 27409), (151, 27463), (187, 27604), (307, 27781), (318, 27823), (320, 27832), (345, 27970), (452, 28312), (461, 28333),

Gene: Kronus_45 Start: 40850, Stop: 42115, Start Num: 50

Candidate Starts for Kronus_45:

(41, 40820), (Start: 45 @40838 has 11 MA's), (47, 40841), (Start: 50 @40850 has 16 MA's), (Start: 60 @40892 has 22 MA's), (Start: 66 @40913 has 1 MA's), (73, 40940), (76, 40955), (88, 40997), (Start: 110 @41048 has 1 MA's), (134, 41138), (141, 41153), (165, 41267), (194, 41369), (307, 41531), (318, 41576), (319, 41582), (320, 41585), (322, 41591), (328, 41621), (345, 41723), (361, 41780), (377, 41831), (384, 41867), (387, 41879), (395, 41912), (399, 41927), (453, 42077),

Gene: Kropertea_25 Start: 24107, Stop: 25279, Start Num: 61

Candidate Starts for Kropertea_25:

(Start: 61 @24107 has 30 MA's), (Start: 64 @24116 has 1 MA's), (107, 24251), (129, 24317), (134, 24347), (137, 24356), (165, 24479), (193, 24551), (287, 24632), (290, 24641), (318, 24752), (320, 24761), (323, 24770), (345, 24899), (362, 24956), (379, 25016), (384, 25043), (399, 25082), (404, 25094), (429, 25148), (430, 25151),

Gene: Kumao_37 Start: 32402, Stop: 33853, Start Num: 58

Candidate Starts for Kumao_37:

(Start: 58 @32402 has 1 MA's), (86, 32510), (89, 32519), (148, 32714), (273, 32951), (289, 33023), (303, 33071), (310, 33101), (348, 33278), (357, 33314), (384, 33422), (401, 33467), (409, 33500), (421, 33542), (440, 33626), (449, 33656), (451, 33665), (455, 33677), (457, 33683), (467, 33719), (471, 33728), (473, 33737), (476, 33776), (482, 33806), (487, 33848),

Gene: LRRHood_242 Start: 141406, Stop: 142836, Start Num: 112

Candidate Starts for LRRHood_242:

(Start: 112 @141406 has 191 MA's), (138, 141496), (152, 141559), (185, 141682), (192, 141706), (219, 141790), (230, 141832), (241, 141874), (265, 142039), (266, 142042), (318, 142297), (326, 142336), (332, 142366), (346, 142429), (351, 142450), (352, 142459), (354, 142462), (365, 142495), (371, 142510), (408, 142645), (431, 142720), (443, 142777), (444, 142780),

Gene: Labelle_40 Start: 33850, Stop: 35241, Start Num: 51

Candidate Starts for Labelle_40:

(Start: 51 @33850 has 3 MA's), (Start: 60 @33889 has 22 MA's), (70, 33925), (84, 33985), (92, 34015), (130, 34132), (140, 34156), (166, 34273), (181, 34318), (274, 34393), (276, 34402), (299, 34489), (322, 34561), (337, 34648), (342, 34666), (356, 34738), (361, 34750), (377, 34804), (380, 34816), (384, 34840), (407, 34918), (417, 34951), (423, 34966), (439, 35035), (456, 35074), (468, 35113), (474, 35134), (486, 35233),

Gene: Labradorite_247 Start: 141973, Stop: 143403, Start Num: 112

Candidate Starts for Labradorite_247:

(Start: 112 @141973 has 191 MA's), (138, 142063), (152, 142126), (185, 142249), (192, 142273), (219, 142357), (230, 142399), (241, 142441), (265, 142606), (266, 142609), (318, 142864), (326, 142903), (332, 142933), (346, 142996), (351, 143017), (352, 143026), (354, 143029), (365, 143062),

(371, 143077), (408, 143212), (431, 143287), (443, 143344), (444, 143347),

Gene: Lambano_42 Start: 39535, Stop: 41271, Start Num: 79

Candidate Starts for Lambano_42:

(Start: 79 @39535 has 31 MA's), (109, 39610), (115, 39628), (120, 39649), (125, 39664), (143, 39736), (165, 39829), (185, 39901), (192, 39925), (215, 40012), (217, 40027), (254, 40210), (265, 40291), (276, 40372), (280, 40396), (281, 40399), (292, 40441), (319, 40552), (322, 40561), (324, 40570), (339, 40666), (346, 40705), (367, 40774), (377, 40798), (383, 40825), (390, 40855), (414, 40933), (420, 40957), (425, 40975), (426, 40978), (433, 41002), (441, 41047), (466, 41131),

Gene: LastJedi_24 Start: 22508, Stop: 23704, Start Num: 135

Candidate Starts for LastJedi_24:

(44, 22238), (Start: 135 @22508 has 40 MA's), (156, 22592), (199, 22742), (218, 22796), (240, 22889), (248, 22937), (262, 23048), (266, 23069), (322, 23351), (325, 23372), (346, 23468), (359, 23513), (373, 23558), (380, 23582), (396, 23642),

Gene: Latch_250 Start: 141959, Stop: 143389, Start Num: 112

Candidate Starts for Latch_250:

(Start: 112 @141959 has 191 MA's), (138, 142049), (152, 142112), (185, 142235), (192, 142259), (219, 142343), (230, 142385), (241, 142427), (265, 142592), (266, 142595), (318, 142850), (326, 142889), (332, 142919), (346, 142982), (351, 143003), (352, 143012), (354, 143015), (365, 143048), (371, 143063), (408, 143198), (431, 143273), (443, 143330), (444, 143333),

Gene: Latretium_31 Start: 27137, Stop: 28306, Start Num: 68

Candidate Starts for Latretium_31:

(Start: 68 @27137 has 192 MA's), (91, 27221), (141, 27371), (151, 27425), (187, 27566), (307, 27743), (318, 27785), (320, 27794), (345, 27932), (418, 28163), (452, 28274), (461, 28295),

Gene: LeBron_25 Start: 24401, Stop: 25573, Start Num: 61

Candidate Starts for LeBron_25:

(54, 24371), (Start: 61 @24401 has 30 MA's), (194, 24848), (287, 24926), (296, 24971), (318, 25046), (328, 25091), (342, 25166), (345, 25193), (349, 25211), (361, 25247), (362, 25250), (379, 25310), (395, 25361), (399, 25376), (430, 25445), (436, 25469), (456, 25529),

Gene: Lee7_255 Start: 145060, Stop: 146490, Start Num: 112

Candidate Starts for Lee7_255:

(Start: 112 @145060 has 191 MA's), (138, 145150), (152, 145213), (185, 145336), (192, 145360), (219, 145444), (230, 145486), (241, 145528), (265, 145693), (266, 145696), (318, 145951), (326, 145990), (332, 146020), (346, 146083), (351, 146104), (352, 146113), (354, 146116), (365, 146149), (371, 146164), (408, 146299), (431, 146374), (443, 146431), (444, 146434),

Gene: Leozinho_31 Start: 26186, Stop: 27340, Start Num: 68

Candidate Starts for Leozinho_31:

(21, 25934), (Start: 68 @26186 has 192 MA's), (91, 26270), (141, 26420), (151, 26474), (187, 26615), (287, 26696), (318, 26822), (319, 26828), (328, 26867), (338, 26927), (342, 26942), (349, 26984), (361, 27020), (362, 27023), (363, 27038), (377, 27074), (379, 27083), (418, 27197), (452, 27308), (460, 27329),

Gene: Leperchaun_30 Start: 26385, Stop: 27593, Start Num: 135

Candidate Starts for Leperchaun_30:

(Start: 135 @26385 has 40 MA's), (158, 26481), (164, 26505), (191, 26598), (192, 26601), (212, 26646), (238, 26775), (248, 26826), (262, 26937), (266, 26958), (322, 27240), (325, 27261), (346, 27357), (359, 27402), (373, 27447), (380, 27471), (396, 27531),

Gene: LestyG_46 Start: 40313, Stop: 41536, Start Num: 60

Candidate Starts for LestyG_46:

(Start: 34 @40199 has 1 MA's), (35, 40202), (Start: 60 @40313 has 22 MA's), (Start: 66 @40334 has 1 MA's), (73, 40361), (76, 40376), (88, 40418), (Start: 110 @40469 has 1 MA's), (134, 40559), (141, 40574), (165, 40688), (194, 40790), (307, 40952), (318, 40997), (319, 41003), (320, 41006), (322, 41012), (328, 41042), (345, 41144), (361, 41201), (377, 41252), (384, 41288), (387, 41300), (395, 41333), (399, 41348), (453, 41498),

Gene: Lethe_248 Start: 143781, Stop: 145211, Start Num: 112

Candidate Starts for Lethe_248:

(Start: 112 @143781 has 191 MA's), (138, 143871), (139, 143874), (152, 143934), (185, 144057), (192, 144081), (219, 144165), (230, 144207), (241, 144249), (265, 144414), (266, 144417), (318, 144672), (326, 144711), (332, 144741), (346, 144804), (351, 144825), (352, 144834), (354, 144837), (365, 144870), (371, 144885), (408, 145020), (431, 145095), (443, 145152), (444, 145155),

Gene: LifeSavor_251 Start: 143187, Stop: 144617, Start Num: 112

Candidate Starts for LifeSavor_251:

(Start: 112 @143187 has 191 MA's), (138, 143277), (152, 143340), (185, 143463), (192, 143487), (219, 143571), (230, 143613), (241, 143655), (265, 143820), (266, 143823), (318, 144078), (326, 144117), (332, 144147), (346, 144210), (351, 144231), (352, 144240), (354, 144243), (365, 144276), (371, 144291), (408, 144426), (431, 144501), (443, 144558), (444, 144561),

Gene: LilMoolah_30 Start: 26601, Stop: 27797, Start Num: 135

Candidate Starts for LilMoolah_30:

(Start: 135 @26601 has 40 MA's), (156, 26685), (199, 26835), (218, 26889), (240, 26982), (248, 27030), (262, 27141), (266, 27162), (322, 27444), (325, 27465), (346, 27561), (359, 27606), (373, 27651), (380, 27675), (396, 27735),

Gene: LilSpotty_31 Start: 23805, Stop: 24962, Start Num: 68

Candidate Starts for LilSpotty_31:

(Start: 68 @23805 has 192 MA's), (91, 23889), (141, 24039), (151, 24093), (174, 24186), (187, 24237), (287, 24315), (318, 24441), (319, 24447), (323, 24459), (342, 24561), (349, 24603), (379, 24702), (418, 24816),

Gene: Lilbit_53 Start: 30704, Stop: 32083, Start Num: 75

Candidate Starts for Lilbit_53:

(Start: 75 @30704 has 20 MA's), (103, 30761), (117, 30797), (122, 30821), (127, 30833), (161, 30956), (169, 30998), (190, 31070), (195, 31094), (199, 31100), (221, 31181), (242, 31250), (244, 31253), (248, 31289), (251, 31325), (262, 31397), (265, 31415), (266, 31418), (284, 31535), (291, 31565), (322, 31697), (325, 31718), (332, 31751), (345, 31805), (346, 31811), (380, 31931), (388, 31961), (394, 31982), (403, 32012),

Gene: LilhomieP_34 Start: 29799, Stop: 31166, Start Num: 74

Candidate Starts for LilhomieP_34:

(Start: 74 @29799 has 16 MA's), (89, 29856), (98, 29883), (114, 29922), (148, 30060), (153, 30084), (173, 30162), (176, 30168), (177, 30171), (195, 30246), (295, 30378), (304, 30405), (306, 30414), (323, 30468), (328, 30495), (333, 30525), (343, 30579), (359, 30651), (410, 30837), (445, 30957), (451, 30978), (457, 30996), (463, 31011), (471, 31041), (475, 31071), (478, 31107), (479, 31110), (485, 31146),

Gene: LinStu_247 Start: 141288, Stop: 142718, Start Num: 112

Candidate Starts for LinStu_247:

(93, 141246), (Start: 112 @141288 has 191 MA's), (138, 141378), (152, 141441), (185, 141564), (192, 141588), (219, 141672), (230, 141714), (241, 141756), (265, 141921), (266, 141924), (318, 142179), (326, 142218), (332, 142248), (346, 142311), (351, 142332), (352, 142341), (354, 142344), (365, 142377), (371, 142392), (408, 142527), (431, 142602), (444, 142662),

Gene: LittleDigger_42 Start: 39557, Stop: 41293, Start Num: 79

Candidate Starts for LittleDigger_42:

(Start: 79 @39557 has 31 MA's), (109, 39632), (115, 39650), (120, 39671), (125, 39686), (143, 39758), (165, 39851), (185, 39923), (192, 39947), (215, 40034), (217, 40049), (254, 40232), (265, 40313), (276, 40394), (280, 40418), (281, 40421), (292, 40463), (319, 40574), (322, 40583), (324, 40592), (339, 40688), (346, 40727), (367, 40796), (377, 40820), (383, 40847), (390, 40877), (414, 40955), (420, 40979), (425, 40997), (426, 41000), (433, 41024), (441, 41069), (466, 41153),

Gene: LittleLaf_54 Start: 30433, Stop: 31812, Start Num: 75

Candidate Starts for LittleLaf_54:

(Start: 75 @30433 has 20 MA's), (103, 30490), (117, 30526), (122, 30550), (127, 30562), (161, 30685), (169, 30727), (190, 30799), (195, 30823), (199, 30829), (221, 30910), (242, 30979), (244, 30982), (248, 31018), (251, 31054), (262, 31126), (265, 31144), (266, 31147), (284, 31264), (291, 31294), (322, 31426), (325, 31447), (332, 31480), (345, 31534), (346, 31540), (380, 31660), (388, 31690), (394, 31711), (403, 31741),

Gene: LittleShirley_33 Start: 27885, Stop: 29159, Start Num: 68

Candidate Starts for LittleShirley_33:

(Start: 68 @27885 has 192 MA's), (104, 28005), (128, 28077), (154, 28194), (155, 28197), (178, 28275), (200, 28356), (272, 28398), (286, 28476), (318, 28602), (319, 28608), (320, 28611), (328, 28647), (342, 28722), (349, 28764), (361, 28800), (362, 28803), (377, 28854), (379, 28863), (418, 28977), (432, 29019), (434, 29028), (451, 29085), (452, 29088),

Gene: Littleton_254 Start: 143196, Stop: 144626, Start Num: 112

Candidate Starts for Littleton_254:

(Start: 112 @143196 has 191 MA's), (138, 143286), (152, 143349), (185, 143472), (192, 143496), (219, 143580), (230, 143622), (241, 143664), (265, 143829), (266, 143832), (318, 144087), (326, 144126), (332, 144156), (346, 144219), (351, 144240), (352, 144249), (354, 144252), (365, 144285), (371, 144300), (408, 144435), (431, 144510), (443, 144567), (444, 144570),

Gene: Lizziana_30 Start: 26476, Stop: 27672, Start Num: 135

Candidate Starts for Lizziana_30:

(Start: 135 @26476 has 40 MA's), (156, 26560), (199, 26710), (218, 26764), (240, 26857), (248, 26905), (262, 27016), (266, 27037), (322, 27319), (325, 27340), (346, 27436), (359, 27481), (373, 27526), (380, 27550), (396, 27610),

Gene: Llama_30 Start: 26534, Stop: 27727, Start Num: 68

Candidate Starts for Llama_30:

(Start: 68 @26534 has 192 MA's), (91, 26618), (141, 26768), (151, 26822), (187, 26963), (287, 27044), (318, 27170), (338, 27275), (342, 27290), (349, 27332), (361, 27368), (362, 27371), (377, 27422), (379, 27431), (418, 27545), (432, 27587), (434, 27596), (451, 27653), (452, 27656),

Gene: Llij_30 Start: 26306, Stop: 27499, Start Num: 68

Candidate Starts for Llij_30:

(Start: 68 @26306 has 192 MA's), (91, 26390), (141, 26540), (151, 26594), (187, 26735), (287, 26816), (318, 26942), (319, 26948), (342, 27062), (349, 27104), (361, 27140), (363, 27158), (377, 27194), (379, 27203), (418, 27317), (432, 27359), (434, 27368), (451, 27425), (452, 27428),

Gene: Loanshark_247 Start: 142546, Stop: 143976, Start Num: 112

Candidate Starts for Loanshark_247:

(Start: 112 @142546 has 191 MA's), (138, 142636), (152, 142699), (185, 142822), (192, 142846), (219, 142930), (230, 142972), (241, 143014), (265, 143179), (266, 143182), (318, 143437), (326, 143476), (332, 143506), (346, 143569), (351, 143590), (352, 143599), (354, 143602), (365, 143635), (371, 143650), (408, 143785), (431, 143860), (443, 143917), (444, 143920),

Gene: LolaVinca_246 Start: 142799, Stop: 144229, Start Num: 112

Candidate Starts for LolaVinca_246:

(Start: 112 @142799 has 191 MA's), (138, 142889), (152, 142952), (185, 143075), (192, 143099), (219, 143183), (230, 143225), (241, 143267), (265, 143432), (266, 143435), (318, 143690), (326, 143729), (332, 143759), (346, 143822), (351, 143843), (352, 143852), (354, 143855), (365, 143888), (371, 143903), (408, 144038), (431, 144113), (443, 144170), (444, 144173),

Gene: Lolalove_44 Start: 40560, Stop: 42296, Start Num: 79

Candidate Starts for Lolalove_44:

(Start: 79 @40560 has 31 MA's), (109, 40635), (115, 40653), (120, 40674), (125, 40689), (143, 40761), (165, 40854), (185, 40926), (192, 40950), (215, 41037), (217, 41052), (254, 41235), (265, 41316), (276, 41397), (280, 41421), (281, 41424), (292, 41466), (319, 41577), (322, 41586), (324, 41595), (339, 41691), (346, 41730), (367, 41799), (377, 41823), (383, 41850), (390, 41880), (414, 41958), (420, 41982), (425, 42000), (426, 42003), (433, 42027), (441, 42072), (466, 42156),

Gene: LookingGlass_248 Start: 142704, Stop: 144134, Start Num: 112

Candidate Starts for LookingGlass_248:

(Start: 112 @142704 has 191 MA's), (138, 142794), (139, 142797), (152, 142857), (185, 142980), (192, 143004), (219, 143088), (230, 143130), (241, 143172), (265, 143337), (266, 143340), (318, 143595), (326, 143634), (332, 143664), (346, 143727), (351, 143748), (352, 143757), (354, 143760), (365, 143793), (371, 143808), (408, 143943), (431, 144018), (443, 144075), (444, 144078),

Gene: LordLeafolot_251 Start: 142412, Stop: 143842, Start Num: 112

Candidate Starts for LordLeafolot_251:

(Start: 112 @142412 has 191 MA's), (138, 142502), (139, 142505), (152, 142565), (185, 142688), (192, 142712), (219, 142796), (230, 142838), (241, 142880), (265, 143045), (266, 143048), (318, 143303), (326, 143342), (332, 143372), (346, 143435), (351, 143456), (352, 143465), (354, 143468), (365, 143501), (371, 143516), (408, 143651), (431, 143726), (443, 143783), (444, 143786),

Gene: LordVader_25 Start: 21542, Stop: 22702, Start Num: 68

Candidate Starts for LordVader_25:

(18, 21272), (Start: 68 @21542 has 192 MA's), (91, 21626), (141, 21776), (151, 21830), (174, 21923), (183, 21953), (187, 21974), (287, 22052), (318, 22178), (319, 22184), (342, 22298), (349, 22340), (358, 22373), (362, 22379), (379, 22439),

Gene: Lorde_31 Start: 26141, Stop: 27412, Start Num: 100

Candidate Starts for Lorde_31:

(Start: 100 @26141 has 18 MA's), (142, 26258), (196, 26447), (198, 26450), (220, 26528), (239, 26609), (248, 26660), (252, 26699), (256, 26723), (266, 26786), (267, 26789), (280, 26894), (288, 26915), (301, 26978), (308, 27008), (322, 27065), (346, 27182), (353, 27215),

Gene: Lucia_31 Start: 26437, Stop: 27630, Start Num: 68

Candidate Starts for Lucia_31:

(22, 26185), (Start: 68 @26437 has 192 MA's), (91, 26521), (141, 26671), (151, 26725), (174, 26818), (187, 26866), (287, 26947), (318, 27073), (319, 27079), (338, 27178), (342, 27193), (349, 27235), (361, 27271), (363, 27289), (377, 27325), (379, 27334), (418, 27448), (432, 27490), (434, 27499),

(451, 27556), (452, 27559),

Gene: Lukilu_239 Start: 143415, Stop: 144845, Start Num: 112

Candidate Starts for Lukilu_239:

(Start: 112 @143415 has 191 MA's), (138, 143505), (139, 143508), (152, 143568), (185, 143691), (192, 143715), (219, 143799), (230, 143841), (241, 143883), (265, 144048), (266, 144051), (318, 144306), (326, 144345), (332, 144375), (346, 144438), (351, 144459), (352, 144468), (354, 144471), (365, 144504), (371, 144519), (408, 144654), (431, 144729), (443, 144786), (444, 144789),

Gene: LunaBlu_32 Start: 26697, Stop: 27944, Start Num: 68

Candidate Starts for LunaBlu_32:

(Start: 68 @26697 has 192 MA's), (104, 26817), (128, 26889), (154, 27006), (155, 27009), (178, 27087), (200, 27168), (272, 27210), (286, 27288), (318, 27414), (319, 27420), (328, 27459), (338, 27519), (342, 27534), (349, 27576), (361, 27612), (362, 27615), (377, 27666), (379, 27675), (418, 27789), (432, 27831), (434, 27840), (452, 27900),

Gene: LunaStella_32 Start: 26826, Stop: 28124, Start Num: 100

Candidate Starts for LunaStella_32:

(Start: 100 @26826 has 18 MA's), (124, 26898), (142, 26946), (144, 26964), (157, 27018), (196, 27135), (198, 27138), (227, 27240), (239, 27297), (248, 27351), (266, 27477), (267, 27480), (284, 27594), (288, 27606), (301, 27669), (322, 27765), (346, 27882), (353, 27915), (359, 27927), (372, 27972), (382, 28011), (389, 28032), (398, 28065), (411, 28104),

Gene: Lunareta_247 Start: 143113, Stop: 144543, Start Num: 112

Candidate Starts for Lunareta_247:

(Start: 112 @143113 has 191 MA's), (138, 143203), (152, 143266), (185, 143389), (192, 143413), (219, 143497), (230, 143539), (241, 143581), (265, 143746), (266, 143749), (318, 144004), (326, 144043), (332, 144073), (346, 144136), (351, 144157), (352, 144166), (354, 144169), (365, 144202), (371, 144217), (408, 144352), (431, 144427), (444, 144487),

Gene: MAckerman_25 Start: 24375, Stop: 25547, Start Num: 61

Candidate Starts for MAckerman_25:

(54, 24345), (Start: 61 @24375 has 30 MA's), (194, 24822), (287, 24900), (296, 24945), (318, 25020), (328, 25065), (342, 25140), (345, 25167), (349, 25185), (361, 25221), (362, 25224), (379, 25284), (395, 25335), (399, 25350), (430, 25419), (436, 25443), (456, 25503),

Gene: Maby2021_251 Start: 144099, Stop: 145529, Start Num: 112

Candidate Starts for Maby2021_251:

(Start: 112 @144099 has 191 MA's), (138, 144189), (152, 144252), (185, 144375), (192, 144399), (219, 144483), (230, 144525), (241, 144567), (265, 144732), (266, 144735), (318, 144990), (326, 145029), (332, 145059), (346, 145122), (351, 145143), (352, 145152), (354, 145155), (365, 145188), (371, 145203), (408, 145338), (431, 145413), (443, 145470), (444, 145473),

Gene: MadKillah_67 Start: 41976, Stop: 43196, Start Num: 131

Candidate Starts for MadKillah_67:

(Start: 131 @41976 has 32 MA's), (144, 42012), (156, 42063), (157, 42069), (199, 42219), (218, 42273), (240, 42366), (248, 42414), (262, 42522), (266, 42543), (322, 42831), (346, 42948), (353, 42981), (359, 42993), (373, 43044), (380, 43068), (396, 43128), (411, 43173),

Gene: MadMen_27 Start: 25582, Stop: 26772, Start Num: 68

Candidate Starts for MadMen_27:

(Start: 68 @25582 has 192 MA's), (91, 25666), (141, 25816), (151, 25870), (187, 26011), (287, 26092), (318, 26218), (319, 26224), (320, 26227), (342, 26338), (349, 26380), (362, 26419), (363, 26434),

(377, 26470), (379, 26479), (418, 26593),

Gene: Madiba_28 Start: 25236, Stop: 26429, Start Num: 68

Candidate Starts for Madiba_28:

(Start: 68 @25236 has 192 MA's), (91, 25320), (141, 25470), (151, 25524), (187, 25665), (287, 25746), (318, 25872), (319, 25878), (320, 25881), (328, 25917), (342, 25992), (349, 26034), (361, 26070), (362, 26073), (377, 26124), (379, 26133), (418, 26247), (432, 26289), (434, 26298), (451, 26355), (452, 26358),

Gene: Madruga_39 Start: 33518, Stop: 34909, Start Num: 51

Candidate Starts for Madruga_39:

(Start: 51 @33518 has 3 MA's), (Start: 60 @33557 has 22 MA's), (70, 33593), (84, 33653), (92, 33683), (130, 33800), (140, 33824), (166, 33941), (181, 33986), (274, 34061), (276, 34070), (299, 34157), (322, 34229), (337, 34316), (342, 34334), (356, 34406), (361, 34418), (377, 34472), (380, 34484), (384, 34508), (407, 34586), (417, 34619), (423, 34634), (439, 34703), (456, 34742), (468, 34781), (474, 34802), (486, 34901),

Gene: Magpie_42 Start: 40402, Stop: 42138, Start Num: 79

Candidate Starts for Magpie_42:

(Start: 79 @40402 has 31 MA's), (109, 40477), (115, 40495), (120, 40516), (125, 40531), (143, 40603), (165, 40696), (185, 40768), (192, 40792), (215, 40879), (217, 40894), (254, 41077), (265, 41158), (276, 41239), (280, 41263), (281, 41266), (292, 41308), (319, 41419), (322, 41428), (324, 41437), (339, 41533), (346, 41572), (367, 41641), (377, 41665), (383, 41692), (390, 41722), (414, 41800), (420, 41824), (425, 41842), (426, 41845), (433, 41869), (441, 41914), (466, 41998),

Gene: Maguvora_251 Start: 143391, Stop: 144821, Start Num: 112

Candidate Starts for Maguvora_251:

(Start: 112 @143391 has 191 MA's), (138, 143481), (152, 143544), (185, 143667), (192, 143691), (219, 143775), (230, 143817), (241, 143859), (265, 144024), (266, 144027), (318, 144282), (326, 144321), (332, 144351), (346, 144414), (351, 144435), (352, 144444), (354, 144447), (365, 144480), (371, 144495), (408, 144630), (431, 144705), (443, 144762), (444, 144765),

Gene: Mahavrat_30 Start: 26287, Stop: 27558, Start Num: 68

Candidate Starts for Mahavrat_30:

(Start: 68 @26287 has 192 MA's), (104, 26404), (128, 26476), (154, 26593), (155, 26596), (178, 26674), (200, 26755), (272, 26797), (286, 26875), (318, 27001), (319, 27007), (333, 27076), (342, 27121), (349, 27163), (361, 27199), (377, 27253), (379, 27262), (418, 27376), (432, 27418), (434, 27427), (451, 27484), (452, 27487),

Gene: Mandlovu_30 Start: 26529, Stop: 27695, Start Num: 68

Candidate Starts for Mandlovu_30:

(14, 26256), (17, 26259), (Start: 68 @26529 has 192 MA's), (91, 26613), (141, 26763), (151, 26817), (187, 26958), (287, 27039), (318, 27165), (319, 27171), (328, 27210), (342, 27285), (349, 27327), (361, 27363), (363, 27381), (377, 27417), (379, 27426), (418, 27540),

Gene: Mangeria_250 Start: 143310, Stop: 144740, Start Num: 112

Candidate Starts for Mangeria_250:

(Start: 112 @143310 has 191 MA's), (138, 143400), (152, 143463), (185, 143586), (192, 143610), (219, 143694), (230, 143736), (241, 143778), (265, 143943), (266, 143946), (318, 144201), (326, 144240), (332, 144270), (346, 144333), (351, 144354), (352, 144363), (354, 144366), (365, 144399), (371, 144414), (408, 144549), (431, 144624), (443, 144681), (444, 144684),

Gene: Mantra_30 Start: 26425, Stop: 27618, Start Num: 68

Candidate Starts for Mantra_30:

(Start: 68 @26425 has 192 MA's), (91, 26509), (141, 26659), (151, 26713), (187, 26854), (287, 26935), (318, 27061), (319, 27067), (320, 27070), (328, 27106), (342, 27181), (349, 27223), (361, 27259), (379, 27322), (418, 27436), (432, 27478), (434, 27487), (451, 27544), (452, 27547),

Gene: Maravista_30 Start: 26258, Stop: 27454, Start Num: 135

Candidate Starts for Maravista_30:

(Start: 135 @26258 has 40 MA's), (156, 26342), (199, 26492), (218, 26546), (240, 26639), (248, 26687), (262, 26798), (266, 26819), (322, 27101), (325, 27122), (346, 27218), (359, 27263), (373, 27308), (380, 27332), (396, 27392),

Gene: Marker_31 Start: 26193, Stop: 27383, Start Num: 68

Candidate Starts for Marker_31:

(14, 25920), (17, 25923), (Start: 68 @26193 has 192 MA's), (91, 26277), (141, 26427), (151, 26481), (187, 26622), (287, 26700), (318, 26826), (319, 26832), (328, 26871), (338, 26931), (342, 26946), (349, 26988), (361, 27024), (362, 27027), (363, 27042), (377, 27078), (379, 27087), (418, 27201), (432, 27243), (434, 27252), (451, 27309), (452, 27312),

Gene: Marley1013_46 Start: 41091, Stop: 42314, Start Num: 60

Candidate Starts for Marley1013_46:

(Start: 34 @40977 has 1 MA's), (35, 40980), (Start: 60 @41091 has 22 MA's), (Start: 66 @41112 has 1 MA's), (73, 41139), (76, 41154), (88, 41196), (Start: 110 @41247 has 1 MA's), (134, 41337), (141, 41352), (165, 41466), (194, 41568), (307, 41730), (318, 41775), (319, 41781), (320, 41784), (322, 41790), (328, 41820), (345, 41922), (361, 41979), (377, 42030), (384, 42066), (387, 42078), (395, 42111), (399, 42126), (453, 42276),

Gene: Marlia_46 Start: 40252, Stop: 41517, Start Num: 50

Candidate Starts for Marlia_46:

(41, 40222), (Start: 45 @40240 has 11 MA's), (47, 40243), (Start: 50 @40252 has 16 MA's), (Start: 60 @40294 has 22 MA's), (Start: 66 @40315 has 1 MA's), (73, 40342), (76, 40357), (88, 40399), (Start: 110 @40450 has 1 MA's), (134, 40540), (141, 40555), (165, 40669), (194, 40771), (307, 40933), (318, 40978), (319, 40984), (320, 40987), (322, 40993), (328, 41023), (345, 41125), (361, 41182), (377, 41233), (384, 41269), (387, 41281), (395, 41314), (399, 41329), (453, 41479),

Gene: Martik_30 Start: 26503, Stop: 27699, Start Num: 135

Candidate Starts for Martik_30:

(Start: 135 @26503 has 40 MA's), (156, 26587), (199, 26737), (218, 26791), (240, 26884), (248, 26932), (262, 27043), (266, 27064), (322, 27346), (325, 27367), (346, 27463), (359, 27508), (373, 27553), (380, 27577), (396, 27637),

Gene: Marvin_51 Start: 30191, Stop: 31570, Start Num: 75

Candidate Starts for Marvin_51:

(Start: 75 @30191 has 20 MA's), (103, 30248), (117, 30284), (122, 30308), (127, 30320), (161, 30443), (169, 30485), (190, 30557), (195, 30581), (199, 30587), (221, 30668), (242, 30737), (244, 30740), (248, 30776), (251, 30812), (262, 30884), (265, 30902), (266, 30905), (284, 31022), (291, 31052), (322, 31184), (325, 31205), (332, 31238), (345, 31292), (346, 31298), (380, 31418), (388, 31448), (394, 31469), (403, 31499),

Gene: Matsumoto_248 Start: 142401, Stop: 143831, Start Num: 112

Candidate Starts for Matsumoto_248:

(Start: 112 @142401 has 191 MA's), (138, 142491), (152, 142554), (185, 142677), (192, 142701), (219, 142785), (230, 142827), (241, 142869), (265, 143034), (266, 143037), (318, 143292), (326, 143331), (332, 143361), (346, 143424), (351, 143445), (352, 143454), (354, 143457), (365, 143490),

(371, 143505), (408, 143640), (431, 143715), (443, 143772), (444, 143775),

Gene: Mattes_30 Start: 26476, Stop: 27711, Start Num: 68

Candidate Starts for Mattes_30:

(Start: 68 @26476 has 192 MA's), (104, 26593), (128, 26665), (154, 26782), (155, 26785), (178, 26863), (200, 26944), (272, 26986), (286, 27064), (318, 27190), (342, 27310), (349, 27352), (361, 27388), (362, 27391), (377, 27442), (379, 27451), (418, 27565),

Gene: Maturis_244 Start: 142228, Stop: 143658, Start Num: 112

Candidate Starts for Maturis_244:

(99, 142201), (Start: 112 @142228 has 191 MA's), (138, 142318), (152, 142381), (185, 142504), (192, 142528), (219, 142612), (230, 142654), (241, 142696), (265, 142861), (266, 142864), (318, 143119), (326, 143158), (332, 143188), (346, 143251), (351, 143272), (352, 143281), (354, 143284), (365, 143317), (371, 143332), (408, 143467), (431, 143542), (444, 143602),

Gene: McGee_252 Start: 142747, Stop: 144177, Start Num: 112

Candidate Starts for McGee_252:

(Start: 112 @142747 has 191 MA's), (138, 142837), (152, 142900), (185, 143023), (192, 143047), (219, 143131), (230, 143173), (241, 143215), (265, 143380), (266, 143383), (318, 143638), (326, 143677), (332, 143707), (346, 143770), (351, 143791), (352, 143800), (354, 143803), (365, 143836), (371, 143851), (408, 143986), (431, 144061), (443, 144118), (444, 144121),

Gene: McWolfish_247 Start: 142408, Stop: 143838, Start Num: 112

Candidate Starts for McWolfish_247:

(Start: 112 @142408 has 191 MA's), (138, 142498), (152, 142561), (185, 142684), (192, 142708), (219, 142792), (230, 142834), (241, 142876), (265, 143041), (266, 143044), (318, 143299), (326, 143338), (332, 143368), (346, 143431), (351, 143452), (352, 143461), (354, 143464), (365, 143497), (371, 143512), (408, 143647), (431, 143722), (444, 143782),

Gene: Medindi_31 Start: 26340, Stop: 27506, Start Num: 68

Candidate Starts for Medindi_31:

(14, 26067), (17, 26070), (Start: 68 @26340 has 192 MA's), (91, 26424), (141, 26574), (151, 26628), (187, 26769), (287, 26850), (318, 26976), (319, 26982), (328, 27021), (338, 27081), (342, 27096), (349, 27138), (361, 27174), (362, 27177), (377, 27228), (379, 27237), (418, 27351),

Gene: Megamind_247 Start: 142733, Stop: 144163, Start Num: 112

Candidate Starts for Megamind_247:

(Start: 112 @142733 has 191 MA's), (138, 142823), (152, 142886), (185, 143009), (192, 143033), (219, 143117), (230, 143159), (241, 143201), (265, 143366), (266, 143369), (318, 143624), (326, 143663), (332, 143693), (346, 143756), (351, 143777), (352, 143786), (354, 143789), (365, 143822), (371, 143837), (408, 143972), (431, 144047), (443, 144104), (444, 144107),

Gene: Melissauren88_30 Start: 26514, Stop: 27668, Start Num: 68

Candidate Starts for Melissauren88_30:

(14, 26241), (17, 26244), (Start: 68 @26514 has 192 MA's), (91, 26598), (141, 26748), (151, 26802), (187, 26943), (287, 27024), (318, 27150), (319, 27156), (328, 27195), (338, 27255), (342, 27270), (349, 27312), (361, 27348), (362, 27351), (377, 27402), (379, 27411), (418, 27525), (452, 27636), (460, 27657),

Gene: Melpomini_245 Start: 141493, Stop: 142923, Start Num: 112

Candidate Starts for Melpomini_245:

(Start: 112 @141493 has 191 MA's), (138, 141583), (152, 141646), (185, 141769), (192, 141793), (219, 141877), (230, 141919), (241, 141961), (265, 142126), (266, 142129), (318, 142384), (326,

142423), (332, 142453), (346, 142516), (351, 142537), (352, 142546), (354, 142549), (365, 142582), (371, 142597), (408, 142732), (431, 142807), (443, 142864), (444, 142867),

Gene: MikeLiesIn_251 Start: 143869, Stop: 145299, Start Num: 112

Candidate Starts for MikeLiesIn_251:

(Start: 112 @143869 has 191 MA's), (138, 143959), (152, 144022), (185, 144145), (192, 144169), (219, 144253), (230, 144295), (241, 144337), (265, 144502), (266, 144505), (318, 144760), (326, 144799), (332, 144829), (346, 144892), (351, 144913), (352, 144922), (354, 144925), (365, 144958), (371, 144973), (408, 145108), (431, 145183), (443, 145240), (444, 145243),

Gene: Mikro_244 Start: 144312, Stop: 145742, Start Num: 112

Candidate Starts for Mikro_244:

(Start: 112 @144312 has 191 MA's), (138, 144402), (139, 144405), (152, 144465), (185, 144588), (192, 144612), (219, 144696), (230, 144738), (241, 144780), (265, 144945), (266, 144948), (318, 145203), (326, 145242), (332, 145272), (346, 145335), (351, 145356), (352, 145365), (354, 145368), (365, 145401), (371, 145416), (408, 145551), (431, 145626), (443, 145683), (444, 145686),

Gene: MilanaBonita_24 Start: 22445, Stop: 23599, Start Num: 68

Candidate Starts for MilanaBonita_24:

(Start: 68 @22445 has 192 MA's), (91, 22529), (141, 22679), (151, 22733), (187, 22874), (287, 22955), (318, 23081), (319, 23087), (328, 23126), (338, 23186), (342, 23201), (349, 23243), (361, 23279), (362, 23282), (377, 23333), (379, 23342), (418, 23456), (452, 23567), (460, 23588),

Gene: MilleniumForce_31 Start: 27306, Stop: 28460, Start Num: 68

Candidate Starts for MilleniumForce_31:

(14, 27033), (21, 27054), (Start: 68 @27306 has 192 MA's), (91, 27390), (141, 27540), (151, 27594), (187, 27735), (287, 27816), (318, 27942), (319, 27948), (328, 27987), (338, 28047), (342, 28062), (349, 28104), (361, 28140), (362, 28143), (377, 28194), (379, 28203), (418, 28317), (452, 28428), (460, 28449),

Gene: MinionDave_32 Start: 26855, Stop: 28102, Start Num: 68

Candidate Starts for MinionDave_32:

(Start: 68 @26855 has 192 MA's), (104, 26975), (128, 27047), (154, 27164), (155, 27167), (178, 27245), (200, 27326), (272, 27368), (286, 27446), (318, 27572), (319, 27578), (328, 27617), (338, 27677), (342, 27692), (349, 27734), (361, 27770), (362, 27773), (377, 27824), (379, 27833), (418, 27947), (432, 27989), (434, 27998), (452, 28058),

Gene: Minnie_32 Start: 27202, Stop: 28503, Start Num: 68

Candidate Starts for Minnie_32:

(Start: 68 @27202 has 192 MA's), (104, 27322), (128, 27394), (154, 27511), (155, 27514), (178, 27592), (200, 27673), (272, 27724), (307, 27901), (318, 27943), (320, 27952), (345, 28090), (418, 28321), (432, 28363), (434, 28372), (451, 28429), (452, 28432),

Gene: Misha28_31 Start: 26205, Stop: 27407, Start Num: 68

Candidate Starts for Misha28_31:

(Start: 68 @26205 has 192 MA's), (91, 26289), (141, 26439), (151, 26493), (187, 26634), (287, 26715), (318, 26841), (319, 26847), (320, 26850), (328, 26886), (342, 26961), (349, 27003), (361, 27039), (377, 27093), (379, 27102), (399, 27168), (418, 27225), (432, 27267), (434, 27276), (447, 27318), (451, 27333), (452, 27336),

Gene: MisterCuddles_31 Start: 26444, Stop: 27691, Start Num: 68

Candidate Starts for MisterCuddles_31:

(Start: 68 @26444 has 192 MA's), (104, 26564), (128, 26636), (154, 26753), (155, 26756), (178, 26834), (200, 26915), (272, 26957), (286, 27035), (318, 27161), (328, 27206), (338, 27266), (342, 27281), (349, 27323), (361, 27359), (377, 27413), (379, 27422), (418, 27536), (452, 27647),

Gene: Mithril_43 Start: 40570, Stop: 42306, Start Num: 79

Candidate Starts for Mithril_43:

(Start: 79 @40570 has 31 MA's), (109, 40645), (115, 40663), (120, 40684), (125, 40699), (143, 40771), (165, 40864), (185, 40936), (192, 40960), (215, 41047), (217, 41062), (255, 41251), (265, 41326), (276, 41407), (280, 41431), (281, 41434), (292, 41476), (319, 41587), (322, 41596), (324, 41605), (339, 41701), (346, 41740), (367, 41809), (377, 41833), (383, 41860), (390, 41890), (414, 41968), (420, 41992), (425, 42010), (426, 42013), (433, 42037), (441, 42082), (466, 42166),

Gene: MmasiCarm_46 Start: 40295, Stop: 41518, Start Num: 60

Candidate Starts for MmasiCarm_46:

(Start: 34 @40181 has 1 MA's), (35, 40184), (Start: 60 @40295 has 22 MA's), (Start: 66 @40316 has 1 MA's), (73, 40343), (76, 40358), (88, 40400), (Start: 110 @40451 has 1 MA's), (134, 40541), (141, 40556), (165, 40670), (194, 40772), (307, 40934), (318, 40979), (319, 40985), (320, 40988), (322, 40994), (328, 41024), (345, 41126), (361, 41183), (377, 41234), (384, 41270), (387, 41282), (395, 41315), (399, 41330), (453, 41480),

Gene: MoMoMixon_246 Start: 142828, Stop: 144258, Start Num: 112

Candidate Starts for MoMoMixon_246:

(Start: 112 @142828 has 191 MA's), (138, 142918), (139, 142921), (152, 142981), (185, 143104), (192, 143128), (219, 143212), (230, 143254), (241, 143296), (265, 143461), (266, 143464), (318, 143719), (326, 143758), (332, 143788), (346, 143851), (351, 143872), (352, 143881), (354, 143884), (365, 143917), (371, 143932), (408, 144067), (431, 144142), (443, 144199), (444, 144202),

Gene: Moby_247 Start: 141563, Stop: 142993, Start Num: 112

Candidate Starts for Moby_247:

(Start: 112 @141563 has 191 MA's), (138, 141653), (152, 141716), (185, 141839), (192, 141863), (219, 141947), (230, 141989), (241, 142031), (265, 142196), (266, 142199), (318, 142454), (326, 142493), (332, 142523), (346, 142586), (351, 142607), (352, 142616), (354, 142619), (365, 142652), (371, 142667), (408, 142802), (431, 142877), (444, 142937),

Gene: Modragons_30 Start: 26379, Stop: 27572, Start Num: 68

Candidate Starts for Modragons_30:

(Start: 68 @26379 has 192 MA's), (91, 26463), (141, 26613), (151, 26667), (187, 26808), (287, 26889), (318, 27015), (338, 27120), (342, 27135), (349, 27177), (361, 27213), (362, 27216), (377, 27267), (379, 27276), (418, 27390), (432, 27432), (434, 27441), (451, 27498), (452, 27501),

Gene: Moiqah_246 Start: 141540, Stop: 142970, Start Num: 112

Candidate Starts for Moiqah_246:

(Start: 112 @141540 has 191 MA's), (138, 141630), (152, 141693), (185, 141816), (192, 141840), (219, 141924), (230, 141966), (241, 142008), (265, 142173), (266, 142176), (318, 142431), (326, 142470), (332, 142500), (346, 142563), (351, 142584), (352, 142593), (354, 142596), (365, 142629), (371, 142644), (408, 142779), (431, 142854), (444, 142914),

Gene: Momo_252 Start: 141959, Stop: 143389, Start Num: 112

Candidate Starts for Momo_252:

(Start: 112 @141959 has 191 MA's), (138, 142049), (152, 142112), (185, 142235), (192, 142259), (219, 142343), (230, 142385), (241, 142427), (265, 142592), (266, 142595), (318, 142850), (326, 142889), (332, 142919), (346, 142982), (351, 143003), (352, 143012), (354, 143015), (365, 143048), (371, 143063), (408, 143198), (431, 143273), (443, 143330), (444, 143333),

Gene: Montpel_247 Start: 143111, Stop: 144541, Start Num: 112

Candidate Starts for Montpel_247:

(Start: 112 @143111 has 191 MA's), (138, 143201), (152, 143264), (185, 143387), (192, 143411), (219, 143495), (230, 143537), (241, 143579), (265, 143744), (266, 143747), (318, 144002), (326, 144041), (332, 144071), (346, 144134), (351, 144155), (352, 144164), (354, 144167), (365, 144200), (371, 144215), (408, 144350), (431, 144425), (444, 144485),

Gene: MooMoo_28 Start: 25459, Stop: 26733, Start Num: 100

Candidate Starts for MooMoo_28:

(13, 25009), (25, 25114), (Start: 100 @25459 has 18 MA's), (121, 25522), (142, 25579), (196, 25768), (198, 25771), (220, 25849), (239, 25930), (248, 25981), (252, 26020), (253, 26029), (266, 26107), (267, 26110), (280, 26215), (301, 26299), (322, 26386), (346, 26503), (351, 26524), (353, 26536), (372, 26581), (394, 26659), (396, 26668),

Gene: Moonbeam_31 Start: 26999, Stop: 28207, Start Num: 135

Candidate Starts for Moonbeam_31:

(41, 26726), (48, 26747), (Start: 135 @26999 has 40 MA's), (158, 27095), (164, 27119), (191, 27212), (192, 27215), (212, 27260), (238, 27389), (248, 27440), (262, 27551), (266, 27572), (322, 27854), (325, 27875), (346, 27971), (359, 28016), (380, 28085), (382, 28097), (396, 28145),

Gene: Mori_66 Start: 42238, Stop: 43458, Start Num: 131

Candidate Starts for Mori_66:

(Start: 131 @42238 has 32 MA's), (144, 42274), (156, 42325), (157, 42331), (158, 42334), (199, 42481), (218, 42535), (240, 42628), (248, 42676), (262, 42784), (266, 42805), (322, 43093), (346, 43210), (353, 43243), (359, 43255), (373, 43306), (380, 43330), (396, 43390), (411, 43435),

Gene: Morizzled23_248 Start: 141775, Stop: 143205, Start Num: 112

Candidate Starts for Morizzled23_248:

(Start: 112 @141775 has 191 MA's), (138, 141865), (152, 141928), (185, 142051), (192, 142075), (219, 142159), (230, 142201), (241, 142243), (265, 142408), (266, 142411), (318, 142666), (326, 142705), (332, 142735), (346, 142798), (351, 142819), (352, 142828), (354, 142831), (365, 142864), (371, 142879), (408, 143014), (431, 143089), (443, 143146), (444, 143149),

Gene: Mortcellus_45 Start: 40947, Stop: 42170, Start Num: 60

Candidate Starts for Mortcellus_45:

(Start: 34 @40833 has 1 MA's), (35, 40836), (Start: 60 @40947 has 22 MA's), (Start: 66 @40968 has 1 MA's), (73, 40995), (76, 41010), (88, 41052), (Start: 110 @41103 has 1 MA's), (134, 41193), (141, 41208), (165, 41322), (194, 41424), (307, 41586), (318, 41631), (319, 41637), (320, 41640), (322, 41646), (328, 41676), (345, 41778), (361, 41835), (377, 41886), (384, 41922), (387, 41934), (395, 41967), (399, 41982), (453, 42132),

Gene: Morty007_46 Start: 41112, Stop: 42314, Start Num: 66

Candidate Starts for Morty007_46:

(Start: 34 @40977 has 1 MA's), (35, 40980), (Start: 60 @41091 has 22 MA's), (Start: 66 @41112 has 1 MA's), (73, 41139), (76, 41154), (88, 41196), (Start: 110 @41247 has 1 MA's), (134, 41337), (141, 41352), (165, 41466), (194, 41568), (307, 41730), (318, 41775), (319, 41781), (320, 41784), (322, 41790), (328, 41820), (345, 41922), (361, 41979), (377, 42030), (384, 42066), (387, 42078), (395, 42111), (399, 42126), (453, 42276),

Gene: MosMoris_52 Start: 30124, Stop: 31503, Start Num: 75

Candidate Starts for MosMoris_52:

(Start: 75 @30124 has 20 MA's), (103, 30181), (117, 30217), (122, 30241), (127, 30253), (161, 30376), (169, 30418), (190, 30490), (195, 30514), (199, 30520), (221, 30601), (242, 30670), (244, 30673), (248, 30709), (251, 30745), (262, 30817), (265, 30835), (266, 30838), (284, 30955), (291, 30985), (322, 31117), (325, 31138), (332, 31171), (345, 31225), (346, 31231), (380, 31351), (388, 31381), (394, 31402), (403, 31432),

Gene: Mova_31 Start: 26196, Stop: 27350, Start Num: 68

Candidate Starts for Mova_31:

(Start: 68 @26196 has 192 MA's), (91, 26280), (141, 26430), (151, 26484), (187, 26625), (287, 26706), (318, 26832), (319, 26838), (328, 26877), (338, 26937), (342, 26952), (349, 26994), (361, 27030), (362, 27033), (377, 27084), (379, 27093), (418, 27207), (452, 27318), (460, 27339),

Gene: Mozy_31 Start: 26391, Stop: 27581, Start Num: 68

Candidate Starts for Mozy_31:

(Start: 68 @26391 has 192 MA's), (91, 26475), (141, 26625), (151, 26679), (174, 26772), (187, 26820), (287, 26898), (318, 27024), (319, 27030), (328, 27069), (342, 27144), (349, 27186), (361, 27222), (377, 27276), (379, 27285), (418, 27399), (432, 27441), (434, 27450), (451, 27507), (452, 27510),

Gene: MrMagoo_40 Start: 30898, Stop: 32313, Start Num: 55

Candidate Starts for MrMagoo_40:

(Start: 55 @30898 has 6 MA's), (69, 30952), (71, 30958), (78, 30988), (89, 31024), (148, 31225), (160, 31255), (163, 31273), (180, 31324), (182, 31339), (202, 31411), (204, 31417), (295, 31528), (304, 31555), (307, 31570), (328, 31645), (335, 31678), (343, 31729), (360, 31807), (410, 31984), (416, 32008), (418, 32011), (445, 32104), (451, 32125), (463, 32158), (475, 32218), (484, 32281),

Gene: Ms6_24 Start: 21977, Stop: 23131, Start Num: 68

Candidate Starts for Ms6_24:

(18, 21710), (Start: 68 @21977 has 192 MA's), (91, 22061), (141, 22211), (151, 22265), (187, 22406), (287, 22487), (318, 22613), (319, 22619), (328, 22658), (338, 22718), (342, 22733), (349, 22775), (361, 22811), (362, 22814), (377, 22865), (379, 22874), (418, 22988), (452, 23099), (460, 23120),

Gene: Mudslide_43 Start: 40826, Stop: 42562, Start Num: 79

Candidate Starts for Mudslide_43:

(Start: 79 @40826 has 31 MA's), (109, 40901), (115, 40919), (120, 40940), (125, 40955), (143, 41027), (165, 41120), (185, 41192), (192, 41216), (215, 41303), (217, 41318), (255, 41507), (265, 41582), (276, 41663), (280, 41687), (281, 41690), (291, 41726), (292, 41732), (319, 41843), (322, 41852), (324, 41861), (339, 41957), (346, 41996), (367, 42065), (377, 42089), (383, 42116), (390, 42146), (412, 42221), (414, 42224), (420, 42248), (425, 42266), (426, 42269), (433, 42293), (441, 42338), (466, 42422),

Gene: Mufasa_29 Start: 23220, Stop: 24878, Start Num: 95

Candidate Starts for Mufasa_29:

(Start: 95 @23220 has 4 MA's), (118, 23271), (119, 23274), (127, 23310), (138, 23346), (188, 23547), (197, 23577), (235, 23715), (249, 23787), (251, 23802), (261, 23868), (266, 23889), (280, 23991), (323, 24162), (330, 24198), (332, 24213), (346, 24276), (366, 24345), (377, 24378), (448, 24633), (481, 24783), (488, 24846),

Gene: Mulaychimus_46 Start: 40223, Stop: 41500, Start Num: 45

Candidate Starts for Mulaychimus_46:

(41, 40205), (Start: 45 @40223 has 11 MA's), (47, 40226), (Start: 50 @40235 has 16 MA's), (Start: 60 @40277 has 22 MA's), (Start: 66 @40298 has 1 MA's), (73, 40325), (76, 40340), (88, 40382), (Start: 110 @40433 has 1 MA's), (134, 40523), (141, 40538), (165, 40652), (194, 40754), (307, 40916), (318, 40961), (319, 40967), (320, 40970), (322, 40976), (328, 41006), (345, 41108), (361, 41165), (377,

41216), (384, 41252), (387, 41264), (395, 41297), (399, 41312), (453, 41462),

Gene: MulchExplorer_32 Start: 27454, Stop: 28644, Start Num: 68

Candidate Starts for MulchExplorer_32:

(Start: 68 @27454 has 192 MA's), (91, 27538), (141, 27688), (151, 27742), (187, 27883), (287, 27961), (318, 28087), (319, 28093), (328, 28132), (338, 28192), (342, 28207), (349, 28249), (361, 28285), (362, 28288), (377, 28339), (379, 28348), (418, 28462), (432, 28504), (434, 28513), (451, 28570), (452, 28573),

Gene: MulchSalad_27 Start: 22629, Stop: 23891, Start Num: 100

Candidate Starts for MulchSalad_27:

(Start: 100 @22629 has 18 MA's), (124, 22701), (142, 22749), (144, 22767), (196, 22938), (198, 22941), (239, 23100), (248, 23154), (266, 23280), (267, 23283), (280, 23388), (288, 23409), (301, 23472), (314, 23508), (322, 23535), (353, 23685), (359, 23697), (364, 23721), (373, 23745),

Gene: Murai_67 Start: 42419, Stop: 43639, Start Num: 131

Candidate Starts for Murai_67:

(Start: 131 @42419 has 32 MA's), (144, 42455), (156, 42506), (157, 42512), (158, 42515), (199, 42662), (218, 42716), (240, 42809), (248, 42857), (262, 42965), (266, 42986), (322, 43274), (346, 43391), (353, 43424), (359, 43436), (373, 43487), (380, 43511), (396, 43571), (411, 43616),

Gene: Mutaforma13_30 Start: 26510, Stop: 27781, Start Num: 68

Candidate Starts for Mutaforma13_30:

(Start: 68 @26510 has 192 MA's), (104, 26627), (128, 26699), (154, 26816), (155, 26819), (200, 26978), (272, 27020), (286, 27098), (318, 27224), (319, 27230), (320, 27233), (328, 27269), (333, 27299), (342, 27344), (349, 27386), (361, 27422), (377, 27476), (379, 27485), (418, 27599), (432, 27641), (434, 27650), (451, 27707), (452, 27710),

Gene: Mwanjiwa_30 Start: 26457, Stop: 27650, Start Num: 68

Candidate Starts for Mwanjiwa_30:

(14, 26184), (21, 26205), (Start: 68 @26457 has 192 MA's), (91, 26541), (141, 26691), (151, 26745), (187, 26886), (287, 26967), (318, 27093), (319, 27099), (328, 27138), (338, 27198), (342, 27213), (349, 27255), (361, 27291), (363, 27309), (377, 27345), (379, 27354), (418, 27468), (432, 27510), (434, 27519), (451, 27576), (452, 27579),

Gene: Naija_251 Start: 142662, Stop: 144092, Start Num: 112

Candidate Starts for Naija_251:

(Start: 112 @142662 has 191 MA's), (138, 142752), (152, 142815), (185, 142938), (192, 142962), (219, 143046), (230, 143088), (241, 143130), (265, 143295), (266, 143298), (318, 143553), (326, 143592), (332, 143622), (346, 143685), (351, 143706), (352, 143715), (354, 143718), (365, 143751), (371, 143766), (408, 143901), (431, 143976), (443, 144033), (444, 144036),

Gene: Nanao_42 Start: 39522, Stop: 41258, Start Num: 79

Candidate Starts for Nanao_42:

(Start: 79 @39522 has 31 MA's), (109, 39597), (115, 39615), (120, 39636), (125, 39651), (143, 39723), (165, 39816), (185, 39888), (192, 39912), (215, 39999), (217, 40014), (254, 40197), (265, 40278), (276, 40359), (280, 40383), (281, 40386), (292, 40428), (319, 40539), (322, 40548), (324, 40557), (339, 40653), (346, 40692), (367, 40761), (377, 40785), (383, 40812), (390, 40842), (414, 40920), (420, 40944), (425, 40962), (426, 40965), (433, 40989), (441, 41034), (466, 41118),

Gene: Nanosmite_40 Start: 30775, Stop: 32142, Start Num: 74

Candidate Starts for Nanosmite_40:

(40, 30640), (Start: 74 @30775 has 16 MA's), (89, 30832), (98, 30859), (114, 30898), (148, 31036), (150, 31045), (153, 31060), (176, 31144), (195, 31222), (202, 31240), (295, 31354), (304, 31381), (307, 31396), (328, 31471), (335, 31504), (345, 31573), (347, 31585), (359, 31627), (384, 31735), (410, 31813), (451, 31954), (457, 31972), (463, 31987), (471, 32017), (475, 32047), (479, 32086), (485, 32122),

Gene: Napoleon13_247 Start: 141691, Stop: 143121, Start Num: 112

Candidate Starts for Napoleon13_247:

(Start: 112 @141691 has 191 MA's), (138, 141781), (152, 141844), (185, 141967), (192, 141991), (219, 142075), (230, 142117), (241, 142159), (265, 142324), (266, 142327), (318, 142582), (326, 142621), (332, 142651), (346, 142714), (351, 142735), (352, 142744), (354, 142747), (365, 142780), (371, 142795), (408, 142930), (431, 143005), (443, 143062), (444, 143065),

Gene: Nappy_249 Start: 143768, Stop: 145198, Start Num: 112

Candidate Starts for Nappy_249:

(Start: 112 @143768 has 191 MA's), (138, 143858), (139, 143861), (152, 143921), (185, 144044), (192, 144068), (219, 144152), (230, 144194), (241, 144236), (265, 144401), (266, 144404), (318, 144659), (326, 144698), (332, 144728), (346, 144791), (351, 144812), (352, 144821), (354, 144824), (365, 144857), (371, 144872), (408, 145007), (431, 145082), (443, 145139), (444, 145142),

Gene: Naval22_257 Start: 144442, Stop: 145872, Start Num: 112

Candidate Starts for Naval22_257:

(Start: 112 @144442 has 191 MA's), (138, 144532), (139, 144535), (152, 144595), (185, 144718), (192, 144742), (219, 144826), (230, 144868), (241, 144910), (265, 145075), (266, 145078), (318, 145333), (326, 145372), (332, 145402), (346, 145465), (351, 145486), (352, 145495), (354, 145498), (365, 145531), (371, 145546), (408, 145681), (431, 145756), (443, 145813), (444, 145816),

Gene: Nebkiss_34 Start: 28982, Stop: 30292, Start Num: 123

Candidate Starts for Nebkiss_34:

(Start: 123 @28982 has 1 MA's), (146, 29072), (147, 29078), (165, 29147), (190, 29234), (203, 29273), (230, 29369), (235, 29399), (250, 29459), (251, 29468), (252, 29471), (265, 29552), (280, 29657), (283, 29663), (305, 29750), (306, 29756), (318, 29807), (323, 29825), (324, 29831), (325, 29843), (326, 29846), (329, 29855), (330, 29861), (346, 29954), (351, 29975), (369, 30014), (375, 30032), (391, 30101), (408, 30155), (413, 30167), (415, 30173), (419, 30188), (420, 30191), (437, 30257), (438, 30260),

Gene: NedWong_249 Start: 143120, Stop: 144550, Start Num: 112

Candidate Starts for NedWong_249:

(Start: 112 @143120 has 191 MA's), (138, 143210), (152, 143273), (185, 143396), (192, 143420), (219, 143504), (230, 143546), (241, 143588), (265, 143753), (266, 143756), (318, 144011), (326, 144050), (332, 144080), (346, 144143), (351, 144164), (352, 144173), (354, 144176), (365, 144209), (371, 144224), (408, 144359), (431, 144434), (443, 144491), (444, 144494),

Gene: Neos5_46 Start: 41052, Stop: 42329, Start Num: 45

Candidate Starts for Neos5_46:

(41, 41034), (Start: 45 @41052 has 11 MA's), (47, 41055), (Start: 50 @41064 has 16 MA's), (Start: 60 @41106 has 22 MA's), (Start: 66 @41127 has 1 MA's), (73, 41154), (76, 41169), (88, 41211), (Start: 110 @41262 has 1 MA's), (134, 41352), (141, 41367), (165, 41481), (194, 41583), (307, 41745), (318, 41790), (319, 41796), (320, 41799), (322, 41805), (328, 41835), (345, 41937), (361, 41994), (377, 42045), (384, 42081), (387, 42093), (395, 42126), (399, 42141), (453, 42291),

Gene: Ngannou_245 Start: 141644, Stop: 143074, Start Num: 112

Candidate Starts for Ngannou_245:

(Start: 112 @141644 has 191 MA's), (138, 141734), (152, 141797), (185, 141920), (192, 141944), (219, 142028), (230, 142070), (241, 142112), (265, 142277), (266, 142280), (318, 142535), (326, 142574), (332, 142604), (346, 142667), (351, 142688), (352, 142697), (354, 142700), (365, 142733), (371, 142748), (408, 142883), (431, 142958), (443, 143015), (444, 143018),

Gene: Nichirin_30 Start: 26482, Stop: 27756, Start Num: 68

Candidate Starts for Nichirin_30:

(Start: 68 @26482 has 192 MA's), (104, 26602), (128, 26674), (154, 26791), (155, 26794), (178, 26872), (200, 26953), (272, 26995), (286, 27073), (318, 27199), (338, 27304), (342, 27319), (349, 27361), (361, 27397), (362, 27400), (377, 27451), (379, 27460), (418, 27574), (432, 27616), (434, 27625), (451, 27682), (452, 27685),

Gene: Nidhogg_251 Start: 143488, Stop: 144918, Start Num: 112

Candidate Starts for Nidhogg_251:

(Start: 112 @143488 has 191 MA's), (138, 143578), (139, 143581), (152, 143641), (185, 143764), (192, 143788), (219, 143872), (230, 143914), (241, 143956), (265, 144121), (266, 144124), (318, 144379), (326, 144418), (332, 144448), (346, 144511), (351, 144532), (352, 144541), (354, 144544), (365, 144577), (371, 144592), (408, 144727), (431, 144802), (443, 144859), (444, 144862),

Gene: NiebruSaylor_65 Start: 41626, Stop: 42846, Start Num: 131

Candidate Starts for NiebruSaylor_65:

(Start: 131 @41626 has 32 MA's), (144, 41662), (156, 41713), (157, 41719), (158, 41722), (199, 41869), (218, 41923), (240, 42016), (248, 42064), (262, 42172), (266, 42193), (322, 42481), (346, 42598), (353, 42631), (359, 42643), (373, 42694), (380, 42718), (396, 42778), (411, 42823),

Gene: Nigel_42 Start: 39419, Stop: 41152, Start Num: 79

Candidate Starts for Nigel_42:

(53, 39323), (Start: 79 @39419 has 31 MA's), (109, 39494), (115, 39512), (120, 39533), (121, 39536), (125, 39548), (143, 39620), (165, 39713), (185, 39785), (192, 39809), (215, 39896), (217, 39911), (247, 40031), (255, 40100), (265, 40175), (276, 40256), (280, 40280), (281, 40283), (319, 40436), (322, 40445), (346, 40589), (367, 40655), (377, 40679), (383, 40706), (390, 40736), (412, 40811), (425, 40856), (426, 40859), (433, 40883), (446, 40946), (466, 41012), (472, 41030),

Gene: Nimbo_30 Start: 26331, Stop: 27524, Start Num: 68

Candidate Starts for Nimbo_30:

(Start: 68 @26331 has 192 MA's), (91, 26415), (141, 26565), (151, 26619), (187, 26760), (287, 26841), (318, 26967), (328, 27012), (342, 27087), (349, 27129), (361, 27165), (362, 27168), (377, 27219), (379, 27228), (418, 27342), (432, 27384), (434, 27393), (451, 27450), (452, 27453),

Gene: Nitzel_31 Start: 27046, Stop: 28239, Start Num: 68

Candidate Starts for Nitzel_31:

(Start: 68 @27046 has 192 MA's), (91, 27130), (141, 27280), (151, 27334), (187, 27475), (287, 27556), (318, 27682), (319, 27688), (328, 27727), (342, 27802), (349, 27844), (361, 27880), (377, 27934), (379, 27943), (418, 28057), (432, 28099), (434, 28108), (451, 28165), (452, 28168),

Gene: Nivrat_30 Start: 26475, Stop: 27671, Start Num: 135

Candidate Starts for Nivrat_30:

(Start: 135 @26475 has 40 MA's), (156, 26559), (199, 26709), (218, 26763), (240, 26856), (248, 26904), (262, 27015), (266, 27036), (322, 27318), (325, 27339), (346, 27435), (359, 27480), (373, 27525), (380, 27549), (396, 27609),

Gene: NoodleTree_246 Start: 138239, Stop: 139669, Start Num: 112

Candidate Starts for NoodleTree_246:

(Start: 112 @138239 has 191 MA's), (138, 138329), (139, 138332), (152, 138392), (185, 138515), (192, 138539), (219, 138623), (230, 138665), (241, 138707), (265, 138872), (266, 138875), (318, 139130), (326, 139169), (332, 139199), (346, 139262), (351, 139283), (352, 139292), (354, 139295), (365, 139328), (371, 139343), (408, 139478), (431, 139553), (444, 139613),

Gene: Norm_250 Start: 143389, Stop: 144819, Start Num: 112

Candidate Starts for Norm_250:

(Start: 112 @143389 has 191 MA's), (138, 143479), (152, 143542), (185, 143665), (192, 143689), (219, 143773), (230, 143815), (241, 143857), (265, 144022), (266, 144025), (318, 144280), (326, 144319), (332, 144349), (346, 144412), (351, 144433), (352, 144442), (354, 144445), (365, 144478), (371, 144493), (408, 144628), (431, 144703), (443, 144760), (444, 144763),

Gene: NormanBulbieJr_30 Start: 26490, Stop: 27686, Start Num: 135

Candidate Starts for NormanBulbieJr_30:

(Start: 135 @26490 has 40 MA's), (156, 26574), (199, 26724), (218, 26778), (240, 26871), (248, 26919), (262, 27030), (266, 27051), (322, 27333), (325, 27354), (346, 27450), (359, 27495), (373, 27540), (380, 27564), (396, 27624),

Gene: Nozo_46 Start: 41071, Stop: 42294, Start Num: 60

Candidate Starts for Nozo_46:

(41, 40999), (Start: 45 @41017 has 11 MA's), (47, 41020), (Start: 50 @41029 has 16 MA's), (Start: 60 @41071 has 22 MA's), (Start: 66 @41092 has 1 MA's), (73, 41119), (76, 41134), (88, 41176), (Start: 110 @41227 has 1 MA's), (134, 41317), (141, 41332), (165, 41446), (194, 41548), (307, 41710), (318, 41755), (319, 41761), (320, 41764), (322, 41770), (328, 41800), (345, 41902), (361, 41959), (377, 42010), (384, 42046), (387, 42058), (395, 42091), (399, 42106), (453, 42256),

Gene: NuevoMundo_252 Start: 143875, Stop: 145305, Start Num: 112

Candidate Starts for NuevoMundo_252:

(Start: 112 @143875 has 191 MA's), (138, 143965), (152, 144028), (185, 144151), (192, 144175), (219, 144259), (230, 144301), (241, 144343), (265, 144508), (266, 144511), (318, 144766), (326, 144805), (332, 144835), (346, 144898), (351, 144919), (352, 144928), (354, 144931), (365, 144964), (371, 144979), (408, 145114), (431, 145189), (443, 145246), (444, 145249),

Gene: Obutu_46 Start: 40295, Stop: 41518, Start Num: 60

Candidate Starts for Obutu_46:

(Start: 34 @40181 has 1 MA's), (35, 40184), (Start: 60 @40295 has 22 MA's), (Start: 66 @40316 has 1 MA's), (73, 40343), (76, 40358), (88, 40400), (Start: 110 @40451 has 1 MA's), (134, 40541), (141, 40556), (165, 40670), (194, 40772), (307, 40934), (318, 40979), (319, 40985), (320, 40988), (322, 40994), (328, 41024), (345, 41126), (361, 41183), (377, 41234), (384, 41270), (387, 41282), (395, 41315), (399, 41330), (453, 41480),

Gene: Ochi17_28 Start: 25986, Stop: 27179, Start Num: 68

Candidate Starts for Ochi17_28:

(Start: 68 @25986 has 192 MA's), (91, 26070), (141, 26220), (151, 26274), (187, 26415), (287, 26496), (318, 26622), (338, 26727), (342, 26742), (349, 26784), (361, 26820), (362, 26823), (377, 26874), (379, 26883), (418, 26997), (432, 27039), (434, 27048), (451, 27105), (452, 27108),

Gene: OfUltron_30 Start: 26535, Stop: 27728, Start Num: 68

Candidate Starts for OfUltron_30:

(Start: 68 @26535 has 192 MA's), (91, 26619), (141, 26769), (151, 26823), (187, 26964), (287, 27045), (318, 27171), (338, 27276), (342, 27291), (349, 27333), (361, 27369), (362, 27372), (377, 27423), (379, 27432), (418, 27546), (432, 27588), (434, 27597), (451, 27654), (452, 27657),

Gene: Ogoopogo_30 Start: 25685, Stop: 26878, Start Num: 68

Candidate Starts for Ogoopogo_30:

(Start: 68 @25685 has 192 MA's), (91, 25769), (141, 25919), (151, 25973), (187, 26114), (287, 26195), (318, 26321), (319, 26327), (320, 26330), (342, 26441), (349, 26483), (362, 26522), (363, 26537), (377, 26573), (379, 26582), (418, 26696), (432, 26738), (434, 26747), (451, 26804), (452, 26807),

Gene: OhShagHennessy_25 Start: 24340, Stop: 25512, Start Num: 61

Candidate Starts for OhShagHennessy_25:

(54, 24310), (Start: 61 @24340 has 30 MA's), (194, 24787), (287, 24865), (296, 24910), (318, 24985), (328, 25030), (342, 25105), (345, 25132), (349, 25150), (361, 25186), (362, 25189), (379, 25249), (395, 25300), (399, 25315), (430, 25384), (436, 25408),

Gene: Okabe_30 Start: 23374, Stop: 24567, Start Num: 68

Candidate Starts for Okabe_30:

(Start: 68 @23374 has 192 MA's), (91, 23458), (141, 23608), (151, 23662), (187, 23803), (287, 23884), (318, 24010), (319, 24016), (328, 24055), (342, 24130), (349, 24172), (361, 24208), (362, 24211), (377, 24262), (379, 24271), (418, 24385), (432, 24427), (434, 24436), (451, 24493), (452, 24496),

Gene: Oksu_31 Start: 26379, Stop: 27572, Start Num: 68

Candidate Starts for Oksu_31:

(Start: 68 @26379 has 192 MA's), (91, 26463), (141, 26613), (151, 26667), (187, 26808), (287, 26889), (318, 27015), (338, 27120), (342, 27135), (349, 27177), (361, 27213), (362, 27216), (377, 27267), (379, 27276), (418, 27390), (432, 27432), (434, 27441), (451, 27498), (452, 27501),

Gene: OldBen_30 Start: 26283, Stop: 27554, Start Num: 68

Candidate Starts for OldBen_30:

(Start: 68 @26283 has 192 MA's), (104, 26400), (128, 26472), (154, 26589), (155, 26592), (178, 26670), (200, 26751), (272, 26793), (286, 26871), (318, 26997), (319, 27003), (320, 27006), (342, 27117), (349, 27159), (362, 27198), (363, 27213), (377, 27249), (379, 27258), (418, 27372), (432, 27414), (451, 27480), (452, 27483),

Gene: Olivio_45 Start: 40164, Stop: 41387, Start Num: 60

Candidate Starts for Olivio_45:

(Start: 34 @40050 has 1 MA's), (35, 40053), (Start: 60 @40164 has 22 MA's), (Start: 66 @40185 has 1 MA's), (73, 40212), (76, 40227), (88, 40269), (Start: 110 @40320 has 1 MA's), (134, 40410), (141, 40425), (165, 40539), (194, 40641), (307, 40803), (318, 40848), (319, 40854), (320, 40857), (322, 40863), (328, 40893), (345, 40995), (361, 41052), (377, 41103), (384, 41139), (387, 41151), (395, 41184), (399, 41199), (453, 41349),

Gene: OlympiaSaint_30 Start: 26699, Stop: 27970, Start Num: 68

Candidate Starts for OlympiaSaint_30:

(Start: 68 @26699 has 192 MA's), (104, 26816), (128, 26888), (154, 27005), (155, 27008), (178, 27086), (200, 27167), (272, 27209), (286, 27287), (318, 27413), (338, 27518), (342, 27533), (349, 27575), (361, 27611), (362, 27614), (377, 27665), (379, 27674), (418, 27788), (432, 27830), (434, 27839), (451, 27896), (452, 27899),

Gene: OrangeOswald_46 Start: 40258, Stop: 41535, Start Num: 45

Candidate Starts for OrangeOswald_46:

(41, 40240), (Start: 45 @40258 has 11 MA's), (47, 40261), (Start: 50 @40270 has 16 MA's), (Start: 60 @40312 has 22 MA's), (Start: 66 @40333 has 1 MA's), (73, 40360), (76, 40375), (88, 40417), (Start: 110 @40468 has 1 MA's), (134, 40558), (141, 40573), (165, 40687), (194, 40789), (307, 40951), (318, 40996), (319, 41002), (320, 41005), (322, 41011), (328, 41041), (345, 41143), (361, 41200), (377, 41251), (384, 41287), (387, 41299), (395, 41332), (399, 41347), (453, 41497),

Gene: OrediggerDelux_252 Start: 144064, Stop: 145494, Start Num: 112

Candidate Starts for OrediggerDelux_252:

(Start: 112 @144064 has 191 MA's), (138, 144154), (152, 144217), (185, 144340), (192, 144364), (219, 144448), (230, 144490), (241, 144532), (265, 144697), (266, 144700), (318, 144955), (326, 144994), (332, 145024), (346, 145087), (351, 145108), (352, 145117), (354, 145120), (365, 145153), (371, 145168), (408, 145303), (431, 145378), (443, 145435), (444, 145438),

Gene: Ovechkin_30 Start: 26501, Stop: 27664, Start Num: 68

Candidate Starts for Ovechkin_30:

(14, 26228), (17, 26231), (Start: 68 @26501 has 192 MA's), (91, 26585), (141, 26735), (151, 26789), (187, 26930), (287, 27008), (318, 27134), (319, 27140), (328, 27179), (338, 27239), (342, 27254), (349, 27296), (361, 27332), (362, 27335), (363, 27350), (377, 27386), (379, 27395), (418, 27509), (452, 27620),

Gene: OwlsT2W_31 Start: 26780, Stop: 27949, Start Num: 68

Candidate Starts for OwlsT2W_31:

(Start: 68 @26780 has 192 MA's), (91, 26864), (141, 27014), (151, 27068), (187, 27209), (307, 27386), (318, 27428), (320, 27437), (434, 27857), (452, 27917), (461, 27938),

Gene: PHappiness_30 Start: 26304, Stop: 27497, Start Num: 68

Candidate Starts for PHappiness_30:

(10, 25938), (Start: 68 @26304 has 192 MA's), (91, 26388), (141, 26538), (151, 26592), (187, 26733), (287, 26814), (318, 26940), (328, 26985), (342, 27060), (349, 27102), (361, 27138), (362, 27141), (377, 27192), (379, 27201), (418, 27315), (432, 27357), (434, 27366), (451, 27423), (452, 27426),

Gene: PMC_30 Start: 26306, Stop: 27499, Start Num: 68

Candidate Starts for PMC_30:

(Start: 68 @26306 has 192 MA's), (91, 26390), (141, 26540), (151, 26594), (187, 26735), (287, 26816), (318, 26942), (319, 26948), (342, 27062), (349, 27104), (361, 27140), (363, 27158), (377, 27194), (379, 27203), (418, 27317), (432, 27359), (434, 27368), (451, 27425), (452, 27428),

Gene: PYPDinur_25 Start: 24174, Stop: 25346, Start Num: 61

Candidate Starts for PYPDinur_25:

(Start: 61 @24174 has 30 MA's), (Start: 64 @24183 has 1 MA's), (165, 24549), (193, 24618), (287, 24699), (318, 24819), (345, 24966), (349, 24984), (361, 25020), (379, 25083), (399, 25149), (429, 25215), (430, 25218),

Gene: Pacc40_30 Start: 26481, Stop: 27689, Start Num: 135

Candidate Starts for Pacc40_30:

(Start: 135 @26481 has 40 MA's), (158, 26577), (164, 26601), (191, 26694), (192, 26697), (212, 26742), (238, 26871), (248, 26922), (262, 27033), (266, 27054), (322, 27336), (325, 27357), (346, 27453), (359, 27498), (373, 27543), (380, 27567), (396, 27627),

Gene: ParkTD_249 Start: 142959, Stop: 144389, Start Num: 112

Candidate Starts for ParkTD_249:

(Start: 112 @142959 has 191 MA's), (138, 143049), (152, 143112), (185, 143235), (192, 143259), (219, 143343), (230, 143385), (241, 143427), (265, 143592), (266, 143595), (318, 143850), (326, 143889), (332, 143919), (346, 143982), (351, 144003), (352, 144012), (354, 144015), (365, 144048), (371, 144063), (408, 144198), (431, 144273), (443, 144330), (444, 144333),

Gene: Patience_41 Start: 34399, Stop: 35790, Start Num: 51

Candidate Starts for Patience_41:

(Start: 51 @34399 has 3 MA's), (Start: 60 @34438 has 22 MA's), (70, 34474), (84, 34534), (92, 34564), (130, 34681), (140, 34705), (166, 34822), (181, 34867), (274, 34942), (276, 34951), (299, 35038), (322, 35110), (337, 35197), (342, 35215), (356, 35287), (361, 35299), (377, 35353), (380, 35365), (384, 35389), (407, 35467), (417, 35500), (423, 35515), (439, 35584), (456, 35623), (468, 35662), (474, 35683), (486, 35782),

Gene: PatoPoderoso_30 Start: 26519, Stop: 27715, Start Num: 135

Candidate Starts for PatoPoderoso_30:

(47, 26267), (Start: 135 @26519 has 40 MA's), (156, 26603), (199, 26753), (218, 26807), (240, 26900), (248, 26948), (262, 27059), (266, 27080), (322, 27362), (325, 27383), (346, 27479), (359, 27524), (373, 27569), (380, 27593), (396, 27653),

Gene: Patter_252 Start: 142619, Stop: 144049, Start Num: 112

Candidate Starts for Patter_252:

(Start: 112 @142619 has 191 MA's), (138, 142709), (139, 142712), (152, 142772), (185, 142895), (192, 142919), (219, 143003), (230, 143045), (241, 143087), (265, 143252), (266, 143255), (318, 143510), (326, 143549), (332, 143579), (346, 143642), (351, 143663), (352, 143672), (354, 143675), (365, 143708), (371, 143723), (408, 143858), (431, 143933), (443, 143990), (444, 143993),

Gene: PegLeg_35 Start: 29798, Stop: 31165, Start Num: 74

Candidate Starts for PegLeg_35:

(Start: 74 @29798 has 16 MA's), (89, 29855), (98, 29882), (114, 29921), (148, 30059), (153, 30083), (173, 30161), (176, 30167), (177, 30170), (195, 30245), (295, 30377), (304, 30404), (306, 30413), (323, 30467), (328, 30494), (333, 30524), (343, 30578), (359, 30650), (410, 30836), (445, 30956), (451, 30977), (457, 30995), (463, 31010), (471, 31040), (475, 31070), (478, 31106), (479, 31109), (485, 31145),

Gene: PenguinLover67_49 Start: 42209, Stop: 43822, Start Num: 100

Candidate Starts for PenguinLover67_49:

(2, 41603), (29, 41942), (39, 41990), (Start: 100 @42209 has 18 MA's), (133, 42314), (Start: 135 @42317 has 40 MA's), (136, 42323), (138, 42326), (162, 42428), (183, 42500), (185, 42512), (231, 42695), (234, 42710), (237, 42722), (245, 42743), (251, 42812), (265, 42896), (276, 42977), (280, 43001), (288, 43022), (300, 43082), (319, 43145), (322, 43154), (324, 43163), (346, 43292), (351, 43313), (367, 43364), (370, 43370), (378, 43397), (383, 43424), (397, 43475), (400, 43487), (402, 43493), (426, 43577),

Gene: Peridot_35 Start: 27744, Stop: 29018, Start Num: 68

Candidate Starts for Peridot_35:

(Start: 68 @27744 has 192 MA's), (104, 27864), (128, 27936), (154, 28053), (155, 28056), (178, 28134), (200, 28215), (272, 28257), (286, 28335), (318, 28461), (338, 28566), (342, 28581), (349, 28623), (361, 28659), (362, 28662), (377, 28713), (379, 28722), (418, 28836), (432, 28878), (434, 28887), (451, 28944), (452, 28947),

Gene: Phaedrus_44 Start: 40388, Stop: 41455, Start Num: 110

Candidate Starts for Phaedrus_44:

(41, 40160), (Start: 45 @40178 has 11 MA's), (47, 40181), (Start: 50 @40190 has 16 MA's), (Start: 60 @40232 has 22 MA's), (Start: 66 @40253 has 1 MA's), (73, 40280), (76, 40295), (88, 40337), (Start: 110 @40388 has 1 MA's), (134, 40478), (141, 40493), (165, 40607), (194, 40709), (307, 40871), (318, 40916), (319, 40922), (320, 40925), (322, 40931), (328, 40961), (345, 41063), (361, 41120), (377, 41171), (384, 41207), (387, 41219), (395, 41252), (399, 41267), (453, 41417),

Gene: Phalconet_30 Start: 26423, Stop: 27631, Start Num: 135

Candidate Starts for Phalconet_30:

(41, 26147), (48, 26168), (Start: 135 @26423 has 40 MA's), (158, 26519), (164, 26543), (191, 26636), (192, 26639), (212, 26684), (238, 26813), (248, 26864), (262, 26975), (266, 26996), (322, 27278), (325, 27299), (346, 27395), (359, 27440), (373, 27485), (380, 27509), (396, 27569),

Gene: Phanphagia_27 Start: 25503, Stop: 26657, Start Num: 68

Candidate Starts for Phanphagia_27:

(14, 25230), (21, 25251), (Start: 68 @25503 has 192 MA's), (91, 25587), (141, 25737), (151, 25791), (187, 25932), (287, 26013), (318, 26139), (319, 26145), (328, 26184), (338, 26244), (342, 26259), (349, 26301), (361, 26337), (362, 26340), (377, 26391), (379, 26400), (418, 26514), (452, 26625), (460, 26646),

Gene: PharkleMinkus_251 Start: 142012, Stop: 143442, Start Num: 112

Candidate Starts for PharkleMinkus_251:

(Start: 112 @142012 has 191 MA's), (138, 142102), (152, 142165), (185, 142288), (192, 142312), (219, 142396), (230, 142438), (241, 142480), (265, 142645), (266, 142648), (318, 142903), (326, 142942), (332, 142972), (346, 143035), (351, 143056), (352, 143065), (354, 143068), (365, 143101), (371, 143116), (408, 143251), (431, 143326), (443, 143383), (444, 143386),

Gene: Phasih_31 Start: 26881, Stop: 28074, Start Num: 68

Candidate Starts for Phasih_31:

(Start: 68 @26881 has 192 MA's), (91, 26965), (141, 27115), (151, 27169), (187, 27310), (287, 27391), (318, 27517), (319, 27523), (320, 27526), (328, 27562), (342, 27637), (349, 27679), (361, 27715), (379, 27778), (418, 27892), (432, 27934), (434, 27943), (451, 28000), (452, 28003),

Gene: Phatniss_31 Start: 26823, Stop: 28016, Start Num: 68

Candidate Starts for Phatniss_31:

(Start: 68 @26823 has 192 MA's), (91, 26907), (141, 27057), (151, 27111), (187, 27252), (287, 27333), (318, 27459), (319, 27465), (342, 27579), (349, 27621), (361, 27657), (363, 27675), (377, 27711), (379, 27720), (418, 27834), (432, 27876), (434, 27885), (451, 27942), (452, 27945),

Gene: Phayeta_47 Start: 40177, Stop: 41400, Start Num: 60

Candidate Starts for Phayeta_47:

(Start: 34 @40063 has 1 MA's), (35, 40066), (Start: 60 @40177 has 22 MA's), (Start: 66 @40198 has 1 MA's), (73, 40225), (76, 40240), (88, 40282), (Start: 110 @40333 has 1 MA's), (134, 40423), (141, 40438), (165, 40552), (194, 40654), (307, 40816), (318, 40861), (319, 40867), (320, 40870), (322, 40876), (328, 40906), (345, 41008), (361, 41065), (377, 41116), (384, 41152), (387, 41164), (395, 41197), (399, 41212), (453, 41362),

Gene: PhesterPhotato_30 Start: 26343, Stop: 27551, Start Num: 135

Candidate Starts for PhesterPhotato_30:

(41, 26067), (48, 26088), (Start: 135 @26343 has 40 MA's), (158, 26439), (164, 26463), (191, 26556), (192, 26559), (212, 26604), (238, 26733), (248, 26784), (262, 26895), (266, 26916), (322, 27198), (325, 27219), (346, 27315), (359, 27360), (373, 27405), (380, 27429), (396, 27489),

Gene: Philly_45 Start: 40109, Stop: 41386, Start Num: 45

Candidate Starts for Philly_45:

(41, 40091), (Start: 45 @40109 has 11 MA's), (47, 40112), (Start: 50 @40121 has 16 MA's), (Start: 60 @40163 has 22 MA's), (Start: 66 @40184 has 1 MA's), (73, 40211), (76, 40226), (88, 40268), (Start: 110 @40319 has 1 MA's), (134, 40409), (141, 40424), (165, 40538), (194, 40640), (307, 40802), (318, 40847), (319, 40853), (320, 40856), (322, 40862), (328, 40892), (345, 40994), (361, 41051), (377, 41102), (384, 41138), (387, 41150), (395, 41183), (399, 41198), (453, 41348),

Gene: Philus_30 Start: 26322, Stop: 27593, Start Num: 68

Candidate Starts for Philus_30:

(Start: 68 @26322 has 192 MA's), (104, 26439), (128, 26511), (154, 26628), (155, 26631), (178, 26709), (200, 26790), (272, 26832), (286, 26910), (318, 27036), (338, 27141), (342, 27156), (349, 27198), (361, 27234), (362, 27237), (377, 27288), (379, 27297), (418, 27411), (432, 27453), (434, 27462), (451, 27519), (452, 27522),

Gene: Phlegm_255 Start: 143365, Stop: 144795, Start Num: 112

Candidate Starts for Phlegm_255:

(Start: 112 @143365 has 191 MA's), (138, 143455), (152, 143518), (185, 143641), (192, 143665), (219, 143749), (230, 143791), (241, 143833), (265, 143998), (266, 144001), (318, 144256), (326, 144295), (332, 144325), (346, 144388), (351, 144409), (352, 144418), (354, 144421), (365, 144454), (371, 144469), (408, 144604), (431, 144679), (443, 144736), (444, 144739),

Gene: PhlipPhlop_31 Start: 27860, Stop: 29131, Start Num: 68

Candidate Starts for PhlipPhlop_31:

(Start: 68 @27860 has 192 MA's), (104, 27977), (128, 28049), (154, 28166), (155, 28169), (178, 28247), (200, 28328), (272, 28370), (286, 28448), (318, 28574), (338, 28679), (342, 28694), (349, 28736), (361, 28772), (362, 28775), (377, 28826), (379, 28835), (418, 28949), (432, 28991), (434, 29000), (451, 29057), (452, 29060),

Gene: Phlyer_46 Start: 41009, Stop: 42274, Start Num: 50

Candidate Starts for Phlyer_46:

(41, 40979), (Start: 45 @40997 has 11 MA's), (47, 41000), (Start: 50 @41009 has 16 MA's), (Start: 60 @41051 has 22 MA's), (Start: 66 @41072 has 1 MA's), (73, 41099), (76, 41114), (88, 41156), (Start: 110 @41207 has 1 MA's), (134, 41297), (141, 41312), (165, 41426), (194, 41528), (307, 41690), (318, 41735), (319, 41741), (320, 41744), (322, 41750), (328, 41780), (345, 41882), (361, 41939), (377, 41990), (384, 42026), (387, 42038), (395, 42071), (399, 42086), (453, 42236),

Gene: Phox_251 Start: 142614, Stop: 144044, Start Num: 112

Candidate Starts for Phox_251:

(Start: 112 @142614 has 191 MA's), (138, 142704), (152, 142767), (185, 142890), (192, 142914), (219, 142998), (230, 143040), (241, 143082), (265, 143247), (266, 143250), (318, 143505), (326, 143544), (332, 143574), (346, 143637), (351, 143658), (352, 143667), (354, 143670), (365, 143703), (371, 143718), (408, 143853), (431, 143928), (443, 143985), (444, 143988),

Gene: Phusco_249 Start: 142197, Stop: 143627, Start Num: 112

Candidate Starts for Phusco_249:

(Start: 112 @142197 has 191 MA's), (138, 142287), (152, 142350), (185, 142473), (192, 142497), (219, 142581), (230, 142623), (241, 142665), (265, 142830), (266, 142833), (318, 143088), (326, 143127), (332, 143157), (346, 143220), (351, 143241), (352, 143250), (354, 143253), (365, 143286), (371, 143301), (408, 143436), (431, 143511), (443, 143568), (444, 143571),

Gene: Pier_249 Start: 143490, Stop: 144920, Start Num: 112

Candidate Starts for Pier_249:

(Start: 112 @143490 has 191 MA's), (138, 143580), (152, 143643), (185, 143766), (192, 143790), (219, 143874), (230, 143916), (241, 143958), (265, 144123), (266, 144126), (318, 144381), (326, 144420), (332, 144450), (346, 144513), (351, 144534), (352, 144543), (354, 144546), (365, 144579), (371, 144594), (408, 144729), (431, 144804), (443, 144861), (444, 144864),

Gene: Pinkcreek_230 Start: 139816, Stop: 141246, Start Num: 112

Candidate Starts for Pinkcreek_230:

(93, 139774), (Start: 112 @139816 has 191 MA's), (138, 139906), (152, 139969), (185, 140092), (192, 140116), (219, 140200), (230, 140242), (241, 140284), (265, 140449), (266, 140452), (318, 140707),

(326, 140746), (332, 140776), (346, 140839), (351, 140860), (352, 140869), (354, 140872), (365, 140905), (371, 140920), (408, 141055), (431, 141130), (444, 141190),

Gene: Pio_257 Start: 144693, Stop: 146123, Start Num: 112

Candidate Starts for Pio_257:

(Start: 112 @144693 has 191 MA's), (138, 144783), (152, 144846), (185, 144969), (192, 144993), (219, 145077), (230, 145119), (241, 145161), (265, 145326), (266, 145329), (318, 145584), (326, 145623), (332, 145653), (346, 145716), (351, 145737), (352, 145746), (354, 145749), (365, 145782), (371, 145797), (408, 145932), (431, 146007), (443, 146064), (444, 146067),

Gene: Pipefish_48 Start: 41704, Stop: 42927, Start Num: 60

Candidate Starts for Pipefish_48:

(Start: 34 @41590 has 1 MA's), (35, 41593), (Start: 60 @41704 has 22 MA's), (Start: 66 @41725 has 1 MA's), (73, 41752), (76, 41767), (88, 41809), (Start: 110 @41860 has 1 MA's), (134, 41950), (141, 41965), (165, 42079), (194, 42181), (307, 42343), (318, 42388), (319, 42394), (322, 42403), (328, 42433), (345, 42535), (361, 42592), (377, 42643), (384, 42679), (387, 42691), (395, 42724), (399, 42739), (453, 42889),

Gene: Piper2020_32 Start: 26915, Stop: 28126, Start Num: 68

Candidate Starts for Piper2020_32:

(Start: 68 @26915 has 192 MA's), (91, 26999), (141, 27149), (151, 27203), (187, 27344), (287, 27425), (318, 27551), (319, 27557), (320, 27560), (328, 27596), (338, 27656), (342, 27671), (349, 27713), (361, 27749), (362, 27752), (377, 27803), (379, 27812), (418, 27926), (452, 28037),

Gene: Pippy_24 Start: 22504, Stop: 23664, Start Num: 68

Candidate Starts for Pippy_24:

(18, 22234), (Start: 68 @22504 has 192 MA's), (91, 22588), (141, 22738), (151, 22792), (174, 22885), (183, 22915), (187, 22936), (287, 23014), (318, 23140), (319, 23146), (342, 23260), (349, 23302), (358, 23335), (362, 23341), (379, 23401),

Gene: Pivoine_251 Start: 142662, Stop: 144092, Start Num: 112

Candidate Starts for Pivoine_251:

(Start: 112 @142662 has 191 MA's), (138, 142752), (152, 142815), (185, 142938), (192, 142962), (219, 143046), (230, 143088), (241, 143130), (265, 143295), (266, 143298), (318, 143553), (326, 143592), (332, 143622), (346, 143685), (351, 143706), (352, 143715), (354, 143718), (365, 143751), (371, 143766), (408, 143901), (431, 143976), (443, 144033), (444, 144036),

Gene: Pleione_254 Start: 143425, Stop: 144855, Start Num: 112

Candidate Starts for Pleione_254:

(Start: 112 @143425 has 191 MA's), (138, 143515), (152, 143578), (185, 143701), (192, 143725), (219, 143809), (230, 143851), (241, 143893), (265, 144058), (266, 144061), (318, 144316), (326, 144355), (332, 144385), (346, 144448), (351, 144469), (352, 144478), (354, 144481), (365, 144514), (371, 144529), (408, 144664), (431, 144739), (443, 144796), (444, 144799),

Gene: Plumbus_32 Start: 26320, Stop: 27594, Start Num: 68

Candidate Starts for Plumbus_32:

(Start: 68 @26320 has 192 MA's), (104, 26440), (128, 26512), (154, 26629), (155, 26632), (178, 26710), (200, 26791), (272, 26833), (286, 26911), (318, 27037), (319, 27043), (320, 27046), (328, 27082), (342, 27157), (349, 27199), (361, 27235), (379, 27298), (418, 27412), (432, 27454), (434, 27463), (451, 27520), (452, 27523),

Gene: Poenanya_30 Start: 26448, Stop: 27641, Start Num: 68

Candidate Starts for Poenanya_30:

(Start: 68 @26448 has 192 MA's), (91, 26532), (141, 26682), (151, 26736), (187, 26877), (287, 26958), (318, 27084), (319, 27090), (320, 27093), (342, 27204), (349, 27246), (361, 27282), (377, 27336), (379, 27345), (418, 27459), (432, 27501), (434, 27510), (451, 27567), (452, 27570),

Gene: Poise_54 Start: 30021, Stop: 31400, Start Num: 75

Candidate Starts for Poise_54:

(Start: 75 @30021 has 20 MA's), (103, 30078), (117, 30114), (122, 30138), (127, 30150), (161, 30273), (169, 30315), (190, 30387), (195, 30411), (199, 30417), (221, 30498), (242, 30567), (244, 30570), (248, 30606), (251, 30642), (262, 30714), (265, 30732), (266, 30735), (284, 30852), (291, 30882), (322, 31014), (325, 31035), (332, 31068), (345, 31122), (346, 31128), (380, 31248), (388, 31278), (394, 31299), (403, 31329),

Gene: Polka14_31 Start: 26869, Stop: 28140, Start Num: 68

Candidate Starts for Polka14_31:

(15, 26596), (21, 26617), (Start: 68 @26869 has 192 MA's), (104, 26986), (128, 27058), (154, 27175), (155, 27178), (178, 27256), (200, 27337), (272, 27379), (286, 27457), (318, 27583), (319, 27589), (320, 27592), (342, 27703), (349, 27745), (362, 27784), (363, 27799), (377, 27835), (379, 27844), (418, 27958), (432, 28000), (434, 28009), (451, 28066), (452, 28069),

Gene: Pollywog_30 Start: 26566, Stop: 27849, Start Num: 68

Candidate Starts for Pollywog_30:

(Start: 68 @26566 has 192 MA's), (104, 26683), (128, 26755), (154, 26872), (155, 26875), (178, 26953), (200, 27034), (272, 27085), (286, 27163), (318, 27289), (319, 27295), (328, 27334), (342, 27409), (349, 27451), (362, 27490), (377, 27541), (379, 27550), (418, 27667), (432, 27709), (434, 27718), (451, 27775), (452, 27778),

Gene: Polo2Bam_34 Start: 26505, Stop: 27698, Start Num: 68

Candidate Starts for Polo2Bam_34:

(14, 26232), (21, 26253), (Start: 68 @26505 has 192 MA's), (91, 26589), (141, 26739), (151, 26793), (187, 26934), (287, 27015), (318, 27141), (319, 27147), (328, 27186), (338, 27246), (342, 27261), (349, 27303), (361, 27339), (362, 27342), (363, 27357), (377, 27393), (379, 27402), (418, 27516), (432, 27558), (434, 27567), (451, 27624), (452, 27627),

Gene: Poochiewood_25 Start: 24375, Stop: 25547, Start Num: 61

Candidate Starts for Poochiewood_25:

(54, 24345), (Start: 61 @24375 has 30 MA's), (194, 24822), (287, 24900), (296, 24945), (318, 25020), (328, 25065), (342, 25140), (345, 25167), (349, 25185), (361, 25221), (362, 25224), (379, 25284), (395, 25335), (399, 25350), (430, 25419), (436, 25443), (456, 25503),

Gene: PopTart_30 Start: 26544, Stop: 27830, Start Num: 100

Candidate Starts for PopTart_30:

(28, 26271), (33, 26292), (Start: 100 @26544 has 18 MA's), (142, 26664), (157, 26736), (196, 26853), (198, 26856), (227, 26958), (239, 27015), (248, 27069), (256, 27132), (266, 27195), (267, 27198), (284, 27312), (288, 27324), (301, 27387), (322, 27474), (327, 27501), (346, 27591), (351, 27612), (353, 27624), (359, 27636), (364, 27660), (389, 27741), (398, 27774),

Gene: Poster_42 Start: 39523, Stop: 41259, Start Num: 79

Candidate Starts for Poster_42:

(Start: 79 @39523 has 31 MA's), (109, 39598), (115, 39616), (120, 39637), (125, 39652), (143, 39724), (165, 39817), (185, 39889), (192, 39913), (215, 40000), (217, 40015), (254, 40198), (265, 40279), (276, 40360), (280, 40384), (281, 40387), (292, 40429), (319, 40540), (322, 40549), (324, 40558), (339, 40654), (346, 40693), (367, 40762), (377, 40786), (383, 40813), (390, 40843), (414, 40921), (420, 40945), (425, 40963), (426, 40966), (433, 40990), (441, 41035), (466, 41119),

Gene: Primadonna_246 Start: 142774, Stop: 144204, Start Num: 112

Candidate Starts for Primadonna_246:

(Start: 112 @142774 has 191 MA's), (138, 142864), (152, 142927), (185, 143050), (192, 143074), (219, 143158), (230, 143200), (241, 143242), (265, 143407), (266, 143410), (318, 143665), (326, 143704), (332, 143734), (346, 143797), (351, 143818), (352, 143827), (354, 143830), (365, 143863), (371, 143878), (408, 144013), (431, 144088), (443, 144145), (444, 144148),

Gene: Prince_43 Start: 40736, Stop: 42472, Start Num: 79

Candidate Starts for Prince_43:

(Start: 79 @40736 has 31 MA's), (109, 40811), (115, 40829), (120, 40850), (125, 40865), (143, 40937), (165, 41030), (185, 41102), (192, 41126), (215, 41213), (217, 41228), (255, 41417), (265, 41492), (276, 41573), (280, 41597), (281, 41600), (319, 41753), (322, 41762), (324, 41771), (339, 41867), (346, 41906), (367, 41975), (377, 41999), (383, 42026), (390, 42056), (414, 42134), (420, 42158), (425, 42176), (426, 42179), (441, 42248), (466, 42332),

Gene: Pringar_54 Start: 30309, Stop: 31688, Start Num: 75

Candidate Starts for Pringar_54:

(Start: 75 @30309 has 20 MA's), (103, 30366), (117, 30402), (122, 30426), (127, 30438), (161, 30561), (169, 30603), (190, 30675), (195, 30699), (199, 30705), (221, 30786), (242, 30855), (244, 30858), (248, 30894), (251, 30930), (262, 31002), (265, 31020), (266, 31023), (284, 31140), (291, 31170), (322, 31302), (325, 31323), (332, 31356), (345, 31410), (346, 31416), (380, 31536), (388, 31566), (394, 31587), (403, 31617),

Gene: Priscilla_30 Start: 26513, Stop: 27784, Start Num: 68

Candidate Starts for Priscilla_30:

(Start: 68 @26513 has 192 MA's), (104, 26630), (128, 26702), (154, 26819), (155, 26822), (178, 26900), (200, 26981), (272, 27023), (286, 27101), (318, 27227), (338, 27332), (342, 27347), (349, 27389), (361, 27425), (362, 27428), (377, 27479), (379, 27488), (418, 27602), (432, 27644), (434, 27653), (451, 27710), (452, 27713),

Gene: Puhon_251 Start: 143321, Stop: 144751, Start Num: 112

Candidate Starts for Puhon_251:

(Start: 112 @143321 has 191 MA's), (138, 143411), (152, 143474), (185, 143597), (192, 143621), (219, 143705), (230, 143747), (241, 143789), (265, 143954), (266, 143957), (318, 144212), (326, 144251), (332, 144281), (346, 144344), (351, 144365), (352, 144374), (354, 144377), (365, 144410), (371, 144425), (408, 144560), (431, 144635), (443, 144692), (444, 144695),

Gene: Pupusa_253 Start: 143988, Stop: 145418, Start Num: 112

Candidate Starts for Pupusa_253:

(Start: 112 @143988 has 191 MA's), (138, 144078), (152, 144141), (185, 144264), (192, 144288), (219, 144372), (230, 144414), (241, 144456), (265, 144621), (266, 144624), (318, 144879), (326, 144918), (332, 144948), (346, 145011), (351, 145032), (352, 145041), (354, 145044), (365, 145077), (371, 145092), (408, 145227), (431, 145302), (443, 145359), (444, 145362),

Gene: PurduePete_251 Start: 144139, Stop: 145569, Start Num: 112

Candidate Starts for PurduePete_251:

(Start: 112 @144139 has 191 MA's), (138, 144229), (152, 144292), (185, 144415), (192, 144439), (219, 144523), (230, 144565), (241, 144607), (265, 144772), (266, 144775), (318, 145030), (326, 145069), (332, 145099), (346, 145162), (351, 145183), (352, 145192), (354, 145195), (365, 145228), (371, 145243), (408, 145378), (431, 145453), (444, 145513),

Gene: QBert_242 Start: 141012, Stop: 142442, Start Num: 112

Candidate Starts for QBert_242:

(Start: 112 @141012 has 191 MA's), (138, 141102), (152, 141165), (185, 141288), (192, 141312), (219, 141396), (230, 141438), (241, 141480), (265, 141645), (266, 141648), (318, 141903), (326, 141942), (332, 141972), (346, 142035), (351, 142056), (352, 142065), (354, 142068), (365, 142101), (371, 142116), (408, 142251), (431, 142326), (443, 142383), (444, 142386),

Gene: Quasimodo_253 Start: 142998, Stop: 144428, Start Num: 112

Candidate Starts for Quasimodo_253:

(Start: 112 @142998 has 191 MA's), (138, 143088), (152, 143151), (185, 143274), (192, 143298), (219, 143382), (230, 143424), (241, 143466), (265, 143631), (266, 143634), (318, 143889), (326, 143928), (332, 143958), (346, 144021), (351, 144042), (352, 144051), (354, 144054), (365, 144087), (371, 144102), (408, 144237), (431, 144312), (443, 144369), (444, 144372),

Gene: Quby_25 Start: 24092, Stop: 25264, Start Num: 61

Candidate Starts for Quby_25:

(Start: 61 @24092 has 30 MA's), (Start: 64 @24101 has 1 MA's), (165, 24467), (193, 24536), (287, 24617), (318, 24737), (345, 24884), (349, 24902), (361, 24938), (379, 25001), (399, 25067), (429, 25133), (430, 25136),

Gene: QueenPie_42 Start: 40647, Stop: 42371, Start Num: 79

Candidate Starts for QueenPie_42:

(Start: 79 @40647 has 31 MA's), (109, 40722), (115, 40740), (120, 40761), (125, 40776), (143, 40848), (165, 40941), (185, 41001), (192, 41025), (215, 41112), (217, 41127), (254, 41310), (255, 41316), (265, 41391), (276, 41472), (280, 41496), (292, 41541), (319, 41652), (322, 41661), (324, 41670), (346, 41805), (367, 41874), (377, 41898), (383, 41925), (390, 41955), (412, 42030), (414, 42033), (420, 42057), (425, 42075), (426, 42078), (433, 42102), (441, 42147), (466, 42231),

Gene: Quesadilla_49 Start: 42178, Stop: 43833, Start Num: 96

Candidate Starts for Quesadilla_49:

(59, 42043), (Start: 61 @42052 has 30 MA's), (63, 42058), (67, 42076), (Start: 96 @42178 has 4 MA's), (Start: 102 @42187 has 1 MA's), (138, 42301), (170, 42442), (183, 42481), (185, 42493), (195, 42532), (236, 42697), (254, 42811), (255, 42817), (265, 42892), (271, 42931), (276, 42973), (281, 43000), (294, 43054), (298, 43069), (322, 43159), (346, 43303), (372, 43387), (404, 43498), (407, 43510), (424, 43570), (433, 43600), (457, 43690), (466, 43720), (483, 43822),

Gene: QuickMath_31 Start: 27678, Stop: 28868, Start Num: 68

Candidate Starts for QuickMath_31:

(Start: 68 @27678 has 192 MA's), (91, 27762), (141, 27912), (151, 27966), (187, 28107), (287, 28185), (318, 28311), (319, 28317), (328, 28356), (338, 28416), (342, 28431), (349, 28473), (361, 28509), (362, 28512), (377, 28563), (379, 28572), (418, 28686), (432, 28728), (434, 28737), (451, 28794), (452, 28797),

Gene: Quico_31 Start: 26135, Stop: 27328, Start Num: 68

Candidate Starts for Quico_31:

(Start: 68 @26135 has 192 MA's), (91, 26219), (141, 26369), (151, 26423), (187, 26564), (287, 26645), (318, 26771), (319, 26777), (320, 26780), (342, 26891), (349, 26933), (361, 26969), (363, 26987), (377, 27023), (379, 27032), (418, 27146), (432, 27188), (434, 27197), (451, 27254), (452, 27257),

Gene: Rabinovish_243 Start: 141502, Stop: 142932, Start Num: 112

Candidate Starts for Rabinovish_243:

(Start: 112 @141502 has 191 MA's), (152, 141655), (185, 141778), (192, 141802), (219, 141886), (230, 141928), (241, 141970), (265, 142135), (266, 142138), (318, 142393), (326, 142432), (332, 142462), (346, 142525), (351, 142546), (352, 142555), (354, 142558), (365, 142591), (371, 142606),

(408, 142741), (431, 142816), (443, 142873), (444, 142876),

Gene: Radiance_30 Start: 26421, Stop: 27692, Start Num: 68

Candidate Starts for Radiance_30:

(Start: 68 @26421 has 192 MA's), (104, 26538), (128, 26610), (154, 26727), (155, 26730), (178, 26808), (200, 26889), (272, 26931), (286, 27009), (318, 27135), (338, 27240), (342, 27255), (349, 27297), (361, 27333), (362, 27336), (377, 27387), (379, 27396), (418, 27510), (432, 27552), (434, 27561), (451, 27618), (452, 27621),

Gene: Raela_54 Start: 30576, Stop: 31955, Start Num: 75

Candidate Starts for Raela_54:

(Start: 75 @30576 has 20 MA's), (103, 30633), (117, 30669), (122, 30693), (127, 30705), (161, 30828), (169, 30870), (190, 30942), (195, 30966), (199, 30972), (221, 31053), (242, 31122), (244, 31125), (248, 31161), (262, 31269), (265, 31287), (266, 31290), (284, 31407), (291, 31437), (322, 31569), (325, 31590), (332, 31623), (345, 31677), (346, 31683), (380, 31803), (388, 31833), (394, 31854), (403, 31884),

Gene: RagingRooster_46 Start: 40271, Stop: 41536, Start Num: 50

Candidate Starts for RagingRooster_46:

(41, 40241), (Start: 45 @40259 has 11 MA's), (47, 40262), (Start: 50 @40271 has 16 MA's), (Start: 60 @40313 has 22 MA's), (Start: 66 @40334 has 1 MA's), (73, 40361), (76, 40376), (88, 40418), (Start: 110 @40469 has 1 MA's), (134, 40559), (141, 40574), (165, 40688), (194, 40790), (307, 40952), (318, 40997), (319, 41003), (320, 41006), (322, 41012), (328, 41042), (345, 41144), (361, 41201), (377, 41252), (384, 41288), (387, 41300), (395, 41333), (399, 41348), (453, 41498),

Gene: Rahel_252 Start: 143100, Stop: 144530, Start Num: 112

Candidate Starts for Rahel_252:

(Start: 112 @143100 has 191 MA's), (138, 143190), (152, 143253), (185, 143376), (192, 143400), (219, 143484), (230, 143526), (241, 143568), (265, 143733), (266, 143736), (318, 143991), (326, 144030), (332, 144060), (346, 144123), (351, 144144), (352, 144153), (354, 144156), (365, 144189), (371, 144204), (408, 144339), (431, 144414), (443, 144471), (444, 144474),

Gene: Ramsey_32 Start: 26518, Stop: 27765, Start Num: 68

Candidate Starts for Ramsey_32:

(Start: 68 @26518 has 192 MA's), (104, 26638), (128, 26710), (154, 26827), (155, 26830), (178, 26908), (200, 26989), (272, 27031), (286, 27109), (318, 27235), (319, 27241), (320, 27244), (342, 27355), (349, 27397), (362, 27436), (363, 27451), (377, 27487), (379, 27496), (418, 27610), (452, 27721),

Gene: RawrgerThat_44 Start: 40581, Stop: 42323, Start Num: 79

Candidate Starts for RawrgerThat_44:

(Start: 79 @40581 has 31 MA's), (109, 40656), (115, 40674), (120, 40695), (125, 40710), (143, 40782), (165, 40875), (185, 40947), (192, 40971), (215, 41058), (217, 41073), (254, 41256), (265, 41337), (276, 41418), (280, 41442), (281, 41445), (292, 41487), (319, 41598), (322, 41607), (324, 41616), (339, 41712), (346, 41751), (367, 41820), (377, 41844), (383, 41871), (390, 41901), (414, 41979), (420, 42003), (425, 42021), (426, 42024), (433, 42048), (441, 42093), (466, 42177),

Gene: RedBird_30 Start: 26299, Stop: 27495, Start Num: 135

Candidate Starts for RedBird_30:

(Start: 135 @26299 has 40 MA's), (156, 26383), (199, 26533), (218, 26587), (240, 26680), (248, 26728), (262, 26839), (266, 26860), (322, 27142), (325, 27163), (346, 27259), (359, 27304), (373, 27349), (380, 27373), (396, 27433),

Gene: RedRaider77_53 Start: 29965, Stop: 31344, Start Num: 75

Candidate Starts for RedRaider77_53:

(Start: 75 @29965 has 20 MA's), (103, 30022), (117, 30058), (122, 30082), (127, 30094), (161, 30217), (169, 30259), (190, 30331), (195, 30355), (199, 30361), (221, 30442), (242, 30511), (244, 30514), (248, 30550), (251, 30586), (262, 30658), (265, 30676), (266, 30679), (284, 30796), (291, 30826), (322, 30958), (325, 30979), (332, 31012), (345, 31066), (346, 31072), (380, 31192), (388, 31222), (394, 31243), (403, 31273),

Gene: Reindeer_35 Start: 30311, Stop: 31678, Start Num: 74

Candidate Starts for Reindeer_35:

(Start: 74 @30311 has 16 MA's), (77, 30320), (89, 30368), (98, 30395), (114, 30434), (148, 30572), (149, 30578), (150, 30581), (153, 30596), (159, 30614), (172, 30668), (173, 30674), (176, 30680), (177, 30683), (195, 30758), (287, 30860), (295, 30890), (304, 30917), (307, 30932), (322, 30977), (323, 30980), (328, 31007), (335, 31040), (340, 31076), (345, 31109), (359, 31163), (360, 31169), (365, 31199), (380, 31247), (384, 31271), (410, 31349), (442, 31463), (445, 31469), (451, 31490), (457, 31508), (463, 31523), (475, 31583), (478, 31619), (479, 31622), (485, 31658),

Gene: Renaud18_30 Start: 26514, Stop: 27722, Start Num: 135

Candidate Starts for Renaud18_30:

(Start: 135 @26514 has 40 MA's), (158, 26610), (164, 26634), (191, 26727), (192, 26730), (212, 26775), (238, 26904), (248, 26955), (262, 27066), (266, 27087), (322, 27369), (325, 27390), (346, 27486), (359, 27531), (373, 27576), (380, 27600), (396, 27660),

Gene: Renkei_42 Start: 39557, Stop: 41293, Start Num: 79

Candidate Starts for Renkei_42:

(Start: 79 @39557 has 31 MA's), (109, 39632), (115, 39650), (120, 39671), (125, 39686), (143, 39758), (165, 39851), (185, 39923), (192, 39947), (215, 40034), (217, 40049), (254, 40232), (265, 40313), (276, 40394), (280, 40418), (281, 40421), (292, 40463), (319, 40574), (322, 40583), (324, 40592), (339, 40688), (346, 40727), (367, 40796), (377, 40820), (383, 40847), (390, 40877), (414, 40955), (420, 40979), (425, 40997), (426, 41000), (433, 41024), (441, 41069), (466, 41153),

Gene: Rey_40 Start: 31173, Stop: 32588, Start Num: 55

Candidate Starts for Rey_40:

(Start: 55 @31173 has 6 MA's), (69, 31227), (71, 31233), (78, 31263), (89, 31299), (148, 31500), (160, 31530), (180, 31599), (182, 31614), (195, 31668), (202, 31686), (204, 31692), (295, 31803), (304, 31830), (307, 31845), (335, 31953), (343, 32004), (360, 32082), (410, 32259), (416, 32283), (418, 32286), (442, 32373), (445, 32379), (451, 32400), (463, 32433), (475, 32493), (484, 32556),

Gene: Rialto_34 Start: 28576, Stop: 29850, Start Num: 68

Candidate Starts for Rialto_34:

(Start: 68 @28576 has 192 MA's), (104, 28696), (128, 28768), (154, 28885), (155, 28888), (178, 28966), (200, 29047), (272, 29089), (286, 29167), (318, 29293), (319, 29299), (320, 29302), (328, 29338), (342, 29413), (349, 29455), (361, 29491), (362, 29494), (377, 29545), (379, 29554), (418, 29668), (432, 29710), (434, 29719), (451, 29776), (452, 29779),

Gene: Rita_31 Start: 26482, Stop: 27774, Start Num: 68

Candidate Starts for Rita_31:

(Start: 68 @26482 has 192 MA's), (104, 26602), (154, 26791), (155, 26794), (178, 26872), (200, 26953), (272, 26995), (286, 27073), (318, 27199), (319, 27205), (328, 27244), (338, 27304), (342, 27319), (349, 27361), (361, 27397), (362, 27400), (363, 27415), (377, 27451), (379, 27460), (418, 27574), (452, 27685),

Gene: Rita1961_46 Start: 40296, Stop: 41519, Start Num: 60

Candidate Starts for Rita1961_46:

(Start: 34 @40182 has 1 MA's), (35, 40185), (Start: 60 @40296 has 22 MA's), (Start: 66 @40317 has 1 MA's), (73, 40344), (76, 40359), (88, 40401), (Start: 110 @40452 has 1 MA's), (134, 40542), (141, 40557), (165, 40671), (194, 40773), (307, 40935), (318, 40980), (319, 40986), (320, 40989), (322, 40995), (328, 41025), (345, 41127), (361, 41184), (377, 41235), (384, 41271), (387, 41283), (395, 41316), (399, 41331), (453, 41481),

Gene: RitaG_31 Start: 26686, Stop: 27960, Start Num: 68

Candidate Starts for RitaG_31:

(Start: 68 @26686 has 192 MA's), (104, 26806), (154, 26995), (155, 26998), (178, 27076), (200, 27157), (272, 27199), (286, 27277), (318, 27403), (319, 27409), (328, 27448), (338, 27508), (342, 27523), (347, 27559), (349, 27565), (361, 27601), (363, 27619), (377, 27655), (379, 27664), (418, 27778), (432, 27820), (451, 27886), (452, 27889),

Gene: Rizal_239 Start: 140915, Stop: 142345, Start Num: 112

Candidate Starts for Rizal_239:

(Start: 112 @140915 has 191 MA's), (138, 141005), (152, 141068), (185, 141191), (192, 141215), (219, 141299), (230, 141341), (241, 141383), (265, 141548), (266, 141551), (318, 141806), (326, 141845), (332, 141875), (346, 141938), (351, 141959), (352, 141968), (354, 141971), (365, 142004), (371, 142019), (408, 142154), (431, 142229), (443, 142286), (444, 142289),

Gene: RoMag_245 Start: 142696, Stop: 144126, Start Num: 112

Candidate Starts for RoMag_245:

(Start: 112 @142696 has 191 MA's), (138, 142786), (139, 142789), (152, 142849), (185, 142972), (192, 142996), (219, 143080), (230, 143122), (241, 143164), (265, 143329), (266, 143332), (318, 143587), (326, 143626), (332, 143656), (346, 143719), (351, 143740), (352, 143749), (354, 143752), (365, 143785), (371, 143800), (408, 143935), (431, 144010), (443, 144067), (444, 144070),

Gene: Rocha_246 Start: 142261, Stop: 143691, Start Num: 112

Candidate Starts for Rocha_246:

(Start: 112 @142261 has 191 MA's), (138, 142351), (152, 142414), (185, 142537), (192, 142561), (219, 142645), (230, 142687), (241, 142729), (265, 142894), (266, 142897), (318, 143152), (326, 143191), (332, 143221), (346, 143284), (351, 143305), (352, 143314), (354, 143317), (365, 143350), (371, 143365), (408, 143500), (431, 143575), (444, 143635),

Gene: Rockne_30 Start: 26306, Stop: 27499, Start Num: 68

Candidate Starts for Rockne_30:

(Start: 68 @26306 has 192 MA's), (91, 26390), (141, 26540), (151, 26594), (187, 26735), (287, 26816), (318, 26942), (319, 26948), (342, 27062), (349, 27104), (361, 27140), (363, 27158), (377, 27194), (379, 27203), (418, 27317), (432, 27359), (434, 27368), (451, 27425), (452, 27428),

Gene: RockyHorror_31 Start: 26248, Stop: 27441, Start Num: 68

Candidate Starts for RockyHorror_31:

(Start: 68 @26248 has 192 MA's), (91, 26332), (141, 26482), (151, 26536), (187, 26677), (287, 26758), (318, 26884), (319, 26890), (328, 26929), (338, 26989), (342, 27004), (349, 27046), (361, 27082), (377, 27136), (379, 27145), (418, 27259), (432, 27301), (434, 27310), (451, 27367), (452, 27370),

Gene: RomaT_46 Start: 41044, Stop: 42309, Start Num: 50

Candidate Starts for RomaT_46:

(41, 41014), (Start: 45 @41032 has 11 MA's), (47, 41035), (Start: 50 @41044 has 16 MA's), (Start: 60 @41086 has 22 MA's), (Start: 66 @41107 has 1 MA's), (73, 41134), (76, 41149), (88, 41191), (Start: 110 @41242 has 1 MA's), (134, 41332), (141, 41347), (165, 41461), (194, 41563), (307, 41725), (318, 41770), (319, 41776), (320, 41779), (322, 41785), (328, 41815), (345, 41917), (361, 41974), (377,

42025), (384, 42061), (387, 42073), (395, 42106), (399, 42121), (453, 42271),

Gene: Ronan_246 Start: 141077, Stop: 142507, Start Num: 112

Candidate Starts for Ronan_246:

(93, 141035), (Start: 112 @141077 has 191 MA's), (138, 141167), (152, 141230), (185, 141353), (192, 141377), (219, 141461), (230, 141503), (241, 141545), (265, 141710), (266, 141713), (318, 141968), (326, 142007), (332, 142037), (346, 142100), (351, 142121), (352, 142130), (354, 142133), (365, 142166), (371, 142181), (408, 142316), (431, 142391), (444, 142451),

Gene: Roots515_253 Start: 144241, Stop: 145671, Start Num: 112

Candidate Starts for Roots515_253:

(Start: 112 @144241 has 191 MA's), (138, 144331), (152, 144394), (185, 144517), (192, 144541), (219, 144625), (230, 144667), (241, 144709), (265, 144874), (266, 144877), (318, 145132), (326, 145171), (332, 145201), (346, 145264), (351, 145285), (352, 145294), (354, 145297), (365, 145330), (371, 145345), (408, 145480), (431, 145555), (443, 145612), (444, 145615),

Gene: Rose5_25 Start: 24375, Stop: 25547, Start Num: 61

Candidate Starts for Rose5_25:

(54, 24345), (Start: 61 @24375 has 30 MA's), (194, 24822), (287, 24900), (296, 24945), (318, 25020), (328, 25065), (342, 25140), (345, 25167), (349, 25185), (361, 25221), (362, 25224), (379, 25284), (395, 25335), (399, 25350), (430, 25419), (436, 25443), (456, 25503),

Gene: RoseMarie_37 Start: 32244, Stop: 33611, Start Num: 74

Candidate Starts for RoseMarie_37:

(Start: 74 @32244 has 16 MA's), (89, 32301), (98, 32328), (114, 32367), (148, 32505), (150, 32514), (153, 32529), (159, 32547), (173, 32607), (176, 32613), (177, 32616), (195, 32691), (295, 32823), (304, 32850), (306, 32859), (323, 32913), (328, 32940), (335, 32973), (343, 33024), (359, 33096), (410, 33282), (445, 33402), (451, 33423), (457, 33441), (463, 33456), (471, 33486), (475, 33516), (478, 33552), (479, 33555), (485, 33591),

Gene: Rossetti_27 Start: 25358, Stop: 26527, Start Num: 61

Candidate Starts for Rossetti_27:

(Start: 61 @25358 has 30 MA's), (115, 25526), (137, 25610), (151, 25670), (193, 25799), (287, 25880), (318, 26000), (319, 26006), (345, 26147), (349, 26165), (361, 26201), (379, 26264), (429, 26396), (430, 26399), (436, 26423),

Gene: Royals2015_30 Start: 26424, Stop: 27614, Start Num: 68

Candidate Starts for Royals2015_30:

(14, 26151), (21, 26172), (Start: 68 @26424 has 192 MA's), (91, 26508), (141, 26658), (151, 26712), (174, 26805), (187, 26853), (287, 26931), (318, 27057), (319, 27063), (328, 27102), (338, 27162), (342, 27177), (349, 27219), (361, 27255), (362, 27258), (377, 27309), (379, 27318), (418, 27432), (432, 27474), (434, 27483), (451, 27540), (452, 27543),

Gene: Ruby_31 Start: 26444, Stop: 27691, Start Num: 68

Candidate Starts for Ruby_31:

(Start: 68 @26444 has 192 MA's), (104, 26564), (128, 26636), (154, 26753), (155, 26756), (178, 26834), (200, 26915), (272, 26957), (286, 27035), (318, 27161), (328, 27206), (338, 27266), (342, 27281), (349, 27323), (361, 27359), (377, 27413), (379, 27422), (418, 27536), (452, 27647),

Gene: Rumpelstiltskin_27 Start: 25354, Stop: 26523, Start Num: 61

Candidate Starts for Rumpelstiltskin_27:

(Start: 61 @25354 has 30 MA's), (115, 25522), (137, 25606), (151, 25666), (193, 25795), (287, 25876), (318, 25996), (319, 26002), (345, 26143), (349, 26161), (361, 26197), (379, 26260), (429, 26392),

(430, 26395), (436, 26419),

Gene: Ryadel_70 Start: 43007, Stop: 44251, Start Num: 131

Candidate Starts for Ryadel_70:

(Start: 131 @43007 has 32 MA's), (144, 43043), (156, 43094), (157, 43100), (158, 43103), (199, 43250), (218, 43304), (240, 43397), (248, 43445), (262, 43553), (266, 43574), (322, 43862), (346, 43979), (353, 44012), (359, 44024), (373, 44075), (380, 44099), (396, 44159), (411, 44204),

Gene: SG4_30 Start: 26651, Stop: 27922, Start Num: 100

Candidate Starts for SG4_30:

(Start: 100 @26651 has 18 MA's), (142, 26768), (196, 26957), (198, 26960), (220, 27038), (239, 27119), (248, 27170), (252, 27209), (256, 27233), (266, 27296), (267, 27299), (280, 27404), (288, 27425), (301, 27488), (308, 27518), (322, 27575), (346, 27692), (353, 27725),

Gene: SVoro_245 Start: 142998, Stop: 144428, Start Num: 112

Candidate Starts for SVoro_245:

(Start: 112 @142998 has 191 MA's), (138, 143088), (152, 143151), (185, 143274), (192, 143298), (219, 143382), (230, 143424), (241, 143466), (265, 143631), (266, 143634), (318, 143889), (326, 143928), (332, 143958), (346, 144021), (351, 144042), (352, 144051), (354, 144054), (365, 144087), (371, 144102), (408, 144237), (431, 144312), (444, 144372),

Gene: Saal_30 Start: 26300, Stop: 27571, Start Num: 68

Candidate Starts for Saal_30:

(Start: 68 @26300 has 192 MA's), (104, 26417), (128, 26489), (154, 26606), (155, 26609), (178, 26687), (200, 26768), (272, 26810), (286, 26888), (318, 27014), (338, 27119), (342, 27134), (349, 27176), (361, 27212), (362, 27215), (377, 27266), (379, 27275), (418, 27389), (432, 27431), (434, 27440), (451, 27497), (452, 27500),

Gene: Sabbb_31 Start: 26645, Stop: 27916, Start Num: 68

Candidate Starts for Sabbb_31:

(Start: 68 @26645 has 192 MA's), (104, 26762), (128, 26834), (154, 26951), (155, 26954), (178, 27032), (200, 27113), (272, 27155), (286, 27233), (299, 27287), (318, 27359), (342, 27479), (349, 27521), (361, 27557), (377, 27611), (379, 27620), (418, 27734), (432, 27776), (434, 27785), (451, 27842), (452, 27845),

Gene: Saguaro_49 Start: 41855, Stop: 43441, Start Num: 96

Candidate Starts for Saguaro_49:

(56, 41702), (62, 41720), (63, 41723), (65, 41735), (72, 41759), (85, 41813), (Start: 96 @41855 has 4 MA's), (Start: 102 @41864 has 1 MA's), (133, 41969), (138, 41981), (162, 42083), (167, 42110), (183, 42155), (185, 42167), (201, 42221), (252, 42464), (254, 42479), (265, 42545), (277, 42632), (300, 42731), (319, 42794), (322, 42803), (344, 42929), (346, 42941), (367, 43013), (377, 43037), (383, 43064), (390, 43094), (392, 43100), (420, 43196), (425, 43214), (426, 43217), (450, 43313),

Gene: Salacia_252 Start: 144565, Stop: 145995, Start Num: 112

Candidate Starts for Salacia_252:

(Start: 112 @144565 has 191 MA's), (138, 144655), (152, 144718), (185, 144841), (192, 144865), (219, 144949), (230, 144991), (241, 145033), (265, 145198), (266, 145201), (318, 145456), (326, 145495), (332, 145525), (346, 145588), (351, 145609), (352, 145618), (354, 145621), (365, 145654), (371, 145669), (408, 145804), (431, 145879), (443, 145936), (444, 145939),

Gene: Sandalphon_31 Start: 27031, Stop: 28302, Start Num: 68

Candidate Starts for Sandalphon_31:

(Start: 68 @27031 has 192 MA's), (104, 27148), (128, 27220), (154, 27337), (155, 27340), (178, 27418), (200, 27499), (272, 27541), (286, 27619), (318, 27745), (319, 27751), (320, 27754), (342, 27865), (349, 27907), (362, 27946), (363, 27961), (377, 27997), (379, 28006), (418, 28120), (432, 28162), (451, 28228), (452, 28231),

Gene: Sarma624_26 Start: 22498, Stop: 23733, Start Num: 68

Candidate Starts for Sarma624_26:

(Start: 68 @22498 has 192 MA's), (104, 22618), (128, 22690), (154, 22807), (155, 22810), (178, 22888), (200, 22969), (272, 23011), (286, 23089), (318, 23215), (319, 23221), (328, 23260), (338, 23320), (342, 23335), (349, 23377), (361, 23413), (362, 23416), (377, 23467), (379, 23476), (418, 23590), (452, 23701), (460, 23722),

Gene: Sassafras_30 Start: 26444, Stop: 27607, Start Num: 68

Candidate Starts for Sassafras_30:

(Start: 68 @26444 has 192 MA's), (91, 26528), (141, 26678), (151, 26732), (187, 26873), (287, 26951), (318, 27077), (319, 27083), (328, 27122), (338, 27182), (342, 27197), (349, 27239), (361, 27275), (362, 27278), (377, 27329), (379, 27338), (418, 27452),

Gene: SassyB_30 Start: 26544, Stop: 27830, Start Num: 100

Candidate Starts for SassyB_30:

(28, 26271), (33, 26292), (Start: 100 @26544 has 18 MA's), (142, 26664), (157, 26736), (196, 26853), (198, 26856), (227, 26958), (239, 27015), (248, 27069), (256, 27132), (266, 27195), (267, 27198), (284, 27312), (288, 27324), (301, 27387), (322, 27474), (327, 27501), (346, 27591), (351, 27612), (353, 27624), (359, 27636), (364, 27660), (389, 27741), (398, 27774),

Gene: Sauce_247 Start: 142424, Stop: 143854, Start Num: 112

Candidate Starts for Sauce_247:

(Start: 112 @142424 has 191 MA's), (138, 142514), (152, 142577), (185, 142700), (192, 142724), (219, 142808), (230, 142850), (241, 142892), (265, 143057), (266, 143060), (318, 143315), (326, 143354), (332, 143384), (346, 143447), (351, 143468), (352, 143477), (354, 143480), (365, 143513), (371, 143528), (408, 143663), (431, 143738), (443, 143795), (444, 143798),

Gene: SchoolBus_66 Start: 42191, Stop: 43411, Start Num: 131

Candidate Starts for SchoolBus_66:

(82, 42038), (83, 42041), (87, 42053), (106, 42107), (108, 42110), (Start: 131 @42191 has 32 MA's), (144, 42227), (156, 42278), (157, 42284), (199, 42434), (218, 42488), (240, 42581), (248, 42629), (262, 42737), (266, 42758), (322, 43046), (346, 43163), (353, 43196), (359, 43208), (373, 43259), (380, 43283), (396, 43343), (411, 43388),

Gene: Schuy_67 Start: 41982, Stop: 43202, Start Num: 131

Candidate Starts for Schuy_67:

(Start: 131 @41982 has 32 MA's), (144, 42018), (156, 42069), (157, 42075), (199, 42225), (218, 42279), (240, 42372), (248, 42420), (262, 42528), (266, 42549), (322, 42837), (346, 42954), (353, 42987), (359, 42999), (373, 43050), (380, 43074), (396, 43134), (411, 43179),

Gene: ScottMcG_242 Start: 141625, Stop: 143055, Start Num: 112

Candidate Starts for ScottMcG_242:

(Start: 112 @141625 has 191 MA's), (138, 141715), (152, 141778), (185, 141901), (192, 141925), (219, 142009), (230, 142051), (241, 142093), (265, 142258), (266, 142261), (318, 142516), (326, 142555), (332, 142585), (346, 142648), (351, 142669), (352, 142678), (354, 142681), (365, 142714), (371, 142729), (408, 142864), (431, 142939), (443, 142996), (444, 142999),

Gene: Scottish_31 Start: 27627, Stop: 28820, Start Num: 68

Candidate Starts for Scottish_31:

(Start: 68 @27627 has 192 MA's), (91, 27711), (141, 27861), (151, 27915), (187, 28056), (287, 28137), (318, 28263), (319, 28269), (320, 28272), (342, 28383), (349, 28425), (361, 28461), (377, 28515), (379, 28524), (418, 28638), (432, 28680), (434, 28689), (451, 28746), (452, 28749),

Gene: SeaLumen_33 Start: 26505, Stop: 27698, Start Num: 68

Candidate Starts for SeaLumen_33:

(14, 26232), (21, 26253), (Start: 68 @26505 has 192 MA's), (91, 26589), (141, 26739), (151, 26793), (187, 26934), (287, 27015), (318, 27141), (319, 27147), (328, 27186), (338, 27246), (342, 27261), (349, 27303), (361, 27339), (362, 27342), (363, 27357), (377, 27393), (379, 27402), (418, 27516), (432, 27558), (434, 27567), (451, 27624), (452, 27627),

Gene: Seabastian_30 Start: 26535, Stop: 27728, Start Num: 68

Candidate Starts for Seabastian_30:

(Start: 68 @26535 has 192 MA's), (91, 26619), (141, 26769), (151, 26823), (187, 26964), (287, 27045), (318, 27171), (338, 27276), (342, 27291), (349, 27333), (361, 27369), (362, 27372), (377, 27423), (379, 27432), (418, 27546), (432, 27588), (434, 27597), (451, 27654), (452, 27657),

Gene: Seagreen_31 Start: 26351, Stop: 27637, Start Num: 100

Candidate Starts for Seagreen_31:

(28, 26078), (33, 26099), (Start: 100 @26351 has 18 MA's), (142, 26471), (157, 26543), (196, 26660), (198, 26663), (227, 26765), (239, 26822), (248, 26876), (256, 26939), (266, 27002), (267, 27005), (284, 27119), (288, 27131), (301, 27194), (322, 27281), (327, 27308), (346, 27398), (351, 27419), (353, 27431), (359, 27443), (364, 27467), (389, 27548), (398, 27581),

Gene: Sebata_250 Start: 143284, Stop: 144714, Start Num: 112

Candidate Starts for Sebata_250:

(Start: 112 @143284 has 191 MA's), (138, 143374), (152, 143437), (185, 143560), (192, 143584), (219, 143668), (230, 143710), (241, 143752), (265, 143917), (266, 143920), (318, 144175), (326, 144214), (332, 144244), (346, 144307), (351, 144328), (352, 144337), (354, 144340), (365, 144373), (371, 144388), (408, 144523), (431, 144598), (444, 144658),

Gene: Shaqnato_241 Start: 141833, Stop: 143263, Start Num: 112

Candidate Starts for Shaqnato_241:

(Start: 112 @141833 has 191 MA's), (138, 141923), (152, 141986), (185, 142109), (192, 142133), (219, 142217), (230, 142259), (241, 142301), (265, 142466), (266, 142469), (318, 142724), (326, 142763), (332, 142793), (346, 142856), (351, 142877), (352, 142886), (354, 142889), (365, 142922), (371, 142937), (408, 143072), (431, 143147), (444, 143207),

Gene: Shauna1_27 Start: 25506, Stop: 26660, Start Num: 68

Candidate Starts for Shauna1_27:

(14, 25233), (21, 25254), (Start: 68 @25506 has 192 MA's), (91, 25590), (141, 25740), (151, 25794), (187, 25935), (287, 26016), (318, 26142), (319, 26148), (328, 26187), (338, 26247), (342, 26262), (349, 26304), (361, 26340), (362, 26343), (377, 26394), (379, 26403), (418, 26517), (452, 26628), (460, 26649),

Gene: Shelob_251 Start: 144559, Stop: 145989, Start Num: 112

Candidate Starts for Shelob_251:

(Start: 112 @144559 has 191 MA's), (138, 144649), (152, 144712), (185, 144835), (192, 144859), (219, 144943), (230, 144985), (241, 145027), (265, 145192), (266, 145195), (318, 145450), (326, 145489), (332, 145519), (346, 145582), (351, 145603), (352, 145612), (354, 145615), (365, 145648), (371, 145663), (408, 145798), (431, 145873), (443, 145930), (444, 145933),

Gene: Shenandoah_46 Start: 40243, Stop: 41508, Start Num: 50

Candidate Starts for Shenandoah_46:

(41, 40213), (Start: 45 @40231 has 11 MA's), (47, 40234), (Start: 50 @40243 has 16 MA's), (Start: 60 @40285 has 22 MA's), (Start: 66 @40306 has 1 MA's), (73, 40333), (76, 40348), (88, 40390), (Start: 110 @40441 has 1 MA's), (134, 40531), (141, 40546), (165, 40660), (194, 40762), (307, 40924), (318, 40969), (319, 40975), (320, 40978), (322, 40984), (328, 41014), (345, 41116), (361, 41173), (377, 41224), (384, 41260), (387, 41272), (395, 41305), (399, 41320), (453, 41470),

Gene: Sheng711_25 Start: 24174, Stop: 25346, Start Num: 61

Candidate Starts for Sheng711_25:

(Start: 61 @24174 has 30 MA's), (Start: 64 @24183 has 1 MA's), (165, 24549), (193, 24618), (287, 24699), (318, 24819), (345, 24966), (349, 24984), (361, 25020), (379, 25083), (399, 25149), (429, 25215), (430, 25218),

Gene: ShiLan_30 Start: 26544, Stop: 27740, Start Num: 135

Candidate Starts for ShiLan_30:

(Start: 135 @26544 has 40 MA's), (156, 26628), (199, 26778), (218, 26832), (240, 26925), (248, 26973), (262, 27084), (266, 27105), (322, 27387), (325, 27408), (346, 27504), (359, 27549), (373, 27594), (380, 27618), (396, 27678),

Gene: ShiaLabeouf_248 Start: 142418, Stop: 143848, Start Num: 112

Candidate Starts for ShiaLabeouf_248:

(Start: 112 @142418 has 191 MA's), (138, 142508), (152, 142571), (185, 142694), (192, 142718), (219, 142802), (230, 142844), (241, 142886), (265, 143051), (266, 143054), (318, 143309), (326, 143348), (332, 143378), (346, 143441), (351, 143462), (352, 143471), (354, 143474), (365, 143507), (371, 143522), (408, 143657), (431, 143732), (443, 143789), (444, 143792),

Gene: Shida_66 Start: 41889, Stop: 43109, Start Num: 131

Candidate Starts for Shida_66:

(Start: 131 @41889 has 32 MA's), (144, 41925), (156, 41976), (157, 41982), (158, 41985), (199, 42132), (218, 42186), (240, 42279), (248, 42327), (262, 42435), (266, 42456), (322, 42744), (346, 42861), (353, 42894), (359, 42906), (373, 42957), (380, 42981), (396, 43041), (411, 43086),

Gene: Shifa_226 Start: 141892, Stop: 143322, Start Num: 112

Candidate Starts for Shifa_226:

(Start: 112 @141892 has 191 MA's), (138, 141982), (152, 142045), (185, 142168), (192, 142192), (219, 142276), (230, 142318), (241, 142360), (265, 142525), (266, 142528), (318, 142783), (326, 142822), (332, 142852), (346, 142915), (351, 142936), (352, 142945), (354, 142948), (365, 142981), (371, 142996), (408, 143131), (431, 143206), (444, 143266),

Gene: Shnickers_249 Start: 142482, Stop: 143912, Start Num: 112

Candidate Starts for Shnickers_249:

(Start: 112 @142482 has 191 MA's), (138, 142572), (152, 142635), (185, 142758), (192, 142782), (219, 142866), (230, 142908), (241, 142950), (265, 143115), (266, 143118), (318, 143373), (326, 143412), (332, 143442), (346, 143505), (351, 143526), (352, 143535), (354, 143538), (365, 143571), (371, 143586), (408, 143721), (431, 143796), (443, 143853), (444, 143856),

Gene: ShowerHandel_30 Start: 26503, Stop: 27699, Start Num: 135

Candidate Starts for ShowerHandel_30:

(Start: 135 @26503 has 40 MA's), (156, 26587), (199, 26737), (218, 26791), (240, 26884), (248, 26932), (262, 27043), (266, 27064), (322, 27346), (325, 27367), (346, 27463), (359, 27508), (373, 27553), (380, 27577), (396, 27637),

Gene: Shrimp_253 Start: 144176, Stop: 145606, Start Num: 112

Candidate Starts for Shrimp_253:

(Start: 112 @144176 has 191 MA's), (138, 144266), (152, 144329), (185, 144452), (192, 144476), (219, 144560), (230, 144602), (241, 144644), (265, 144809), (266, 144812), (318, 145067), (326, 145106), (332, 145136), (346, 145199), (351, 145220), (352, 145229), (354, 145232), (365, 145265), (371, 145280), (408, 145415), (431, 145490), (443, 145547), (444, 145550),

Gene: ShroomBoi_27 Start: 25443, Stop: 26597, Start Num: 68

Candidate Starts for ShroomBoi_27:

(Start: 68 @25443 has 192 MA's), (91, 25527), (141, 25677), (151, 25731), (187, 25872), (287, 25953), (318, 26079), (319, 26085), (328, 26124), (338, 26184), (342, 26199), (349, 26241), (361, 26277), (362, 26280), (377, 26331), (379, 26340), (418, 26454), (452, 26565), (460, 26586),

Gene: SiSi_30 Start: 26302, Stop: 27498, Start Num: 135

Candidate Starts for SiSi_30:

(Start: 135 @26302 has 40 MA's), (156, 26386), (199, 26536), (218, 26590), (240, 26683), (248, 26731), (262, 26842), (266, 26863), (322, 27145), (325, 27166), (346, 27262), (359, 27307), (373, 27352), (380, 27376), (396, 27436),

Gene: SilverChicken_37 Start: 26253, Stop: 27422, Start Num: 68

Candidate Starts for SilverChicken_37:

(Start: 68 @26253 has 192 MA's), (91, 26337), (141, 26487), (151, 26541), (174, 26634), (187, 26682), (307, 26859), (318, 26901), (320, 26910), (345, 27048), (452, 27390), (461, 27411),

Gene: SilverDipper_255 Start: 143218, Stop: 144648, Start Num: 112

Candidate Starts for SilverDipper_255:

(Start: 112 @143218 has 191 MA's), (138, 143308), (152, 143371), (185, 143494), (192, 143518), (219, 143602), (230, 143644), (241, 143686), (265, 143851), (266, 143854), (318, 144109), (326, 144148), (332, 144178), (346, 144241), (351, 144262), (352, 144271), (354, 144274), (365, 144307), (371, 144322), (408, 144457), (431, 144532), (443, 144589), (444, 144592),

Gene: Silverleaf_25 Start: 24375, Stop: 25547, Start Num: 61

Candidate Starts for Silverleaf_25:

(54, 24345), (Start: 61 @24375 has 30 MA's), (194, 24822), (287, 24900), (296, 24945), (318, 25020), (328, 25065), (342, 25140), (345, 25167), (349, 25185), (361, 25221), (362, 25224), (379, 25284), (395, 25335), (399, 25350), (430, 25419), (436, 25443), (456, 25503),

Gene: SimranZ1_33 Start: 26526, Stop: 27818, Start Num: 68

Candidate Starts for SimranZ1_33:

(Start: 68 @26526 has 192 MA's), (104, 26646), (128, 26718), (154, 26835), (155, 26838), (178, 26916), (200, 26997), (272, 27039), (307, 27216), (318, 27258), (320, 27267), (349, 27423), (418, 27636), (432, 27678), (434, 27687), (451, 27744), (452, 27747),

Gene: SiwenD96_253 Start: 144512, Stop: 145942, Start Num: 112

Candidate Starts for SiwenD96_253:

(Start: 112 @144512 has 191 MA's), (138, 144602), (152, 144665), (185, 144788), (192, 144812), (219, 144896), (230, 144938), (241, 144980), (265, 145145), (266, 145148), (318, 145403), (326, 145442), (332, 145472), (346, 145535), (351, 145556), (352, 145565), (354, 145568), (365, 145601), (371, 145616), (408, 145751), (431, 145826), (443, 145883), (444, 145886),

Gene: Skinny_36 Start: 30228, Stop: 31595, Start Num: 74

Candidate Starts for Skinny_36:

(Start: 74 @30228 has 16 MA's), (89, 30285), (98, 30312), (114, 30351), (148, 30489), (153, 30513), (173, 30591), (176, 30597), (177, 30600), (195, 30675), (295, 30807), (304, 30834), (306, 30843), (323, 30897), (328, 30924), (333, 30954), (343, 31008), (359, 31080), (410, 31266), (445, 31386), (451, 31407), (457, 31425), (463, 31440), (471, 31470), (475, 31500), (478, 31536), (479, 31539), (485, 31575),

Gene: Slim_32 Start: 27698, Stop: 28891, Start Num: 68

Candidate Starts for Slim_32:

(Start: 68 @27698 has 192 MA's), (91, 27782), (141, 27932), (151, 27986), (187, 28127), (287, 28208), (318, 28334), (319, 28340), (320, 28343), (328, 28379), (342, 28454), (349, 28496), (361, 28532), (379, 28595), (418, 28709), (432, 28751), (434, 28760), (451, 28817), (452, 28820),

Gene: SlimJimmy_34 Start: 29782, Stop: 31149, Start Num: 74

Candidate Starts for SlimJimmy_34:

(Start: 74 @29782 has 16 MA's), (89, 29839), (98, 29866), (105, 29881), (113, 29902), (114, 29905), (148, 30043), (153, 30067), (173, 30145), (176, 30151), (177, 30154), (195, 30229), (295, 30361), (304, 30388), (306, 30397), (323, 30451), (328, 30478), (333, 30508), (343, 30562), (359, 30634), (410, 30820), (445, 30940), (451, 30961), (457, 30979), (463, 30994), (471, 31024), (475, 31054), (478, 31090), (479, 31093), (485, 31129),

Gene: SlippinJimmy_46 Start: 41078, Stop: 42301, Start Num: 60

Candidate Starts for SlippinJimmy_46:

(Start: 34 @40964 has 1 MA's), (35, 40967), (Start: 60 @41078 has 22 MA's), (Start: 66 @41099 has 1 MA's), (73, 41126), (76, 41141), (88, 41183), (Start: 110 @41234 has 1 MA's), (134, 41324), (141, 41339), (165, 41453), (194, 41555), (307, 41717), (318, 41762), (319, 41768), (320, 41771), (322, 41777), (328, 41807), (345, 41909), (361, 41966), (377, 42017), (384, 42053), (387, 42065), (395, 42098), (399, 42113), (453, 42263),

Gene: SmallFry_251 Start: 142576, Stop: 144006, Start Num: 112

Candidate Starts for SmallFry_251:

(Start: 112 @142576 has 191 MA's), (138, 142666), (152, 142729), (185, 142852), (192, 142876), (219, 142960), (230, 143002), (241, 143044), (265, 143209), (266, 143212), (318, 143467), (326, 143506), (332, 143536), (346, 143599), (351, 143620), (352, 143629), (354, 143632), (365, 143665), (371, 143680), (408, 143815), (431, 143890), (443, 143947), (444, 143950),

Gene: Smooch_69 Start: 43911, Stop: 45155, Start Num: 131

Candidate Starts for Smooch_69:

(Start: 131 @43911 has 32 MA's), (144, 43947), (156, 43998), (157, 44004), (158, 44007), (199, 44154), (218, 44208), (240, 44301), (248, 44349), (262, 44457), (266, 44478), (322, 44766), (346, 44883), (353, 44916), (359, 44928), (373, 44979), (380, 45003), (396, 45063), (411, 45108),

Gene: SoJulia_28 Start: 25347, Stop: 26516, Start Num: 61

Candidate Starts for SoJulia_28:

(Start: 61 @25347 has 30 MA's), (115, 25515), (137, 25599), (151, 25659), (193, 25788), (287, 25869), (318, 25989), (319, 25995), (345, 26136), (349, 26154), (361, 26190), (379, 26253), (429, 26385), (430, 26388), (436, 26412),

Gene: SoilZilla_243 Start: 141720, Stop: 143150, Start Num: 112

Candidate Starts for SoilZilla_243:

(93, 141678), (Start: 112 @141720 has 191 MA's), (138, 141810), (152, 141873), (185, 141996), (192, 142020), (219, 142104), (230, 142146), (241, 142188), (265, 142353), (266, 142356), (318, 142611), (326, 142650), (332, 142680), (346, 142743), (351, 142764), (352, 142773), (354, 142776), (365, 142809), (371, 142824), (408, 142959), (431, 143034), (444, 143094),

Gene: Soul22_34 Start: 25851, Stop: 27032, Start Num: 68

Candidate Starts for Soul22_34:

(Start: 68 @25851 has 192 MA's), (91, 25935), (141, 26085), (151, 26139), (187, 26280), (307, 26457), (318, 26499), (320, 26508), (349, 26664), (418, 26877), (452, 26988),

Gene: Sparkdehlily_30 Start: 26346, Stop: 27617, Start Num: 68

Candidate Starts for Sparkdehlily_30:

(Start: 68 @26346 has 192 MA's), (104, 26463), (128, 26535), (154, 26652), (155, 26655), (178, 26733), (200, 26814), (272, 26856), (286, 26934), (318, 27060), (338, 27165), (342, 27180), (349, 27222), (361, 27258), (362, 27261), (377, 27312), (379, 27321), (418, 27435), (432, 27477), (434, 27486), (451, 27543), (452, 27546),

Gene: Spartacus_32 Start: 26738, Stop: 28030, Start Num: 68

Candidate Starts for Spartacus_32:

(Start: 68 @26738 has 192 MA's), (104, 26858), (154, 27047), (155, 27050), (178, 27128), (200, 27209), (272, 27251), (286, 27329), (318, 27455), (319, 27461), (328, 27500), (338, 27560), (342, 27575), (347, 27611), (349, 27617), (361, 27653), (363, 27671), (377, 27707), (379, 27716), (418, 27830), (452, 27941),

Gene: Spec_245 Start: 142588, Stop: 144018, Start Num: 112

Candidate Starts for Spec_245:

(Start: 112 @142588 has 191 MA's), (138, 142678), (152, 142741), (185, 142864), (192, 142888), (219, 142972), (230, 143014), (241, 143056), (265, 143221), (266, 143224), (318, 143479), (326, 143518), (332, 143548), (346, 143611), (351, 143632), (352, 143641), (354, 143644), (365, 143677), (371, 143692), (408, 143827), (431, 143902), (443, 143959), (444, 143962),

Gene: Specks_255 Start: 143516, Stop: 144946, Start Num: 112

Candidate Starts for Specks_255:

(Start: 112 @143516 has 191 MA's), (138, 143606), (152, 143669), (185, 143792), (192, 143816), (219, 143900), (230, 143942), (241, 143984), (265, 144149), (266, 144152), (318, 144407), (326, 144446), (332, 144476), (346, 144539), (351, 144560), (352, 144569), (354, 144572), (365, 144605), (371, 144620), (408, 144755), (431, 144830), (443, 144887), (444, 144890),

Gene: Spikelee_32 Start: 26496, Stop: 27770, Start Num: 68

Candidate Starts for Spikelee_32:

(Start: 68 @26496 has 192 MA's), (104, 26616), (128, 26688), (154, 26805), (155, 26808), (178, 26886), (200, 26967), (272, 27009), (286, 27087), (318, 27213), (319, 27219), (320, 27222), (328, 27258), (333, 27288), (338, 27318), (342, 27333), (349, 27375), (361, 27411), (362, 27414), (377, 27465), (379, 27474), (418, 27588), (432, 27630), (434, 27639), (451, 27696), (452, 27699),

Gene: Spoonbill_30 Start: 26510, Stop: 27781, Start Num: 68

Candidate Starts for Spoonbill_30:

(Start: 68 @26510 has 192 MA's), (104, 26627), (128, 26699), (154, 26816), (155, 26819), (178, 26897), (200, 26978), (272, 27020), (286, 27098), (318, 27224), (338, 27329), (342, 27344), (349, 27386), (361, 27422), (362, 27425), (377, 27476), (379, 27485), (418, 27599), (432, 27641), (434, 27650), (451, 27707), (452, 27710),

Gene: Sprinklers_248 Start: 142284, Stop: 143714, Start Num: 112

Candidate Starts for Sprinklers_248:

(Start: 112 @142284 has 191 MA's), (138, 142374), (152, 142437), (185, 142560), (192, 142584), (219, 142668), (230, 142710), (241, 142752), (265, 142917), (266, 142920), (318, 143175), (326, 143214), (332, 143244), (346, 143307), (351, 143328), (352, 143337), (354, 143340), (365, 143373),

(371, 143388), (408, 143523), (431, 143598), (443, 143655), (444, 143658),

Gene: Spud_242 Start: 142033, Stop: 143463, Start Num: 112

Candidate Starts for Spud_242:

(Start: 112 @142033 has 191 MA's), (138, 142123), (152, 142186), (185, 142309), (192, 142333), (219, 142417), (230, 142459), (241, 142501), (265, 142666), (266, 142669), (318, 142924), (326, 142963), (332, 142993), (346, 143056), (351, 143077), (352, 143086), (354, 143089), (365, 143122), (371, 143137), (408, 143272), (431, 143347), (443, 143404), (444, 143407),

Gene: SrishMeg2525_248 Start: 143671, Stop: 145101, Start Num: 112

Candidate Starts for SrishMeg2525_248:

(Start: 112 @143671 has 191 MA's), (138, 143761), (152, 143824), (185, 143947), (192, 143971), (219, 144055), (230, 144097), (241, 144139), (265, 144304), (266, 144307), (318, 144562), (326, 144601), (332, 144631), (346, 144694), (351, 144715), (352, 144724), (354, 144727), (365, 144760), (371, 144775), (408, 144910), (431, 144985), (443, 145042), (444, 145045),

Gene: StAnnes_28 Start: 26065, Stop: 27231, Start Num: 68

Candidate Starts for StAnnes_28:

(6, 25657), (20, 25801), (Start: 68 @26065 has 192 MA's), (91, 26149), (141, 26299), (151, 26353), (187, 26494), (287, 26575), (318, 26701), (319, 26707), (328, 26746), (338, 26806), (342, 26821), (349, 26863), (361, 26899), (362, 26902), (377, 26953), (379, 26962), (418, 27076), (452, 27187),

Gene: StAugustine_53 Start: 44382, Stop: 45980, Start Num: 79

Candidate Starts for StAugustine_53:

(Start: 79 @44382 has 31 MA's), (94, 44430), (125, 44499), (162, 44601), (170, 44640), (183, 44679), (185, 44691), (214, 44793), (228, 44868), (246, 44946), (265, 45102), (276, 45183), (280, 45207), (281, 45210), (283, 45213), (322, 45372), (323, 45375), (324, 45381), (346, 45516), (355, 45555), (367, 45591), (377, 45615), (424, 45789), (433, 45822), (465, 45936), (474, 45969),

Gene: Stap_31 Start: 26476, Stop: 27678, Start Num: 68

Candidate Starts for Stap_31:

(Start: 68 @26476 has 192 MA's), (91, 26560), (141, 26710), (151, 26764), (187, 26905), (287, 26983), (318, 27109), (319, 27115), (328, 27154), (338, 27214), (342, 27229), (349, 27271), (361, 27307), (362, 27310), (377, 27361), (379, 27370), (432, 27535), (436, 27553), (452, 27604), (456, 27613),

Gene: Starceovich_33 Start: 26624, Stop: 28400, Start Num: 68

Candidate Starts for Starceovich_33:

(Start: 68 @26624 has 192 MA's), (91, 26708), (151, 26912), (187, 27053), (195, 27086), (207, 27134), (210, 27233), (269, 27626), (302, 27779), (321, 27857), (334, 27920), (341, 27959), (381, 28112), (393, 28148),

Gene: StephanieG_244 Start: 143219, Stop: 144649, Start Num: 112

Candidate Starts for StephanieG_244:

(Start: 112 @143219 has 191 MA's), (138, 143309), (139, 143312), (152, 143372), (185, 143495), (192, 143519), (219, 143603), (230, 143645), (241, 143687), (265, 143852), (266, 143855), (318, 144110), (326, 144149), (332, 144179), (346, 144242), (351, 144263), (352, 144272), (354, 144275), (365, 144308), (371, 144323), (408, 144458), (431, 144533), (443, 144590), (444, 144593),

Gene: Stinger_42 Start: 39109, Stop: 40842, Start Num: 79

Candidate Starts for Stinger_42:

(53, 39013), (Start: 79 @39109 has 31 MA's), (105, 39178), (115, 39202), (120, 39223), (121, 39226), (125, 39238), (143, 39310), (165, 39403), (185, 39475), (192, 39499), (217, 39601), (255, 39790), (265, 39865), (276, 39946), (280, 39970), (281, 39973), (292, 40015), (319, 40126), (322, 40135),

(346, 40279), (367, 40345), (377, 40369), (383, 40396), (390, 40426), (412, 40501), (425, 40546),
(433, 40573), (446, 40636),

Gene: Strokeseat_30 Start: 26586, Stop: 27752, Start Num: 68

Candidate Starts for Strokeseat_30:

(14, 26313), (17, 26316), (Start: 68 @26586 has 192 MA's), (91, 26670), (141, 26820), (151, 26874),
(187, 27015), (287, 27096), (318, 27222), (319, 27228), (328, 27267), (342, 27342), (349, 27384),
(361, 27420), (363, 27438), (377, 27474), (379, 27483), (418, 27597),

Gene: Stubby_233 Start: 140004, Stop: 141434, Start Num: 112

Candidate Starts for Stubby_233:

(93, 139962), (Start: 112 @140004 has 191 MA's), (138, 140094), (152, 140157), (185, 140280), (192,
140304), (219, 140388), (230, 140430), (241, 140472), (265, 140637), (266, 140640), (318, 140895),
(326, 140934), (332, 140964), (346, 141027), (351, 141048), (352, 141057), (354, 141060), (365,
141093), (371, 141108), (408, 141243), (431, 141318), (444, 141378),

Gene: StubbySaigey_257 Start: 143201, Stop: 144631, Start Num: 112

Candidate Starts for StubbySaigey_257:

(Start: 112 @143201 has 191 MA's), (138, 143291), (152, 143354), (185, 143477), (192, 143501),
(219, 143585), (230, 143627), (241, 143669), (265, 143834), (266, 143837), (318, 144092), (326,
144131), (332, 144161), (346, 144224), (351, 144245), (352, 144254), (354, 144257), (365, 144290),
(371, 144305), (408, 144440), (431, 144515), (443, 144572), (444, 144575),

Gene: Substance289_246 Start: 142624, Stop: 144054, Start Num: 112

Candidate Starts for Substance289_246:

(Start: 112 @142624 has 191 MA's), (138, 142714), (152, 142777), (185, 142900), (192, 142924),
(219, 143008), (230, 143050), (241, 143092), (265, 143257), (266, 143260), (318, 143515), (326,
143554), (332, 143584), (346, 143647), (351, 143668), (352, 143677), (354, 143680), (365, 143713),
(371, 143728), (408, 143863), (431, 143938), (443, 143995), (444, 143998),

Gene: SuperGrey_31 Start: 27204, Stop: 28496, Start Num: 68

Candidate Starts for SuperGrey_31:

(Start: 68 @27204 has 192 MA's), (104, 27324), (154, 27513), (155, 27516), (178, 27594), (200,
27675), (272, 27717), (286, 27795), (318, 27921), (319, 27927), (328, 27966), (338, 28026), (342,
28041), (349, 28083), (361, 28119), (362, 28122), (363, 28137), (377, 28173), (379, 28182), (418,
28296), (452, 28407),

Gene: SuperSonics_40 Start: 33575, Stop: 34966, Start Num: 51

Candidate Starts for SuperSonics_40:

(Start: 51 @33575 has 3 MA's), (Start: 60 @33614 has 22 MA's), (70, 33650), (84, 33710), (92, 33740),
(130, 33857), (140, 33881), (166, 33998), (181, 34043), (274, 34118), (276, 34127), (299, 34214),
(322, 34286), (337, 34373), (342, 34391), (356, 34463), (361, 34475), (377, 34529), (380, 34541),
(384, 34565), (407, 34643), (417, 34676), (423, 34691), (439, 34760), (456, 34799), (468, 34838),
(474, 34859), (486, 34958),

Gene: SwagPiggett_30 Start: 26314, Stop: 27510, Start Num: 135

Candidate Starts for SwagPiggett_30:

(Start: 135 @26314 has 40 MA's), (156, 26398), (199, 26548), (218, 26602), (240, 26695), (248,
26743), (262, 26854), (266, 26875), (322, 27157), (325, 27178), (346, 27274), (359, 27319), (373,
27364), (380, 27388), (396, 27448),

Gene: SwainyDoc_46 Start: 40308, Stop: 41531, Start Num: 60

Candidate Starts for SwainyDoc_46:

(41, 40236), (Start: 45 @40254 has 11 MA's), (47, 40257), (Start: 50 @40266 has 16 MA's), (Start: 60 @40308 has 22 MA's), (Start: 66 @40329 has 1 MA's), (73, 40356), (76, 40371), (88, 40413), (Start: 110 @40464 has 1 MA's), (134, 40554), (141, 40569), (165, 40683), (194, 40785), (307, 40947), (318, 40992), (319, 40998), (320, 41001), (322, 41007), (328, 41037), (345, 41139), (361, 41196), (377, 41247), (384, 41283), (387, 41295), (395, 41328), (399, 41343), (453, 41493),

Gene: SynergyX_46 Start: 40271, Stop: 41536, Start Num: 50

Candidate Starts for SynergyX_46:

(41, 40241), (Start: 45 @40259 has 11 MA's), (47, 40262), (Start: 50 @40271 has 16 MA's), (Start: 60 @40313 has 22 MA's), (Start: 66 @40334 has 1 MA's), (73, 40361), (76, 40376), (88, 40418), (Start: 110 @40469 has 1 MA's), (134, 40559), (141, 40574), (165, 40688), (194, 40790), (307, 40952), (318, 40997), (319, 41003), (320, 41006), (322, 41012), (328, 41042), (345, 41144), (361, 41201), (377, 41252), (384, 41288), (387, 41300), (395, 41333), (399, 41348), (453, 41498),

Gene: TChen_30 Start: 26827, Stop: 28125, Start Num: 100

Candidate Starts for TChen_30:

(Start: 100 @26827 has 18 MA's), (124, 26899), (142, 26947), (144, 26965), (157, 27019), (196, 27136), (198, 27139), (227, 27241), (239, 27298), (248, 27352), (266, 27478), (267, 27481), (284, 27595), (288, 27607), (301, 27670), (322, 27766), (346, 27883), (353, 27916), (359, 27928), (372, 27973), (382, 28012), (389, 28033), (398, 28066), (411, 28105),

Gene: TDanisky_30 Start: 26346, Stop: 27617, Start Num: 68

Candidate Starts for TDanisky_30:

(Start: 68 @26346 has 192 MA's), (104, 26463), (128, 26535), (154, 26652), (155, 26655), (178, 26733), (200, 26814), (272, 26856), (286, 26934), (318, 27060), (338, 27165), (342, 27180), (349, 27222), (361, 27258), (362, 27261), (377, 27312), (379, 27321), (418, 27435), (432, 27477), (434, 27486), (451, 27543), (452, 27546),

Gene: TM4_29 Start: 23341, Stop: 24984, Start Num: 95

Candidate Starts for TM4_29:

(Start: 95 @23341 has 4 MA's), (118, 23392), (119, 23395), (127, 23431), (138, 23467), (188, 23668), (197, 23698), (235, 23836), (249, 23908), (251, 23923), (261, 23989), (264, 23998), (265, 24007), (266, 24010), (280, 24112), (323, 24283), (330, 24319), (332, 24334), (346, 24397), (366, 24466), (377, 24499), (448, 24754), (480, 24886), (481, 24889), (488, 24952),

Gene: Tainan_250 Start: 142139, Stop: 143569, Start Num: 112

Candidate Starts for Tainan_250:

(Start: 112 @142139 has 191 MA's), (138, 142229), (139, 142232), (152, 142292), (185, 142415), (192, 142439), (219, 142523), (230, 142565), (241, 142607), (265, 142772), (266, 142775), (318, 143030), (326, 143069), (332, 143099), (346, 143162), (351, 143183), (352, 143192), (354, 143195), (365, 143228), (371, 143243), (408, 143378), (431, 143453), (443, 143510), (444, 143513),

Gene: Taj_30 Start: 26531, Stop: 27685, Start Num: 68

Candidate Starts for Taj_30:

(14, 26258), (21, 26279), (Start: 68 @26531 has 192 MA's), (91, 26615), (141, 26765), (151, 26819), (187, 26960), (287, 27041), (318, 27167), (319, 27173), (328, 27212), (338, 27272), (342, 27287), (349, 27329), (361, 27365), (362, 27368), (377, 27419), (379, 27428), (418, 27542), (452, 27653), (460, 27674),

Gene: Tchotchke_30 Start: 25845, Stop: 27119, Start Num: 68

Candidate Starts for Tchotchke_30:

(Start: 68 @25845 has 192 MA's), (104, 25965), (154, 26154), (155, 26157), (178, 26235), (200, 26316), (272, 26358), (286, 26436), (318, 26562), (319, 26568), (320, 26571), (328, 26607), (342,

26682), (349, 26724), (361, 26760), (363, 26778), (377, 26814), (379, 26823), (418, 26937), (432, 26979), (434, 26988), (451, 27045), (452, 27048),

Gene: Teardrop_249 Start: 142528, Stop: 143958, Start Num: 112

Candidate Starts for Teardrop_249:

(Start: 112 @142528 has 191 MA's), (138, 142618), (152, 142681), (185, 142804), (192, 142828), (219, 142912), (230, 142954), (241, 142996), (265, 143161), (266, 143164), (318, 143419), (326, 143458), (332, 143488), (346, 143551), (351, 143572), (352, 143581), (354, 143584), (365, 143617), (371, 143632), (408, 143767), (431, 143842), (443, 143899), (444, 143902),

Gene: TelAviv_63 Start: 42164, Stop: 43384, Start Num: 131

Candidate Starts for TelAviv_63:

(Start: 131 @42164 has 32 MA's), (144, 42200), (156, 42251), (157, 42257), (199, 42407), (218, 42461), (240, 42554), (248, 42602), (262, 42710), (266, 42731), (322, 43019), (346, 43136), (353, 43169), (359, 43181), (373, 43232), (380, 43256), (396, 43316), (411, 43361),

Gene: Tesla_52 Start: 29814, Stop: 31193, Start Num: 75

Candidate Starts for Tesla_52:

(Start: 75 @29814 has 20 MA's), (103, 29871), (117, 29907), (122, 29931), (127, 29943), (161, 30066), (169, 30108), (190, 30180), (195, 30204), (199, 30210), (221, 30291), (242, 30360), (244, 30363), (248, 30399), (251, 30435), (262, 30507), (265, 30525), (266, 30528), (284, 30645), (291, 30675), (322, 30807), (325, 30828), (332, 30861), (345, 30915), (346, 30921), (380, 31041), (388, 31071), (394, 31092), (403, 31122),

Gene: ThetaBob_29 Start: 25694, Stop: 27004, Start Num: 68

Candidate Starts for ThetaBob_29:

(Start: 68 @25694 has 192 MA's), (104, 25811), (128, 25883), (154, 26000), (155, 26003), (178, 26081), (200, 26162), (272, 26213), (307, 26390), (318, 26432), (320, 26441), (349, 26597), (418, 26819), (432, 26861), (434, 26870), (447, 26912), (451, 26927), (452, 26930), (454, 26936), (470, 26984),

Gene: Thonko_46 Start: 38334, Stop: 39899, Start Num: 96

Candidate Starts for Thonko_46:

(Start: 96 @38334 has 4 MA's), (Start: 102 @38343 has 1 MA's), (126, 38418), (133, 38454), (138, 38466), (170, 38607), (183, 38646), (185, 38658), (186, 38664), (214, 38760), (232, 38865), (249, 38952), (251, 38967), (258, 39015), (265, 39051), (294, 39213), (319, 39300), (322, 39309), (346, 39453), (367, 39519), (374, 39534), (377, 39543), (383, 39570), (411, 39672), (420, 39702), (425, 39720), (464, 39846),

Gene: TinyTerror_46 Start: 40298, Stop: 41521, Start Num: 60

Candidate Starts for TinyTerror_46:

(Start: 34 @40184 has 1 MA's), (35, 40187), (Start: 60 @40298 has 22 MA's), (Start: 66 @40319 has 1 MA's), (73, 40346), (76, 40361), (88, 40403), (Start: 110 @40454 has 1 MA's), (134, 40544), (141, 40559), (165, 40673), (194, 40775), (307, 40937), (318, 40982), (319, 40988), (320, 40991), (322, 40997), (328, 41027), (345, 41129), (361, 41186), (377, 41237), (384, 41273), (387, 41285), (395, 41318), (399, 41333), (453, 41483),

Gene: TinyTim_249 Start: 142495, Stop: 143925, Start Num: 112

Candidate Starts for TinyTim_249:

(Start: 112 @142495 has 191 MA's), (138, 142585), (152, 142648), (185, 142771), (192, 142795), (219, 142879), (230, 142921), (241, 142963), (265, 143128), (266, 143131), (318, 143386), (326, 143425), (332, 143455), (346, 143518), (351, 143539), (352, 143548), (354, 143551), (365, 143584), (371, 143599), (408, 143734), (431, 143809), (443, 143866), (444, 143869),

Gene: Tonenili_272 Start: 147835, Stop: 149253, Start Num: 112

Candidate Starts for Tonenili_272:

(Start: 112 @147835 has 191 MA's), (152, 147988), (171, 148060), (183, 148099), (185, 148111), (192, 148135), (219, 148246), (230, 148288), (285, 148585), (297, 148642), (312, 148702), (345, 148831), (350, 148855), (368, 148918), (371, 148927), (408, 149062), (428, 149131), (431, 149137), (444, 149197),

Gene: TootsiePop_31 Start: 26205, Stop: 27407, Start Num: 68

Candidate Starts for TootsiePop_31:

(Start: 68 @26205 has 192 MA's), (91, 26289), (141, 26439), (151, 26493), (187, 26634), (287, 26715), (318, 26841), (319, 26847), (320, 26850), (328, 26886), (342, 26961), (349, 27003), (361, 27039), (377, 27093), (379, 27102), (399, 27168), (418, 27225), (432, 27267), (434, 27276), (447, 27318), (451, 27333), (452, 27336),

Gene: Tootsieroll_31 Start: 26372, Stop: 27574, Start Num: 68

Candidate Starts for Tootsieroll_31:

(Start: 68 @26372 has 192 MA's), (91, 26456), (141, 26606), (151, 26660), (187, 26801), (287, 26879), (318, 27005), (319, 27011), (328, 27050), (338, 27110), (342, 27125), (349, 27167), (361, 27203), (362, 27206), (377, 27257), (379, 27266), (432, 27431), (436, 27449), (452, 27500), (456, 27509),

Gene: Topiatin_33 Start: 26996, Stop: 28204, Start Num: 135

Candidate Starts for Topiatin_33:

(Start: 135 @26996 has 40 MA's), (158, 27092), (164, 27116), (191, 27209), (192, 27212), (212, 27257), (238, 27386), (248, 27437), (262, 27548), (266, 27569), (322, 27851), (325, 27872), (326, 27875), (346, 27968), (359, 28013), (373, 28058), (380, 28082), (396, 28142),

Gene: Toron_31 Start: 26744, Stop: 28024, Start Num: 100

Candidate Starts for Toron_31:

(Start: 100 @26744 has 18 MA's), (142, 26864), (196, 27053), (198, 27056), (239, 27215), (248, 27266), (252, 27305), (266, 27392), (267, 27395), (279, 27497), (280, 27500), (288, 27521), (301, 27584), (322, 27680), (346, 27797), (351, 27818), (353, 27830), (372, 27875), (382, 27914), (394, 27953), (396, 27962), (411, 28007),

Gene: Tortoise16_248 Start: 142508, Stop: 143938, Start Num: 112

Candidate Starts for Tortoise16_248:

(Start: 112 @142508 has 191 MA's), (138, 142598), (152, 142661), (185, 142784), (192, 142808), (219, 142892), (230, 142934), (241, 142976), (265, 143141), (266, 143144), (318, 143399), (326, 143438), (332, 143468), (346, 143531), (351, 143552), (352, 143561), (354, 143564), (365, 143597), (371, 143612), (408, 143747), (431, 143822), (443, 143879), (444, 143882),

Gene: Totinger_31 Start: 26230, Stop: 27501, Start Num: 68

Candidate Starts for Totinger_31:

(Start: 68 @26230 has 192 MA's), (104, 26347), (128, 26419), (154, 26536), (155, 26539), (178, 26617), (200, 26698), (272, 26740), (286, 26818), (318, 26944), (338, 27049), (342, 27064), (349, 27106), (361, 27142), (362, 27145), (377, 27196), (379, 27205), (418, 27319), (432, 27361), (434, 27370), (451, 27427), (452, 27430),

Gene: TpudiCK_36 Start: 29798, Stop: 31165, Start Num: 74

Candidate Starts for TpudiCK_36:

(Start: 74 @29798 has 16 MA's), (89, 29855), (98, 29882), (114, 29921), (148, 30059), (153, 30083), (173, 30161), (176, 30167), (177, 30170), (195, 30245), (295, 30377), (304, 30404), (306, 30413), (323, 30467), (328, 30494), (333, 30524), (343, 30578), (359, 30650), (410, 30836), (445, 30956),

(451, 30977), (457, 30995), (463, 31010), (471, 31040), (475, 31070), (478, 31106), (479, 31109), (485, 31145),

Gene: Trinitium_247 Start: 141249, Stop: 142679, Start Num: 112

Candidate Starts for Trinitium_247:

(Start: 112 @141249 has 191 MA's), (138, 141339), (152, 141402), (185, 141525), (192, 141549), (219, 141633), (230, 141675), (241, 141717), (265, 141882), (266, 141885), (318, 142140), (326, 142179), (332, 142209), (346, 142272), (351, 142293), (352, 142302), (354, 142305), (365, 142338), (371, 142353), (408, 142488), (431, 142563), (443, 142620), (444, 142623),

Gene: Turret_241 Start: 140382, Stop: 141812, Start Num: 112

Candidate Starts for Turret_241:

(Start: 112 @140382 has 191 MA's), (138, 140472), (152, 140535), (185, 140658), (192, 140682), (219, 140766), (230, 140808), (241, 140850), (265, 141015), (266, 141018), (318, 141273), (326, 141312), (332, 141342), (346, 141405), (351, 141426), (352, 141435), (354, 141438), (365, 141471), (371, 141486), (408, 141621), (431, 141696), (443, 141753), (444, 141756),

Gene: Tweety_30 Start: 26532, Stop: 27743, Start Num: 68

Candidate Starts for Tweety_30:

(14, 26259), (22, 26280), (Start: 68 @26532 has 192 MA's), (91, 26616), (141, 26766), (151, 26820), (187, 26961), (287, 27042), (318, 27168), (319, 27174), (320, 27177), (342, 27288), (349, 27330), (361, 27366), (377, 27420), (379, 27429), (418, 27543), (452, 27654),

Gene: TyDawg_35 Start: 29799, Stop: 31166, Start Num: 74

Candidate Starts for TyDawg_35:

(Start: 74 @29799 has 16 MA's), (89, 29856), (98, 29883), (114, 29922), (148, 30060), (153, 30084), (173, 30162), (176, 30168), (177, 30171), (195, 30246), (295, 30378), (304, 30405), (306, 30414), (323, 30468), (328, 30495), (333, 30525), (343, 30579), (359, 30651), (410, 30837), (445, 30957), (451, 30978), (457, 30996), (463, 31011), (471, 31041), (475, 31071), (478, 31107), (479, 31110), (485, 31146),

Gene: Tydolla_46 Start: 41005, Stop: 42270, Start Num: 50

Candidate Starts for Tydolla_46:

(41, 40975), (Start: 45 @40993 has 11 MA's), (47, 40996), (Start: 50 @41005 has 16 MA's), (Start: 60 @41047 has 22 MA's), (Start: 66 @41068 has 1 MA's), (73, 41095), (76, 41110), (88, 41152), (Start: 110 @41203 has 1 MA's), (134, 41293), (141, 41308), (165, 41422), (194, 41524), (307, 41686), (318, 41731), (319, 41737), (320, 41740), (322, 41746), (328, 41776), (345, 41878), (361, 41935), (377, 41986), (384, 42022), (387, 42034), (395, 42067), (399, 42082), (453, 42232),

Gene: Tyke_247 Start: 144631, Stop: 146061, Start Num: 112

Candidate Starts for Tyke_247:

(Start: 112 @144631 has 191 MA's), (138, 144721), (152, 144784), (185, 144907), (192, 144931), (219, 145015), (230, 145057), (241, 145099), (265, 145264), (266, 145267), (318, 145522), (326, 145561), (332, 145591), (346, 145654), (351, 145675), (352, 145684), (354, 145687), (365, 145720), (371, 145735), (408, 145870), (431, 145945), (443, 146002), (444, 146005),

Gene: Tyson_25 Start: 24375, Stop: 25547, Start Num: 61

Candidate Starts for Tyson_25:

(54, 24345), (Start: 61 @24375 has 30 MA's), (194, 24822), (287, 24900), (296, 24945), (318, 25020), (328, 25065), (342, 25140), (345, 25167), (349, 25185), (361, 25221), (362, 25224), (379, 25284), (395, 25335), (399, 25350), (430, 25419), (436, 25443), (456, 25503),

Gene: UPIE_25 Start: 24373, Stop: 25545, Start Num: 61

Candidate Starts for UPIE_25:

(54, 24343), (Start: 61 @24373 has 30 MA's), (194, 24820), (287, 24898), (296, 24943), (318, 25018), (328, 25063), (342, 25138), (345, 25165), (349, 25183), (361, 25219), (362, 25222), (379, 25282), (395, 25333), (399, 25348), (430, 25417), (436, 25441), (456, 25501),

Gene: UncleRicky_33 Start: 27639, Stop: 28832, Start Num: 68

Candidate Starts for UncleRicky_33:

(Start: 68 @27639 has 192 MA's), (91, 27723), (141, 27873), (151, 27927), (187, 28068), (287, 28149), (318, 28275), (319, 28281), (342, 28395), (349, 28437), (361, 28473), (363, 28491), (377, 28527), (379, 28536), (418, 28650), (432, 28692), (434, 28701), (451, 28758), (452, 28761),

Gene: VRedHorse_30 Start: 26539, Stop: 27690, Start Num: 68

Candidate Starts for VRedHorse_30:

(14, 26266), (21, 26287), (Start: 68 @26539 has 192 MA's), (91, 26623), (141, 26773), (151, 26827), (187, 26968), (287, 27046), (318, 27172), (319, 27178), (328, 27217), (338, 27277), (342, 27292), (349, 27334), (361, 27370), (362, 27373), (377, 27424), (379, 27433), (418, 27547), (452, 27658), (459, 27676), (460, 27679),

Gene: Vagabond_66 Start: 42027, Stop: 43247, Start Num: 131

Candidate Starts for Vagabond_66:

(Start: 131 @42027 has 32 MA's), (144, 42063), (156, 42114), (157, 42120), (158, 42123), (199, 42270), (218, 42324), (240, 42417), (248, 42465), (262, 42573), (266, 42594), (322, 42882), (346, 42999), (353, 43032), (359, 43044), (373, 43095), (380, 43119), (396, 43179), (411, 43224),

Gene: ValleyTerrace_251 Start: 141959, Stop: 143389, Start Num: 112

Candidate Starts for ValleyTerrace_251:

(Start: 112 @141959 has 191 MA's), (138, 142049), (152, 142112), (185, 142235), (192, 142259), (219, 142343), (230, 142385), (241, 142427), (265, 142592), (266, 142595), (318, 142850), (326, 142889), (332, 142919), (346, 142982), (351, 143003), (352, 143012), (354, 143015), (365, 143048), (371, 143063), (408, 143198), (431, 143273), (443, 143330), (444, 143333),

Gene: VasuNzinga_54 Start: 29883, Stop: 31262, Start Num: 75

Candidate Starts for VasuNzinga_54:

(Start: 75 @29883 has 20 MA's), (103, 29940), (117, 29976), (122, 30000), (127, 30012), (161, 30135), (169, 30177), (190, 30249), (195, 30273), (199, 30279), (221, 30360), (242, 30429), (244, 30432), (248, 30468), (251, 30504), (262, 30576), (265, 30594), (266, 30597), (284, 30714), (291, 30744), (322, 30876), (325, 30897), (332, 30930), (345, 30984), (346, 30990), (380, 31110), (388, 31140), (394, 31161), (403, 31191),

Gene: Velveteen_26 Start: 22498, Stop: 23733, Start Num: 68

Candidate Starts for Velveteen_26:

(Start: 68 @22498 has 192 MA's), (104, 22618), (128, 22690), (154, 22807), (155, 22810), (178, 22888), (200, 22969), (272, 23011), (286, 23089), (318, 23215), (319, 23221), (328, 23260), (338, 23320), (342, 23335), (349, 23377), (361, 23413), (362, 23416), (377, 23467), (379, 23476), (418, 23590), (452, 23701), (460, 23722),

Gene: Veteran_30 Start: 26344, Stop: 27537, Start Num: 68

Candidate Starts for Veteran_30:

(Start: 68 @26344 has 192 MA's), (91, 26428), (141, 26578), (151, 26632), (187, 26773), (287, 26854), (318, 26980), (319, 26986), (320, 26989), (328, 27025), (342, 27100), (349, 27142), (361, 27178), (379, 27241), (418, 27355), (432, 27397), (434, 27406), (451, 27463), (452, 27466),

Gene: Vincenzo_44 Start: 41174, Stop: 42871, Start Num: 79

Candidate Starts for Vincenzo_44:

(Start: 79 @41174 has 31 MA's), (105, 41243), (109, 41249), (115, 41267), (120, 41288), (125, 41303), (143, 41375), (165, 41468), (185, 41540), (192, 41564), (217, 41666), (265, 41927), (276, 42008), (280, 42032), (281, 42035), (319, 42188), (322, 42197), (324, 42206), (329, 42230), (346, 42341), (367, 42410), (377, 42434), (378, 42437), (383, 42461), (390, 42491), (412, 42566), (420, 42593), (425, 42611), (433, 42638), (465, 42764),

Gene: Violac_31 Start: 27032, Stop: 28225, Start Num: 68

Candidate Starts for Violac_31:

(15, 26759), (22, 26780), (Start: 68 @27032 has 192 MA's), (91, 27116), (141, 27266), (151, 27320), (187, 27461), (287, 27542), (318, 27668), (319, 27674), (320, 27677), (328, 27713), (333, 27743), (342, 27788), (349, 27830), (362, 27869), (363, 27884), (377, 27920), (379, 27929), (418, 28043), (432, 28085), (434, 28094), (451, 28151), (452, 28154),

Gene: VioletZ_45 Start: 40652, Stop: 42388, Start Num: 79

Candidate Starts for VioletZ_45:

(Start: 79 @40652 has 31 MA's), (109, 40727), (115, 40745), (120, 40766), (125, 40781), (143, 40853), (165, 40946), (185, 41018), (192, 41042), (215, 41129), (217, 41144), (255, 41333), (265, 41408), (276, 41489), (280, 41513), (281, 41516), (319, 41669), (322, 41678), (324, 41687), (339, 41783), (346, 41822), (367, 41891), (377, 41915), (383, 41942), (390, 41972), (414, 42050), (420, 42074), (425, 42092), (426, 42095), (441, 42164), (466, 42248),

Gene: Vivum_30 Start: 26313, Stop: 27521, Start Num: 135

Candidate Starts for Vivum_30:

(Start: 135 @26313 has 40 MA's), (158, 26409), (164, 26433), (191, 26526), (192, 26529), (212, 26574), (238, 26703), (248, 26754), (262, 26865), (266, 26886), (322, 27168), (325, 27189), (346, 27285), (359, 27330), (373, 27375), (380, 27399), (396, 27459),

Gene: Vorrrps_66 Start: 42239, Stop: 43459, Start Num: 131

Candidate Starts for Vorrrps_66:

(Start: 131 @42239 has 32 MA's), (144, 42275), (156, 42326), (157, 42332), (158, 42335), (199, 42482), (218, 42536), (240, 42629), (248, 42677), (262, 42785), (266, 42806), (322, 43094), (346, 43211), (353, 43244), (359, 43256), (373, 43307), (380, 43331), (396, 43391), (411, 43436),

Gene: Vortrix_268 Start: 146622, Stop: 148040, Start Num: 112

Candidate Starts for Vortrix_268:

(Start: 112 @146622 has 191 MA's), (152, 146775), (171, 146847), (185, 146898), (192, 146922), (219, 147033), (230, 147075), (285, 147372), (297, 147429), (312, 147489), (345, 147618), (350, 147642), (368, 147705), (371, 147714), (408, 147849), (428, 147918), (431, 147924), (444, 147984),

Gene: Wachhund_30 Start: 26486, Stop: 27697, Start Num: 135

Candidate Starts for Wachhund_30:

(Start: 135 @26486 has 40 MA's), (158, 26582), (164, 26606), (191, 26699), (192, 26702), (212, 26747), (238, 26876), (248, 26927), (262, 27038), (266, 27059), (322, 27341), (325, 27362), (326, 27365), (346, 27458), (359, 27503), (373, 27551), (398, 27641),

Gene: Waleliano_43 Start: 40576, Stop: 42312, Start Num: 79

Candidate Starts for Waleliano_43:

(Start: 79 @40576 has 31 MA's), (109, 40651), (115, 40669), (120, 40690), (125, 40705), (143, 40777), (165, 40870), (185, 40942), (192, 40966), (215, 41053), (217, 41068), (254, 41251), (265, 41332), (276, 41413), (280, 41437), (281, 41440), (292, 41482), (319, 41593), (322, 41602), (324, 41611), (339, 41707), (346, 41746), (367, 41815), (377, 41839), (383, 41866), (390, 41896), (412, 41971), (414, 41974), (420, 41998), (422, 42004), (425, 42016), (426, 42019), (433, 42043), (441, 42088),

(466, 42172),

Gene: Wally_248 Start: 141943, Stop: 143373, Start Num: 112

Candidate Starts for Wally_248:

(Start: 112 @141943 has 191 MA's), (138, 142033), (152, 142096), (185, 142219), (192, 142243), (219, 142327), (230, 142369), (241, 142411), (265, 142576), (266, 142579), (318, 142834), (326, 142873), (332, 142903), (346, 142966), (351, 142987), (352, 142996), (354, 142999), (365, 143032), (371, 143047), (408, 143182), (431, 143257), (443, 143314), (444, 143317),

Gene: Wamburgxpress_25 Start: 24388, Stop: 25560, Start Num: 61

Candidate Starts for Wamburgxpress_25:

(54, 24358), (Start: 61 @24388 has 30 MA's), (194, 24835), (287, 24913), (296, 24958), (318, 25033), (328, 25078), (342, 25153), (345, 25180), (349, 25198), (361, 25234), (362, 25237), (379, 25297), (395, 25348), (399, 25363), (430, 25432), (436, 25456), (456, 25516),

Gene: Wee_31 Start: 27069, Stop: 28223, Start Num: 68

Candidate Starts for Wee_31:

(14, 26796), (21, 26817), (Start: 68 @27069 has 192 MA's), (91, 27153), (141, 27303), (151, 27357), (187, 27498), (287, 27579), (318, 27705), (319, 27711), (328, 27750), (338, 27810), (342, 27825), (349, 27867), (361, 27903), (362, 27906), (377, 27957), (379, 27966), (418, 28080), (452, 28191), (460, 28212),

Gene: Whatsapiecost_31 Start: 26670, Stop: 27956, Start Num: 100

Candidate Starts for Whatsapiecost_31:

(Start: 100 @26670 has 18 MA's), (142, 26790), (157, 26862), (196, 26979), (198, 26982), (227, 27084), (239, 27141), (248, 27195), (256, 27258), (266, 27321), (267, 27324), (284, 27438), (288, 27450), (301, 27513), (322, 27600), (327, 27627), (346, 27717), (351, 27738), (353, 27750), (359, 27762), (364, 27786), (389, 27867), (398, 27900),

Gene: Whouxphf_31 Start: 26736, Stop: 28010, Start Num: 68

Candidate Starts for Whouxphf_31:

(Start: 68 @26736 has 192 MA's), (104, 26856), (128, 26928), (154, 27045), (155, 27048), (178, 27126), (200, 27207), (272, 27249), (286, 27327), (318, 27453), (319, 27459), (328, 27498), (342, 27573), (349, 27615), (362, 27654), (363, 27669), (377, 27705), (379, 27714), (418, 27828), (432, 27870), (434, 27879), (451, 27936), (452, 27939),

Gene: Wildflower_66 Start: 41751, Stop: 42971, Start Num: 131

Candidate Starts for Wildflower_66:

(Start: 131 @41751 has 32 MA's), (144, 41787), (156, 41838), (157, 41844), (158, 41847), (199, 41994), (218, 42048), (240, 42141), (248, 42189), (262, 42297), (266, 42318), (322, 42606), (346, 42723), (353, 42756), (359, 42768), (373, 42819), (380, 42843), (396, 42903), (411, 42948),

Gene: WillSterrel_32 Start: 27871, Stop: 29145, Start Num: 68

Candidate Starts for WillSterrel_32:

(Start: 68 @27871 has 192 MA's), (104, 27991), (154, 28180), (155, 28183), (178, 28261), (200, 28342), (272, 28384), (286, 28462), (318, 28588), (319, 28594), (338, 28693), (342, 28708), (349, 28750), (361, 28786), (363, 28804), (377, 28840), (379, 28849), (418, 28963), (432, 29005), (434, 29014), (451, 29071), (452, 29074),

Gene: Willis_251 Start: 142882, Stop: 144312, Start Num: 112

Candidate Starts for Willis_251:

(Start: 112 @142882 has 191 MA's), (138, 142972), (152, 143035), (185, 143158), (192, 143182), (219, 143266), (230, 143308), (241, 143350), (265, 143515), (266, 143518), (318, 143773), (326,

143812), (332, 143842), (346, 143905), (351, 143926), (352, 143935), (354, 143938), (365, 143971), (371, 143986), (408, 144121), (431, 144196), (443, 144253), (444, 144256),

Gene: Winget_67 Start: 42457, Stop: 43677, Start Num: 131

Candidate Starts for Winget_67:

(Start: 131 @42457 has 32 MA's), (144, 42493), (156, 42544), (157, 42550), (158, 42553), (199, 42700), (218, 42754), (240, 42847), (248, 42895), (262, 43003), (266, 43024), (322, 43312), (346, 43429), (353, 43462), (359, 43474), (373, 43525), (380, 43549), (396, 43609), (411, 43654),

Gene: Wogge42_65 Start: 41898, Stop: 43118, Start Num: 131

Candidate Starts for Wogge42_65:

(Start: 131 @41898 has 32 MA's), (144, 41934), (156, 41985), (157, 41991), (158, 41994), (199, 42141), (218, 42195), (240, 42288), (248, 42336), (262, 42444), (266, 42465), (322, 42753), (346, 42870), (353, 42903), (359, 42915), (373, 42966), (380, 42990), (396, 43050), (411, 43095),

Gene: Wyatt2_25 Start: 24375, Stop: 25547, Start Num: 61

Candidate Starts for Wyatt2_25:

(54, 24345), (Start: 61 @24375 has 30 MA's), (194, 24822), (287, 24900), (296, 24945), (318, 25020), (328, 25065), (342, 25140), (345, 25167), (349, 25185), (361, 25221), (362, 25224), (379, 25284), (395, 25335), (399, 25350), (430, 25419), (436, 25443), (456, 25503),

Gene: XFactor_30 Start: 26489, Stop: 27697, Start Num: 135

Candidate Starts for XFactor_30:

(41, 26213), (48, 26234), (Start: 135 @26489 has 40 MA's), (158, 26585), (164, 26609), (191, 26702), (192, 26705), (212, 26750), (238, 26879), (248, 26930), (262, 27041), (266, 27062), (322, 27344), (325, 27365), (346, 27461), (359, 27506), (373, 27551), (380, 27575), (396, 27635),

Gene: Xincheng_42 Start: 40012, Stop: 41748, Start Num: 79

Candidate Starts for Xincheng_42:

(Start: 79 @40012 has 31 MA's), (91, 40057), (109, 40087), (115, 40105), (120, 40126), (125, 40141), (143, 40213), (165, 40306), (185, 40378), (192, 40402), (215, 40489), (217, 40504), (247, 40624), (254, 40687), (255, 40693), (265, 40768), (276, 40849), (280, 40873), (281, 40876), (319, 41029), (322, 41038), (324, 41047), (346, 41182), (367, 41251), (375, 41269), (383, 41302), (390, 41332), (414, 41410), (420, 41434), (425, 41452), (433, 41479), (441, 41524), (457, 41578), (466, 41608),

Gene: Yahalom_46 Start: 40281, Stop: 41546, Start Num: 50

Candidate Starts for Yahalom_46:

(41, 40251), (Start: 45 @40269 has 11 MA's), (47, 40272), (Start: 50 @40281 has 16 MA's), (Start: 60 @40323 has 22 MA's), (Start: 66 @40344 has 1 MA's), (73, 40371), (76, 40386), (88, 40428), (Start: 110 @40479 has 1 MA's), (134, 40569), (141, 40584), (165, 40698), (194, 40800), (307, 40962), (318, 41007), (319, 41013), (320, 41016), (322, 41022), (328, 41052), (345, 41154), (361, 41211), (377, 41262), (384, 41298), (387, 41310), (395, 41343), (399, 41358), (453, 41508),

Gene: Yassified_246 Start: 142078, Stop: 143508, Start Num: 112

Candidate Starts for Yassified_246:

(93, 142036), (Start: 112 @142078 has 191 MA's), (138, 142168), (152, 142231), (185, 142354), (192, 142378), (219, 142462), (230, 142504), (241, 142546), (265, 142711), (266, 142714), (318, 142969), (326, 143008), (332, 143038), (346, 143101), (351, 143122), (352, 143131), (354, 143134), (365, 143167), (371, 143182), (408, 143317), (431, 143392), (444, 143452),

Gene: YemiJoy2021_251 Start: 143613, Stop: 145043, Start Num: 112

Candidate Starts for YemiJoy2021_251:

(Start: 112 @143613 has 191 MA's), (138, 143703), (152, 143766), (185, 143889), (192, 143913), (219, 143997), (230, 144039), (241, 144081), (265, 144246), (266, 144249), (318, 144504), (326, 144543), (332, 144573), (346, 144636), (351, 144657), (352, 144666), (354, 144669), (365, 144702), (371, 144717), (408, 144852), (431, 144927), (443, 144984), (444, 144987),

Gene: Yinz_46 Start: 40307, Stop: 41572, Start Num: 50

Candidate Starts for Yinz_46:

(41, 40277), (Start: 45 @40295 has 11 MA's), (47, 40298), (Start: 50 @40307 has 16 MA's), (Start: 60 @40349 has 22 MA's), (Start: 66 @40370 has 1 MA's), (73, 40397), (76, 40412), (88, 40454), (Start: 110 @40505 has 1 MA's), (134, 40595), (141, 40610), (165, 40724), (194, 40826), (307, 40988), (318, 41033), (319, 41039), (320, 41042), (322, 41048), (328, 41078), (345, 41180), (361, 41237), (377, 41288), (384, 41324), (387, 41336), (395, 41369), (399, 41384), (453, 41534),

Gene: Yorick_30 Start: 26501, Stop: 27697, Start Num: 135

Candidate Starts for Yorick_30:

(Start: 135 @26501 has 40 MA's), (156, 26585), (199, 26735), (218, 26789), (240, 26882), (248, 26930), (262, 27041), (266, 27062), (322, 27344), (325, 27365), (346, 27461), (359, 27506), (373, 27551), (380, 27575), (396, 27635),

Gene: Yoshi_37 Start: 25847, Stop: 27094, Start Num: 52

Candidate Starts for Yoshi_37:

(46, 25826), (Start: 52 @25847 has 2 MA's), (73, 25928), (115, 26060), (116, 26063), (128, 26108), (132, 26132), (154, 26222), (175, 26303), (206, 26384), (211, 26438), (216, 26468), (223, 26510), (225, 26516), (226, 26519), (233, 26555), (250, 26630), (257, 26672), (259, 26708), (260, 26711), (268, 26762), (270, 26771), (313, 26933), (336, 27047), (343, 27071), (344, 27080),

Gene: YoungMoneyMata_250 Start: 143074, Stop: 144504, Start Num: 112

Candidate Starts for YoungMoneyMata_250:

(Start: 112 @143074 has 191 MA's), (138, 143164), (152, 143227), (185, 143350), (192, 143374), (219, 143458), (230, 143500), (241, 143542), (265, 143707), (266, 143710), (318, 143965), (326, 144004), (332, 144034), (346, 144097), (351, 144118), (352, 144127), (354, 144130), (365, 144163), (371, 144178), (408, 144313), (431, 144388), (443, 144445), (444, 144448),

Gene: YoyoKar_64 Start: 41660, Stop: 42961, Start Num: 108

Candidate Starts for YoyoKar_64:

(82, 41588), (83, 41591), (87, 41603), (106, 41657), (108, 41660), (Start: 131 @41741 has 32 MA's), (144, 41777), (156, 41828), (157, 41834), (199, 41984), (218, 42038), (240, 42131), (248, 42179), (262, 42287), (266, 42308), (322, 42596), (346, 42713), (353, 42746), (359, 42758), (373, 42809), (380, 42833), (396, 42893), (411, 42938),

Gene: Yucca_251 Start: 144054, Stop: 145484, Start Num: 112

Candidate Starts for Yucca_251:

(Start: 112 @144054 has 191 MA's), (138, 144144), (152, 144207), (185, 144330), (192, 144354), (219, 144438), (230, 144480), (241, 144522), (265, 144687), (266, 144690), (318, 144945), (326, 144984), (332, 145014), (346, 145077), (351, 145098), (352, 145107), (354, 145110), (365, 145143), (371, 145158), (408, 145293), (431, 145368), (443, 145425), (444, 145428),

Gene: YungJamal_71 Start: 43649, Stop: 44869, Start Num: 131

Candidate Starts for YungJamal_71:

(Start: 131 @43649 has 32 MA's), (144, 43685), (156, 43736), (157, 43742), (158, 43745), (199, 43892), (218, 43946), (240, 44039), (248, 44087), (262, 44195), (266, 44216), (322, 44504), (346, 44621), (353, 44654), (359, 44666), (373, 44717), (380, 44741), (396, 44801), (411, 44846),

Gene: Zakai_27 Start: 25342, Stop: 26511, Start Num: 61

Candidate Starts for Zakai_27:

(Start: 61 @25342 has 30 MA's), (115, 25510), (137, 25594), (151, 25654), (178, 25756), (193, 25783), (282, 25852), (287, 25864), (318, 25984), (319, 25990), (345, 26131), (349, 26149), (361, 26185), (379, 26248), (396, 26302), (429, 26380), (430, 26383), (436, 26407),

Gene: Zakhe101_65 Start: 42297, Stop: 43517, Start Num: 131

Candidate Starts for Zakhe101_65:

(Start: 131 @42297 has 32 MA's), (144, 42333), (156, 42384), (157, 42390), (158, 42393), (199, 42540), (218, 42594), (240, 42687), (248, 42735), (262, 42843), (266, 42864), (322, 43152), (346, 43269), (353, 43302), (359, 43314), (373, 43365), (380, 43389), (396, 43449), (411, 43494),

Gene: Zalkecks_249 Start: 142711, Stop: 144141, Start Num: 112

Candidate Starts for Zalkecks_249:

(Start: 112 @142711 has 191 MA's), (138, 142801), (152, 142864), (185, 142987), (192, 143011), (219, 143095), (230, 143137), (241, 143179), (265, 143344), (266, 143347), (318, 143602), (326, 143641), (332, 143671), (346, 143734), (351, 143755), (352, 143764), (354, 143767), (365, 143800), (371, 143815), (408, 143950), (431, 144025), (443, 144082), (444, 144085),

Gene: Zapner_37 Start: 26903, Stop: 28201, Start Num: 100

Candidate Starts for Zapner_37:

(Start: 100 @26903 has 18 MA's), (124, 26975), (142, 27023), (144, 27041), (157, 27095), (196, 27212), (198, 27215), (227, 27317), (239, 27374), (248, 27428), (256, 27491), (266, 27554), (267, 27557), (284, 27671), (288, 27683), (301, 27746), (322, 27842), (346, 27959), (353, 27992), (359, 28004), (389, 28109), (398, 28142), (411, 28181),

Gene: Zaria_25 Start: 24389, Stop: 25561, Start Num: 61

Candidate Starts for Zaria_25:

(54, 24359), (Start: 61 @24389 has 30 MA's), (194, 24836), (287, 24914), (296, 24959), (318, 25034), (328, 25079), (342, 25154), (345, 25181), (349, 25199), (361, 25235), (362, 25238), (379, 25298), (395, 25349), (399, 25364), (430, 25433), (436, 25457), (456, 25517),

Gene: Zebo_66 Start: 42200, Stop: 43420, Start Num: 131

Candidate Starts for Zebo_66:

(Start: 131 @42200 has 32 MA's), (144, 42236), (156, 42287), (157, 42293), (199, 42443), (218, 42497), (240, 42590), (248, 42638), (262, 42746), (266, 42767), (322, 43055), (346, 43172), (353, 43205), (359, 43217), (373, 43268), (380, 43292), (396, 43352), (411, 43397),

Gene: Zeenon_251 Start: 143245, Stop: 144675, Start Num: 112

Candidate Starts for Zeenon_251:

(Start: 112 @143245 has 191 MA's), (138, 143335), (152, 143398), (185, 143521), (192, 143545), (219, 143629), (230, 143671), (241, 143713), (265, 143878), (266, 143881), (318, 144136), (326, 144175), (332, 144205), (346, 144268), (351, 144289), (352, 144298), (354, 144301), (365, 144334), (371, 144349), (408, 144484), (431, 144559), (443, 144616), (444, 144619),

Gene: Zemanar_44 Start: 40552, Stop: 42288, Start Num: 79

Candidate Starts for Zemanar_44:

(Start: 79 @40552 has 31 MA's), (109, 40627), (115, 40645), (120, 40666), (125, 40681), (143, 40753), (165, 40846), (185, 40918), (192, 40942), (215, 41029), (217, 41044), (254, 41227), (265, 41308), (276, 41389), (280, 41413), (281, 41416), (292, 41458), (319, 41569), (322, 41578), (324, 41587), (339, 41683), (346, 41722), (367, 41791), (377, 41815), (383, 41842), (390, 41872), (414, 41950), (420, 41974), (425, 41992), (426, 41995), (433, 42019), (441, 42064), (466, 42148),

Gene: Zerg_30 Start: 26357, Stop: 27550, Start Num: 68

Candidate Starts for Zerg_30:

(Start: 68 @26357 has 192 MA's), (91, 26441), (141, 26591), (151, 26645), (187, 26786), (287, 26867), (318, 26993), (319, 26999), (328, 27038), (338, 27098), (342, 27113), (349, 27155), (361, 27191), (377, 27245), (379, 27254), (418, 27368), (432, 27410), (434, 27419), (451, 27476), (452, 27479),

Gene: Zizzle_30 Start: 26445, Stop: 27641, Start Num: 135

Candidate Starts for Zizzle_30:

(Start: 135 @26445 has 40 MA's), (156, 26529), (199, 26679), (218, 26733), (240, 26826), (248, 26874), (262, 26985), (266, 27006), (322, 27288), (325, 27309), (346, 27405), (359, 27450), (373, 27495), (380, 27519), (396, 27579),

Gene: ZygoTaiga_247 Start: 144351, Stop: 145781, Start Num: 112

Candidate Starts for ZygoTaiga_247:

(Start: 112 @144351 has 191 MA's), (138, 144441), (152, 144504), (185, 144627), (192, 144651), (219, 144735), (230, 144777), (241, 144819), (265, 144984), (266, 144987), (318, 145242), (326, 145281), (332, 145311), (346, 145374), (351, 145395), (352, 145404), (354, 145407), (365, 145440), (371, 145455), (408, 145590), (431, 145665), (443, 145722), (444, 145725),