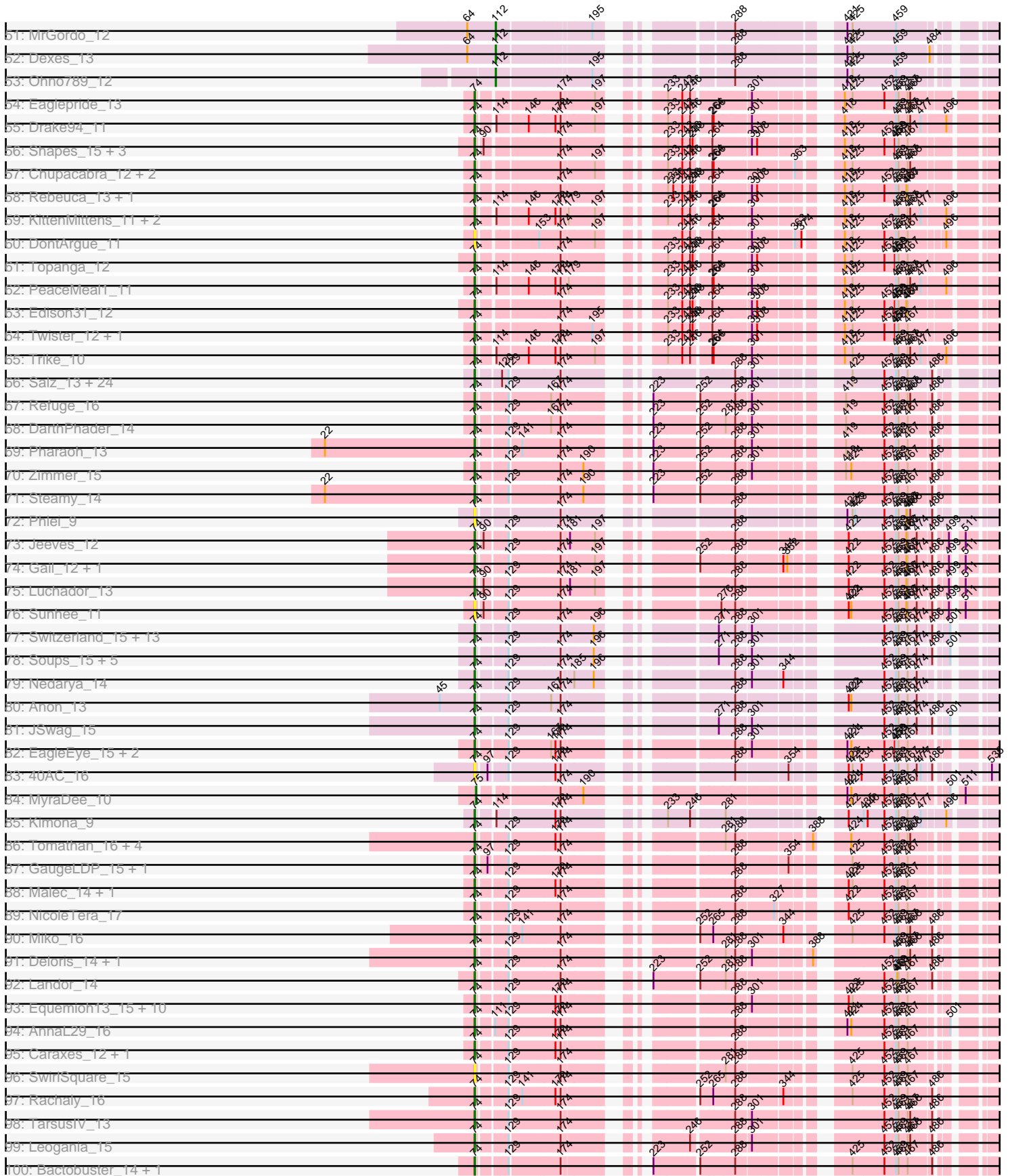
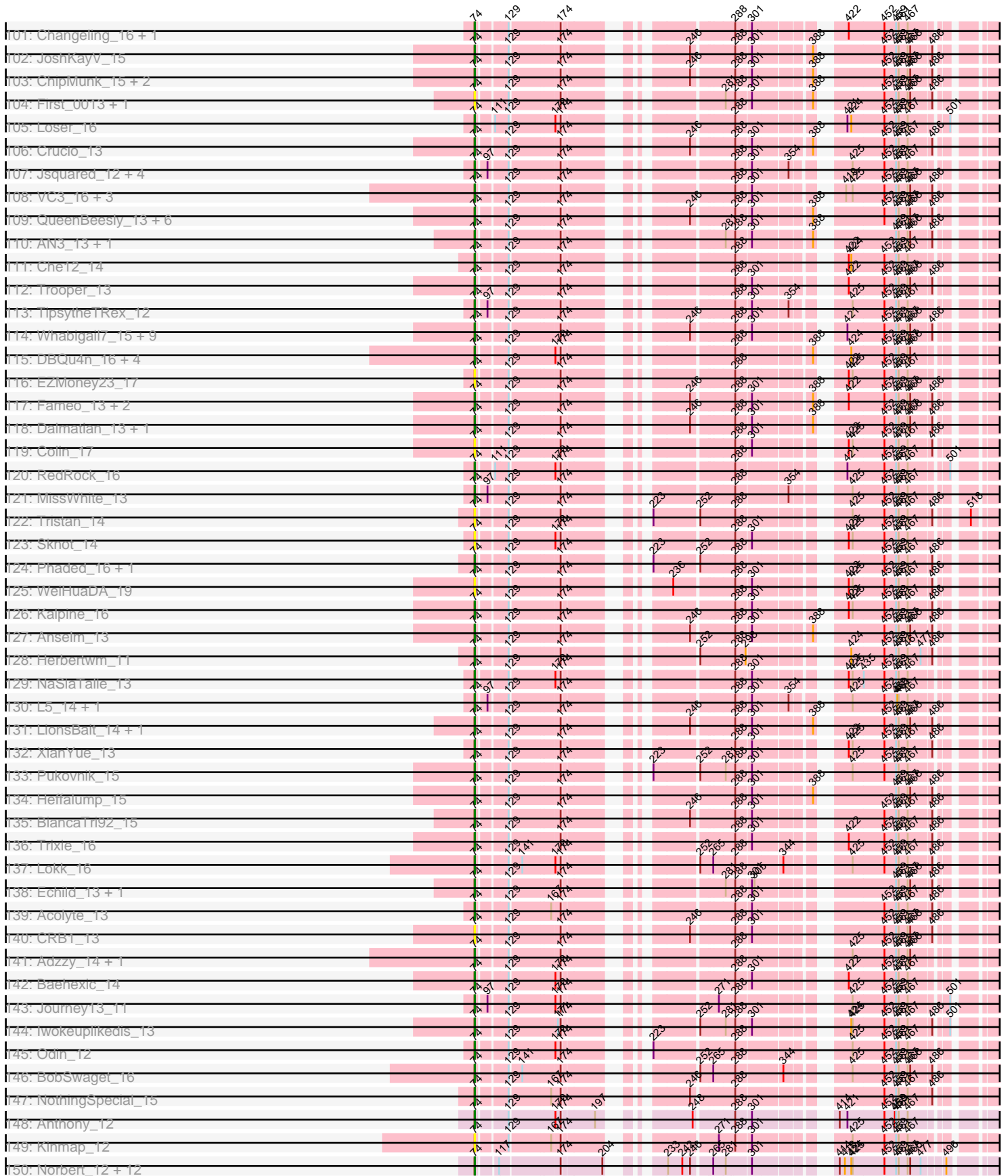


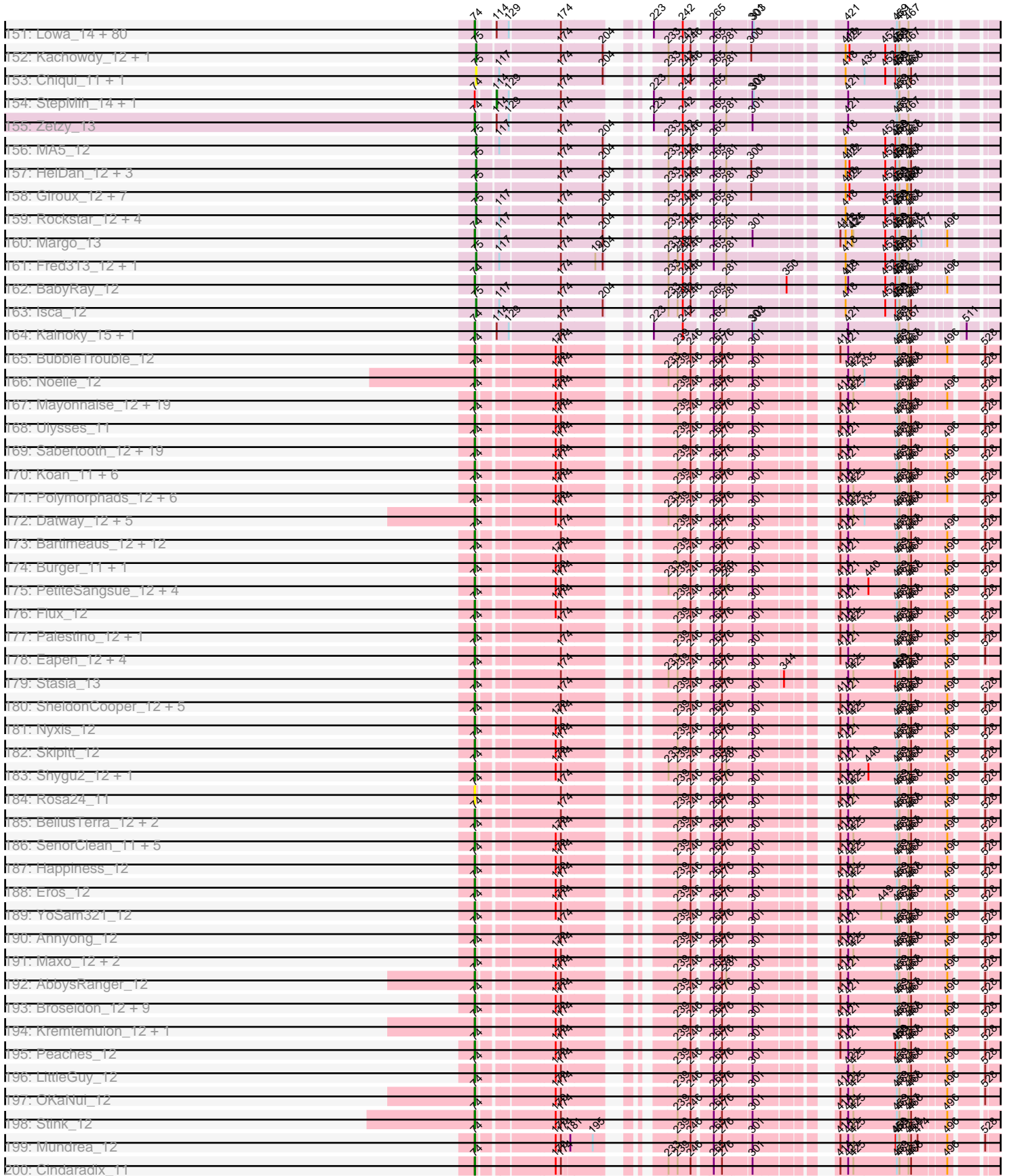
Zoomed Pham 215635



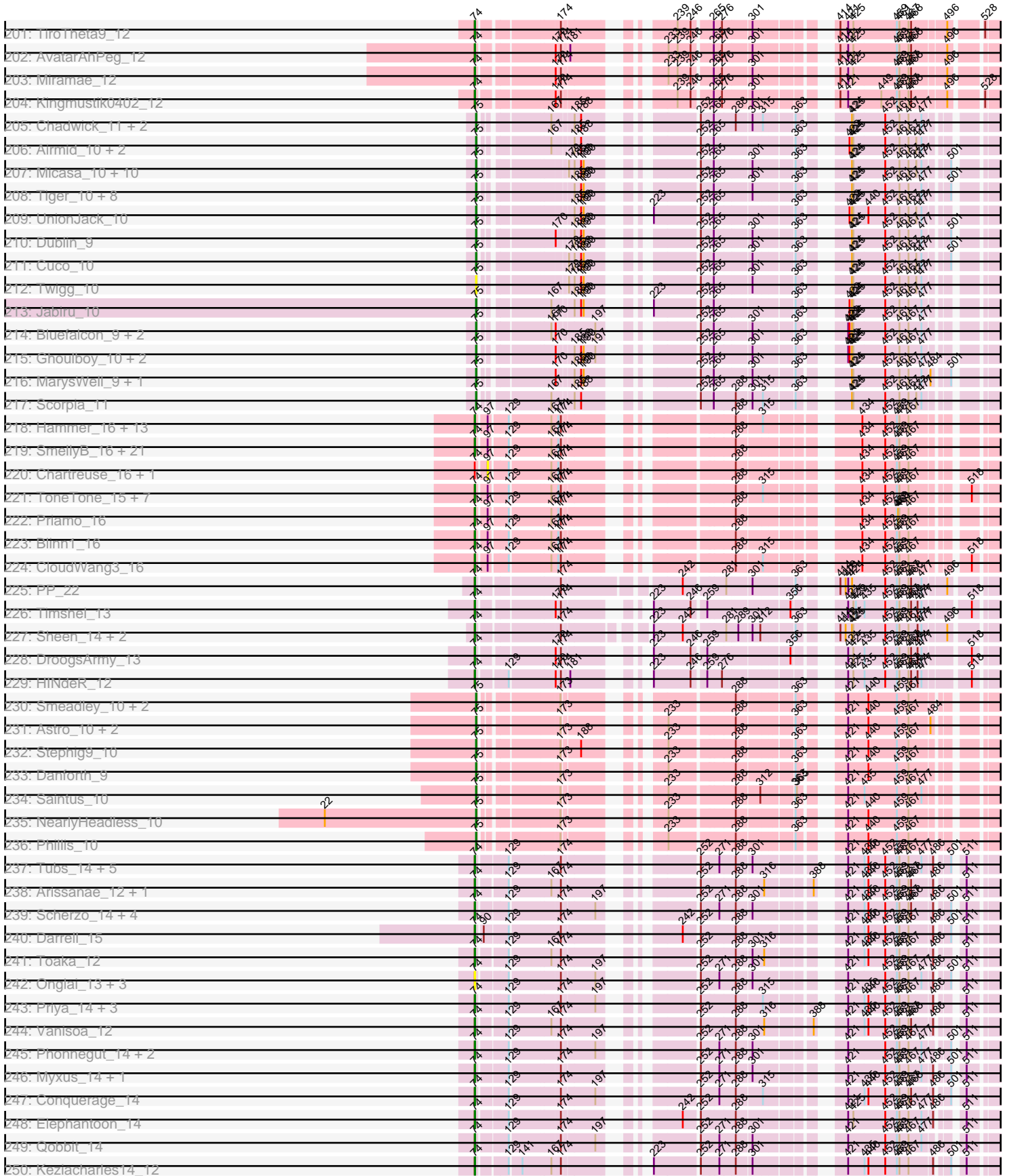
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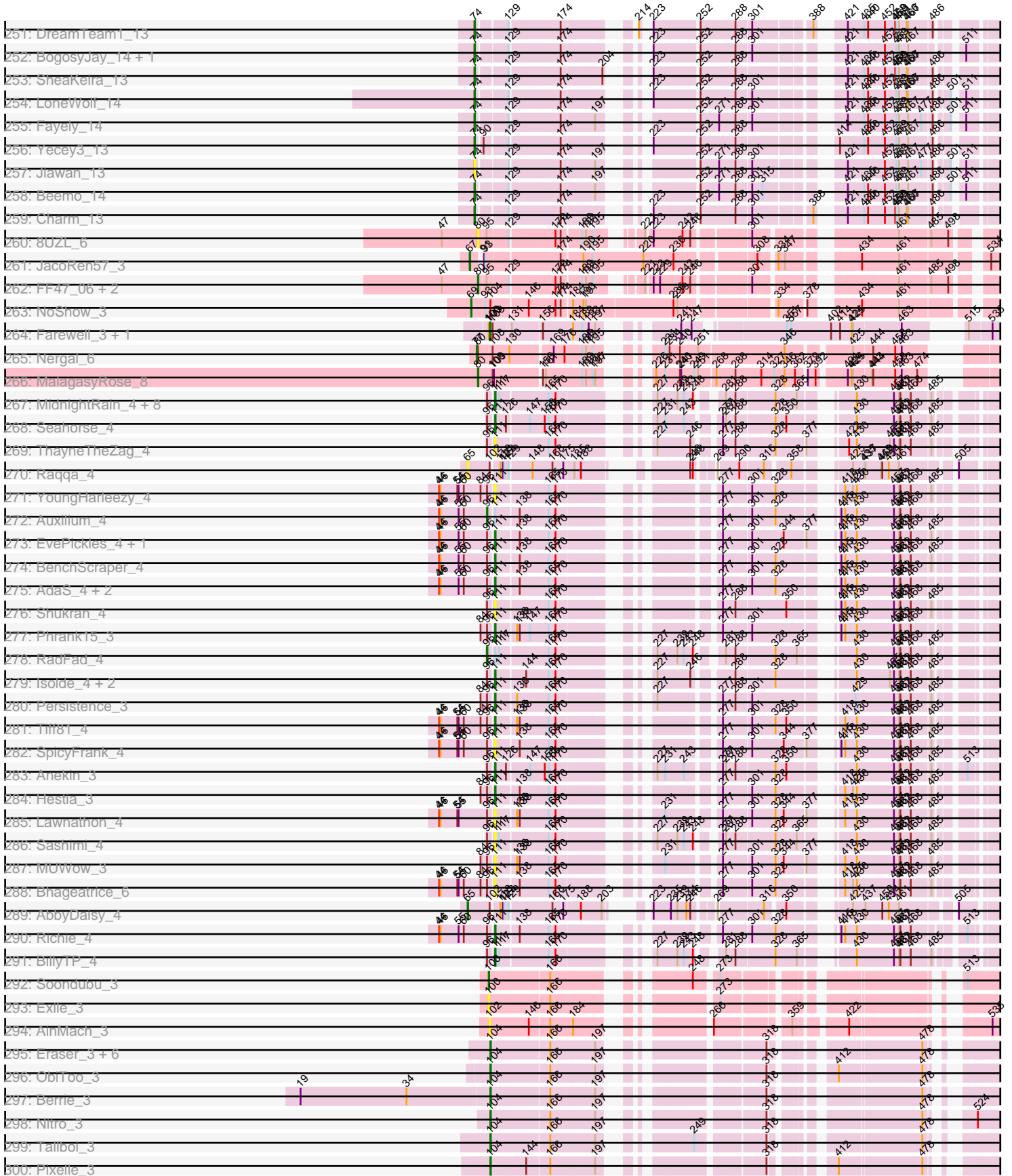
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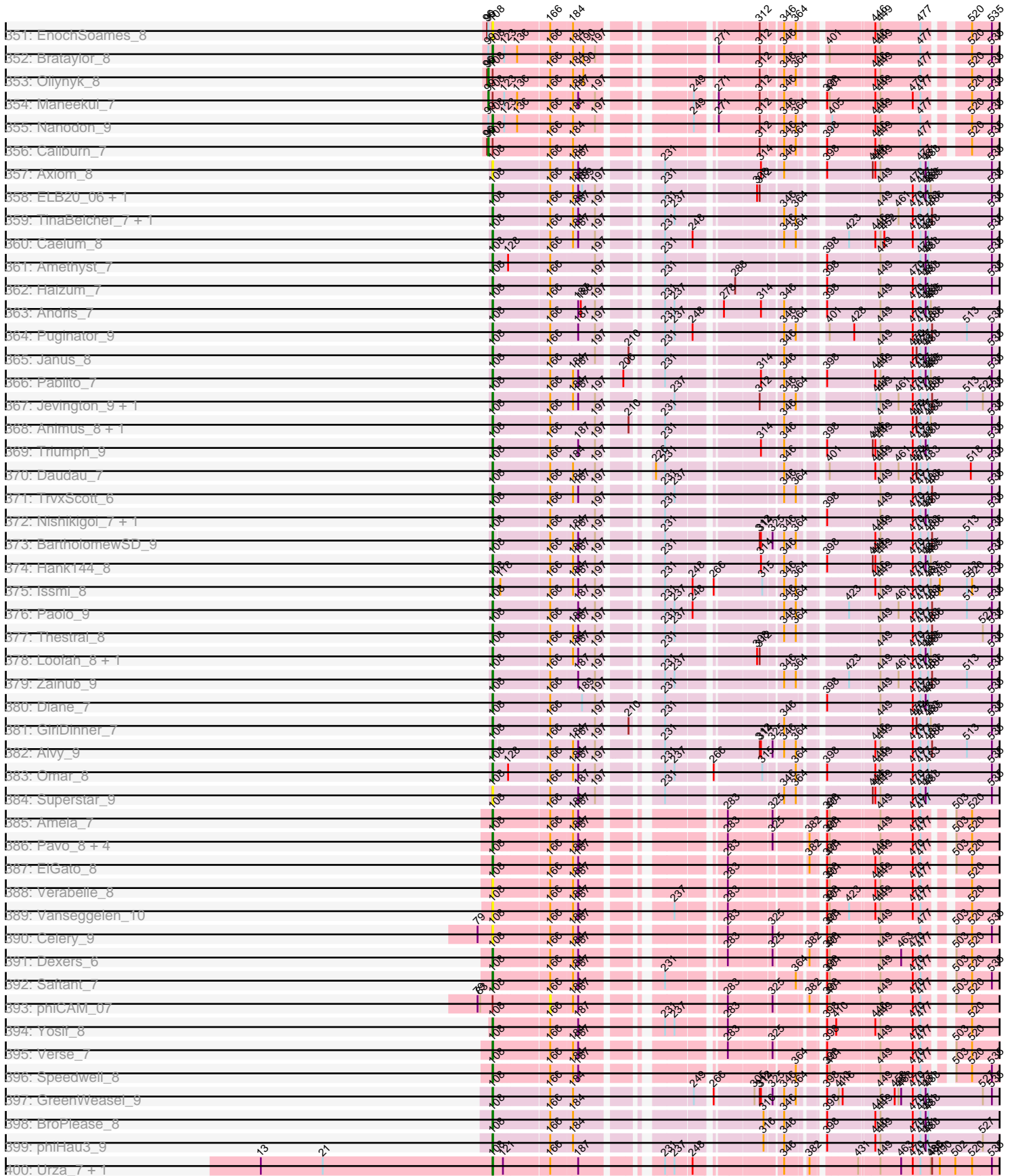
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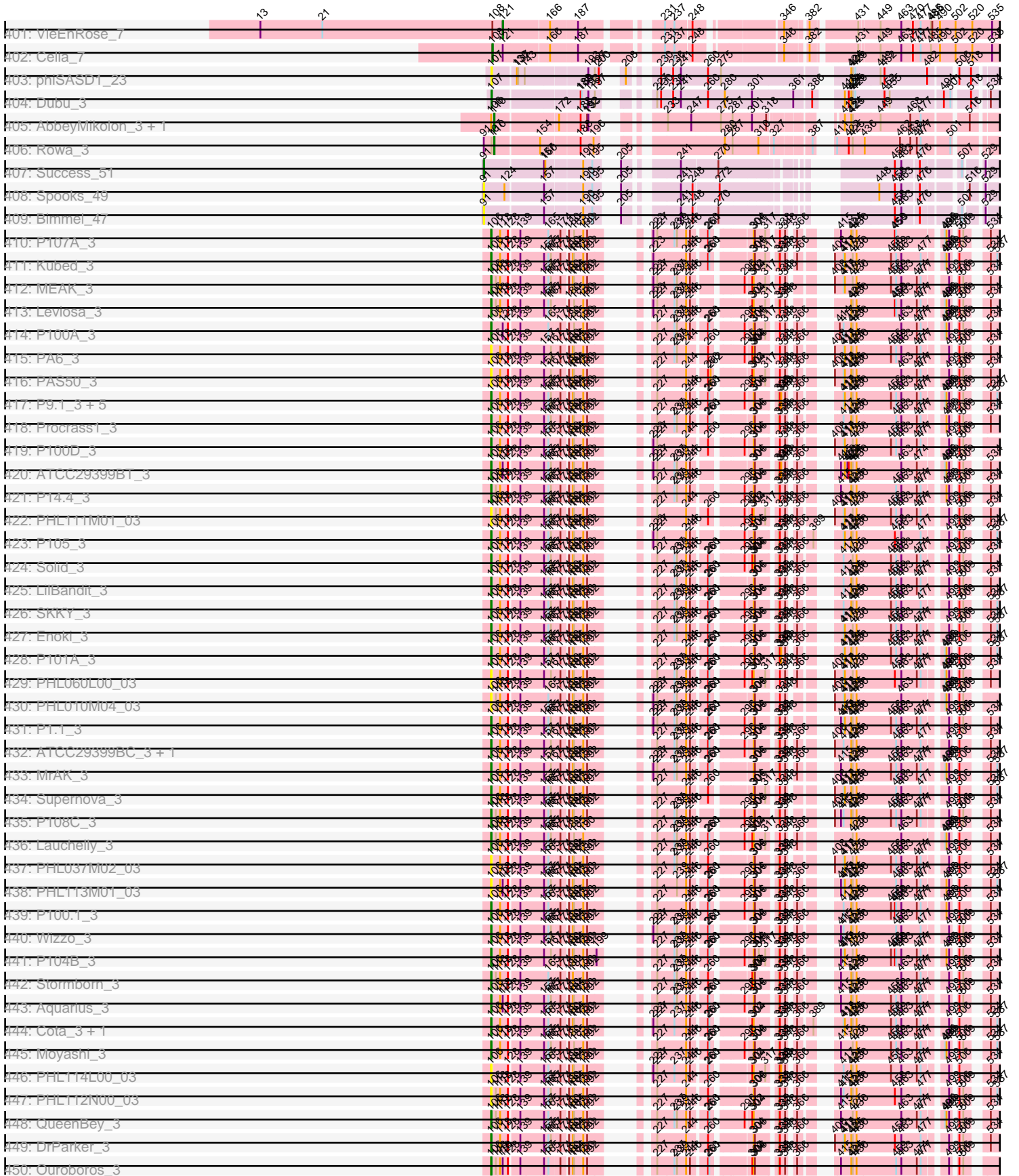
Zoomed Pham 215635



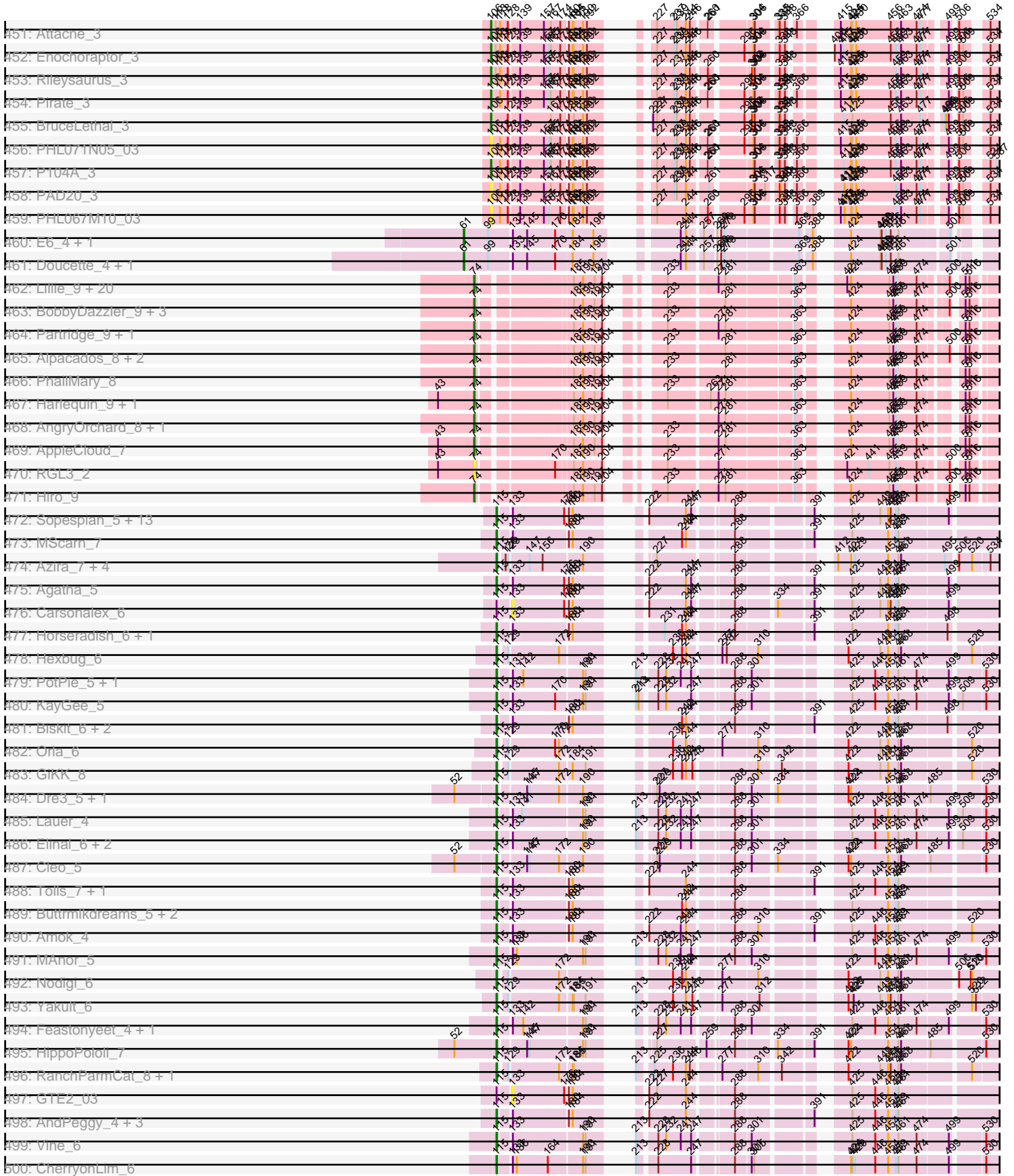
Zoomed Pham 215635



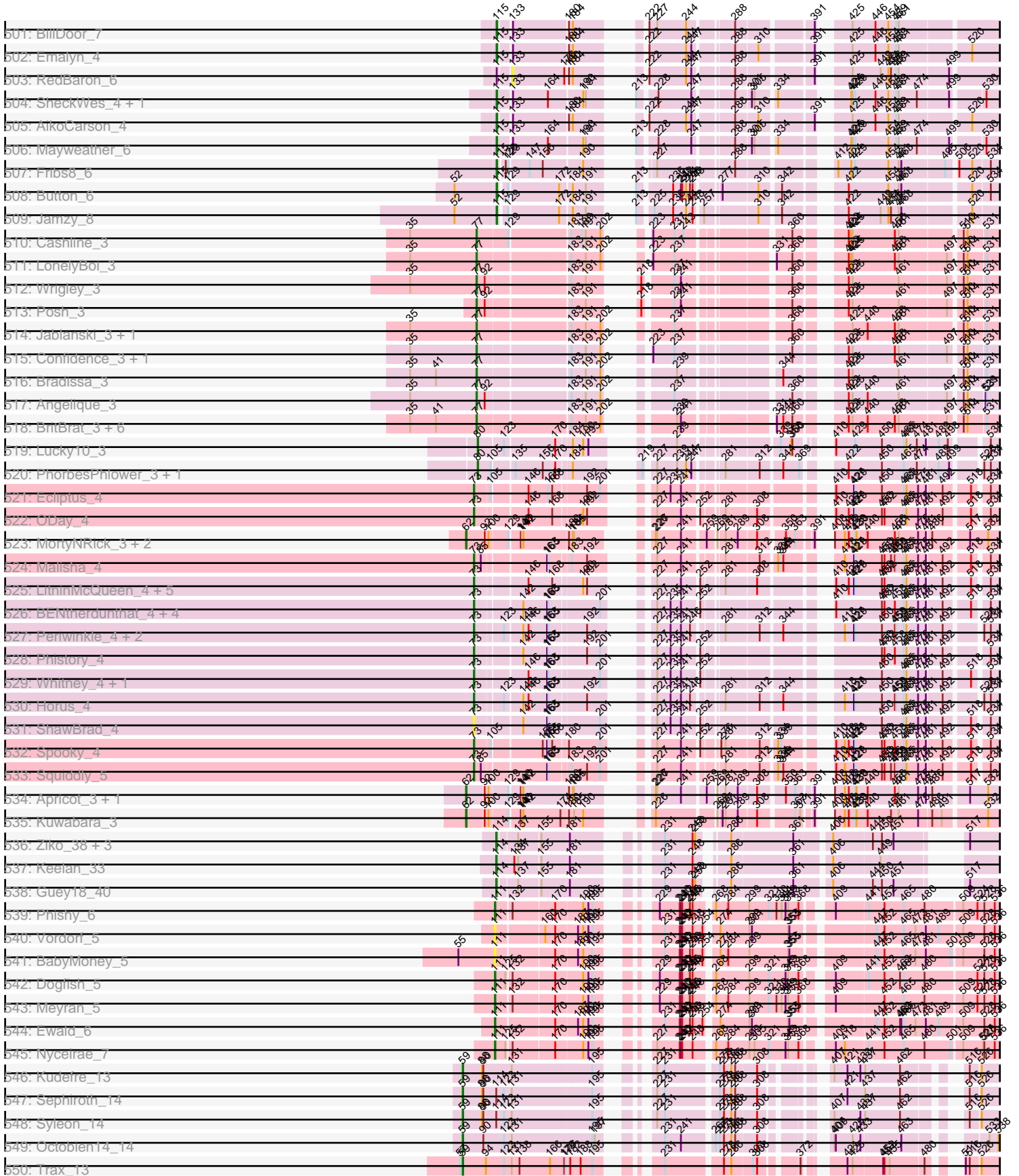
Zoomed Pham 215635



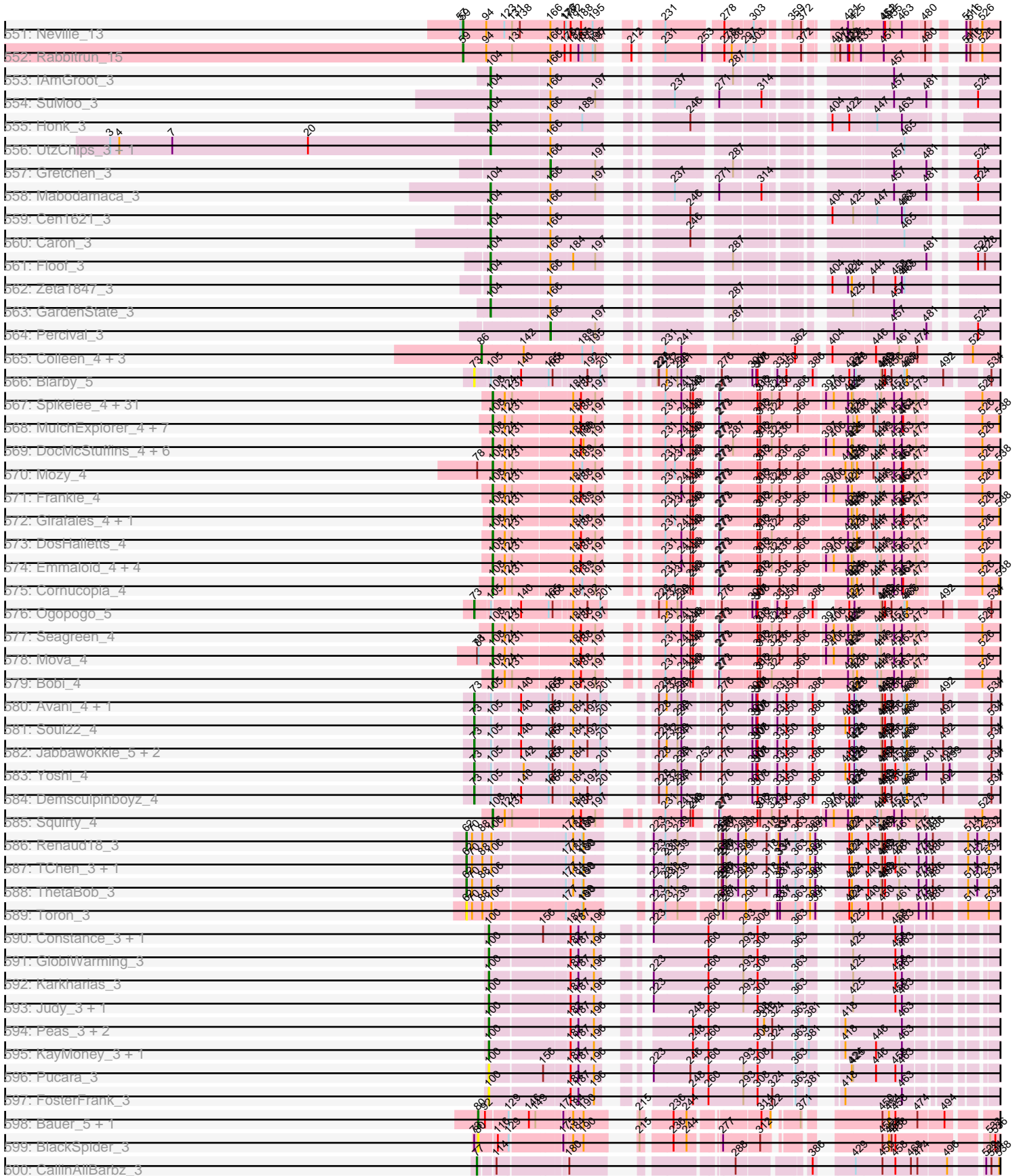
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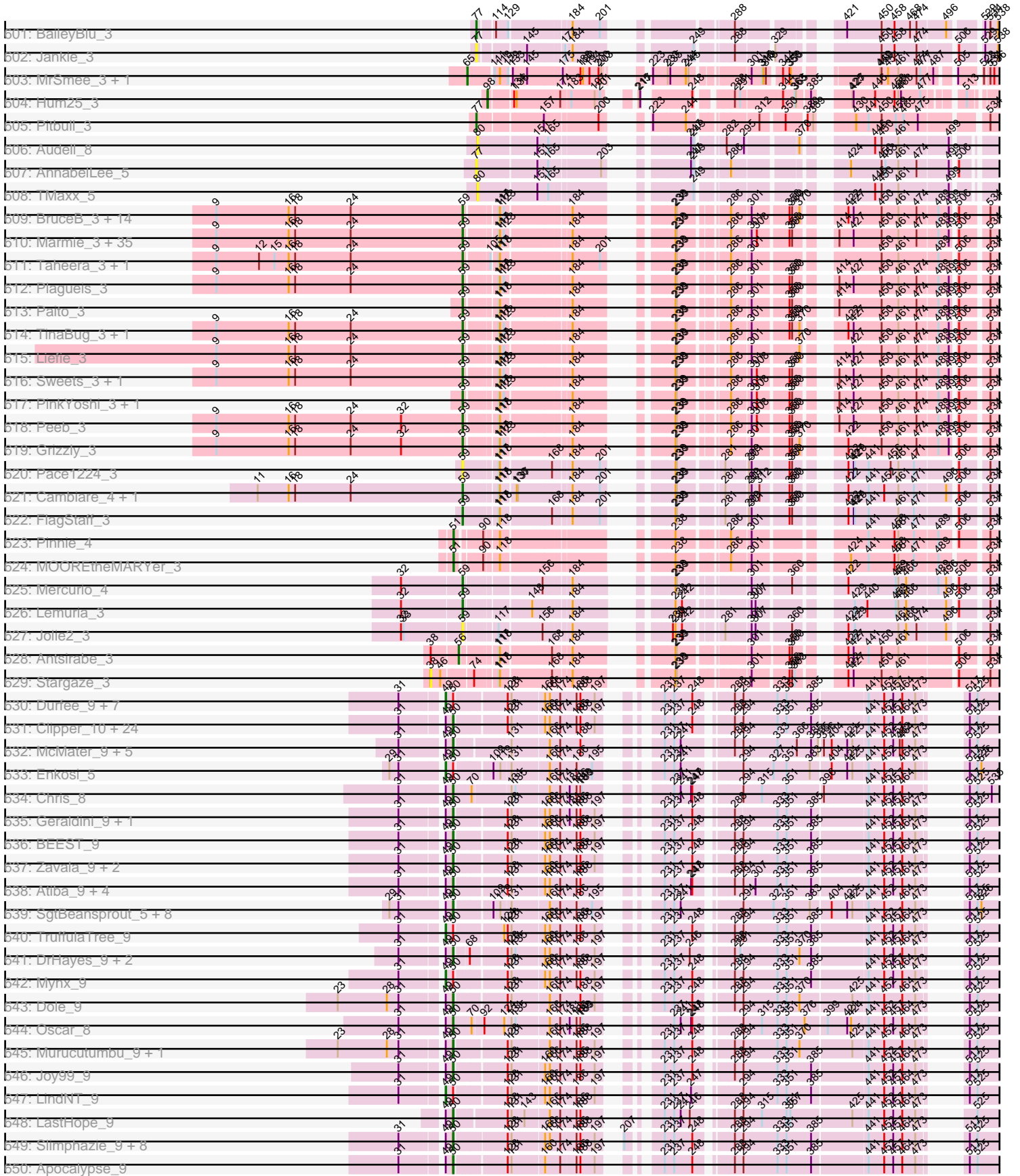
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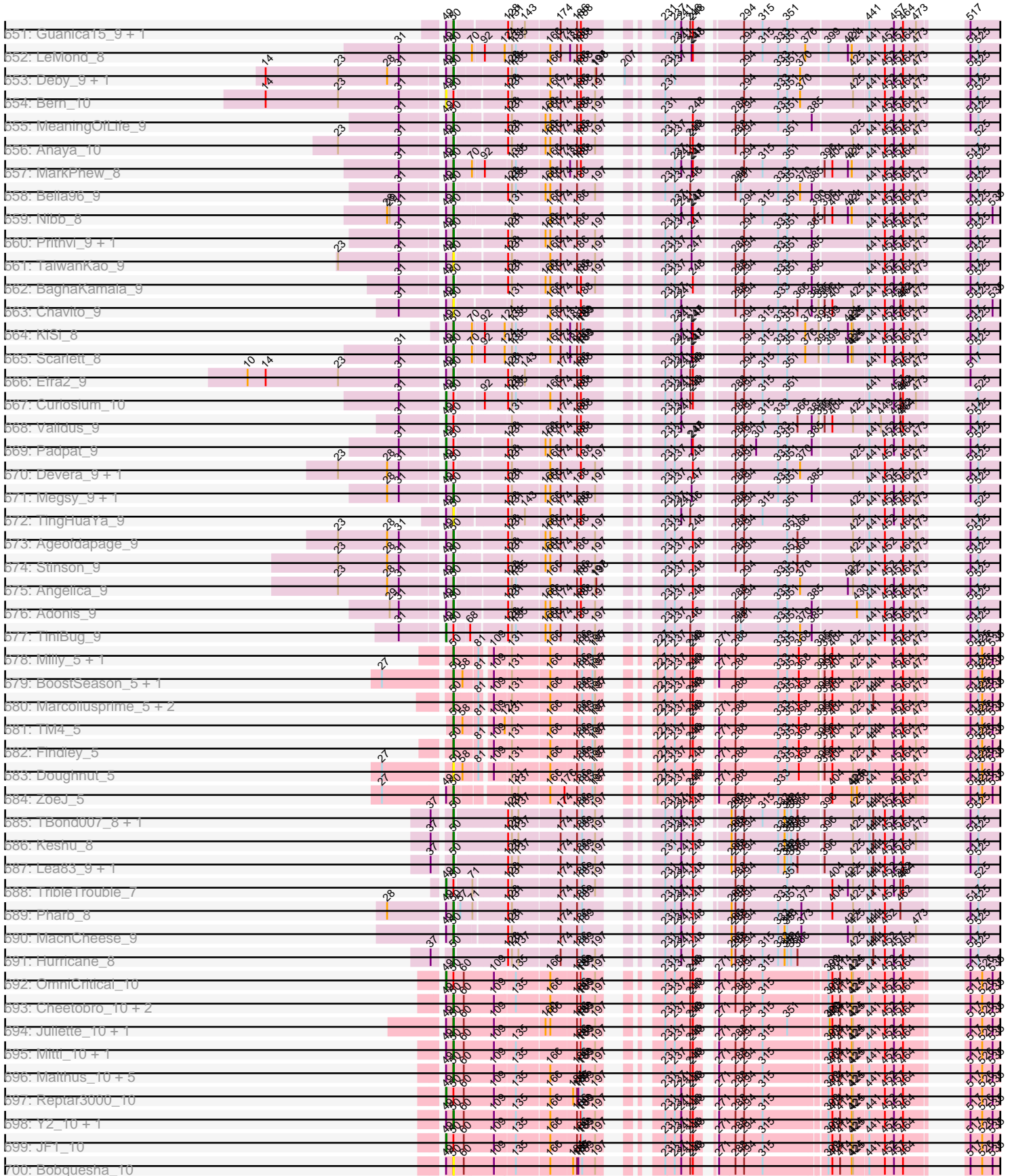
Zoomed Pham 215635



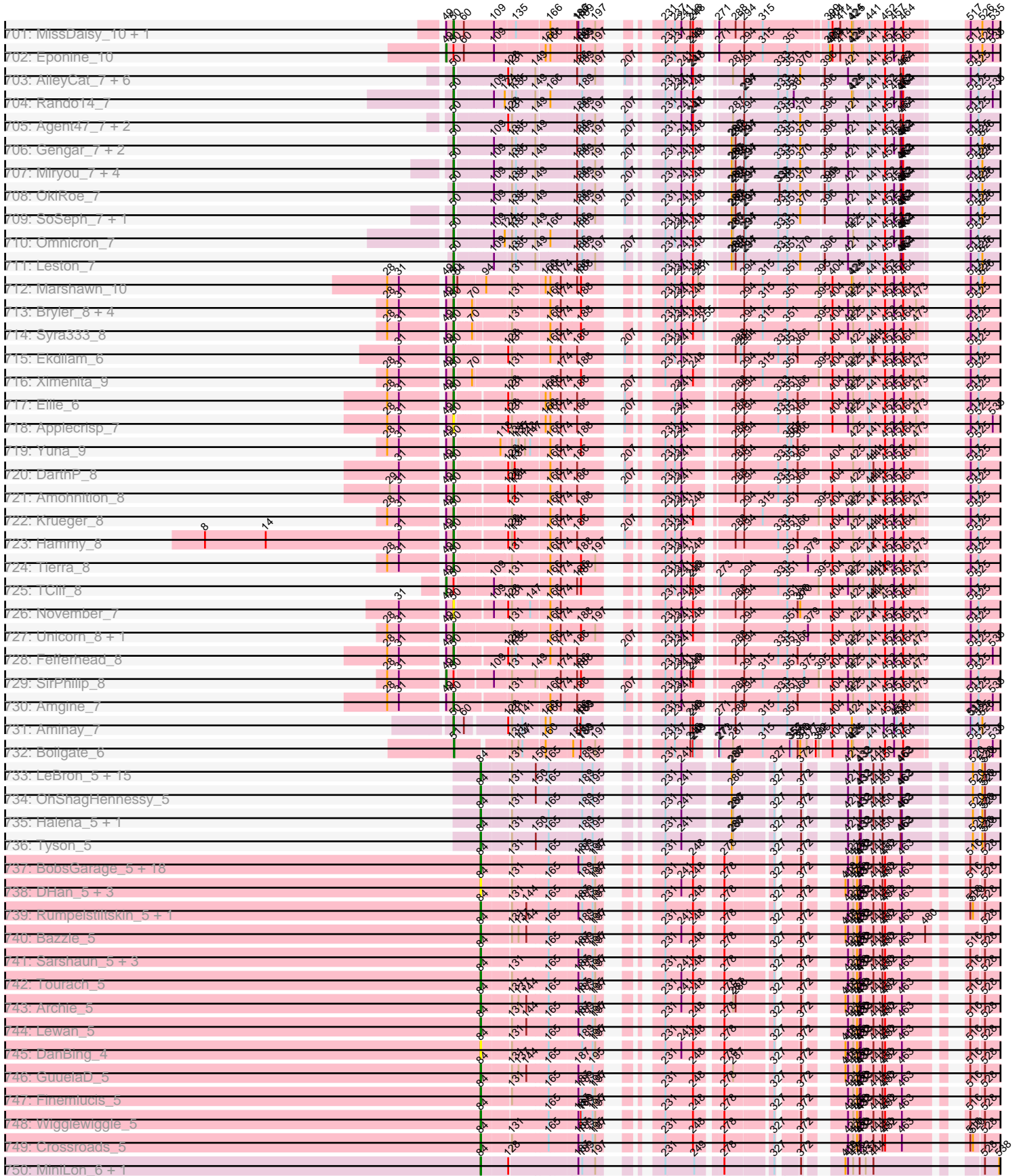
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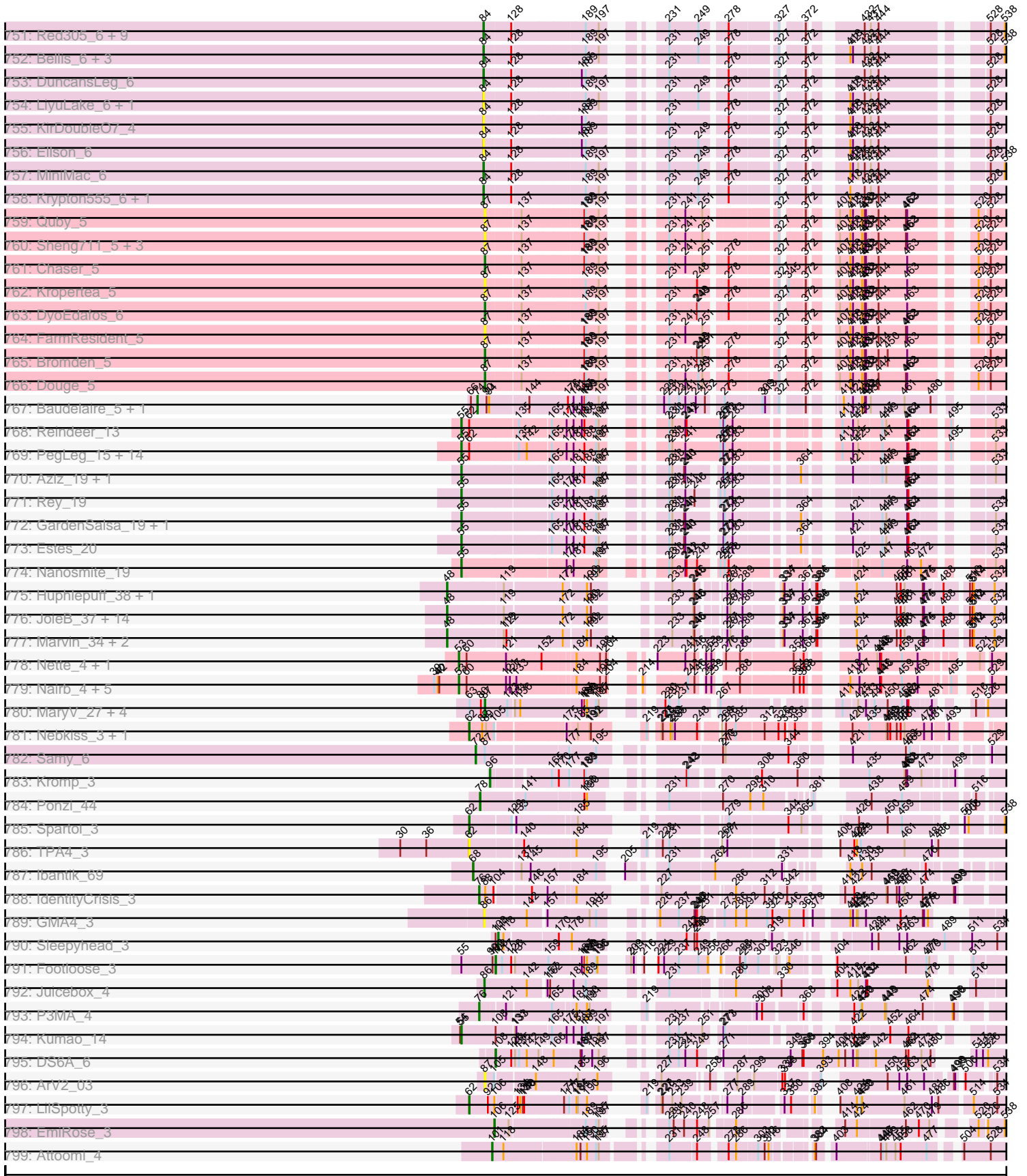
Zoomed Pham 215635



Zoomed Pham 215635



Zoomed Pham 215635



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 215635 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 215635 has 1923 members, 260 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_13
- Track 2 : Paraselene_11, Petruchio_12, Eyeball_12, McGuire_13, QTRLifeCrisis_12, Fenn_13, Marco3_12, Topgun_12, StrongArm_11, Naira_13, Dynamix_13, Maroc7_11, BK1_10, Rubeus_13, A6_10, JackSparrow_13, MaryBeth_12, Beatrix_11, Froghopper_13, Edtherson_13, Chanagan_11, Treddle_14, Sanya_11, Traft412_14, Bexan_11, Lamina13_12, Wheeler_12, Parliament_11, MetalQZJ_12, Corvo_12, Zeuska_13, Adahisdi_13, Tasp14_13, Paphu_11, Espresso_12, Licorice_14, Homines_12, Trouble_12, Oogway_11, Marcell_12
- Track 3 : Lopton_13, Acme_14, BigMau_14, Jerm2_13, Rohr_13, BaconJack_14, Museum_14, PascalRango_11, Sibs6_14, PattyP_14, Petp2012_14, MPlant7149_11, BPBiebs31_13, Burton_13, Pinto_14, Bob3_11
- Track 4 : Molly_13, Switzer_13, Gandalf20_13, Pippin_14, U2_12
- Track 5 : Francis47_12, Agaliana_12, Tote_14, TheloniousMonk_14, Sagefire_13, Perseus_13, Ajay_12, JuliaChild_14, PacerPaul_12, Abrogate_130, Anglerfish_13, Moose_11, Turj99_11, Forsytheast_11, Buttons_13, Hami1_14, Snazzy_10, Bones_12, Swole_14, SwissCheese_12, BarrowTuph_11, LunarLander_12
- Track 6 : Euphoria_12, RidgeCB_12, Pita2_14, Dulcie_11, Slagathor_13, StewieG_11, Magnito_11, Crispicous1_11, Ashballer_11, Wilkins_12, Graduation_14, Monet_14, Hope4ever_12, Mryolo_11, Rhynn_12, Iqorha_11, Manatee_13, Cueyllyss_12, PSullivan_14, Solon_12, Blue_12, Lesedi_11, Teodoridan_10, Zeeculate_11, Nhonho_12
- Track 7 : BeesKnees_13, Bethlehem_12
- Track 8 : Smeagol_13
- Track 9 : Thor_12, Pepe_13, Levia_11, SarFire_12, Kenmech_15, NEHalo_12, Violet_11, Pari_13, TwoPeat_13, SkiPole_14, GMonster_11, PhineBark_12
- Track 10 : STLscum_13
- Track 11 : Bigchungu_12, IgnatiusPatJac_11, Barriga_12, BluSpix_12
- Track 12 : Alvin_13, Doom_12, Gwendoluna_14, Hermia_14, Watermelon_14, AFIS_12, HarryOW_13, CactusRose_11, GrecoEtereo_13, Fascinus_11, Bigfoot_11, Sorpresa_12, Sandaddy_11, ShortQueendom_11, Michley_12, Ruotula_11, Norz_14, Phlippers_11
- Track 13 : DreamCatcher_15, HermioneGrange_13, Kanely_13
- Track 14 : BigPaolini_13

- Track 15 : Makemake_12
- Track 16 : Papez_14, HanShotFirst_12, Seabiscuit_14
- Track 17 : Fushigi_13, Smairt_13, KBG_13, KyMonks1A_14
- Track 18 : Aeneas_14, Mule_12, Fajezeel_14, Marge_13, Greg_14, Magnar_12, PhrostyMug_12, Gyzlar_14, PinkPlastic_11, Seanderson_13
- Track 19 : Scowl_13
- Track 20 : Pelly_13
- Track 21 : Ringer_12
- Track 22 : Marchy_11, Payneful_12
- Track 23 : Lockley_12, DD5_13
- Track 24 : Ichabod_13, Squee_13, Altman_13, Ciao_12, KSSJEB_12
- Track 25 : EnzoK_12
- Track 26 : Mkhuseleli_13, Marsha_12
- Track 27 : Applejack_12, Nerujay_13, DrFeelGood_11, Sunshine924_11, McSinger_13, JC27_14, ILeeKay_14
- Track 28 : Killigrew_10
- Track 29 : Bircsak_12, Briton15_14, Gompeii16_12, LilBib_13
- Track 30 : Bruns_11
- Track 31 : Jasper_13, Carlyle_14, Dreamboat_13
- Track 32 : Abbyshoes_13, Dussy_13
- Track 33 : Sumter_11, Tripl3t_13
- Track 34 : Rajelicia_12
- Track 35 : Arcanine_13
- Track 36 : Target_14, BillKnuckles_13, Bxb1_11, Kugel_13, Kykar_10
- Track 37 : Rufus_13
- Track 38 : Arlo_11
- Track 39 : Atkinbua_13, Big3_12
- Track 40 : SpikeBT_14, GageAP_14
- Track 41 : Peterson_15
- Track 42 : Niza_14
- Track 43 : ProMouse_11
- Track 44 : Alsfro_16
- Track 45 : Zephyr_12
- Track 46 : Raid_13
- Track 47 : Conceptll_12
- Track 48 : PherrisBueller_13, Jorgensen_12
- Track 49 : Inyanga_11
- Track 50 : Rutherferd_14
- Track 51 : MrGordo_12
- Track 52 : Dexes_13
- Track 53 : Ohno789_12
- Track 54 : Eaglepride_13
- Track 55 : Drake94_11
- Track 56 : Shapes_15, RhynO_13, DustyMartin_15, Rowdy_15
- Track 57 : Chupacabra_12, Goose_12, OKCentral2016_12
- Track 58 : Rebeuca_13, Kristoff_13
- Track 59 : KittenMittens_11, Severus_11, Poompha_11
- Track 60 : DontArgue_11
- Track 61 : Topanga_12
- Track 62 : PeaceMeal1_11
- Track 63 : Edison31_12
- Track 64 : Twister_12, WalterMcMickey_12
- Track 65 : Trike_10

- Track 66 : Salz_13, Et2Brutus_12, Bachome_13, Timothy_13, Petersenfast_12, Gilberta_13, Bud_13, Mabel_13, Munch_13, Lucivia_13, MaCh_13, Orange_13, Jabith_13, Flaverint_13, Bowtie_13, Sham4_13, Joselito_13, Snape_13, Insomnia_13, Mulciber_13, TinyTimmy_13, Fibonacci_13, Ebony_13, Aneem_13, Hutc2_13
- Track 67 : Refuge_16
- Track 68 : DARTHPhader_14
- Track 69 : Pharaoh_13
- Track 70 : Zimmer_15
- Track 71 : Steamy_14
- Track 72 : Phlei_9
- Track 73 : Jeeves_12
- Track 74 : Gail_12, SororFago_12
- Track 75 : Luchador_13
- Track 76 : Sunhee_11
- Track 77 : Switzerland_15, LastResort_15, ShayRa_16, KatherineG_15, ReMo_15, MinecraftSteve_16, Battleship_16, Strosahl_15, Remus_15, DekHockey33_15, Waits_15, Nebulosus_15, Looper_16, Epsocamisio_15
- Track 78 : Soups_15, Oofda_16, Anaysia_15, Boohoo_15, Warrior24_16, Rosalind_15
- Track 79 : Nedarya_14
- Track 80 : Anon_13
- Track 81 : JSWag_15
- Track 82 : EagleEye_15, Lucyedi_14, PainterBoy_14
- Track 83 : 40AC_16
- Track 84 : MyraDee_10
- Track 85 : Kimona_9
- Track 86 : Tomathan_16, D32_16, Naji_16, Travvers_16, D29_14
- Track 87 : GaugeLDP_15, BabyBack_15
- Track 88 : Malec_14, Larenn_14
- Track 89 : NicoleTera_17
- Track 90 : Miko_16
- Track 91 : Deloris_14, BengiVuitton_14
- Track 92 : Landor_14
- Track 93 : Equemioh13_15, Drake55_15, WideWale_15, Piro94_14, Gratitude_14, Flare16_13, Centaur_15, HarryHoudini_15, Updawg_15, MiculUcigas_13, Terrific_17
- Track 94 : AnnaL29_16
- Track 95 : Caraxes_12, Superchunk_12
- Track 96 : SwirlSquare_15
- Track 97 : Rachaly_16
- Track 98 : TarsusIV_13
- Track 99 : Leogania_15
- Track 100 : Bactobuster_14, IronMan_15
- Track 101 : Changeling_16, ArcherNM_15
- Track 102 : JoshKayV_15
- Track 103 : ChipMunk_15, KingCyrus_15, EvilGenius_15
- Track 104 : First_0013, 20ES_13
- Track 105 : Loser_16
- Track 106 : Crucio_13
- Track 107 : Jsquared_12, Bradman_12, Quokka_11, Serenity_12, MajorMajor_12
- Track 108 : VC3_16, ANI8_16, AN9_16, C3_11
- Track 109 : QueenBeesly_13, Retro23_13, FiringLine_13, Georgie2_14, SweetiePie_13, Power_13, SnapTap_13

- Track 110 : AN3_13, VA6_13
- Track 111 : Che12_14
- Track 112 : Trooper_13
- Track 113 : TipsytheTRex_12
- Track 114 : Whabigail7_15, LilTurb_15, Jerm_15, Buggy_15, Smeagan_15, Leviathan_15, Turbido_15, Dignity_15, AbbyPaige_15, Agape74_15
- Track 115 : DBQu4n_16, StarStuff_16, Kerberos_16, Duplo_16, Pomar16_16
- Track 116 : EZMoney23_17
- Track 117 : Fameo_13, QueenB2_13, DudeLittle_13
- Track 118 : Dalmatian_13, SemperFi_15
- Track 119 : Colin_17
- Track 120 : RedRock_16
- Track 121 : MissWhite_13
- Track 122 : Tristan_14
- Track 123 : Sknot_14
- Track 124 : Phaded_16, Jaan_16
- Track 125 : WeiHuaDA_19
- Track 126 : Kalpine_16
- Track 127 : Anselm_13
- Track 128 : Herbertwm_11
- Track 129 : NaSiaTalie_13
- Track 130 : L5_14, Koduck_13
- Track 131 : LionsBait_14, LadyBird_13
- Track 132 : XianYue_13
- Track 133 : Pukovnik_15
- Track 134 : Heffalump_15
- Track 135 : BiancaTri92_15
- Track 136 : Trixie_16
- Track 137 : Lokk_16
- Track 138 : Echild_13, Benvolio_13
- Track 139 : Acolyte_13
- Track 140 : CRB1_13
- Track 141 : Adzzy_14, Ph8s_14
- Track 142 : Baehexic_14
- Track 143 : Journey13_11
- Track 144 : Iwokeuplikedis_13
- Track 145 : Odin_12
- Track 146 : BobSwaget_16
- Track 147 : NothingSpecial_15
- Track 148 : Anthony_12
- Track 149 : Kinmap_12
- Track 150 : Norbert_12, Noella_13, Texage_12, Caviar_13, Popcicle_13, Veracruz_12, ResDef_13, Pocahontas_13, Lambert1_13, Panamaxus_13, Todacoro_13, Hookmount_13, QuinnKiro_12
- Track 151 : Lowa_14, Malinsilva_16, Heliosoles_14, SoYo_14, Grub_14, HaveUMetTed_15, KADY_15, Marie_14, Misomonster_16, PGHhamlin_16, Dieselweasel_14, MuchMore_16, Manu_15, Daishi_13, Tiffany_14, Phoebe_14, Taurus_14, LBerry_14, Groupthink_15, Phranny_15, MarQuardt_14, Jobu08_14, Sabia_14, LugYA_16, LarryKay_14, Louie6_14, Spike509_14, P28Green_14, TinyPebbles_14, Calvinny_15, HashRod_15, OlanP_14, Colbster_14, Kalb97_15, Grum1_14, Grif_14, Beauxregard13_14, JeppNRM_15, Pembroke_14, Pawn_14, Fernando_14, GingkoMaracino_14, Stagni_14, JenCasNa_14, Wooldri_16, Hercules11_14, Rummer_14, MoneyMay_14, Bxz2_14, ACFishhook_14, Ollie_14,

PotatoSplit_15, Farber_14, Microwolf_14, AgronaGT15_14, Vix_14, Gemma_14, BuzzBuzz_13, Lilith_14, JHC117_14, GtownJaz_14, PurpleHaze_14, Penny1_14, EpicPhail_14, Phoxy_14, Aglet_14, Watson_14, Snickers_14, Anubis_16, SoilDragon_14, Bigflo_14, MadMarie_14, Methuselah_14, PhishRPhriends_13, BreSam8_14, Reba_15, DaHudson_14, Soshari_16, Mainiac_14, Cullens_14, AugsMagnumOpus_16

- Track 152 : Kachowdy_12, Heathen_12
- Track 153 : Chiqui_11, BabyJohn_11
- Track 154 : StepMih_14, Sabinator_14
- Track 155 : Zetzy_13
- Track 156 : MA5_12
- Track 157 : HelDan_12, Phantastic_12, DropBear_12, Marchesa_12
- Track 158 : Giroux_12, Idleandcovert_12, TNguyen7_12, SaturnRing_12, Puppy_13, Bugatti_12, Pistachio_13, BlueBird_13
- Track 159 : Rockstar_12, JF2_12, B1_10, MK4_12, JF4_12
- Track 160 : Margo_13
- Track 161 : Fred313_12, Scout_12
- Track 162 : BabyRay_12
- Track 163 : Isca_12
- Track 164 : Kalnoky_15, Marius_15
- Track 165 : BubbleTrouble_12
- Track 166 : Noelle_12
- Track 167 : Mayonnaise_12, Chaph_12, Thanksgivukkah_12, Cocoaberry_12, Maverick_12, Deano_12, PeterPeter_12, Nemo27_12, Huxley_12, Phacado_12, Gadost_12, NotAPhaseMom_12, Millski_12, Wander_12, Taquarus_12, Iceman_12, Bruiser_12, Houdini22_12, Mazhar510_12, Caelakin_12
- Track 168 : Ulysses_11
- Track 169 : Sabertooth_12, MeeZee_12, TygerBlood_12, Wilbur_12, Baby16_12, Romney_12, NorthStar_12, Floean_12, Dhanush_12, Sparxx_12, Ruin_12, Tinybot_11, ICleared_12, KFPoly_12, Phelipe_12, Alberto7_13, Jaykayelowell_12, Albee_12, Holli_12, Lemur_12
- Track 170 : Koan_11, Arturo_11, Camperdownii_11, Abdiel_12, Kye_12, Medusa_12, Phontbonne_12
- Track 171 : Polymorphads_12, Nebs_12, Ohfah_12, Eurydice_12, LeoAvram_12, Morrow_12, Bombshell_12
- Track 172 : Datway_12, Wile_12, Xena_12, Backyardigan_12, Badger_12, Achebe_12
- Track 173 : Bartimeaus_12, JoongJeon_12, LappelDuVide_12, Scamp_12, JetBlade_12, Clarenza_12, Citius_12, Druantia_12, Roosevelt_12, Wizard007_12, Blackmoor_12, CentreCat_12, Avle17_12
- Track 174 : Burger_11, Lorenzo_12
- Track 175 : PetiteSangsue_12, Katalie136_12, Perplexer_12, Bumblebee11_12, Morpher26_12
- Track 176 : Flux_12
- Track 177 : Palestino_12, Connomayer_12
- Track 178 : Eapen_12, Kratark_12, Phighter1804_12, DirtyDunning_12, Iracema64_12
- Track 179 : Stasia_13
- Track 180 : SheldonCooper_12, Cerulean_12, BangNhom_11, Obama12_12, ChampagnePapi_12, LHTSCC_12
- Track 181 : Nyxis_12
- Track 182 : Skipitt_12
- Track 183 : Shygu2_12, Cici_12

- Track 184 : Rosa24_11
- Track 185 : BellusTerra_12, Funston_12, Eris_12
- Track 186 : SenorClean_11, TinaFeyge_12, Koreni_11, HamSlice_11, TroyPia_12, Commander_12
- Track 187 : Happiness_12
- Track 188 : Eros_12
- Track 189 : YoSam321_12
- Track 190 : Annyong_12
- Track 191 : Maxo_12, Kamy_12, LittleB_12
- Track 192 : AbbysRanger_12
- Track 193 : Broseidon_12, Spino_12, Pipcraft_12, Shaka_12, Pumbaa_12, Melvin_12, Eagle_11, Relief_12, Lunsford_13, LochMonster_12
- Track 194 : Kremtemulon_12, Cintron_12
- Track 195 : Peaches_12
- Track 196 : LittleGuy_12
- Track 197 : OKaNui_12
- Track 198 : Stink_12
- Track 199 : Mundrea_12
- Track 200 : Cindaradix_11
- Track 201 : TiroTheta9_12
- Track 202 : AvatarAhPeg_12
- Track 203 : Miramae_12
- Track 204 : Kingmustik0402_12
- Track 205 : Chadwick_11, Naca_10, PetterN_11
- Track 206 : Airmid_10, ElTiger69_10, Benedict_10
- Track 207 : Micasa_10, Midas2_10, George_9, Milcery_10, HuhtaEnerson15_10, Tarynearal_9, Coog_10, Bonamassa_10, Prinashe11_11, Swirley_10, LittleCherry_10
- Track 208 : Tiger_10, Conspiracy_10, ForGetIt_10, Archetta_10, AgentM_10, Lev2_10, Jovo_10, PickleBack_10, Phlorence_10
- Track 209 : UnionJack_10
- Track 210 : Dublin_9
- Track 211 : Cuco_10
- Track 212 : Twigg_10
- Track 213 : Jabiru_10
- Track 214 : Bluefalcon_9, Aragog_10, Discoknowium_10
- Track 215 : Ghoulboy_10, SydNat_10, Zolita_9
- Track 216 : MarysWell_9, Theia_9
- Track 217 : Scorpio_11
- Track 218 : Hammer_16, Artemis2UCLA_16, Temprado_17, Koko_16, Blue7_16, Roksolana_16, Indra_16, Rifter_16, Hexamo_16, Tucker_16, Gladiator_16, Helmet_17, Gruunaga_16, Garak_17
- Track 219 : SmellyB_16, Dorothea_16, DaVinci_16, Kazan_16, SuperCallie99_16, VohminGhazi_16, Neeharika16_16, Candra_16, Kipper29_16, Jeffabunny_16, McFly_16, Cookiedough_16, JewelBug_16, Pmask_16, Hoot_16, SuperAwesome_16, Isiphiwo_16, Jordennis_16, Newrala_16, BABullseye_16, EricB_16, GreedyLawyer_16
- Track 220 : Chartreuse_16, Polyphemus_15
- Track 221 : ToneTone_15, Lilbunny_16, Wiks_16, Yokurt_16, WunderPhul_16, Zaka_16, BlessJoy_16, Zulu_16
- Track 222 : Priamo_16
- Track 223 : Blinn1_16
- Track 224 : CloudWang3_16

- Track 225 : PP_22
- Track 226 : Timshel_13
- Track 227 : Sheen_14, FlyCatcher_16, Toro_15
- Track 228 : DroogsArmy_13
- Track 229 : HINdeR_12
- Track 230 : Smeadley_10, Roary_10, Dixon_10
- Track 231 : Astro_10, Expelliarmus_9, Groundhog_9
- Track 232 : Stephig9_10
- Track 233 : Danforth_9
- Track 234 : Saintus_10
- Track 235 : NearlyHeadless_10
- Track 236 : Phillis_10
- Track 237 : Tubs_14, Aliter_14, Alma_14, Catalina_14, PackMan_14, Phaeder_14
- Track 238 : Arissanae_12, Rahalelujah_12
- Track 239 : Scherzo_14, Lilleskat_12, Ugenie5_11, Sachima_12, EdogawaKiddo_12
- Track 240 : Darrell_15
- Track 241 : Toaka_12
- Track 242 : Onglai_13, Horex_13, RyeScarlet_15, Hanray_13
- Track 243 : Priya_14, Eidsmoe_14, EmyBug_14, Spouty_14
- Track 244 : Vanisoa_12
- Track 245 : Phonnegut_14, Pioneer_14, ExplosioNervosa_14
- Track 246 : Myxus_14, HortumSL17_14
- Track 247 : Conquerage_14
- Track 248 : Elephantoon_14
- Track 249 : Qobbit_14
- Track 250 : Keziacharles14_12
- Track 251 : DreamTeam1_13
- Track 252 : BogosyJay_14, Maminiaina_14
- Track 253 : SheaKeira_13
- Track 254 : LoneWolf_14
- Track 255 : Fayely_14
- Track 256 : Yecey3_13
- Track 257 : Jiawan_13
- Track 258 : Beemo_14
- Track 259 : Charm_13
- Track 260 : 8UZL_6
- Track 261 : JacoRen57_3
- Track 262 : FF47_06, Muddy_6, Maco6_4
- Track 263 : NoShow_3
- Track 264 : Farewell_3, Sparky_3
- Track 265 : Nergal_6
- Track 266 : MalagasyRose_8
- Track 267 : MidnightRain_4, Faja_4, MaterMagnus_4, Gorpy_4, Aikyam_4, BlueShadow_4, Hillester_4, Sakai_4, JellyBread_4
- Track 268 : Seahorse_4
- Track 269 : ThayneTheZag_4
- Track 270 : Raqqa_4
- Track 271 : YoungHarleezy_4
- Track 272 : Auxilium_4
- Track 273 : EvePickles_4, Globfish_4
- Track 274 : BenchScraper_4
- Track 275 : AdaS_4, Raphaella_4, CookieBear_4
- Track 276 : Shukran_4

- Track 277 : Phrank15_3
- Track 278 : RadFad_4
- Track 279 : Isolde_4, Vopal_4, Windest_4
- Track 280 : Persistence_3
- Track 281 : Tiff81_4
- Track 282 : SpicyFrank_4
- Track 283 : Anekin_3
- Track 284 : Hestia_3
- Track 285 : Lawnathon_4
- Track 286 : Sashimi_4
- Track 287 : MUWow_3
- Track 288 : Bhageatrice_6
- Track 289 : AbbyDaisy_4
- Track 290 : Richie_4
- Track 291 : BillyTP_4
- Track 292 : Soondubu_3
- Track 293 : Exile_3
- Track 294 : AinMach_3
- Track 295 : Eraser_3, Subaru_3, Niobe_3, Asa16_3, Elezi_3, London_3, Jstan_3
- Track 296 : ObiToo_3
- Track 297 : Berrie_3
- Track 298 : Nitro_3
- Track 299 : Tallboi_3
- Track 300 : Pixelle_3
- Track 301 : Wildwest_4
- Track 302 : Reedo_3
- Track 303 : Yang_3
- Track 304 : Warda_3, Kaylissa_3, Tutumahutu_3, Powerpuff_3, AGrandiflora_3, Joemato_3, YesChef_3, Tbone_3, Mudpuppy_3, Lego_3, Simpson_3
- Track 305 : Lizalica_3
- Track 306 : Sue2_3
- Track 307 : KeAlii_3
- Track 308 : DrSierra_3
- Track 309 : Pumpkins_3
- Track 310 : JuneStar_3
- Track 311 : MissSwiss_3
- Track 312 : DrManhattan_3, Adolin_3
- Track 313 : Iter_3, Ascela_3
- Track 314 : Janeemi_4
- Track 315 : Tian_3, Amyev_3
- Track 316 : Turab_3, Tuck_4, Adumb2043_3, Community_4
- Track 317 : IttyBittyPiggy_3
- Track 318 : JohnDoe_3
- Track 319 : Phives_4
- Track 320 : Cassia_3
- Track 321 : Cyan_3
- Track 322 : Crewmate_4
- Track 323 : TforTroy_3
- Track 324 : Shaffner_3
- Track 325 : AEgle_3
- Track 326 : VResidence_3
- Track 327 : Maureen_3, Liebe_3
- Track 328 : MaGuCo_3

- Track 329 : Tweety19_4
- Track 330 : Snek_4
- Track 331 : Emotion_3
- Track 332 : JasmineDragon_3, MiniMommy_3, ShakeltOph_3, VroomVroom_3
- Track 333 : LadyAstra_3
- Track 334 : Halsey_3
- Track 335 : Beaupre_3, Mysterium_3, Gumpizza_3, Stuu_3
- Track 336 : Moss_3, Ashes_3, RockScotty_3, Giorgio_3, SpecialK_3
- Track 337 : Sabourin_3, Kalimba_3, Sooty_3, Cappuccino_3, Gambol_3, Donkey_3
- Track 338 : Phettuccine_7, Bovely_7, Unstoppable_7, Ozzie_7, Aaronocolus_7, Legacy_7, BeardedLady_8, Esperer_7, Hydra_9, Nerdos_7, SunsetPointe_7, Leviticus_7, Indigo_7
- Track 339 : Nabi_7, Rana_7
- Track 340 : Eddasa_8, Izzy_8, Rusticus_8, Jash_8, BryanRecycles_8
- Track 341 : Lorelei_7
- Track 342 : Asten_7, OzzyJ_8, Triste_7
- Track 343 : Ejemplo_7, TuanPN_7, Yasdnil_7
- Track 344 : Katalie_8, RedBear_9, South40_8
- Track 345 : Emaanora_9, Snorlax_7, Werner_7, SarahRose_7, BarryBee_9, Whatever_7, Dwayne_7, Hippo_7
- Track 346 : TagePhighter_8, Chucky_7
- Track 347 : Lika_7, Godpower_8
- Track 348 : Dattran_8, Sujidade_8, Goby_7, Toma_7
- Track 349 : Lannister_8
- Track 350 : Zemlya_8, Celeste_7, Danzina_8
- Track 351 : EnochSoames_8
- Track 352 : Brataylor_8
- Track 353 : Oliynyk_8
- Track 354 : Maneekul_7
- Track 355 : Nanodon_9
- Track 356 : Caliburn_7
- Track 357 : Axiom_8
- Track 358 : ELB20_06, R4_7
- Track 359 : TinaBelcher_7, Bowden_8
- Track 360 : Caelum_8
- Track 361 : Amethyst_7
- Track 362 : Haizum_7
- Track 363 : Andris_7
- Track 364 : Puginator_9
- Track 365 : Janus_8
- Track 366 : Pablito_7
- Track 367 : Jevington_9, Marav_10
- Track 368 : Animus_8, SqueakyClean_8
- Track 369 : Triumph_9
- Track 370 : Daudau_7
- Track 371 : TrvxScott_6
- Track 372 : Nishikigoi_7, Tefunt_7
- Track 373 : BartholomewSD_9
- Track 374 : Hank144_8
- Track 375 : Issmi_8
- Track 376 : Paolo_9
- Track 377 : Thestral_8
- Track 378 : Loofah_8, Paedore_7

- Track 379 : Zainub_9
- Track 380 : Diane_7
- Track 381 : GirlDinner_7
- Track 382 : Alvy_9
- Track 383 : Omar_8
- Track 384 : Superstar_9
- Track 385 : Amela_7
- Track 386 : Pavo_8, Alsaber_8, Provolone_8, Kaine_7, Conan_8
- Track 387 : ElGato_8
- Track 388 : Verabelle_8
- Track 389 : Vanseggelen_10
- Track 390 : Celery_9
- Track 391 : Dexers_6
- Track 392 : Saftant_7
- Track 393 : phiCAM_07
- Track 394 : Yosif_8
- Track 395 : Verse_7
- Track 396 : Speedwell_8
- Track 397 : GreenWeasel_9
- Track 398 : BroPlease_8
- Track 399 : phiHau3_9
- Track 400 : Urza_7, Itza_7
- Track 401 : VieEnRose_7
- Track 402 : Celia_7
- Track 403 : phiSASD1_23
- Track 404 : Dubu_3
- Track 405 : AbbeyMikolon_3, Nesbitt_3
- Track 406 : Rowa_3
- Track 407 : Success_51
- Track 408 : Spooks_49
- Track 409 : Bimmel_47
- Track 410 : P107A_3
- Track 411 : Kubed_3
- Track 412 : MEAK_3
- Track 413 : Leviosa_3
- Track 414 : P100A_3
- Track 415 : PA6_3
- Track 416 : PAS50_3
- Track 417 : P9.1_3, P106M_3, P106C_3, P106A_3, P106L_3, P106I_3
- Track 418 : Procrass1_3
- Track 419 : P100D_3
- Track 420 : ATCC29399BT_3
- Track 421 : P14.4_3
- Track 422 : PHL111M01_03
- Track 423 : P105_3
- Track 424 : Solid_3
- Track 425 : LilBandit_3
- Track 426 : SKKY_3
- Track 427 : Enoki_3
- Track 428 : P101A_3
- Track 429 : PHL060L00_03
- Track 430 : PHL010M04_03
- Track 431 : P1.1_3

- Track 432 : ATCC29399BC_3, P107C_3
- Track 433 : MrAK_3
- Track 434 : Supernova_3
- Track 435 : P108C_3
- Track 436 : Lauchelly_3
- Track 437 : PHL037M02_03
- Track 438 : PHL113M01_03
- Track 439 : P100.1_3
- Track 440 : Wizzo_3
- Track 441 : P104B_3
- Track 442 : Stormborn_3
- Track 443 : Aquarius_3
- Track 444 : Cota_3, Keiki_3
- Track 445 : Moyashi_3
- Track 446 : PHL114L00_03
- Track 447 : PHL112N00_03
- Track 448 : QueenBey_3
- Track 449 : DrParker_3
- Track 450 : Ouroboros_3
- Track 451 : Attacne_3
- Track 452 : Enochoraptor_3
- Track 453 : Rileysaurus_3
- Track 454 : Pirate_3
- Track 455 : BruceLethal_3
- Track 456 : PHL071N05_03
- Track 457 : P104A_3
- Track 458 : PAD20_3
- Track 459 : PHL067M10_03
- Track 460 : E6_4, B22_4
- Track 461 : Doucette_4, G4_4
- Track 462 : Lillie_9, Belenaria_9, Swann_9, Nancinator_9, Natosaleda_9, CosmicSans_9, StCroix_9, Phrankenstein_9, Rhodalysa_9, UhSalsa_9, Erik_9, Espica_9, Naiad_9, Krishelle_9, Bradshaw_9, Shuman_9, RER2_2, Gollum_9, TWAMP_9, Alatin_9, RexFury_9
- Track 463 : BobbyDazzler_9, Yoncess_9, Rasputin_9, Bryce_9
- Track 464 : Partridge_9, Dinger_9
- Track 465 : Alpacados_8, Bonanza_9, Yogi_9
- Track 466 : PhailMary_8
- Track 467 : Harlequin_9, Jester_9
- Track 468 : AngryOrchard_8, Takoda_9
- Track 469 : AppleCloud_7
- Track 470 : RGL3_2
- Track 471 : Hiro_9
- Track 472 : Sopespian_5, Quasar_5, Nina_5, Socotra_6, Cozz_5, MunkgeeRoachy_5, GoldHunter_6, Burnsey_5, Elliott_5, Starburst_6, ChickenTender_7, Axym_5, PsychoKiller_5, Typhonmarchy_6
- Track 473 : MScarn_7
- Track 474 : Azira_7, Survivors_7, Nibbles_7, MaVan_7, Zareef_8
- Track 475 : Agatha_5
- Track 476 : Carsonalex_6
- Track 477 : Horseradish_6, Yummy_6
- Track 478 : Hexbug_6
- Track 479 : PotPie_5, SummitAcademy_4

- Track 480 : KayGee_5
- Track 481 : Biskit_6, SweatNTears_7, SketchMex_4
- Track 482 : Orla_6
- Track 483 : GiKK_8
- Track 484 : Dre3_5, Gibbous_5
- Track 485 : Lauer_4
- Track 486 : Elinal_6, Bavidard_5, Yucky_7
- Track 487 : Cleo_5
- Track 488 : Tolls_7, SteamedHams_7
- Track 489 : Buttermilkdreams_5, Blondies_5, Troje_5
- Track 490 : Amok_4
- Track 491 : MAnor_5
- Track 492 : Nodigi_6
- Track 493 : Yakult_6
- Track 494 : Feastonyeet_4, BigChungus_4
- Track 495 : HippoPololi_7
- Track 496 : RanchParmCat_8, Margaret_8
- Track 497 : GTE2_03
- Track 498 : AndPeggy_4, Yarn_4, CanesSauce_5, ChocoMunchkin_5
- Track 499 : Vine_6
- Track 500 : CherryonLim_6
- Track 501 : BillDoor_7
- Track 502 : Emalyn_4
- Track 503 : RedBaron_6
- Track 504 : SheckWes_4, Pons_5
- Track 505 : AikoCarson_4
- Track 506 : Mayweather_6
- Track 507 : Fribs8_6
- Track 508 : Button_6
- Track 509 : Jamzy_8
- Track 510 : Cashline_3
- Track 511 : LonelyBoi_3
- Track 512 : Wrigley_3
- Track 513 : Posh_3
- Track 514 : Jablanski_3, Pytheas_3
- Track 515 : Confidence_3, BeeGee_3
- Track 516 : Bradissa_3
- Track 517 : Angelique_3
- Track 518 : BritBrat_3, Pollux_3, EnalisNailo_3, Marteena_3, Lilas_3, Floral_3, EMSquaredA_3
- Track 519 : Lucky10_3
- Track 520 : PhorbesPhlower_3, Morkie_3
- Track 521 : Ecliptus_4
- Track 522 : ODay_4
- Track 523 : MortyNRick_3, BearBQ_3, Birdsong_3
- Track 524 : Malisha_4
- Track 525 : LitninMcQueen_4, CheeseTouch_4, Holliday_4, Kamaru_4, Budski_4, Phabuloso_4
- Track 526 : BENtherdunthat_4, BotCity_4, Leroy_4, Asapag_4, Frickyeah_4
- Track 527 : Periwinkle_4, Kenna_4, Lutum_4
- Track 528 : Phistory_4
- Track 529 : Whitney_4, Getalong_4
- Track 530 : Horus_4

- Track 531 : ShawBrad_4
- Track 532 : Spooky_4
- Track 533 : Squiddly_5
- Track 534 : Apricot_3, Crater_3
- Track 535 : Kuwabara_3
- Track 536 : Ziko_38, Ronaldo_38, Volt_37, Fryberger_35
- Track 537 : Keelan_33
- Track 538 : Guey18_40
- Track 539 : Phishy_6
- Track 540 : Vordorf_5
- Track 541 : BabyMoney_5
- Track 542 : Dogfish_5
- Track 543 : Meyran_5
- Track 544 : Ewald_6
- Track 545 : Nyceirae_7
- Track 546 : Kudrefre_13
- Track 547 : Sephiroth_14
- Track 548 : Syleon_14
- Track 549 : Octobien14_14
- Track 550 : Trax_13
- Track 551 : Neville_13
- Track 552 : Rabbitrun_15
- Track 553 : IAmGroot_3
- Track 554 : SuMoo_3
- Track 555 : Honk_3
- Track 556 : UtzChips_3, Barnstormer_3
- Track 557 : Gretchen_3
- Track 558 : Mabodamaca_3
- Track 559 : Cen1621_3
- Track 560 : Caron_3
- Track 561 : Floof_3
- Track 562 : Zeta1847_3
- Track 563 : GardenState_3
- Track 564 : Percival_3
- Track 565 : Colleen_4, Arianna_4, Poushou_4, TouchMeNot_4
- Track 566 : Blarby_5
- Track 567 : Spikelee_4, Kingsley_4, Cerasum_4, Starcevich_4, Beakin_4, RockyHorror_4, Ramsey_4, Job42_4, Tchotchke_4, UncleRicky_4, OwlsT2W_4, JalFarm20_4, Leozinho_4, Brookers_4, SimranZ1_4, Enby_4, Sarma624_4, Oksu_4, DaWorst_4, BigPhil_4, Lorde_4, Pollywog_4, Madiba_4, Tootsieroll_4, Alexphander_4, Stap_4, Drago_4, BuzzLyseyear_4, Marker_4, Boomer_4, Coco12_4, Velveteen_4
- Track 568 : MulchExplorer_4, Hegedechwinu_4, Kimberlium_4, Brushbloom_4, Juice456_4, Flathead_4, Plumbus_4, DirtMcgirt_4
- Track 569 : DocMcStuffins_4, ChickenDinner_4, TootsiePop_4, Misha28_4, Piper2020_4, Aloeri_4, Awesomesauce_4
- Track 570 : Mozy_4
- Track 571 : Frankie_4
- Track 572 : Girafales_4, Quico_4
- Track 573 : DosHalletts_4
- Track 574 : Emmaloid_4, Totinger_4, Rialto_4, Slim_4, LittleShirley_4
- Track 575 : Cornucopia_4
- Track 576 : Ogopogo_5

- Track 577 : Seagreen_4
- Track 578 : Mova_4
- Track 579 : Bobi_4
- Track 580 : Avani_4, SilverChicken_4
- Track 581 : Soul22_4
- Track 582 : Jabbawokkie_5, Zapner_5, Che9d_4
- Track 583 : Yoshi_4
- Track 584 : Demsculpinboyz_4
- Track 585 : Squirty_4
- Track 586 : Renaud18_3
- Track 587 : TChen_3, LunaStella_3
- Track 588 : ThetaBob_3
- Track 589 : Toron_3
- Track 590 : Constance_3, PeggyLeg03_3
- Track 591 : GlobiWarming_3
- Track 592 : Karkharias_3
- Track 593 : Judy_3, Bridgette_3
- Track 594 : Peas_3, Eileen_3, HotPotato_3
- Track 595 : KayMoney_3, ChuckDuck_3
- Track 596 : Pucara_3
- Track 597 : FosterFrank_3
- Track 598 : Bauer_5, Zucker_4
- Track 599 : BlackSpider_3
- Track 600 : CallinAllBarbz_3
- Track 601 : BaileyBlu_3
- Track 602 : Jankie_3
- Track 603 : MrSmee_3, Skitty_4
- Track 604 : Hum25_3
- Track 605 : Pitbull_3
- Track 606 : Audell_8
- Track 607 : AnnabelLee_5
- Track 608 : TMaxx_5
- Track 609 : BruceB_3, Jonghyun_3, Barkley26_3, Schiebel_3, Jolene_3, Angel_3, Rabbs_3, Periodt_3, Aroostook_3, Sizemore_3, Sneeze_3, Kasen3_3, ECartman_3, ZoMa_3, Chance64_3
- Track 610 : Marmie_3, Phish_3, Renaissance_3, Remy19_3, Hotshotbaby7_3, Darionha_3, Crespo_3, Avrafan_3, Kareem_3, DMoney_3, DNAlll_003, Jane_3, CLED96_3, Mowgli_3, BPs_3, OctaviousRex_3, BQuat_3, Phreak_3, JorRay_3, TomBrady_3, Coleslaw_3, Hope_3, Cherrybomb426_3, Gomashi_3, Cedasite_3, Olga_3, LouisV14_3, Maliketh_3, AzulaCat_3, Camri_3, Wendigo_3, Zombie_3, Frosty24_3, CassieYates_3, ShaboiShabazz_3, Gideon_3
- Track 611 : Taheera_3, Terror_3
- Track 612 : Plagueis_3
- Track 613 : Paito_3
- Track 614 : TinaBug_3, Halo_3
- Track 615 : Liefie_3
- Track 616 : Sweets_3, GoldenAsh_3
- Track 617 : PinkYoshi_3, Annihilator_3
- Track 618 : Peeb_3
- Track 619 : Grizzly_3
- Track 620 : Pace1224_3
- Track 621 : Cambiare_4, Avocado_3
- Track 622 : FlagStaff_3

- Track 623 : Pinnie_4
- Track 624 : MOOREtheMARYer_3
- Track 625 : Mercurio_4
- Track 626 : Lemuria_3
- Track 627 : Jolie2_3
- Track 628 : Antsirabe_3
- Track 629 : Stargaze_3
- Track 630 : Durfee_9, QuincyRose_8, Topper_9, Rosmarinus_9, Pokerus_8, Jeckyll_9, ShiaSurprise_9, Boiiii_9
- Track 631 : Clipper_10, Jarvi_9, Asayake_9, Belladonna_9, Lunahalos_9, MacKat_9, Blizzard_9, Peel_9, BGlluviae_9, Llorens_9, Ganymede_9, Dalmuri_9, Hyperbowlee_9, Homura_9, Padfoot_9, Twitch_9, Veliki_9, Spock_9, Tiri_9, CREW_9, Capricorn_9, BarrelRoll_9, Piatt_9, Inky_9, CaseJules_9
- Track 632 : McMater_9, Shaobing_9, Richo_9, Niklas_9, Peanam_9, Dartin_9
- Track 633 : Enkosi_5
- Track 634 : Chris_8
- Track 635 : Geraldini_9, Beezoo_9
- Track 636 : BEEST_9
- Track 637 : Zavala_9, YoureAdopted_8, CallaLilly_9
- Track 638 : Atiba_9, CheetoDust_9, Emerson_9, Tachez_9, AlishaPH_9
- Track 639 : SgtBeansprout_5, Nikao_5, Nutello_5, Amelie_5, Teejan_5, Torres_5, Mdavu_5, LilPharaoh_5, Binglebops_5
- Track 640 : TruffulaTree_9
- Track 641 : DrHayes_9, SamuelLPlaqson_9, Urkel_9
- Track 642 : Mynx_9
- Track 643 : Dole_9
- Track 644 : Oscar_8
- Track 645 : Murucutumbu_9, LaterM_9
- Track 646 : Joy99_9
- Track 647 : LindNT_9
- Track 648 : LastHope_9
- Track 649 : Slimphazie_9, Ramen_9, HedwigODU_9, JAWS_9, Rapunzel97_9, Adephagia_9, Zabiza_9, Jayhawk_9, ActinUp_9
- Track 650 : Apocalypse_9
- Track 651 : Guanica15_9, Yunkel11_9
- Track 652 : LeMond_8
- Track 653 : Deby_9, Sulley_9
- Track 654 : Bern_10
- Track 655 : MeaningOfLife_9
- Track 656 : Anaya_10
- Track 657 : MarkPhew_8
- Track 658 : Bella96_9
- Track 659 : Nibb_8
- Track 660 : Prithvi_9, TreyKay_9
- Track 661 : TaiwanKao_9
- Track 662 : BaghaKamala_9
- Track 663 : Chavito_9
- Track 664 : KiSi_8
- Track 665 : Scarlett_8
- Track 666 : Efra2_9
- Track 667 : Curiosium_10
- Track 668 : Validus_9
- Track 669 : Padpat_9

- Track 670 : Devera_9, Illumine_9
- Track 671 : Megsy_9, CrimD_9
- Track 672 : TingHuaYa_9
- Track 673 : Ageofdapage_9
- Track 674 : Stinson_9
- Track 675 : Angelica_9
- Track 676 : Adonis_9
- Track 677 : TiniBug_9
- Track 678 : Milly_5, Strobilo_5
- Track 679 : BoostSeason_5, Mufasa_5
- Track 680 : Marcoliusprime_5, DismalStressor_5, DismalFunk_5
- Track 681 : TM4_5
- Track 682 : Findley_5
- Track 683 : Doughnut_5
- Track 684 : ZoeJ_5
- Track 685 : TBond007_8, Pixie_8
- Track 686 : Keshu_8
- Track 687 : Lea83_9, ShedlockHolmes_8
- Track 688 : TribbleTrouble_7
- Track 689 : Pharb_8
- Track 690 : MacnCheese_9
- Track 691 : Hurricane_8
- Track 692 : OmniCritical_10
- Track 693 : Cheetobro_10, Slarp_10, Chancellor_10
- Track 694 : Juliette_10, Ruthiejr_9
- Track 695 : Mitti_10, Taquito_8
- Track 696 : Malthus_10, Kraw_10, SamScheppers_8, Lebo14_10, Fionnbharth_10, Wintermute_10
- Track 697 : Reptar3000_10
- Track 698 : Y2_10, Y10_10
- Track 699 : JF1_10
- Track 700 : Bobquesha_10
- Track 701 : MissDaisy_10, Patt_10
- Track 702 : Eponine_10
- Track 703 : AlleyCat_7, Neighly_7, InvictusManeo_7, Psycho_7, Edugator_6, Larva_7, Dadosky_7
- Track 704 : Rando14_7
- Track 705 : Agent47_7, ViviJ_6, Kratio_6
- Track 706 : Gengar_7, Guillsminger_7, Paola_7
- Track 707 : Miryou_7, Collard_7, Feyre_7, Thyatira_7, Waterfoul_7
- Track 708 : OkiRoe_7
- Track 709 : SoSeph_7, Heftyboy_7
- Track 710 : Omnicron_7
- Track 711 : Leston_7
- Track 712 : Marshawn_10
- Track 713 : Bryler_8, Cain_8, Sunflower1121_7, Phrank_8, Shadow1_7
- Track 714 : Syra333_8
- Track 715 : Ekdilam_6
- Track 716 : Ximenita_9
- Track 717 : Ellie_6
- Track 718 : Applecrisp_7
- Track 719 : Yuna_9
- Track 720 : DarthP_8

- Track 721 : Amohnition_8
- Track 722 : Krueger_8
- Track 723 : Hammy_8
- Track 724 : Tierra_8
- Track 725 : TClif_8
- Track 726 : November_7
- Track 727 : Unicorn_8, PhelpsODU_8
- Track 728 : Fefferhead_8
- Track 729 : SirPhilip_8
- Track 730 : Amgine_7
- Track 731 : Aminay_7
- Track 732 : Boilgate_6
- Track 733 : LeBron_5, Zaria_5, AvadaKedavra_5, Wamburgrxpress_5, Silverleaf_5, DirkDirk_5, Appletree2_5, CicholasNage_5, JoeDirt_5, Calm_5, Acquire49_5, UPIE_5, Wyatt2_5, Rose5_5, Enceladus_5, Poochiewood_5
- Track 734 : OhShagHennessy_5
- Track 735 : Halena_5, MAckerman_5
- Track 736 : Tyson_5
- Track 737 : BobsGarage_5, Miley16_5, Gardann_5, LilDestine_5, BigCheese_5, Gabriela_5, Breezona_5, SoJulia_5, MkaliMitinis3_5, Faith1_5, Nicholasp3_5, Underpass_5, Zakai_5, Kahlid_5, Netyap_5, Itos_5, Winky_5, DrSeegs_5, Wilder_5
- Track 738 : DHan_5, ZhongYanYuan_4, Baoshan_4, Claus_5
- Track 739 : Rumpelstiltskin_5, Vetrix_5
- Track 740 : Bazzle_5
- Track 741 : Sarshaun_5, Loadrie_5, Soap141_5, Hafay_5
- Track 742 : Tourach_5
- Track 743 : Archie_5
- Track 744 : Lewan_5
- Track 745 : DanBing_4
- Track 746 : GuuelaD_5
- Track 747 : Finemlucis_5
- Track 748 : Wigglewiggles_5
- Track 749 : Crossroads_5
- Track 750 : MiniLon_6, Lolly9_6
- Track 751 : Red305_6, Jobypre_6, Jubie_6, MsGreen_6, Nicholas_6, Kingsolomon_6, Snenia_6, TriFive_6, Clautastrophe_6, Lumos_6
- Track 752 : Bellis_6, Finnry_6, Moostard_6, Samty_6
- Track 753 : DuncansLeg_6
- Track 754 : LiyuLake_6, BourbonZero_5
- Track 755 : KirDoubleO7_4
- Track 756 : Ellson_6
- Track 757 : MiniMac_6
- Track 758 : Krypton555_6, Whirlwind_7
- Track 759 : Quby_5
- Track 760 : Sheng711_5, BrainDrainer_5, Douzhi_5, PYPDinur_5
- Track 761 : Chaser_5
- Track 762 : Kropertea_5
- Track 763 : DyoEdafos_6
- Track 764 : FarmResident_5
- Track 765 : Bromden_5
- Track 766 : Douge_5
- Track 767 : Baudelaire_5, Aegeus_5
- Track 768 : Reindeer_13

- Track 769 : PegLeg_15, Auspice_15, Dulcita_16, Diminimus_16, Bricole_15, KleverKiS_15, Glaske16_16, TyDawg_15, FreakyGoo_15, LilhomieP_14, Skinny_16, SlimJimmy_14, Izel_14, IPhane7_15, Bongo_15
- Track 770 : Aziz_19, GenevaB15_19
- Track 771 : Rey_19
- Track 772 : GardenSalsa_19, MrMagoo_19
- Track 773 : Estes_20
- Track 774 : Nanosmite_19
- Track 775 : Huphlepuff_38, FeliMaine_38
- Track 776 : JoieB_37, Lilbit_37, Poise_36, Raela_36, Blackbeetle_36, LittleLaf_36, Pringar_36, Beelzebub_40, MosMoris_34, Gattaca_35, Caprice_33, Corazon_34, VasuNzinga_36, GoongGoong_35, Tesla_35
- Track 777 : Marvin_34, RedRaider77_36, Clarkson_37
- Track 778 : Nette_4, Mendokysei_3
- Track 779 : Nairb_4, Ibrahim_4, RonRayGun_4, ZenTime222_4, Whitty_4, Bernal13_4
- Track 780 : MaryV_27, EniyanLRS_24, Wildcat_27, Cosmo_27, Azrael100_26
- Track 781 : Nebkiss_3, Gaia_3
- Track 782 : Samy_6
- Track 783 : Kromp_3
- Track 784 : Ponzi_44
- Track 785 : Spartoi_3
- Track 786 : TPA4_3
- Track 787 : Ibantik_69
- Track 788 : IdentityCrisis_3
- Track 789 : GMA4_3
- Track 790 : Sleepyhead_3
- Track 791 : Footloose_3
- Track 792 : Juicebox_4
- Track 793 : P3MA_4
- Track 794 : Kumao_14
- Track 795 : DS6A_6
- Track 796 : ArV2_03
- Track 797 : LilSpotty_3
- Track 798 : EmiRose_3
- Track 799 : Attoomi_4

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

The start number called the most often in the published annotations is 74, it was called in 530 of the 1663 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_13, 40AC_16, ACFishhook_14, AN3_13, AN9_16, ANI8_16, AbbyPaige_15, AbbysRanger_12, Abdiel_12, Achebe_12, Acolyte_13, Adzzy_14, Aegeus_5, Agape74_15, Aglet_14, AgronaGT15_14, Alatin_9, Albee_12, Alberto7_13, Aliter_14, Alma_14, Alpacados_8, Anaysia_15, Aneem_13, AngryOrchard_8, AnnaL29_16, Annyong_12, Anon_13, Anselm_13, Anthony_12, Anubis_16, AppleCloud_7, ArcherNM_15, Arissanae_12, Artemis2UCLA_16, Arturo_11, AugsMagnumOpus_16, AvatarAhPeg_12, Avle17_12, BABullseye_16, Baby16_12, BabyBack_15,

BabyRay_12, Bachome_13, Backyardigan_12, Bactobuster_14, Badger_12, Baehexic_14, BangNhom_11, Bartimeaus_12, Battleship_16, Baudelaire_5, Beauxregard13_14, Beemo_14, Belenaria_9, BellusTerra_12, BengiVuitton_14, Benvolio_13, BiancaTri92_15, Bigflo_14, Blackmoor_12, BlessJoy_16, Blinn1_16, Blue7_16, BobSwaget_16, BobbyDazzler_9, BogosyJay_14, Bombshell_12, Bonanza_9, Boohoo_15, Bowtie_13, Bradman_12, Bradshaw_9, BreSam8_14, Broseidon_12, Bruiser_12, Bryce_9, BubbleTrouble_12, Bud_13, Buggy_15, Bumblebee11_12, Burger_11, BuzzBuzz_13, Bxz2_14, C3_11, CRB1_13, Caelakin_12, Calvinny_15, Camperdownii_11, Candra_16, Caraxes_12, Catalina_14, Caviar_13, Centaur_15, CentreCat_12, Cerulean_12, ChampagnePapi_12, Changeling_16, Chaph_12, Chargerpower_13, Charm_13, Che12_14, ChipMunk_15, Chupacabra_12, Cici_12, Cindaradix_11, Cintron_12, Citius_12, Clarenza_12, CloudWang3_16, Cocoaberry_12, Colbster_14, Colin_17, Commander_12, Connomayer_12, Conquerage_14, Cookiedough_16, CosmicSans_9, Crucio_13, Cullens_14, D29_14, D32_16, DBQu4n_16, DaHudson_14, DaVinci_16, Daishi_13, Dalmatian_13, Darrell_15, DarthPhader_14, Datway_12, Deano_12, DekHockey33_15, Deloris_14, Dhanush_12, Dieselweasel_14, Dignity_15, Dinger_9, DirtyDunning_12, DontArgue_11, Dorothea_16, Drake55_15, Drake94_11, DreamTeam1_13, DroogsArmy_13, Druantia_12, DudeLittle_13, Duplo_16, DustyMartin_15, EZMoney23_17, EagleEye_15, Eagle_11, Eaglepride_13, Eapen_12, Ebony_13, Echild_13, Edison31_12, EdogawaKiddo_12, Eidsmoe_14, Elephantoon_14, EmyBug_14, EpicPhail_14, Epsocamisio_15, Equemioh13_15, EricB_16, Erik_9, Eris_12, Eros_12, Espica_9, Et2Brutus_12, Eurydice_12, EvilGenius_15, ExplosioNervosa_14, Fameo_13, Farber_14, Fayely_14, Fernando_14, Fibonacci_13, FiringLine_13, First_0013, Flare16_13, Flaverint_13, Florean_12, Flux_12, FlyCatcher_16, Funston_12, Gadost_12, Gail_12, Garak_17, GaugeLDP_15, Gemma_14, Georgie2_14, Gilberta_13, GingkoMaracino_14, Gladiator_16, Gollum_9, Goose_12, Gratitude_14, GreedyLawyer_16, Grif_14, Groupthink_15, Grub_14, Grum1_14, Gruunaga_16, GtownJaz_14, HINdeR_12, HamSlice_11, Hammer_16, Hanray_13, Happiness_12, Harlequin_9, HarryHoudini_15, HashRod_15, HaveUMetTed_15, Heffalump_15, Heliosoles_14, Helmet_17, Herbertwm_11, Hercules11_14, Hexamo_16, Hiro_9, Horex_13, Holli_12, Hookmount_13, Hoot_16, HortumSL17_14, Houdini22_12, Hutc2_13, Huxley_12, ICleared_12, Iceman_12, Indra_16, Insomnia_13, Iracema64_12, IronMan_15, Isiphiwo_16, Iwokeuplikedis_13, JHC117_14, JSwag_15, Jaan_16, Jabith_13, Jaykayelowell_12, Jeeves_12, Jeffabunny_16, JenCasNa_14, JeppNRM_15, Jerm_15, Jester_9, JetBlade_12, JewelBug_16, Jiawan_13, Jobu08_14, JoongJeon_12, Jordennis_16, Joselito_13, JoshKayV_15, Journey13_11, Jsquared_12, KADY_15, KFPoly_12, Kalb97_15, Kalnoky_15, Kalpine_16, Kampy_12, Katalie136_12, KatherineG_15, Kazan_16, Kerberos_16, Keziacharles14_12, Kimona_9, KingCyrus_15, Kingmustik0402_12, Kinmap_12, Kipper29_16, KittenMittens_11, Koan_11, Koduck_13, Koko_16, Koreni_11, Kratark_12, Kremtemulon_12, Krishelle_9, Kristoff_13, Kyee_12, L5_14, LBerry_14, LHTSCC_12, LadyBird_13, Lambert1_13, Landor_14, LappelDuVide_12, Larenn_14, LarryKay_14, LastResort_15, Lemur_12, LeoAvram_12, Leogania_15, Leviathan_15, LilTurb_15, Lilbunny_16, Lilith_14, Lilleskat_12, Lillie_9, LionsBait_14, LittleB_12, LittleGuy_12, LochMonster_12, Lokk_16, LoneWolf_14, Looper_16, Lorenzo_12, Loser_16, Louie6_14, Lowa_14, Luchador_13, Lucivia_13, Lucyedi_14, LugYA_16, Lunsford_13, MaCh_13, Mabel_13, MadMarie_14, Mainiac_14, MajorMajor_12, Malec_14, Malinsilva_16, Maminiaina_14, Manu_15, MarQuardt_14, Margo_13, Marie_14, Marius_15, Maverick_12, Maxo_12, Mayonnaise_12, Mazhar510_12, McFly_16, Medusa_12, MeeZee_12, Melvin_12, Methuselah_14, Microwolf_14, MiculUcigas_13, Miko_16, Millski_12, MinecraftSteve_16, Miramae_12,

Misomonster_16, MissWhite_13, MoneyMay_14, Morpher26_12, Morrow_12, MuchMore_16, Mulciber_13, Munch_13, Mundrea_12, Myxus_14, NaSiaTalie_13, Naiad_9, Naji_16, Nancinator_9, Natosaleda_9, Nebs_12, Nebulosus_15, Nedarya_14, Neeharika16_16, Nemo27_12, Newrala_16, NicoleTera_17, Noella_13, Noelle_12, Norbert_12, NorthStar_12, NotAPhaseMom_12, NothingSpecial_15, Nyxis_12, OKCentral2016_12, OKaNui_12, Obama12_12, Odin_12, Ohfah_12, OlanP_14, Ollie_14, Onglai_13, Oofda_16, Orange_13, P28Green_14, PGHhamlin_16, PP_22, PackMan_14, PainterBoy_14, Palestino_12, Panamaxus_13, Partridge_9, Pawn_14, PeaceMeal1_11, Peaches_12, Pembroke_14, Penny1_14, Perplexer_12, PeterPeter_12, Petersenfast_12, PetiteSangsue_12, Ph8s_14, Phacado_12, Phaded_16, Phaeder_14, PhailMary_8, Pharaoh_13, Phelipe_12, Phighter1804_12, PhishRPhriends_13, Phlei_9, Phoebe_14, Phonnegut_14, Phontbonne_12, Phoxy_14, Phrankenstien_9, Phranny_15, Pioneer_14, Pipcraft_12, Piro94_14, Pmask_16, Pocahontas_13, Polymorphads_12, Pomar16_16, Poompha_11, Popcicle_13, PotatoSplit_15, Power_13, Priamo_16, Priya_14, Pukovnik_15, Pumbaa_12, PurpleHaze_14, Qobbit_14, QueenB2_13, QueenBeesly_13, QuinnKiro_12, Quokka_11, RER2_2, RGL3_2, Rachaly_16, Rahalelujah_12, Rasputin_9, ReMo_15, Reba_15, Rebeuca_13, RedRock_16, Refuge_16, Relief_12, Remus_15, ResDef_13, Retro23_13, RexFury_9, Rhodalysa_9, RhynO_13, Rifter_16, Roksolana_16, Romney_12, Roosevelt_12, Rosa24_11, Rosalind_15, Rowdy_15, Ruin_12, Rummer_14, RyeScarlet_15, Sabertooth_12, Sabia_14, Sachima_12, Salz_13, Scamp_12, Scherzo_14, SemperFi_15, SenorClean_11, Serenity_12, Severus_11, Shaka_12, Sham4_13, Shapes_15, ShayRa_16, SheaKeira_13, Sheen_14, SheldonCooper_12, Shuman_9, Shygu2_12, Skipitt_12, Sknot_14, Smeagan_15, SmellyB_16, SnapTap_13, Snape_13, Snickers_14, SoYo_14, SoilDragon_14, SororFago_12, Soshari_16, Soups_15, Sparxx_12, Spike509_14, Spino_12, Spouty_14, StCroix_9, Stagni_14, StarStuff_16, Stasia_13, Steamy_14, Stink_12, Strosahl_15, Sunhee_11, SuperAwesome_16, SuperCallie99_16, Superchunk_12, Swann_9, SweetiePie_13, SwirlSquare_15, Switzerland_15, TWAMP_9, Takoda_9, Taquarus_12, TarsusIV_13, Taurus_14, Temprado_17, Terrific_17, Texage_12, Thanksgivukkah_12, Tiffany_14, Timothy_13, Timshel_13, TinaFeyge_12, TinyPebbles_14, TinyTimmy_13, Tinybot_11, TipsytheTRex_12, TiroTheta9_12, Toaka_12, Todacoro_13, Tomathan_16, ToneTone_15, Topanga_12, Toro_15, Travvers_16, Trike_10, Tristan_14, Trixie_16, Trooper_13, TroyPia_12, Tubs_14, Tucker_16, Turbido_15, Twister_12, TygerBlood_12, Ugenie5_11, UhSalsa_9, Ulysses_11, Updawg_15, VA6_13, VC3_16, Vanisoa_12, Veracruz_12, Vix_14, VohminGhazi_16, Waits_15, WalterMcMickey_12, Wander_12, Warrior24_16, Watson_14, WeiHuaDA_19, Whabigail7_15, WideWale_15, Wiks_16, Wilbur_12, Wile_12, Wizard007_12, Wooldri_16, WunderPhul_16, Xena_12, XianYue_13, Yecey3_13, YoSam321_12, Yogi_9, Yokurt_16, Yoncess_9, Zaka_16, Zetzy_13, Zimmer_15, Zulu_16,

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

- Chartreuse_16, Polyphemus_15, Sabinator_14, Stargaze_3, StepMih_14,

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

- 8UZL_6, A6_10, AEgle_3, AFIS_12, AGrandiflora_3, ATCC29399BC_3, ATCC29399BT_3, Aaronocolus_7, AbbeyMikolon_3, AbbyDaisy_4, Abbyshoes_13, Abrogate_130, Acme_14, Acquire49_5, ActinUp_9, AdaS_4, Adahisdi_13, Adephegia_9, Adolin_3, Adonis_9, Adumb2043_3, Aeneas_14, Agaliana_12, Agatha_5, Agent47_7, AgentM_10, Ageofdapage_9, AikoCarson_4, Aikyam_4, AinMach_3, Airmid_10, Ajay_12, Alexphander_4, AlishaPH_9, AlleyCat_7, Aloeri_4, Alsaber_8, Alsfro_16, Altman_13, Alvin_13, Alvy_9, Amela_7, Amelie_5, Amethyst_7,

Amgine_7, Aminay_7, Amohntion_8, Amok_4, Amyev_3, Anaya_10, AndPeggy_4, Andris_7, Anekin_3, Angel_3, Angelica_9, Angelique_3, Anglerfish_13, Animus_8, AnnabellLee_5, Annihilator_3, Antsirabe_3, Apocalypse_9, Applecrisp_7, Applejack_12, Appletree2_5, Apricot_3, Aquarius_3, ArV2_03, Aragog_10, Arcanine_13, Archetta_10, Archie_5, Arianna_4, Arlo_11, Aroostook_3, Asa16_3, Asapag_4, Asayake_9, Ascela_3, Ashballer_11, Ashes_3, Asten_7, Astro_10, Atiba_9, Atkinbua_13, Attacne_3, Attoomi_4, Audell_8, Auspice_15, Auxilium_4, AvadaKedavra_5, Avani_4, Avocado_3, Avrafan_3, Awesomesauce_4, Axiom_8, Axym_5, Azira_7, Aziz_19, Azrael100_26, AzulaCat_3, B1_10, B22_4, BEEST_9, BENtherdunthat_4, BGlluviae_9, BK1_10, BPBiabs31_13, BPs_3, BQuat_3, BabyJohn_11, BabyMoney_5, BaconJack_14, BaghaKamala_9, BaileyBlu_3, Baoshan_4, Barkley26_3, Barnstormer_3, BarrelRoll_9, Barriga_12, BarrowTuph_11, BarryBee_9, BartholomewSD_9, Bauer_5, Bavidard_5, Bazzle_5, Beakin_4, BearBQ_3, BeardedLady_8, Beatrix_11, Beaupre_3, BeeGee_3, Beelzebub_40, BeesKnees_13, Beezoo_9, Bella96_9, Belladonna_9, Bellis_6, BenchScraper_4, Benedict_10, Bern_10, Bernal13_4, Berrie_3, Bethlehem_12, Bexan_11, Bhageatrice_6, Big3_12, BigCheese_5, BigChungus_4, BigMau_14, BigPaolini_13, BigPhil_4, Bigchungi_12, Bigfoot_11, Binglebops_5, BillDoor_7, BillKnuckles_13, BillyTP_4, Bimmel_47, Bircsak_12, Birdsong_3, Biskit_6, BlackSpider_3, Blackbeetle_36, Blarby_5, Blizzard_9, Blondies_5, BluSpix_12, BlueBird_13, BlueShadow_4, Blue_12, Bluefalcon_9, Bob3_11, Bobi_4, Bobquesha_10, BobsGarage_5, Boiiii_9, Boilgate_6, Bonamassa_10, Bones_12, Bongo_15, Boomer_4, BoostSeason_5, BotCity_4, BourbonZero_5, Bovely_7, Bowden_8, Bradissa_3, BrainDrainer_5, Brataylor_8, Breezona_5, Bricole_15, Bridgette_3, BritBrat_3, Briton15_14, BroPlease_8, Bromden_5, Brookers_4, BruceB_3, BruceLethal_3, Bruns_11, Brushbloom_4, BryanRecycles_8, Bryler_8, Budski_4, Bugatti_12, Burnsey_5, Burton_13, Button_6, Buttons_13, Buttrmlkdreams_5, BuzzLyseyear_4, Bxb1_11, CLED96_3, CREW_9, CactusRose_11, Caelum_8, Cain_8, Caliburn_7, CallaLilly_9, CallinAllBarbz_3, Calm_5, Cambiare_4, Camri_3, CanesSauce_5, Cappuccino_3, Caprice_33, Capricorn_9, Carlyle_14, Caron_3, Carsonalex_6, CaseJules_9, Cashline_3, Cassia_3, CassieYates_3, Cedasite_3, Celery_9, Celeste_7, Celia_7, Cen1621_3, Cerasum_4, Chadwick_11, Chanagan_11, Chance64_3, Chancellor_10, Chaser_5, Chavito_9, Che9d_4, CheeseTouch_4, CheetoDust_9, Cheetobro_10, Cherrybomb426_3, CherryonLim_6, ChickenDinner_4, ChickenTender_7, Chiqui_11, ChocoMunchkin_5, Chris_8, ChuckDuck_3, Chucky_7, Ciao_12, CicholasNage_5, Clarkson_37, Claus_5, Clautastrophe_6, Cleo_5, Clipper_10, Coco12_4, Coleslaw_3, Collard_7, Colleen_4, Community_4, Conan_8, Conceptll_12, Confidence_3, Conspiracy_10, Constance_3, Coog_10, CookieBear_4, Corazon_34, Cornucopia_4, Corvo_12, Cosmo_27, Cota_3, Cozz_5, Crater_3, Crespo_3, Crewmate_4, CrimD_9, Crispicous1_11, Crossroads_5, Cuco_10, Cueylyss_12, Curiosium_10, Cyan_3, DD5_13, DHan_5, DMoney_3, DNAlII_003, DS6A_6, DaWorst_4, Dadosky_7, Dalmuri_9, DanBing_4, Danforth_9, Danzina_8, Darionha_3, DARTH_P_8, Dartin_9, Dattran_8, Daudau_7, Deby_9, Demsculpinboyz_4, Devera_9, Dexers_6, Dexes_13, Diane_7, Diminimus_16, DirkDirk_5, DirtMcGirt_4, Discoknowium_10, DismalFunk_5, DismalStressor_5, Dixon_10, DocMcStuffins_4, Dogfish_5, Dole_9, Donkey_3, Doom_12, DosHalletts_4, Doucette_4, Douge_5, Doughnut_5, Douzhi_5, DrFeelGood_11, DrHayes_9, DrManhattan_3, DrParker_3, DrSeegs_5, DrSierra_3, Drago_4, Dre3_5, DreamCatcher_15, Dreamboat_13, DropBear_12, Dublin_9, Dubu_3, Dulcie_11, Dulcita_16, DuncansLeg_6, Durfee_9, Dussy_13, Dwayne_7, Dynamix_13, DyoEdafos_6, E6_4, ECartman_3, ELB20_06, EMSquaredA_3, Ecliptus_4, Eddasa_8, Edtherson_13, Edugator_6, Efra2_9, Eileen_3, Ejemplo_7, Ekdilam_6, ElGato_8, ElTiger69_10, Elezi_3, Elinal_6, Elliott_5, Ellie_6, Ellson_6,

Emaanora_9, Emalyn_4, Emerson_9, EmiRose_3, Emmaloid_4, Emotion_3, EnalisNailo_3, Enby_4, Enceladus_5, EniyanLRS_24, Enkosi_5, EnochSoames_8, Enochoraptor_3, Enoki_3, EnzoK_12, Eponine_10, Eraser_3, Esperer_7, Espresso_12, Estes_20, Euphoria_12, EvePickles_4, Ewald_6, Exile_3, Expelliarmus_9, Eyeball_12, FF47_06, Faith1_5, Faja_4, Fajezeel_14, Farewell_3, FarmResident_5, Fascinus_11, Feastonyeet_4, Fefferhead_8, FeliMaine_38, Fenn_13, Feyre_7, Findley_5, Finemlucis_5, Finnry_6, Fionnbharth_10, FlagStaff_3, Flathead_4, Floof_3, Floral_3, Footloose_3, ForGetIt_10, Forsytheast_11, FosterFrank_3, Francis47_12, Frankie_4, FreakyGoo_15, Fred313_12, Fribs8_6, Frickyeah_4, Froghopper_13, Frosty24_3, Fryberger_35, Fushigi_13, G4_4, GMA4_3, GMonster_11, GTE2_03, Gabriela_5, GageAP_14, Gaia_3, Gambol_3, Gandalf20_13, Ganymede_9, Gardann_5, GardenSalsa_19, GardenState_3, Gattaca_35, GenevaB15_19, Gengar_7, George_9, Geraldini_9, Getalong_4, Ghoulyboy_10, GiKK_8, Gibbous_5, Gideon_3, Giorgio_3, Girafales_4, GirlDinner_7, Giroux_12, Glaske16_16, Globfish_4, GlobiWarming_3, Goby_7, Godpower_8, GoldHunter_6, GoldenAsh_3, Gomashi_3, Gompeii16_12, GoongGoong_35, Gorpy_4, Graduation_14, GrecoEtereo_13, GreenWeasel_9, Greg_14, Gretchen_3, Grizzly_3, Groundhog_9, Guanica15_9, Guey18_40, Guillsminger_7, Gumpizza_3, GuuelaD_5, Gwendoluna_14, Gyzlar_14, Hafay_5, Haizum_7, Halena_5, Halo_3, Halsey_3, Hami1_14, Hammy_8, HanShotFirst_12, Hank144_8, HarryOW_13, Heathen_12, HedwigODU_9, Heftyboy_7, Hegedechwinu_4, HelDan_12, Hermia_14, HermioneGrange_13, Hestia_3, Hexbug_6, Hillester_4, HippoPololi_7, Hippo_7, Holliday_4, Homines_12, Homura_9, Honk_3, Hope4ever_12, Hope_3, Horseradish_6, Horus_4, HotPotato_3, Hotshotbaby7_3, HuhtaEnerson15_10, Hum25_3, Huphlepuuff_38, Hurricane_8, Hydra_9, Hyperbowlee_9, IAmGroot_3, ILeeKay_14, IPhane7_15, Ibantik_69, Ibrahim_4, Ichabod_13, IdentityCrisis_3, Idleandcovert_12, IgnatiusPatJac_11, Illumine_9, Indigo_7, Inky_9, InvictusManeo_7, Inyanga_11, Iqorha_11, Isca_12, Isolde_4, Issmi_8, Iter_3, Itos_5, IttyBittyPiggy_3, Itza_7, Izel_14, Izzy_8, JAWS_9, JC27_14, JF1_10, JF2_12, JF4_12, Jabbawokkie_5, Jabiru_10, Jablanski_3, JackSparrow_13, JacoRen57_3, JalFarm20_4, Jamzy_8, Jane_3, Janeemi_4, Jankie_3, Janus_8, Jarvi_9, Jash_8, JasmineDragon_3, Jasper_13, Jayhawk_9, Jeckyll_9, JellyBread_4, Jerm2_13, Jevington_9, Job42_4, Jobypre_6, JoeDirt_5, Joemato_3, JohnDoe_3, JoieB_37, Jolene_3, Jolie2_3, Jonghyun_3, JorRay_3, Jorgensen_12, Jovo_10, Joy99_9, Jstan_3, Jubie_6, Judy_3, Juice456_4, Juicebox_4, JuliaChild_14, Juliette_10, JuneStar_3, KBG_13, KSSJEB_12, Kachowdy_12, Kahlid_5, Kaine_7, Kalimba_3, Kamaru_4, Kanely_13, Kareem_3, Karkharias_3, Kasen3_3, Katalie_8, KayGee_5, KayMoney_3, Kaylissa_3, KeAlii_3, Keelan_33, Keiki_3, Kenmech_15, Kenna_4, Keshu_8, KiSi_8, Killigrew_10, Kimberlium_4, Kingsley_4, Kingsolomon_6, KirDoubleO7_4, KleverKiS_15, Kratio_6, Kraw_10, Kromp_3, Kropertea_5, Krueger_8, Krypton555_6, Kubed_3, Kudefre_13, Kugel_13, Kumao_14, Kuwabara_3, KyMonks1A_14, Kykar_10, LadyAstra_3, Lamina13_12, Lannister_8, Larva_7, LastHope_9, LaterM_9, Lauchelly_3, Lauer_4, Lawnathon_4, LeBron_5, LeMond_8, Lea83_9, Lebo14_10, Legacy_7, Lego_3, Lemuria_3, Leozinho_4, Leroy_4, Lesedi_11, Leston_7, Lev2_10, Levia_11, Leviosa_3, Leviticus_7, Lewan_5, Licorice_14, Liebe_3, Liefie_3, Lika_7, LilBandit_3, LilBib_13, LilDestine_5, LilPharaoh_5, LilSpotty_3, Lilas_3, Lilbit_37, LilhomieP_14, LindNT_9, LitninMcQueen_4, LittleCherry_10, LittleLaf_36, LittleShirley_4, LiyuLake_6, Lizalica_3, Llorens_9, Loadrie_5, Lockley_12, Lolly9_6, London_3, LonelyBoi_3, Loofah_8, Lopton_13, Lorde_4, Lorelei_7, LouisV14_3, Lucky10_3, Lumos_6, LunaStella_3, Lunahalos_9, LunarLander_12, Lutum_4, MA5_12, MAckerman_5, MAnor_5, MEAK_3, MK4_12, MOOREtheMARYer_3, MPlant7149_11, MScarn_7, MUWow_3, MaGuCo_3, MaVan_7, Mabodamaca_3, MacKat_9, MacnCheese_9,

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Sakai_4, SamScheppers_8, Samty_6, SamuelLPlaqson_9, Samy_6, Sandaddy_11,
 Sanya_11, SarFire_12, SarahRose_7, Sarma624_4, Sarshaun_5, Sashimi_4,
 SaturnRing_12, Scarlett_8, Schiebel_3, Scorpia_11, Scout_12, Scowl_13,
 Seabiscuit_14, Seagreen_4, Seahorse_4, Seanderson_13, Sephiroth_14,
 SgtBeansprout_5, ShaboiShabazz_3, Shadow1_7, Shaffner_3, ShakeltOph_3,
 Shaobing_9, ShawBrad_4, SheckWes_4, ShedlockHolmes_8, Sheng711_5,
 ShiaSurprise_9, ShortQueendom_11, Shukran_4, Sibs6_14, SilverChicken_4,
 Silverleaf_5, Simpson_3, SimranZ1_4, SirPhilip_8, Sizemore_3, SketchMex_4,
 SkiPole_14, Skinny_16, Skitty_4, Slagathor_13, Slarp_10, Sleepyhead_3,
 SlimJimmy_14, Slim_4, Slimphazie_9, Smairt_13, Smeadley_10, Smeagol_13,
 Snazzy_10, Sneeze_3, Snek_4, Snenia_6, Snorlax_7, SoJulia_5, SoSeph_7,
 Soap141_5, Socotra_6, Solid_3, Solon_12, Soondubu_3, Sooty_3, Sopespian_5,
 Sorpresa_12, Soul22_4, South40_8, Sparky_3, Spartoi_3, SpecialK_3, Speedwell_8,
 SpicyFrank_4, SpikeBT_14, Spikelee_4, Spock_9, Spooks_49, Spooky_4,
 SqueakyClean_8, Squee_13, Squiddly_5, Squirty_4, Stap_4, Starburst_6,
 Starceвич_4, SteamedHams_7, Stephig9_10, StewieG_11, Stinson_9, Stormborn_3,
 Strobilo_5, StrongArm_11, Stuu_3, SuMoo_3, Subaru_3, Success_51, Sue2_3,
 Sujidade_8, Sulley_9, SummitAcademy_4, Sumter_11, Sunflower1121_7,
 SunsetPointe_7, Sunshine924_11, Supernova_3, Superstar_9, Survivors_7,
 SweatNTears_7, Sweets_3, Swirley_10, SwissCheese_12, Switzer_13, Swole_14,
 SydNat_10, Syleon_14, Syra333_8, TBond007_8, TChen_3, TClif_8, TM4_5,
 TMaxx_5, TNguyen7_12, TPA4_3, Tachez_9, TAgePhighter_8, Taheera_3,
 TaiwanKao_9, Tallboi_3, Taquito_8, Target_14, Tarynearal_9, Tasp14_13, Tbone_3,
 Tchotchke_4, Teejan_5, Tefunt_7, Teodoridan_10, Terror_3, Tesla_35, TforTroy_3,
 ThayneTheZag_4, Theia_9, TheloniousMonk_14, Thestral_8, ThetaBob_3, Thor_12,
 Thyatira_7, Tian_3, Tierra_8, Tiff81_4, Tiger_10, TinaBelcher_7, TinaBug_3,
 TingHuaYa_9, TiniBug_9, Tiri_9, Tolls_7, TomBrady_3, Toma_7, TootsiePop_4,
 Tootsieroll_4, Topgun_12, Topper_9, Toron_3, Torres_5, Tote_14, Totinger_4,
 TouchMeNot_4, Tourach_5, Traft412_14, Trax_13, Treddle_14, TreyKay_9,
 TriFive_6, TribbleTrouble_7, Tripl3t_13, Triste_7, Triumph_9, Troje_5, Trouble_12,
 TruffulaTree_9, TrvxScott_6, TuanPN_7, Tuck_4, Turab_3, Turj99_11,
 Tutumahutu_3, Tweety19_4, Twigg_10, Twitch_9, TwoPeat_13, TyDawg_15,
 Typhonomachy_6, Tyson_5, U2_12, UPIE_5, UncleRicky_4, Underpass_5,
 Unicorn_8, UnionJack_10, Unstoppable_7, Urkel_9, Urza_7, UtzChips_3,
 VResidence_3, Validus_9, Vanseggelen_10, VasuNzinga_36, Veliki_9, Velveteen_4,
 Verabelle_8, Verse_7, Vetric_5, VieEnRose_7, Vine_6, Violet_11, ViviJ_6, Volt_37,
 Vopal_4, Vordorf_5, VroomVroom_3, Wamburggrxpress_5, Warda_3, Waterfoul_7,
 Watermelon_14, Wendigo_3, Werner_7, Whatever_7, Wheeler_12, Whirlwind_7,
 Whitney_4, Whitty_4, Wigglewiggles_5, Wildcat_27, Wilder_5, Wildwest_4, Wilkins_12,
 Windest_4, Winky_5, Wintermute_10, Wizzo_3, Wrigley_3, Wyatt2_5, Ximenita_9,
 Y10_10, Y2_10, Yakult_6, Yang_3, Yarn_4, Yasdnil_7, YesChef_3, Yoshi_4, Yosif_8,
 YoungHarleezy_4, YoureAdopted_8, Yucky_7, Yummy_6, Yuna_9, Yunkel11_9,
 Zabiza_9, Zainub_9, Zakai_5, Zapner_5, Zareef_8, Zaria_5, Zavala_9, Zeeculate_11,
 Zemlya_8, ZenTime222_4, Zephyr_12, Zeta1847_3, Zeuska_13, ZhongYanYuan_4,
 Ziko_38, ZoMa_3, ZoeJ_5, Zolita_9, Zombie_3, Zucker_4, phiCAM_07, phiHau3_9,
 phiSASD1_23,

Summary by start number:

Start 38:

- Found in 2 of 1923 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present

- Phage (with cluster) where this start called: Stargaze_3 (G5),

Start 48:

- Found in 20 of 1923 (1.0%) of genes in pham
- Manual Annotations of this start: 17 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beelzebub_40 (S), Blackbeetle_36 (S), Caprice_33 (S), Clarkson_37 (S), Corazon_34 (S), FeliMaine_38 (S), Gattaca_35 (S), GoongGoong_35 (S), Huphlepuuff_38 (S), JoieB_37 (S), Lilbit_37 (S), LittleLaf_36 (S), Marvin_34 (S), MosMoris_34 (S), Poise_36 (S), Pringar_36 (S), Raela_36 (S), RedRaider77_36 (S), Tesla_35 (S), VasuNzinga_36 (S),

Start 49:

- Found in 165 of 1923 (8.6%) of genes in pham
- Manual Annotations of this start: 25 of 1663
- Called 15.8% of time when present
- Phage (with cluster) where this start called: Bern_10 (K1), Boiiii_9 (K1), Curiosium_10 (K1), Devera_9 (K1), Durfee_9 (K1), Enkosi_5 (K1), Eponine_10 (K4), Illumine_9 (K1), JF1_10 (K4), Jeckyll_9 (K1), LindNT_9 (K1), Mynx_9 (K1), OmniCritical_10 (K4), Padpat_9 (K1), Pokerus_8 (K1), QuincyRose_8 (K1), Reptar3000_10 (K4), Rosmarinus_9 (K1), ShiaSurprise_9 (K1), SirPhilip_8 (K6), TClif_8 (K6), TiniBug_9 (K1), Topper_9 (K1), TribbleTrouble_7 (K3), TruffulaTree_9 (K1), Validus_9 (K1),

Start 50:

- Found in 206 of 1923 (10.7%) of genes in pham
- Manual Annotations of this start: 160 of 1663
- Called 87.4% of time when present
- Phage (with cluster) where this start called: ActinUp_9 (K1), Adephagia_9 (K1), Adonis_9 (K1), Agent47_7 (K5), Ageofdapage_9 (K1), AlishaPH_9 (K1), AlleyCat_7 (K5), Amelie_5 (K1), Amgine_7 (K6), Aminay_7 (K7), Amohntion_8 (K6), Anaya_10 (K1), Angelica_9 (K1), Apocalypse_9 (K1), Applecrisp_7 (K6), Asayake_9 (K1), Atiba_9 (K1), BEEST_9 (K1), BGlluviae_9 (K1), BaghaKamala_9 (K1), BarrelRoll_9 (K1), Beezoo_9 (K1), Bella96_9 (K1), Belladonna_9 (K1), Binglebops_5 (K1), Blizzard_9 (K1), Bobquesha_10 (K4), BoostSeason_5 (K2), Bryler_8 (K6), CREW_9 (K1), Cain_8 (K6), CallaLilly_9 (K1), Capricorn_9 (K1), CaseJules_9 (K1), Chancellor_10 (K4), Chavito_9 (K1), CheetoDust_9 (K1), Cheetobro_10 (K4), Chris_8 (K1), Clipper_10 (K1), Collard_7 (K5), CrimD_9 (K1), Dadosky_7 (K5), Dalmuri_9 (K1), DarthP_8 (K6), Dartin_9 (K1), Deby_9 (K1), DismalFunk_5 (K2), DismalStressor_5 (K2), Dole_9 (K1), Doughnut_5 (K2), DrHayes_9 (K1), Edugator_6 (K5), Efra2_9 (K1), Ekdilam_6 (K6), Ellie_6 (K6), Emerson_9 (K1), Fefferhead_8 (K6), Feyre_7 (K5), Findley_5 (K2), Fionnbharth_10 (K4), Ganymede_9 (K1), Gengar_7 (K5), Geraldini_9 (K1), Guanica15_9 (K1), Guillsminger_7 (K5), Hammy_8 (K6), HedwigODU_9 (K1), Heftyboy_7 (K5), Homura_9 (K1), Hurricane_8 (K3), Hyperbowlee_9 (K1), Inky_9 (K1), InvictusManeo_7 (K5), JAWS_9 (K1), Jarvi_9 (K1), Jayhawk_9 (K1), Joy99_9 (K1), Juliette_10 (K4), Keshu_8 (K3), KiSi_8 (K1), Kratio_6 (K5), Kraw_10 (K4), Krueger_8 (K6), Larva_7 (K5), LastHope_9 (K1), LaterM_9 (K1), LeMond_8 (K1), Lea83_9 (K3), Lebo14_10 (K4), Leston_7 (K5), LilPharaoh_5 (K1), Llorens_9 (K1), Lunahalos_9 (K1), MacKat_9 (K1), MacnCheese_9 (K3), Malthus_10 (K4), Marcoliusprime_5 (K2), MarkPhew_8 (K1), Marshawn_10 (K6), McMater_9 (K1), Mdavu_5 (K1), MeaningOfLife_9 (K1), Megsy_9 (K1), Milly_5 (K2), Miryou_7 (K5), MissDaisy_10 (K4), Mitti_10 (K4), Mufasa_5 (K2), Murucutumbu_9 (K1), Neighly_7 (K3), Nibb_8 (K1), Nikao_5 (K1), Niklas_9 (K1), November_7 (K6), Nutello_5 (K1),

OkiRoe_7 (K5), Omnicron_7 (K5), Oscar_8 (K1), Padfoot_9 (K1), Paola_7 (K5), Patt_10 (K4), Peanam_9 (K1), Peel_9 (K1), Pharb_8 (K3), PhelpsODU_8 (K6), Phrank_8 (K6), Piatt_9 (K1), Pixie_8 (K3), Prithvi_9 (K1), Psycho_7 (K5), Ramen_9 (K1), Rando14_7 (K5), Rapunzel97_9 (K1), Richo_9 (K1), Ruthiejr_9 (K4), SamScheppers_8 (K4), SamuelLPlaqson_9 (K1), Scarlett_8 (K1), SgtBeansprout_5 (K1), Shadow1_7 (K6), Shaobing_9 (K1), ShedlockHolmes_8 (K3), Slarp_10 (K4), Slimphazie_9 (K1), SoSeph_7 (K5), Spock_9 (K1), Stinson_9 (K1), Strobilo_5 (K2), Sulley_9 (K1), Sunflower1121_7 (K6), Syra333_8 (K6), TBond007_8 (K3), TM4_5 (K2), Tachez_9 (K1), TaiwanKao_9 (K1), Taquito_8 (K4), Teejan_5 (K1), Thyatira_7 (K5), Tierra_8 (K6), TingHuaYa_9 (K1), Tiri_9 (K1), Torres_5 (K1), TreyKay_9 (K1), Twitch_9 (K1), Unicorn_8 (K6), Urkel_9 (K1), Veliki_9 (K1), ViviJ_6 (K5), Waterfoul_7 (K5), Wintermute_10 (K4), Ximenita_9 (K6), Y10_10 (K4), Y2_10 (K4), YoureAdopted_8 (K1), Yuna_9 (K6), Yunkel11_9 (K1), Zabiza_9 (K1), Zavala_9 (K1), ZoeJ_5 (K2),

Start 51:

- Found in 3 of 1923 (0.2%) of genes in pham
- Manual Annotations of this start: 3 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boilgate_6 (K8), MOOREtheMARYer_3 (G3), Pinnie_4 (G3),

Start 53:

- Found in 8 of 1923 (0.4%) of genes in pham
- Manual Annotations of this start: 7 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bernal13_4 (T), Ibrahim_4 (T), Mendokysei_3 (T), Nairb_4 (T), Nette_4 (T), RonRayGun_4 (T), Whitty_4 (T), ZenTime222_4 (T),

Start 55:

- Found in 39 of 1923 (2.0%) of genes in pham
- Manual Annotations of this start: 21 of 1663
- Called 61.5% of time when present
- Phage (with cluster) where this start called: Auspice_15 (M1), Aziz_19 (M2), Bongo_15 (M1), Bricole_15 (M1), Diminimus_16 (M1), Dulcita_16 (M1), Estes_20 (M2), FreakyGoo_15 (M1), GardenSalsa_19 (M2), GenevaB15_19 (M2), Glaske16_16 (M1), IPhane7_15 (M1), Izel_14 (M1), KleverKiS_15 (M1), Kumao_14 (singleton), LilhomieP_14 (M1), MrMagoo_19 (M2), Nanosmite_19 (M3), PegLeg_15 (M1), Reindeer_13 (M1), Rey_19 (M2), Skinny_16 (M1), SlimJimmy_14 (M1), TyDawg_15 (M1),

Start 56:

- Found in 1 of 1923 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antsirabe_3 (G5),

Start 59:

- Found in 78 of 1923 (4.1%) of genes in pham
- Manual Annotations of this start: 72 of 1663
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Angel_3 (G1), Annihilator_3 (G1), Aroostook_3 (G1), Avocado_3 (G2), Avrafan_3 (G1), AzulaCat_3 (G1), BPs_3 (G1), BQuat_3 (G1), Barkley26_3 (G1), BruceB_3 (G1), CLED96_3 (G1), Cambiare_4 (G2), Camri_3 (G1), CassieYates_3 (G1), Cedasite_3 (G1), Chance64_3 (G1), Cherrybomb426_3 (G1), Coleslaw_3 (G1), Crespo_3 (G1), DMoney_3 (G1), DNAll_003 (G1), Darionha_3 (G1), ECartman_3 (G1), FlagStaff_3 (G2), Frosty24_3 (G1), Gideon_3 (G1), GoldenAsh_3 (G1), Gomashi_3 (G1), Grizzly_3 (G1), Halo_3 (G1), Hope_3 (G1), Hotshotbaby7_3 (G1), Jane_3 (G1), Jolene_3 (G1), Jolie2_3 (G4), Jonghyun_3 (G1), JorRay_3 (G1), Kareem_3 (G1), Kasen3_3 (G1), Kudrefre_13 (DU1), Lemuria_3 (G4), Liefie_3 (G1), LouisV14_3 (G1), Maliketh_3 (G1), Marmie_3 (G1), Mercurio_4 (G4), Mowgli_3 (G1), Neville_13 (DU2), OctaviousRex_3 (G1), Octobien14_14 (DU1), Olga_3 (G1), Pace1224_3 (G2), Paito_3 (G1), Peeb_3 (G1), Periodt_3 (G1), Phish_3 (G1), Phreak_3 (G1), PinkYoshi_3 (G1), Plagueis_3 (G1), Rabbitrun_15 (DU2), Rabbs_3 (G1), Remy19_3 (G1), Renaissance_3 (G1), Schiebel_3 (G1), Sephiroth_14 (DU1), ShaboiShabazz_3 (G1), Sizemore_3 (G1), Sneeze_3 (G1), Sweets_3 (G1), Syleon_14 (DU1), Taheera_3 (G1), Terror_3 (G1), TinaBug_3 (G1), TomBrady_3 (G1), Trax_13 (DU2), Wendigo_3 (G1), ZoMa_3 (G1), Zombie_3 (G1),

Start 61:

- Found in 4 of 1923 (0.2%) of genes in pham
- Manual Annotations of this start: 4 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: B22_4 (BW), Doucette_4 (BW), E6_4 (BW), G4_4 (BW),

Start 62:

- Found in 32 of 1923 (1.7%) of genes in pham
- Manual Annotations of this start: 13 of 1663
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Apricot_3 (DN3), BearBQ_3 (DN), Birdsong_3 (DN), Crater_3 (DN3), Gaia_3 (X), Kuwabara_3 (DN4), LilSpotty_3 (singleton), LunaStella_3 (F4), MortyNRick_3 (DN), Nebkiss_3 (X), Renaud18_3 (F4), Spartoi_3 (singleton), TChen_3 (F4), TPA4_3 (singleton), ThetaBob_3 (F4), Toron_3 (F6),

Start 65:

- Found in 4 of 1923 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_4 (AY), MrSmee_3 (FQ), Raqqa_4 (AY), Skitty_4 (FQ),

Start 67:

- Found in 1 of 1923 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JacoRen57_3 (AB),

Start 68:

- Found in 5 of 1923 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1663
- Called 20.0% of time when present

- Phage (with cluster) where this start called: Ibantik_69 (singleton),

Start 69:

- Found in 1 of 1923 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NoShow_3 (AB),

Start 72:

- Found in 1 of 1923 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Samy_6 (singleton),

Start 73:

- Found in 35 of 1923 (1.8%) of genes in pham
- Manual Annotations of this start: 29 of 1663
- Called 97.1% of time when present
- Phage (with cluster) where this start called: Asapag_4 (DN1), Avani_4 (F2), BENTherdunthat_4 (DN1), Blarby_5 (F), BotCity_4 (DN), Budski_4 (DN), Che9d_4 (F2), CheeseTouch_4 (DN1), Demsculpinboyz_4 (F2), Ecliptus_4 (DN), Frickyeah_4 (DN1), Getalong_4 (DN1), Holliday_4 (DN1), Horus_4 (DN1), Jabbawokkie_5 (F2), Kamaru_4 (DN1), Kenna_4 (DN1), Leroy_4 (DN1), LitninMcQueen_4 (DN1), Lutum_4 (DN1), Malisha_4 (DN), ODay_4 (DN), Ogopogo_5 (F1), Periwinkle_4 (DN1), Phabuloso_4 (DN1), Phistory_4 (DN1), ShawBrad_4 (DN1), SilverChicken_4 (F2), Soul22_4 (F2), Spooky_4 (DN2), Squiddly_5 (DN2), Whitney_4 (DN1), Yoshi_4 (F2), Zapner_5 (F2),

Start 74:

- Found in 591 of 1923 (30.7%) of genes in pham
- Manual Annotations of this start: 530 of 1663
- Called 99.2% of time when present
- Phage (with cluster) where this start called: 20ES_13 (A2), 40AC_16 (A17), ACFishhook_14 (A3), AN3_13 (A2), AN9_16 (A2), AN18_16 (A2), AbbyPaige_15 (A2), AbbysRanger_12 (A4), Abdiel_12 (A4), Achebe_12 (A4), Acolyte_13 (A2), Adzzy_14 (A2), Aegeus_5 (L5), Agape74_15 (A2), Aglet_14 (A3), AgronaGT15_14 (A3), Alatin_9 (CA), Albee_12 (A4), Alberto7_13 (A4), Aliter_14 (A9), Alma_14 (A9), Alpacados_8 (CA), Anaysia_15 (A15), Aneem_13 (A11), AngryOrchard_8 (CA), AnnaL29_16 (A2), Annyong_12 (A4), Anon_13 (A15), Anselm_13 (A2), Anthony_12 (A20), Anubis_16 (A3), AppleCloud_7 (CA), ArcherNM_15 (A2), Arissanae_12 (A9), Artemis2UCLA_16 (A6), Arturo_11 (A4), AugsMagnumOpus_16 (A3), AvatarAhPeg_12 (A4), Avle17_12 (A4), BABullseye_16 (A6), Baby16_12 (A4), BabyBack_15 (A2), BabyRay_12 (A3), Bachome_13 (A11), Backyardigan_12 (A4), Bactobuster_14 (A2), Badger_12 (A4), Baehexic_14 (A2), BangNhom_11 (A4), Bartimeaus_12 (A4), Battleship_16 (A15), Baudelaire_5 (L5), Beauxregard13_14 (A3), Beemo_14 (A9), Belenaria_9 (CA), BellusTerra_12 (A4), BengiVuitton_14 (A2), Benvolio_13 (A2), BiancaTri92_15 (A2), Bigflo_14 (A3), Blackmoor_12 (A4), BlessJoy_16 (A6), Blinn1_16 (A6), Blue7_16 (A6), BobSwaget_16 (A2), BobbyDazzler_9 (CA), BogosyJay_14 (A9), Bombshell_12 (A4), Bonanza_9 (CA), Boohoo_15 (A15), Bowtie_13 (A11), Bradman_12 (A2), Bradshaw_9 (CA), BreSam8_14 (A3), Broseidon_12 (A4), Bruiser_12 (A4), Bryce_9 (CA), BubbleTrouble_12 (A4), Bud_13 (A11), Buggy_15 (A2), Bumblebee11_12 (A4), Burger_11 (A4), BuzzBuzz_13 (A3), Bx2_14 (A3), C3_11 (A2), CRB1_13 (A2),

Caelakin_12 (A4), Calvinny_15 (A3), Camperdownii_11 (A4), Candra_16 (A6), Caraxes_12 (A2), Catalina_14 (A9), Caviar_13 (A3), Centaur_15 (A2), CentreCat_12 (A4), Cerulean_12 (A4), ChampagnePapi_12 (A4), Changeling_16 (A2), Chaph_12 (A4), Chargerpower_13 (A), Charm_13 (A9), Che12_14 (A2), ChipMunk_15 (A2), Chupacabra_12 (A10), Cici_12 (A4), Cindaradix_11 (A4), Cintron_12 (A4), Citius_12 (A4), Clarenza_12 (A4), CloudWang3_16 (A6), Cocoaberry_12 (A4), Colbster_14 (A3), Colin_17 (A2), Commander_12 (A4), Connomayer_12 (A4), Conquerage_14 (A9), Cookiedough_16 (A6), CosmicSans_9 (CA), Crucio_13 (A2), Cullens_14 (A3), D29_14 (A2), D32_16 (A2), DBQu4n_16 (A2), DaHudson_14 (A3), DaVinci_16 (A6), Daishi_13 (A3), Dalmatian_13 (A2), Darrell_15 (A9), DarthPhader_14 (A12), Datway_12 (A4), Deano_12 (A4), DekHockey33_15 (A15), Deloris_14 (A2), Dhanush_12 (A4), Dieselweasel_14 (A3), Dignity_15 (A2), Dinger_9 (CA), DirtyDunning_12 (A4), DontArgue_11 (A10), Dorothea_16 (A6), Drake55_15 (A2), Drake94_11 (A10), DreamTeam1_13 (A9), DroogsArmy_13 (A7), Druantia_12 (A4), DudeLittle_13 (A2), Duplo_16 (A2), DustyMartin_15 (A10), EZMoney23_17 (A2), EagleEye_15 (A16), Eagle_11 (A4), Eaglepride_13 (A10), Eapen_12 (A4), Ebony_13 (A11), Echild_13 (A2), Edison31_12 (A10), EdogawaKiddo_12 (A9), Eidsmoe_14 (A9), Elephantoon_14 (A9), EmyBug_14 (A9), EpicPhail_14 (A3), Epsocamisio_15 (A15), Equemioh13_15 (A2), EricB_16 (A6), Erik_9 (CA), Eris_12 (A4), Eros_12 (A4), Espica_9 (CA), Et2Brutus_12 (A11), Eurydice_12 (A4), EvilGenius_15 (A2), ExplosioNervosa_14 (A9), Fameo_13 (A2), Farber_14 (A3), Fayely_14 (A9), Fernando_14 (A3), Fibonacci_13 (A11), FiringLine_13 (A2), First_0013 (A2), Flare16_13 (A2), Flaverint_13 (A11), Florean_12 (A4), Flux_12 (A4), FlyCatcher_16 (A7), Funston_12 (A4), Gadost_12 (A4), Gail_12 (A14), Garak_17 (A6), GaugeLDP_15 (A2), Gemma_14 (A3), Georgie2_14 (A2), Gilberta_13 (A11), GingkoMaracino_14 (A3), Gladiator_16 (A6), Gollum_9 (CA), Goose_12 (A10), Gratitude_14 (A2), GreedyLawyer_16 (A6), Grif_14 (A3), Groupthink_15 (A3), Grub_14 (A3), Grum1_14 (A3), Gruunaga_16 (A6), GtownJaz_14 (A3), HINdeR_12 (A7), HamSlice_11 (A4), Hammer_16 (A6), Hanray_13 (A9), Happiness_12 (A4), Harlequin_9 (CA), HarryHoudini_15 (A2), HashRod_15 (A3), HaveUMetTed_15 (A3), Heffalump_15 (A2), Heliosoles_14 (A3), Helmet_17 (A6), Herbertwm_11 (A2), Hercules11_14 (A3), Hexamo_16 (A6), Hiro_9 (CA), Horex_13 (A9), Holli_12 (A4), Hookmount_13 (A3), Hoot_16 (A6), HortumSL17_14 (A9), Houdini22_12 (A4), Hutc2_13 (A11), Huxley_12 (A4), ICleared_12 (A4), Iceman_12 (A4), Indra_16 (A6), Insomnia_13 (A11), Iracema64_12 (A4), IronMan_15 (A2), Isiphiwo_16 (A6), Iwokeuplikedis_13 (A2), JHC117_14 (A3), JSwag_15 (A15), Jaan_16 (A2), Jabith_13 (A11), Jaykayelowell_12 (A4), Jeeves_12 (A14), Jeffabunny_16 (A6), JenCasNa_14 (A3), JeppNRM_15 (A3), Jerm_15 (A2), Jester_9 (CA), JetBlade_12 (A4), JewelBug_16 (A6), Jiawan_13 (A9), Jobu08_14 (A3), JoongJeon_12 (A4), Jordennis_16 (A6), Joselito_13 (A11), JoshKayV_15 (A2), Journey13_11 (A2), Jsquared_12 (A2), KADY_15 (A3), KFPoly_12 (A4), Kalb97_15 (A3), Kalnoky_15 (A3), Kalpine_16 (A2), Kampy_12 (A4), Katalie136_12 (A4), KatherineG_15 (A15), Kazan_16 (A6), Kerberos_16 (A2), Keziacharles14_12 (A9), Kimona_9 (A19), KingCyrus_15 (A2), Kingmustik0402_12 (A4), Kinmap_12 (A21), Kipper29_16 (A6), KittenMittens_11 (A10), Koan_11 (A4), Koduck_13 (A2), Koko_16 (A6), Koreni_11 (A4), Kratak_12 (A4), Kremtemulon_12 (A4), Krishelle_9 (CA), Kristoff_13 (A10), Kyee_12 (A4), L5_14 (A2), LBerry_14 (A3), LHTSCC_12 (A4), LadyBird_13 (A2), Lambert1_13 (A3), Landor_14 (A2), LappelDuVide_12 (A4), Larenn_14 (A2), LarryKay_14 (A3), LastResort_15 (A15), Lemur_12 (A4), LeoAvram_12 (A4), Leogania_15 (A2), Leviathan_15 (A2), LilTurb_15 (A2), Lilbunny_16 (A6), Lilith_14 (A3), Lilleskat_12 (A9), Lillie_9 (CA), LionsBait_14 (A2), LittleB_12 (A4), LittleGuy_12 (A4), LochMonster_12 (A4), Lokk_16 (A2), LoneWolf_14 (A9), Looper_16 (A15), Lorenzo_12 (A4), Loser_16 (A2), Louie6_14 (A3), Lowa_14 (A3), Luchador_13 (A14),

Lucivia_13 (A11), Lucyedi_14 (A16), LugYA_16 (A3), Lunsford_13 (A4), MaCh_13 (A11), Mabel_13 (A11), MadMarie_14 (A3), Mainiac_14 (A3), MajorMajor_12 (A2), Malec_14 (A2), Malinsilva_16 (A3), Maminiaina_14 (A9), Manu_15 (A3), MarQuardt_14 (A3), Margo_13 (A3), Marie_14 (A3), Marius_15 (A3), Maverick_12 (A4), Maxo_12 (A4), Mayonnaise_12 (A4), Mazhar510_12 (A4), McFly_16 (A6), Medusa_12 (A4), MeeZee_12 (A4), Melvin_12 (A4), Methuselah_14 (A3), Microwolf_14 (A3), MiculUcigas_13 (A2), Miko_16 (A2), Millski_12 (A4), MinecraftSteve_16 (A15), Miramae_12 (A4), Misomonster_16 (A3), MissWhite_13 (A2), MoneyMay_14 (A3), Morpher26_12 (A4), Morrow_12 (A4), MuchMore_16 (A3), Mulciber_13 (A11), Munch_13 (A11), Mundrea_12 (A4), Myxus_14 (A9), NaSiaTalie_13 (A2), Naiad_9 (CA), Naji_16 (A2), Nancinator_9 (CA), Natosaleda_9 (CA), Nebs_12 (A4), Nebulosus_15 (A15), Nedarya_14 (A15), Neeharika16_16 (A6), Nemo27_12 (A4), Newrala_16 (A6), NicoleTera_17 (A2), Noella_13 (A3), Noelle_12 (A4), Norbert_12 (A3), NorthStar_12 (A4), NotAPhaseMom_12 (A4), NothingSpecial_15 (A2), Nyxis_12 (A4), OKCentral2016_12 (A10), OKaNui_12 (A4), Obama12_12 (A4), Odin_12 (A2), Ohfah_12 (A4), OlanP_14 (A3), Ollie_14 (A3), Onglai_13 (A9), Oofda_16 (A15), Orange_13 (A11), P28Green_14 (A3), PGHhamlin_16 (A3), PP_22 (A7), PackMan_14 (A9), PainterBoy_14 (A16), Palestino_12 (A4), Panamaxus_13 (A3), Partridge_9 (CA), Pawn_14 (A3), PeaceMeal1_11 (A10), Peaches_12 (A4), Pembroke_14 (A3), Penny1_14 (A3), Perplexer_12 (A4), PeterPeter_12 (A4), Petersenfast_12 (A11), PetiteSangsue_12 (A4), Ph8s_14 (A2), Phacado_12 (A4), Phaded_16 (A2), Phaeder_14 (A9), PhailMary_8 (CA), Pharaoh_13 (A12), Phelipe_12 (A4), Phighter1804_12 (A4), PhishRPhriends_13 (A3), Phlei_9 (A13), Phoebe_14 (A3), Phonnegut_14 (A9), Phontbonne_12 (A4), Phoxy_14 (A3), Phrankenstien_9 (CA), Phranny_15 (A3), Pioneer_14 (A9), Pipcraft_12 (A4), Piro94_14 (A2), Pmask_16 (A6), Pocahontas_13 (A3), Polymorphads_12 (A4), Pomar16_16 (A2), Poompha_11 (A10), Popcicle_13 (A3), PotatoSplit_15 (A3), Power_13 (A2), Priamo_16 (A6), Priya_14 (A9), Pukovnik_15 (A2), Pumbaa_12 (A4), PurpleHaze_14 (A3), Qobbit_14 (A9), QueenB2_13 (A2), QueenBeesly_13 (A2), QuinnKiro_12 (A3), Quokka_11 (A2), RER2_2 (CA), RGL3_2 (CA), Rachaly_16 (A2), Rahalelujah_12 (A9), Rasputin_9 (CA), ReMo_15 (A15), Reba_15 (A3), Rebeuca_13 (A10), RedRock_16 (A2), Refuge_16 (A12), Relief_12 (A4), Remus_15 (A15), ResDef_13 (A3), Retro23_13 (A2), RexFury_9 (CA), Rhodalysa_9 (CA), RhynO_13 (A10), Rifter_16 (A6), Roksolana_16 (A6), Romney_12 (A4), Roosevelt_12 (A4), Rosa24_11 (A4), Rosalind_15 (A15), Rowdy_15 (A10), Ruin_12 (A4), Rummer_14 (A3), RyeScarlet_15 (A9), Sabertooth_12 (A4), Sabia_14 (A3), Sachima_12 (A9), Salz_13 (A11), Scamp_12 (A4), Scherzo_14 (A9), SemperFi_15 (A2), SenorClean_11 (A4), Serenity_12 (A2), Severus_11 (A10), Shaka_12 (A4), Sham4_13 (A11), Shapes_15 (A10), ShayRa_16 (A15), SheaKeira_13 (A9), Sheen_14 (A7), SheldonCooper_12 (A4), Shuman_9 (CA), Shygu2_12 (A4), Skipitt_12 (A4), Sknot_14 (A2), Smeagan_15 (A2), SmellyB_16 (A6), SnapTap_13 (A2), Snape_13 (A11), Snickers_14 (A3), SoYo_14 (A3), SoilDragon_14 (A3), SororFago_12 (A14), Soshari_16 (A3), Soups_15 (A15), Sparxx_12 (A4), Spike509_14 (A3), Spino_12 (A4), Spouty_14 (A9), StCroix_9 (CA), Stagni_14 (A3), StarStuff_16 (A2), Stasia_13 (A4), Steamy_14 (A12), Stink_12 (A4), Strosahl_15 (A15), Sunhee_11 (A14), SuperAwesome_16 (A6), SuperCallie99_16 (A6), Superchunk_12 (A2), Swann_9 (CA), SweetiePie_13 (A2), SwirlSquare_15 (A2), Switzerland_15 (A15), TWAMP_9 (CA), Takoda_9 (CA), Taquarus_12 (A4), TarsusIV_13 (A2), Taurus_14 (A3), Temprado_17 (A6), Terrific_17 (A2), Texage_12 (A3), Thanksgivukkah_12 (A4), Tiffany_14 (A3), Timothy_13 (A11), Timshel_13 (A7), TinaFeyge_12 (A4), TinyPebbles_14 (A3), TinyTimmy_13 (A11), Tinybot_11 (A4), TopsytheTRex_12 (A2), TiroTheta9_12 (A4), Toaka_12 (A9), Todacoro_13 (A3), Tomathan_16 (A2), ToneTone_15 (A6),

Topanga_12 (A10), Toro_15 (A7), Travvers_16 (A2), Trike_10 (A10), Tristan_14 (A2), Trixie_16 (A2), Trooper_13 (A2), TroyPia_12 (A4), Tubs_14 (A9), Tucker_16 (A6), Turbido_15 (A2), Twister_12 (A10), TygerBlood_12 (A4), Ugenie5_11 (A9), UhSalsa_9 (CA), Ulysses_11 (A4), Updawg_15 (A2), VA6_13 (A2), VC3_16 (A2), Vanisoa_12 (A9), Veracruz_12 (A3), Vix_14 (A3), VohminGhazi_16 (A6), Waits_15 (A15), WalterMcMickey_12 (A10), Wander_12 (A4), Warrior24_16 (A15), Watson_14 (A3), WeiHuaDA_19 (A2), Whabigail7_15 (A2), WideWale_15 (A2), Wiks_16 (A6), Wilbur_12 (A4), Wile_12 (A4), Wizard007_12 (A4), Wooldri_16 (A3), WunderPhul_16 (A6), Xena_12 (A4), XianYue_13 (A2), Yecey3_13 (A9), YoSam321_12 (A4), Yogi_9 (CA), Yokurt_16 (A6), Yoncess_9 (CA), Zaka_16 (A6), Zetzy_13 (A3), Zimmer_15 (A12), Zulu_16 (A6),

Start 75:

- Found in 82 of 1923 (4.3%) of genes in pham
- Manual Annotations of this start: 72 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AgentM_10 (A5), Airmid_10 (A5), Aragog_10 (A5), Archetta_10 (A5), Astro_10 (A8), B1_10 (A3), BabyJohn_11 (A3), Benedict_10 (A5), BillKnuckles_13 (A1), BlueBird_13 (A3), Bluefalcon_9 (A5), Bonamassa_10 (A5), Bugatti_12 (A3), Bxb1_11 (A1), Chadwick_11 (A5), Chiqui_11 (A3), Conspiracy_10 (A5), Coog_10 (A5), Cuco_10 (A5), Danforth_9 (A8), Discoknowium_10 (A5), Dixon_10 (A8), DropBear_12 (A3), Dublin_9 (A5), EITiger69_10 (A5), Expelliarmus_9 (A8), ForGetIt_10 (A5), Fred313_12 (A3), George_9 (A5), Ghoulyboy_10 (A5), Giroux_12 (A3), Groundhog_9 (A8), Heathen_12 (A3), HeiDan_12 (A3), HuhtaEnerson15_10 (A5), Idleandcovert_12 (A3), Isca_12 (A3), JF2_12 (A3), JF4_12 (A3), Jabiru_10 (A5), Jovo_10 (A5), Kachowdy_12 (A3), Kugel_13 (A1), Kykar_10 (A1), Lev2_10 (A5), LittleCherry_10 (A5), MA5_12 (A3), MK4_12 (A3), Marchesa_12 (A3), MarysWell_9 (A5), Micasa_10 (A5), Midas2_10 (A5), Milcery_10 (A5), MyraDee_10 (A18), Naca_10 (A5), NearlyHeadless_10 (A8), PetterN_11 (A5), Phantastic_12 (A3), Phillis_10 (A8), Phlorence_10 (A5), PickleBack_10 (A5), Pistachio_13 (A3), Prinash11_11 (A5), Puppy_13 (A3), Roary_10 (A8), Rockstar_12 (A3), Saintus_10 (A8), SaturnRing_12 (A3), Scorpio_11 (A5), Scout_12 (A3), Smeadley_10 (A8), StepHig9_10 (A8), Swirley_10 (A5), SydNat_10 (A5), TNguyen7_12 (A3), Target_14 (A1), Tarynearal_9 (A5), Theia_9 (A5), Tiger_10 (A5), Twigg_10 (A5), UnionJack_10 (A5), Zolita_9 (A5),

Start 76:

- Found in 2 of 1923 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_3 (singleton), P3MA_4 (singleton),

Start 77:

- Found in 23 of 1923 (1.2%) of genes in pham
- Manual Annotations of this start: 21 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Angelique_3 (CY1), AnnabelLee_5 (FR), BaileyBlu_3 (FP), BeeGee_3 (CY), Bradissa_3 (CY1), BritBrat_3 (CY2), CallinAllBarbz_3 (FP), Cashline_3 (CY), Confidence_3 (CY1), EMsquaredA_3 (CY1), EnalisNailo_3 (CY1), Floral_3 (CY1), Jablanski_3 (CY), Jankie_3 (FP), Lilas_3 (CY1), LonelyBoi_3 (CY), Marteena_3 (CY1), Nergal_6 (AG), Pitbull_3 (FQ), Pollux_3 (CY1), Posh_3 (CY), Pytheas_3 (CY), Wrigley_3 (CY),

Start 78:

- Found in 3 of 1923 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1663
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Ponzi_44 (singleton),

Start 80:

- Found in 19 of 1923 (1.0%) of genes in pham
- Manual Annotations of this start: 8 of 1663
- Called 68.4% of time when present
- Phage (with cluster) where this start called: 8UZL_6 (AB), Audell_8 (FR), Bauer_5 (FN), BlackSpider_3 (FN), FF47_06 (AB), Lucky10_3 (DH), Maco6_4 (AB), MalagasyRose_8 (AG), Morkie_3 (DH), Muddy_6 (AB), PhorbesPhlower_3 (DH), TMaxx_5 (FR), Zucker_4 (FN),

Start 84:

- Found in 89 of 1923 (4.6%) of genes in pham
- Manual Annotations of this start: 64 of 1663
- Called 92.1% of time when present
- Phage (with cluster) where this start called: Acquire49_5 (L1), Appletree2_5 (L1), Archie_5 (L2), AvadaKedavra_5 (L1), Baoshan_4 (L2), Bazzle_5 (L2), Bellis_6 (L3), BigCheese_5 (L2), BobsGarage_5 (L2), BourbonZero_5 (L3), Breezona_5 (L2), Calm_5 (L1), CicholasNage_5 (L1), Claus_5 (L2), Clautastrophe_6 (L3), Crossroads_5 (L2), DHan_5 (L2), DanBing_4 (L2), DirkDirk_5 (L1), DrSeegs_5 (L2), DuncansLeg_6 (L3), Ellson_6 (L3), Enceladus_5 (L1), Faith1_5 (L2), Finemlucis_5 (L2), Finnry_6 (L3), Gabriela_5 (L2), Gardann_5 (L2), GuuelaD_5 (L2), Hafay_5 (L2), Halena_5 (L1), Itos_5 (L2), Jobypre_6 (L3), JoeDirt_5 (L1), Jubie_6 (L3), Kahlid_5 (L2), Kingsolomon_6 (L3), KirDoubleO7_4 (L3), Krypton555_6 (L3), LeBron_5 (L1), Lewan_5 (L2), LilDestine_5 (L2), LiyuLake_6 (L3), Loadrie_5 (L2), Lolly9_6 (L3), Lumos_6 (L3), MAckerman_5 (L1), Miley16_5 (L2), MiniLon_6 (L3), MiniMac_6 (L3), MkaliMitinis3_5 (L2), Moostard_6 (L3), MsGreen_6 (L3), Netyap_5 (L2), Nicholas_6 (L3), Nicholasp3_5 (L2), OhShagHennessy_5 (L1), Poochiewood_5 (L1), Red305_6 (L3), Rose5_5 (L1), Rumpelstiltskin_5 (L2), Samty_6 (L3), Sarshaun_5 (L2), Silverleaf_5 (L1), Snenia_6 (L3), SoJulia_5 (L2), Soap141_5 (L2), Tourach_5 (L2), TriFive_6 (L3), Tyson_5 (L1), UPIE_5 (L1), Underpass_5 (L2), Vetrix_5 (L2), Wamburgrxpress_5 (L1), Whirlwind_7 (L3), Wigglewiggle_5 (L2), Wilder_5 (L2), Winky_5 (L2), Wyatt2_5 (L1), Zakai_5 (L2), Zaria_5 (L1), ZhongYanYuan_4 (L2),

Start 86:

- Found in 6 of 1923 (0.3%) of genes in pham
- Manual Annotations of this start: 5 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arianna_4 (EO), Colleen_4 (EO), GMA4_3 (singleton), Juicebox_4 (singleton), Poushou_4 (EO), TouchMeNot_4 (EO),

Start 87:

- Found in 18 of 1923 (0.9%) of genes in pham
- Manual Annotations of this start: 9 of 1663
- Called 94.4% of time when present
- Phage (with cluster) where this start called: ArV2_03 (singleton), Azrael100_26 (V), BrainDrainer_5 (L4), Bromden_5 (L4), Chaser_5 (L4), Cosmo_27 (V), Douge_5 (L4), Douzhi_5 (L4), DyoEdafos_6 (L4), EniyanLRS_24 (V), FarmResident_5 (L4),

Kropertea_5 (L4), MaryV_27 (V), PYPDinur_5 (L4), Quby_5 (L4), Sheng711_5 (L4), Wildcat_27 (V),

Start 91:

- Found in 5 of 1923 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1663
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Bimmel_47 (BT), Spooks_49 (BT), Success_51 (BT),

Start 96:

- Found in 62 of 1923 (3.2%) of genes in pham
- Manual Annotations of this start: 3 of 1663
- Called 4.8% of time when present
- Phage (with cluster) where this start called: Auxilium_4 (AY), Kromp_3 (singleton), RadFad_4 (AY),

Start 97:

- Found in 62 of 1923 (3.2%) of genes in pham
- No Manual Annotations of this start.
- Called 3.2% of time when present
- Phage (with cluster) where this start called: Chartreuse_16 (A6), Polyphemus_15 (A6),

Start 98:

- Found in 1 of 1923 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hum25_3 (FQ),

Start 99:

- Found in 61 of 1923 (3.2%) of genes in pham
- Manual Annotations of this start: 4 of 1663
- Called 6.6% of time when present
- Phage (with cluster) where this start called: Caliburn_7 (BD1), Lorelei_7 (BD1), Maneekul_7 (BD1), Oliynyk_8 (BD1),

Start 100:

- Found in 38 of 1923 (2.0%) of genes in pham
- Manual Annotations of this start: 21 of 1663
- Called 78.9% of time when present
- Phage (with cluster) where this start called: Bridgette_3 (FA), Cappuccino_3 (AZ5), ChuckDuck_3 (FA), Constance_3 (FA), Donkey_3 (AZ5), Eileen_3 (FA), Emotion_3 (AZ4), Exile_3 (AZ), FosterFrank_3 (FA), Gambol_3 (AZ5), GlobiWarming_3 (FA), HotPotato_3 (FA), JasmineDragon_3 (AZ4), Judy_3 (FA), Kalimba_3 (AZ5), Karkharias_3 (FA), KayMoney_3 (FA), LadyAstra_3 (AZ4), Liebe_3 (AZ2), MaGuCo_3 (AZ2), Maureen_3 (AZ2), MiniMommy_3 (AZ4), Peas_3 (FA), PeggyLeg03_3 (FA), Pucara_3 (FA), Sabourin_3 (AZ5), ShakeltOph_3 (AZ4), Soondubu_3 (AZ), Sooty_3 (AZ5), VroomVroom_3 (AZ4),

Start 101:

- Found in 18 of 1923 (0.9%) of genes in pham
- Manual Annotations of this start: 12 of 1663

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ashes_3 (AZ5), Attoomi_4 (singleton), Beaupre_3 (AZ5), Cassia_3 (AZ1), Giorgio_3 (AZ5), Gumpizza_3 (AZ5), Halsey_3 (AZ5), IttyBittyPiggy_3 (AZ1), JuneStar_3 (AZ1), Moss_3 (AZ5), Mysterium_3 (AZ5), Pumpkins_3 (AZ1), RockScotty_3 (AZ5), Shaffner_3 (AZ1), SpecialK_3 (AZ5), Stuu_3 (AZ5), TforTroy_3 (AZ1), Yang_3 (AZ1),

Start 102:

- Found in 8 of 1923 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 1663
- Called 62.5% of time when present
- Phage (with cluster) where this start called: AinMach_3 (AZ), Reedo_3 (AZ1), Snek_4 (AZ3), Tweety19_4 (AZ3), Wildwest_4 (AZ1),

Start 103:

- Found in 2 of 1923 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Farewell_3 (AF), Sparky_3 (AF),

Start 104:

- Found in 58 of 1923 (3.0%) of genes in pham
- Manual Annotations of this start: 48 of 1663
- Called 96.6% of time when present
- Phage (with cluster) where this start called: AEgle_3 (AZ1), AGrandiflora_3 (AZ1), Adolin_3 (AZ1), Adumb2043_3 (AZ1), Amyev_3 (AZ1), Asa16_3 (AZ1), Ascela_3 (AZ1), Barnstormer_3 (EH), Berrie_3 (AZ1), Caron_3 (EH), Cen1621_3 (EH), Community_4 (AZ1), Crewmate_4 (AZ1), Cyan_3 (AZ1), DrManhattan_3 (AZ1), DrSierra_3 (AZ1), Elezi_3 (AZ1), Eraser_3 (AZ1), Floof_3 (EH), GardenState_3 (EH), Honk_3 (EH), IAmGroot_3 (EH), Iter_3 (AZ1), Janeemi_4 (AZ1), Joemato_3 (AZ1), JohnDoe_3 (AZ1), Jstan_3 (AZ1), Kaylissa_3 (AZ1), KeAlii_3 (AZ1), Lego_3 (AZ1), Lizalica_3 (AZ1), London_3 (AZ1), Mabodamaca_3 (EH), MissSwiss_3 (AZ1), Mudpuppy_3 (AZ1), Niobe_3 (AZ1), Nitro_3 (AZ1), ObiToo_3 (AZ1), Phives_4 (AZ1), Pixelle_3 (AZ1), Powerpuff_3 (AZ1), Simpson_3 (AZ1), SuMoo_3 (EH), Subaru_3 (AZ), Sue2_3 (AZ1), Tallboi_3 (AZ1), Tbone_3 (AZ1), Tian_3 (AZ1), Tuck_4 (AZ1), Turab_3 (AZ1), Tutumahutu_3 (AZ1), UtzChips_3 (EH), VResidence_3 (AZ1), Warda_3 (AZ1), YesChef_3 (AZ1), Zeta1847_3 (EH),

Start 106:

- Found in 66 of 1923 (3.4%) of genes in pham
- Manual Annotations of this start: 46 of 1663
- Called 87.9% of time when present
- Phage (with cluster) where this start called: ATCC29399BC_3 (BU), ATCC29399BT_3 (BU), Aquarius_3 (BU), Attacne_3 (BU), BruceLethal_3 (BU), Cota_3 (BU), DrParker_3 (BU), EmiRose_3 (singleton), Enochoraptor_3 (BU), Enoki_3 (BU), Keiki_3 (BU), Kubed_3 (BU), Lauchelly_3 (BU), Leviosa_3 (BU), LilBandit_3 (BU), MEAK_3 (BU), Moyashi_3 (BU), MrAK_3 (BU), Ouroboros_3 (BU), P1.1_3 (BU), P100.1_3 (BU), P100A_3 (BU), P100D_3 (BU), P101A_3 (BU), P104A_3 (BU), P104B_3 (BU), P105_3 (BU), P106A_3 (BU), P106C_3 (BU), P106L_3 (BU), P106L_3 (BU), P106M_3 (BU), P107A_3 (BU), P107C_3 (BU), P108C_3 (BU), P14.4_3 (BU), P9.1_3 (BU), PA6_3 (BU), PAD20_3 (BU), PAS50_3 (BU), PHL010M04_03 (BU), PHL037M02_03 (BU), PHL060L00_03 (BU), PHL067M10_03 (BU), PHL071N05_03 (BU), PHL111M01_03 (BU), PHL112N00_03

(BU), PHL113M01_03 (BU), PHL114L00_03 (BU), Pirate_3 (BU), Procrass1_3 (BU), QueenBey_3 (BU), Rileysaurus_3 (BU), SKKY_3 (BU), Solid_3 (BU), Stormborn_3 (BU), Supernova_3 (BU), Wizzo_3 (BU),

Start 107:

- Found in 3 of 1923 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1663
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Dubu_3 (BJ), phiSASD1_23 (BJ),

Start 108:

- Found in 186 of 1923 (9.7%) of genes in pham
- Manual Annotations of this start: 156 of 1663
- Called 91.9% of time when present
- Phage (with cluster) where this start called: Aaronocolus_7 (BD1), Alexphander_4 (F1), Aloeri_4 (F1), Alsaber_8 (BD3), Alvy_9 (BD2), Amela_7 (BD3), Amethyst_7 (BD2), Andris_7 (BD2), Animus_8 (BD2), Asten_7 (BD1), Awesomesauce_4 (F1), Axiom_8 (BD2), BarryBee_9 (BD1), BartholomewSD_9 (BD2), Beakin_4 (F1), BeardedLady_8 (BD1), BigPhil_4 (F1), Bobi_4 (F1), Boomer_4 (F1), Bovely_7 (BD1), Bowden_8 (BD2), Brataylor_8 (BD1), BroPlease_8 (BD4), Brookers_4 (F1), Brushbloom_4 (F1), BryanRecycles_8 (BD1), BuzzLyseyear_4 (F1), Caelum_8 (BD2), Celery_9 (BD3), Celeste_7 (BD1), Celia_7 (BD6), Cerasum_4 (F1), ChickenDinner_4 (F1), Chucky_7 (BD1), Coco12_4 (F1), Conan_8 (BD3), Cornucopia_4 (F1), DS6A_6 (singleton), DaWorst_4 (F1), Danzina_8 (BD1), Dattran_8 (BD1), Daudau_7 (BD2), Dexers_6 (BD3), Diane_7 (BD2), DirtMcgirt_4 (F1), DocMcStuffins_4 (F1), DosHalletts_4 (F1), Drago_4 (F1), Dwayne_7 (BD1), ELB20_06 (BD2), Eddasa_8 (BD1), Ejemplo_7 (BD1), ElGato_8 (BD3), Emaanora_9 (BD1), Emmaloid_4 (F1), Enby_4 (F1), EnochSoames_8 (BD1), Esperer_7 (BD1), Flathead_4 (F1), Footloose_3 (singleton), Frankie_4 (F1), Girafales_4 (F1), GirlDinner_7 (BD2), Goby_7 (BD1), Godpower_8 (BD1), GreenWeasel_9 (BD4), Haizum_7 (BD2), Hank144_8 (BD2), Hegedechwinu_4 (F1), Hippo_7 (BD1), Hydra_9 (BD1), Indigo_7 (BD1), Issmi_8 (BD2), Itza_7 (BD6), Izzy_8 (BD1), JalFarm20_4 (F1), Janus_8 (BD2), Jash_8 (BD1), Jevington_9 (BD2), Job42_4 (F1), Juice456_4 (F1), Kaine_7 (BD3), Katalie_8 (BD1), Kimberlium_4 (F1), Kingsley_4 (F1), Lannister_8 (BD1), Legacy_7 (BD1), Leozinho_4 (F1), Leviticus_7 (BD1), Lika_7 (BD1), LittleShirley_4 (F1), Loofah_8 (BD2), Lorde_4 (F1), Madiba_4 (F1), Marav_10 (BD2), Marker_4 (F1), Misha28_4 (F1), Mova_4 (F1), Mozy_4 (F1), MulchExplorer_4 (F1), Nabi_7 (BD1), Nanodon_9 (BD1), Nerdos_7 (BD1), Nishikigoi_7 (BD2), Oksu_4 (F1), Omar_8 (BD2), OwlsT2W_4 (F1), Ozzie_7 (BD1), OzzyJ_8 (BD1), Pablito_7 (BD2), Paedore_7 (BD2), Paolo_9 (BD2), Pavo_8 (BD3), Phettuccine_7 (BD1), Piper2020_4 (F1), Plumbus_4 (F1), Pollywog_4 (F1), Provolone_8 (BD3), Puginator_9 (BD2), Quico_4 (F1), R4_7 (BD2), Ramsey_4 (F1), Rana_7 (BD1), RedBear_9 (BD1), Rialto_4 (F1), RockyHorror_4 (F1), Rusticus_8 (BD1), Saftant_7 (BD3), SarahRose_7 (BD1), Sarma624_4 (F1), Seagreen_4 (F1), SimranZ1_4 (F1), Slim_4 (F1), Snorlax_7 (BD1), South40_8 (BD1), Speedwell_8 (BD3), Spikelee_4 (F1), SqueakyClean_8 (BD2), Squirty_4 (F3), Stap_4 (F1), Starceвич_4 (F1), Sujidade_8 (BD1), SunsetPointe_7 (BD1), Superstar_9 (BD2), TAgePghter_8 (BD1), Tchotchke_4 (F1), Tefunt_7 (BD2), Thestral_8 (BD2), TinaBelcher_7 (BD2), Toma_7 (BD1), TootsiePop_4 (F1), Tootsieroll_4 (F1), Totinger_4 (F1), Triste_7 (BD1), Triumph_9 (BD2), TrvxScott_6 (BD2), TuanPN_7 (BD1), UncleRicky_4 (F1), Unstoppable_7 (BD1), Urza_7 (BD6), Vanseggelen_10 (BD3), Velveteen_4 (F1), Verabelle_8 (BD3), Verse_7 (BD3), Werner_7 (BD1), Whatever_7 (BD1), Yasdnil_7 (BD1), Yosif_8 (BD3), Zainub_9 (BD2), Zemlya_8 (BD1), phiHau3_9 (BD4),

Start 110:

- Found in 3 of 1923 (0.2%) of genes in pham
- Manual Annotations of this start: 3 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbeyMikolon_3 (BL), Nesbitt_3 (BL), Rowa_3 (BL),

Start 111:

- Found in 49 of 1923 (2.5%) of genes in pham
- Manual Annotations of this start: 22 of 1663
- Called 85.7% of time when present
- Phage (with cluster) where this start called: AdaS_4 (AY), Aikyam_4 (AY), Anekin_3 (AY), BabyMoney_5 (DT), BenchScraper_4 (AY), Bhageatrice_6 (AY), BillyTP_4 (AY), BlueShadow_4 (AY), CookieBear_4 (AY), Dogfish_5 (DT), EvePickles_4 (AY), Ewald_6 (DT), Faja_4 (AY), Globfish_4 (AY), Gorpy_4 (AY), Hestia_3 (AY), Hillester_4 (AY), Isolde_4 (AY), JellyBread_4 (AY), Lawnathon_4 (AY), MUWow_3 (AY), MaterMagnus_4 (AY), Meyran_5 (DT), MidnightRain_4 (AY), Nyceirae_7 (DT), Persistence_3 (AY), Phishy_6 (DT), Phrank15_3 (AY), Raphaella_4 (AY), Richie_4 (AY), Sakai_4 (AY), Sashimi_4 (AY), Seahorse_4 (AY), Shukran_4 (AY), Sleepyhead_3 (singleton), SpicyFrank_4 (AY), ThayneTheZag_4 (AY), Tiff81_4 (AY), Vopal_4 (AY), Vordorf_5 (DT), Windest_4 (AY), YoungHarleezy_4 (AY),

Start 112:

- Found in 225 of 1923 (11.7%) of genes in pham
- Manual Annotations of this start: 204 of 1663
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A6_10 (A1), AFIS_12 (A1), Abbyshoes_13 (A1), Abrogate_130 (A1), Acme_14 (A1), Adahisdi_13 (A1), Aeneas_14 (A1), Agaliana_12 (A1), Ajay_12 (A1), Alsfro_16 (A1), Altman_13 (A1), Alvin_13 (A1), Anglerfish_13 (A1), Applejack_12 (A1), Arcanine_13 (A1), Arlo_11 (A1), Ashballer_11 (A1), Atkinbua_13 (A1), BK1_10 (A1), BPBiels31_13 (A1), BaconJack_14 (A1), Barriga_12 (A1), BarrowTuph_11 (A1), Beatrix_11 (A1), BeesKnees_13 (A1), Bethlehem_12 (A1), Bexan_11 (A1), Big3_12 (A1), BigMau_14 (A1), BigPaolini_13 (A1), Bigchungi_12 (A1), Bigfoot_11 (A1), Bircsak_12 (A1), BluSpix_12 (A1), Blue_12 (A1), Bob3_11 (A1), Bones_12 (A1), Briton15_14 (A1), Bruns_11 (A1), Burton_13 (A1), Buttons_13 (A1), CactusRose_11 (A1), Carlyle_14 (A1), Chanagan_11 (A1), Ciao_12 (A1), Concept11_12 (A1), Corvo_12 (A1), Crispicous1_11 (A1), Cueyliss_12 (A1), DD5_13 (A1), Dexes_13 (A1), Doom_12 (A1), DrFeelGood_11 (A1), DreamCatcher_15 (A1), Dreamboat_13 (A1), Dulcie_11 (A1), Dussy_13 (A1), Dynamix_13 (A1), Edtherson_13 (A1), EnzoK_12 (A1), Espresso_12 (A1), Euphoria_12 (A1), Eyeball_12 (A1), Fajezeel_14 (A1), Fascinus_11 (A1), Fenn_13 (A1), Forsytheast_11 (A1), Francis47_12 (A1), FrogHopper_13 (A1), Fushigi_13 (A1), GMonster_11 (A1), GageAP_14 (A1), Gandalf20_13 (A1), Gompeii16_12 (A1), Graduation_14 (A1), GrecoEtereo_13 (A1), Greg_14 (A1), Gwendoluna_14 (A1), Gyzlar_14 (A1), Hami1_14 (A1), HanShotFirst_12 (A1), HarryOW_13 (A1), Hermia_14 (A1), HermioneGrange_13 (A1), Homines_12 (A1), Hope4ever_12 (A1), ILeeKay_14 (A1), Ichabod_13 (A1), IgnatiusPatJac_11 (A1), Inyanga_11 (A1), Iqorha_11 (A1), JC27_14 (A1), JackSparrow_13 (A1), Jasper_13 (A1), Jerm2_13 (A1), Jorgensen_12 (A1), JuliaChild_14 (A1), KBG_13 (A1), KSSJEB_12 (A1), Kanely_13 (A1), Kenmech_15 (A1), Killigrew_10 (A1), KyMonks1A_14 (A1), Lamina13_12 (A1), Lesedi_11 (A1), Levia_11 (A1), Licorice_14 (A1), LilBib_13 (A1), Lockley_12 (A1), Lopton_13 (A1),

LunarLander_12 (A1), MPlant7149_11 (A1), Magnar_12 (A1), Magnito_11 (A1), Makemake_12 (A1), Manatee_13 (A1), Marcell_12 (A1), Marchy_11 (A1), Marco3_12 (A1), Marge_13 (A1), Maroc7_11 (A1), Marsha_12 (A1), MaryBeth_12 (A1), McGuire_13 (A1), McSinger_13 (A1), MetalQZJ_12 (A1), Michley_12 (A1), Mkhuseleli_13 (A1), Molly_13 (A1), Monet_14 (A1), Moose_11 (A1), MrGordo_12 (A1), Mryolo_11 (A1), Mule_12 (A1), Museum_14 (A1), NEHalo_12 (A1), Naira_13 (A1), Nerujay_13 (A1), Nhonho_12 (A1), Niza_14 (A1), Norz_14 (A1), Ohno789_12 (A1), Oogway_11 (A1), PSullivan_14 (A1), PacerPaul_12 (A1), Papez_14 (A1), Paphu_11 (A1), Paraselene_11 (A1), Pari_13 (A1), Parliament_11 (A1), PascalRango_11 (A1), PattyP_14 (A1), Payneful_12 (A1), Pelly_13 (A1), Pepe_13 (A1), Perseus_13 (A1), Peterson_15 (A1), Petp2012_14 (A1), Petruccio_12 (A1), PherrisBueller_13 (A1), PhineBark_12 (A1), Phlippers_11 (A1), PhrostyMug_12 (A1), PinkPlastic_11 (A1), Pinto_14 (A1), Pippin_14 (A1), Pita2_14 (A1), ProMouse_11 (A1), QTRLifeCrisis_12 (A1), Raid_13 (A1), Rajelicia_12 (A1), Rhynn_12 (A1), RidgeCB_12 (A1), Ringer_12 (A1), Rohr_13 (A1), Rubeus_13 (A1), Rufus_13 (A1), Ruotula_11 (A1), Rutherford_14 (A1), STLscum_13 (A1), Sagefire_13 (A1), Sandaddy_11 (A1), Sanya_11 (A1), SarFire_12 (A1), Scowl_13 (A1), Seabiscuit_14 (A1), Seanderson_13 (A1), ShortQueendom_11 (A1), Sibs6_14 (A1), SkiPole_14 (A1), Slagathor_13 (A1), Smairt_13 (A1), Smeagol_13 (A1), Snazzy_10 (A1), Solon_12 (A1), Sorpresa_12 (A1), SpikeBT_14 (A1), Squee_13 (A1), StewieG_11 (A1), StrongArm_11 (A1), Sumter_11 (A1), Sunshine924_11 (A1), SwissCheese_12 (A1), Switzer_13 (A1), Swole_14 (A1), Tasp14_13 (A1), Teodoridan_10 (A1), TheloniousMonk_14 (A1), Thor_12 (A1), Topgun_12 (A1), Tote_14 (A1), Traft412_14 (A1), Treddle_14 (A1), Tripl3t_13 (A1), Trouble_12 (A1), Turj99_11 (A1), TwoPeat_13 (A1), U2_12 (A1), Violet_11 (A1), Watermelon_14 (A1), Wheeler_12 (A1), Wilkins_12 (A1), Zeeculate_11 (A1), Zephyr_12 (A1), Zeuska_13 (A1),

Start 114:

- Found in 103 of 1923 (5.4%) of genes in pham
- Manual Annotations of this start: 8 of 1663
- Called 7.8% of time when present
- Phage (with cluster) where this start called: Fryberger_35 (DP), Guey18_40 (DP), Keelan_33 (DP), Ronaldo_38 (DP), Sabinator_14 (A3), StepMih_14 (A3), Volt_37 (DP), Ziko_38 (DP),

Start 115:

- Found in 71 of 1923 (3.7%) of genes in pham
- Manual Annotations of this start: 54 of 1663
- Called 95.8% of time when present
- Phage (with cluster) where this start called: Agatha_5 (CT), AikoCarson_4 (CT), Amok_4 (CT), AndPeggy_4 (CT), Axym_5 (CT), Azira_7 (CT), Bavilard_5 (CT), BigChungus_4 (CT), BillDoor_7 (CT), Biskit_6 (CT), Blondies_5 (CT), Burnsey_5 (CT), Button_6 (CT), Buttrmlkdreams_5 (CT), CanesSauce_5 (CT), CherryonLim_6 (CT), ChickenTender_7 (CT), ChocoMunchkin_5 (CT), Cleo_5 (CT), Cozz_5 (CT), Dre3_5 (CT), Elinal_6 (CT), Elliott_5 (CT), Emalyn_4 (CT), Feastonyeet_4 (CT), Fribs8_6 (CT), GiKK_8 (CT), Gibbous_5 (CT), GoldHunter_6 (CT), Hexbug_6 (CT), HippoPololi_7 (CT), Horseradish_6 (CT), Jamzy_8 (CT), KayGee_5 (CT), Lauer_4 (CT), MAnor_5 (CT), MScarn_7 (CT), MaVan_7 (CT), Margaret_8 (CT), Mayweather_6 (CT), MunkgeeRoachy_5 (CT), Nibbles_7 (CT), Nina_5 (CT), Nodigi_6 (CT), Orla_6 (CT), Pons_5 (CT), PotPie_5 (CT), PsychoKiller_5 (CT), Quasar_5 (CT), RanchParmCat_8 (CT), SheckWes_4 (CT), SketchMex_4 (CT), Socotra_6 (CT), Sopespian_5 (CT), Starburst_6 (CT), SteamedHams_7 (CT), SummitAcademy_4 (CT), Survivors_7 (CT), SweatNTears_7 (CT), Tolls_7 (CT), Troje_5 (CT),

Typhonomachy_6 (CT), Vine_6 (CT), Yakult_6 (CT), Yarn_4 (CT), Yucky_7 (CT), Yummy_6 (CT), Zareef_8 (CT),

Start 121:

- Found in 20 of 1923 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 1663
- Called 5.0% of time when present
- Phage (with cluster) where this start called: VieEnRose_7 (BD6),

Start 133:

- Found in 66 of 1923 (3.4%) of genes in pham
- No Manual Annotations of this start.
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Carsonalex_6 (CT), GTE2_03 (CT), RedBaron_6 (CT),

Start 166:

- Found in 380 of 1923 (19.8%) of genes in pham
- Manual Annotations of this start: 2 of 1663
- Called 0.8% of time when present
- Phage (with cluster) where this start called: Gretchen_3 (EH), Percival_3 (EH), phiCAM_07 (BD3),

Summary by clusters:

There are 96 clusters represented in this pham: BL, FR, BJ, BT, BU, BW, G5, G4, G3, G2, G1, A21, T, X, FA, M1, M3, M2, BD4, BD6, BD1, BD3, BD2, EO, EH, S, FP, FQ, singleton, K3, K2, K1, K7, K6, K5, K4, K8, FN, DN4, DN1, DN3, DN2, DU1, DU2, F, CA, CY, V, CT, A20, F1, F2, F3, F4, F6, DN, DH, DT, DP, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, A, CY2, CY1, AB, AG, AF, L4, L5, L2, L3, L1, AY, AZ, AZ1, AZ2, AZ3, AZ4, AZ5,

Info for manual annotations of cluster A:

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

Info for manual annotations of cluster A1:

- Start number 75 was manually annotated 5 times for cluster A1.
- Start number 112 was manually annotated 204 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 74 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 74 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 74 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 74 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 74 was manually annotated 21 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 74 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 75 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 74 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 74 was manually annotated 102 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 74 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 74 was manually annotated 94 times for cluster A3.
- Start number 75 was manually annotated 17 times for cluster A3.
- Start number 114 was manually annotated 2 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 74 was manually annotated 137 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 75 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 74 was manually annotated 42 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 74 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 75 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 74 was manually annotated 35 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 67 was manually annotated 1 time for cluster AB.
- Start number 69 was manually annotated 1 time for cluster AB.
- Start number 80 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster AF:

- Start number 103 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 77 was manually annotated 1 time for cluster AG.
- Start number 80 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AY:

- Start number 65 was manually annotated 1 time for cluster AY.
- Start number 96 was manually annotated 2 times for cluster AY.
- Start number 111 was manually annotated 16 times for cluster AY.

Info for manual annotations of cluster AZ:

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

Info for manual annotations of cluster AZ1:

- Start number 101 was manually annotated 6 times for cluster AZ1.
- Start number 102 was manually annotated 2 times for cluster AZ1.
- Start number 104 was manually annotated 37 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 100 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 102 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 100 was manually annotated 3 times for cluster AZ4.

Info for manual annotations of cluster AZ5:

- Start number 100 was manually annotated 5 times for cluster AZ5.
- Start number 101 was manually annotated 5 times for cluster AZ5.

Info for manual annotations of cluster BD1:

- Start number 99 was manually annotated 4 times for cluster BD1.
- Start number 108 was manually annotated 51 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 108 was manually annotated 32 times for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 108 was manually annotated 12 times for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 108 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 108 was manually annotated 3 times for cluster BD6.
- Start number 121 was manually annotated 1 time for cluster BD6.

Info for manual annotations of cluster BJ:

- Start number 107 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster BL:

- Start number 110 was manually annotated 3 times for cluster BL.

Info for manual annotations of cluster BT:

- Start number 91 was manually annotated 1 time for cluster BT.

Info for manual annotations of cluster BU:

- Start number 106 was manually annotated 45 times for cluster BU.

Info for manual annotations of cluster BW:

- Start number 61 was manually annotated 4 times for cluster BW.

Info for manual annotations of cluster CA:

- Start number 74 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CT:

- Start number 115 was manually annotated 54 times for cluster CT.

Info for manual annotations of cluster CY:

- Start number 77 was manually annotated 7 times for cluster CY.

Info for manual annotations of cluster CY1:

- Start number 77 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 77 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DH:

- Start number 80 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DN:

- Start number 62 was manually annotated 2 times for cluster DN.
- Start number 73 was manually annotated 4 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 73 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 73 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 62 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 62 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:

- Start number 114 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DT:

- Start number 111 was manually annotated 5 times for cluster DT.

Info for manual annotations of cluster DU1:

- Start number 59 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 59 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster EH:

- Start number 104 was manually annotated 11 times for cluster EH.
- Start number 166 was manually annotated 2 times for cluster EH.

Info for manual annotations of cluster EO:

- Start number 86 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster F1:

- Start number 73 was manually annotated 1 time for cluster F1.
- Start number 108 was manually annotated 52 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 73 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:

- Start number 108 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 62 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster FA:

- Start number 100 was manually annotated 9 times for cluster FA.

Info for manual annotations of cluster FN:

- Start number 80 was manually annotated 2 times for cluster FN.

Info for manual annotations of cluster FP:

- Start number 77 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster FQ:

- Start number 65 was manually annotated 1 time for cluster FQ.
- Start number 77 was manually annotated 1 time for cluster FQ.
- Start number 98 was manually annotated 1 time for cluster FQ.

Info for manual annotations of cluster G1:

- Start number 59 was manually annotated 60 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 59 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 51 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 59 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 56 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster K1:

- Start number 49 was manually annotated 18 times for cluster K1.

- Start number 50 was manually annotated 85 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 50 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 49 was manually annotated 1 time for cluster K3.
- Start number 50 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 49 was manually annotated 4 times for cluster K4.
- Start number 50 was manually annotated 15 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 50 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 49 was manually annotated 2 times for cluster K6.
- Start number 50 was manually annotated 20 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 50 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 51 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 84 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 84 was manually annotated 28 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 84 was manually annotated 17 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 87 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 74 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 55 was manually annotated 13 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 55 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster S:

- Start number 48 was manually annotated 17 times for cluster S.

Info for manual annotations of cluster T:

- Start number 53 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster V:

- Start number 87 was manually annotated 5 times for cluster V.

Info for manual annotations of cluster X:

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

Gene Information:

Gene: 20ES_13 Start: 9230, Stop: 10690, Start Num: 74

Candidate Starts for 20ES_13:

(Start: 74 @9230 has 530 MA's), (129, 9290), (174, 9395), (281, 9659), (288, 9677), (301, 9710), (388, 9821), (452, 9938), (459, 9965), (461, 9971), (467, 9992), (468, 9998), (486, 10043), (555, 10187), (583, 10280), (601, 10337), (607, 10355), (608, 10358), (617, 10385), (621, 10394), (662, 10511), (669, 10526), (677, 10541), (685, 10571), (706, 10595),

Gene: 40AC_16 Start: 11241, Stop: 12704, Start Num: 74

Candidate Starts for 40AC_16:

(Start: 74 @11241 has 530 MA's), (97, 11262), (129, 11301), (170, 11394), (174, 11406), (288, 11688), (354, 11793), (422, 11871), (425, 11880), (434, 11901), (452, 11952), (459, 11979), (461, 11985), (467, 12006), (474, 12027), (477, 12036), (486, 12057), (535, 12138), (561, 12219), (601, 12351), (608, 12372), (617, 12399), (621, 12408), (641, 12474), (662, 12525), (677, 12555), (685, 12585), (706, 12609),

Gene: 8UZL_6 Start: 3456, Stop: 4979, Start Num: 80

Candidate Starts for 8UZL_6:

(47, 3372), (Start: 80 @3456 has 8 MA's), (95, 3471), (129, 3513), (170, 3606), (174, 3618), (189, 3657), (191, 3666), (195, 3681), (221, 3744), (223, 3756), (242, 3822), (246, 3840), (301, 3951), (461, 4215), (485, 4284), (498, 4323), (568, 4485), (579, 4524), (600, 4590), (606, 4608), (640, 4701), (642, 4710), (644, 4716),

Gene: A6_10 Start: 8266, Stop: 9708, Start Num: 112

Candidate Starts for A6_10:

(64, 8200), (Start: 112 @8266 has 204 MA's), (195, 8464), (288, 8677), (421, 8872), (425, 8884), (459, 8983), (547, 9178), (561, 9217), (584, 9295), (586, 9301), (601, 9349), (605, 9361), (608, 9370), (639, 9460), (677, 9550), (687, 9583), (696, 9595),

Gene: ACFishhook_14 Start: 8807, Stop: 10261, Start Num: 74

Candidate Starts for ACFishhook_14:

(Start: 74 @8807 has 530 MA's), (Start: 114 @8837 has 8 MA's), (129, 8864), (174, 8969), (223, 9083), (242, 9149), (265, 9206), (301, 9284), (303, 9287), (421, 9428), (459, 9539), (461, 9545), (467, 9566), (544, 9731), (584, 9857), (601, 9911), (603, 9917), (608, 9932), (621, 9968), (649, 10055), (662, 10085), (677, 10115), (696, 10160), (706, 10169),

Gene: AEgle_3 Start: 2269, Stop: 3642, Start Num: 104

Candidate Starts for AEgle_3:

(Start: 104 @2269 has 48 MA's), (Start: 166 @2389 has 2 MA's), (197, 2488), (318, 2752), (412, 2845), (478, 3025), (555, 3181), (573, 3229), (579, 3259), (587, 3283), (647, 3457), (710, 3577),

Gene: AFIS_12 Start: 8603, Stop: 10045, Start Num: 112

Candidate Starts for AFIS_12:

(64, 8537), (Start: 112 @8603 has 204 MA's), (195, 8801), (288, 9014), (421, 9209), (425, 9221), (459, 9320), (547, 9515), (561, 9554), (584, 9632), (586, 9638), (601, 9686), (605, 9698), (608, 9707), (639, 9797), (677, 9887), (687, 9920), (696, 9932),

Gene: AGrandiflora_3 Start: 2269, Stop: 3645, Start Num: 104

Candidate Starts for AGrandiflora_3:

(Start: 104 @2269 has 48 MA's), (Start: 166 @2389 has 2 MA's), (197, 2488), (216, 2527), (318, 2752), (412, 2845), (478, 3025), (558, 3193), (573, 3232), (579, 3262), (587, 3286), (647, 3460), (650, 3469), (710, 3580),

Gene: AN3_13 Start: 9215, Stop: 10675, Start Num: 74

Candidate Starts for AN3_13:

(Start: 74 @9215 has 530 MA's), (129, 9275), (174, 9380), (281, 9644), (288, 9662), (301, 9695), (388, 9806), (459, 9950), (461, 9956), (467, 9977), (468, 9983), (486, 10028), (555, 10172), (583, 10265), (592, 10292), (601, 10322), (607, 10340), (608, 10343), (617, 10370), (621, 10379), (662, 10496), (669, 10511), (677, 10526), (685, 10556), (706, 10580),

Gene: AN9_16 Start: 9161, Stop: 10618, Start Num: 74

Candidate Starts for AN9_16:

(Start: 74 @9161 has 530 MA's), (129, 9221), (174, 9326), (288, 9608), (301, 9641), (419, 9782), (425, 9797), (452, 9869), (459, 9896), (461, 9902), (467, 9923), (468, 9929), (486, 9974), (601, 10268), (607, 10286), (608, 10289), (617, 10316), (621, 10325), (641, 10391), (662, 10442), (677, 10472), (685, 10502), (706, 10526),

Gene: ANI8_16 Start: 9161, Stop: 10618, Start Num: 74

Candidate Starts for ANI8_16:

(Start: 74 @9161 has 530 MA's), (129, 9221), (174, 9326), (288, 9608), (301, 9641), (419, 9782), (425, 9797), (452, 9869), (459, 9896), (461, 9902), (467, 9923), (468, 9929), (486, 9974), (601, 10268), (607, 10286), (608, 10289), (617, 10316), (621, 10325), (641, 10391), (662, 10442), (677, 10472), (685, 10502), (706, 10526),

Gene: ATCC29399BC_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for ATCC29399BC_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (408, 2420), (417, 2438), (424, 2456), (425, 2459), (430, 2468), (459, 2558), (463, 2570), (477, 2615), (499, 2657), (506, 2666), (534, 2708), (547, 2753), (549, 2759), (550, 2762), (554, 2771), (561, 2792), (576, 2846), (584, 2870), (608, 2945), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: ATCC29399BT_3 Start: 1893, Stop: 3218, Start Num: 106

Candidate Starts for ATCC29399BT_3:

(Start: 106 @1893 has 46 MA's), (118, 1908), (Start: 121 @1914 has 1 MA's), (128, 1926), (139, 1947), (157, 1998), (165, 2007), (167, 2013), (174, 2031), (180, 2040), (184, 2049), (185, 2052), (190, 2073), (192, 2082), (223, 2133), (227, 2142), (237, 2181), (239, 2187), (244, 2208), (246, 2217), (304, 2325), (306, 2328), (335, 2367), (338, 2370), (340, 2373), (348, 2382), (366, 2394), (415, 2439), (418, 2448), (421, 2454), (422, 2457), (424, 2463), (425, 2466), (430, 2475), (463, 2577), (474, 2613), (495, 2655), (496, 2658), (499, 2664), (506, 2673), (509, 2682), (534, 2715), (547, 2760), (550, 2769), (554, 2778), (576, 2853), (584, 2877), (598, 2922), (603, 2937), (608, 2952), (628, 2997), (639, 3048), (648, 3075),

(658, 3096), (659, 3099), (662, 3105), (670, 3123), (678, 3138), (679, 3141), (689, 3171), (694, 3177),

Gene: Aaronocolus_7 Start: 4081, Stop: 5523, Start Num: 108

Candidate Starts for Aaronocolus_7:

(Start: 96 @4072 has 3 MA's), (Start: 99 @4075 has 4 MA's), (Start: 108 @4081 has 156 MA's), (Start: 166 @4198 has 2 MA's), (184, 4246), (312, 4564), (346, 4606), (364, 4633), (398, 4666), (446, 4759), (449, 4771), (477, 4864), (520, 4942), (535, 4987), (549, 5044), (558, 5068), (631, 5281), (747, 5509),

Gene: AbbeyMikolon_3 Start: 2376, Stop: 3785, Start Num: 110

Candidate Starts for AbbeyMikolon_3:

(Start: 106 @2370 has 46 MA's), (Start: 110 @2376 has 3 MA's), (172, 2511), (188, 2556), (192, 2571), (193, 2574), (233, 2664), (247, 2718), (275, 2781), (287, 2808), (301, 2847), (318, 2880), (418, 2976), (424, 2991), (425, 2994), (449, 3051), (468, 3120), (477, 3144), (516, 3234), (549, 3315), (555, 3330), (575, 3384), (584, 3423), (601, 3477), (627, 3540), (655, 3642), (660, 3651), (666, 3663), (668, 3666), (677, 3684), (685, 3711), (704, 3732),

Gene: AbbyDaisy_4 Start: 2123, Stop: 3580, Start Num: 65

Candidate Starts for AbbyDaisy_4:

(Start: 65 @2123 has 2 MA's), (Start: 102 @2171 has 4 MA's), (118, 2186), (Start: 121 @2192 has 1 MA's), (123, 2195), (129, 2204), (168, 2294), (175, 2309), (188, 2345), (203, 2393), (223, 2420), (235, 2459), (239, 2474), (244, 2495), (246, 2504), (269, 2540), (316, 2630), (350, 2666), (425, 2756), (437, 2783), (450, 2822), (454, 2837), (461, 2861), (505, 2966), (540, 3041), (546, 3059), (553, 3077), (566, 3122), (587, 3188), (595, 3212), (605, 3248), (606, 3251), (640, 3356), (641, 3362), (656, 3398), (673, 3431), (679, 3443), (707, 3491),

Gene: AbbyPaige_15 Start: 9675, Stop: 11135, Start Num: 74

Candidate Starts for AbbyPaige_15:

(Start: 74 @9675 has 530 MA's), (129, 9735), (174, 9840), (246, 10038), (288, 10122), (301, 10155), (421, 10299), (452, 10383), (459, 10410), (461, 10416), (467, 10437), (468, 10443), (486, 10488), (601, 10782), (607, 10800), (608, 10803), (617, 10830), (621, 10839), (662, 10956), (677, 10986), (685, 11016), (706, 11040),

Gene: AbbysRanger_12 Start: 8587, Stop: 10044, Start Num: 74

Candidate Starts for AbbysRanger_12:

(Start: 74 @8587 has 530 MA's), (170, 8737), (174, 8749), (239, 8917), (246, 8947), (265, 8986), (276, 9004), (281, 9013), (301, 9064), (414, 9193), (421, 9211), (459, 9322), (461, 9328), (467, 9349), (468, 9355), (496, 9424), (528, 9484), (544, 9529), (584, 9655), (585, 9658), (601, 9709), (603, 9715), (608, 9730), (617, 9757), (647, 9847), (649, 9853), (662, 9883), (677, 9913), (685, 9943),

Gene: Abbysshoes_13 Start: 8692, Stop: 10134, Start Num: 112

Candidate Starts for Abbysshoes_13:

(64, 8626), (Start: 112 @8692 has 204 MA's), (195, 8890), (264, 9064), (288, 9103), (421, 9298), (425, 9310), (459, 9409), (547, 9604), (584, 9721), (586, 9727), (601, 9775), (605, 9787), (608, 9796), (639, 9886), (677, 9976), (687, 10009), (696, 10021),

Gene: Abdiel_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Abdiel_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Abrogate_130 Start: 9348, Stop: 10790, Start Num: 112

Candidate Starts for Abrogate_130:

(64, 9282), (Start: 112 @9348 has 204 MA's), (195, 9546), (288, 9759), (421, 9954), (425, 9966), (459, 10065), (484, 10137), (547, 10260), (561, 10299), (584, 10377), (586, 10383), (601, 10431), (605, 10443), (608, 10452), (639, 10542), (677, 10632), (687, 10665), (696, 10677),

Gene: Achebe_12 Start: 8575, Stop: 10032, Start Num: 74

Candidate Starts for Achebe_12:

(Start: 74 @8575 has 530 MA's), (170, 8725), (174, 8737), (233, 8884), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (435, 9235), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9745), (647, 9835), (662, 9871), (667, 9883), (677, 9901), (685, 9931),

Gene: Acme_14 Start: 9039, Stop: 10481, Start Num: 112

Candidate Starts for Acme_14:

(64, 8973), (Start: 112 @9039 has 204 MA's), (195, 9237), (288, 9450), (421, 9645), (422, 9648), (459, 9756), (484, 9828), (547, 9951), (561, 9990), (584, 10068), (586, 10074), (601, 10122), (605, 10134), (608, 10143), (639, 10233), (677, 10323), (687, 10356), (696, 10368),

Gene: Acolyte_13 Start: 9393, Stop: 10856, Start Num: 74

Candidate Starts for Acolyte_13:

(Start: 74 @9393 has 530 MA's), (129, 9453), (167, 9540), (174, 9558), (288, 9840), (301, 9873), (452, 10101), (459, 10128), (461, 10134), (467, 10155), (486, 10206), (561, 10368), (601, 10500), (607, 10518), (608, 10521), (617, 10548), (621, 10557), (649, 10644), (662, 10674), (677, 10704), (685, 10734), (706, 10758), (709, 10761),

Gene: Acquire49_5 Start: 2625, Stop: 4298, Start Num: 84

Candidate Starts for Acquire49_5:

(Start: 84 @2625 has 64 MA's), (131, 2688), (150, 2742), (165, 2766), (189, 2835), (195, 2859), (231, 2937), (241, 2973), (286, 3066), (287, 3069), (327, 3144), (372, 3183), (421, 3246), (432, 3273), (433, 3276), (444, 3297), (450, 3318), (462, 3360), (463, 3363), (520, 3465), (526, 3480), (528, 3486), (552, 3567), (561, 3594), (562, 3600), (592, 3693), (600, 3720), (603, 3729), (628, 3783), (633, 3804), (638, 3825), (647, 3852), (650, 3861), (677, 3921), (690, 3951), (698, 3960), (762, 4068), (782, 4263),

Gene: ActinUp_9 Start: 3020, Stop: 4579, Start Num: 50

Candidate Starts for ActinUp_9:

(31, 2918), (Start: 49 @3005 has 25 MA's), (Start: 50 @3020 has 160 MA's), (128, 3122), (131, 3131), (160, 3203), (Start: 166 @3212 has 2 MA's), (174, 3236), (186, 3269), (188, 3278), (197, 3311), (207, 3329), (231, 3380), (237, 3401), (248, 3443), (288, 3509), (294, 3524), (333, 3599), (351, 3620), (385, 3674), (441, 3794), (452, 3827), (457, 3848), (464, 3869), (473, 3899), (517, 3932), (525, 3950), (546, 4028), (550, 4040), (552, 4043), (556, 4055), (557, 4058), (573, 4094), (585, 4142), (601, 4193), (607, 4211), (640, 4307), (650, 4328), (661, 4355), (664, 4364), (681, 4400),

Gene: AdaS_4 Start: 2275, Stop: 3612, Start Num: 111

Candidate Starts for AdaS_4:

(44, 2152), (46, 2155), (Start: 55 @2197 has 21 MA's), (60, 2209), (Start: 96 @2263 has 3 MA's), (Start: 111 @2275 has 22 MA's), (138, 2323), (165, 2386), (170, 2398), (277, 2656), (301, 2713), (328, 2761), (415, 2848), (418, 2857), (430, 2884), (457, 2965), (461, 2977), (462, 2980), (468, 3004), (547, 3172), (565, 3226), (584, 3289), (587, 3298), (604, 3352), (619, 3391), (640, 3457), (677, 3538), (681, 3547), (716, 3598),

Gene: Adahisdi_13 Start: 8931, Stop: 10373, Start Num: 112

Candidate Starts for Adahisdi_13:

(64, 8865), (Start: 112 @8931 has 204 MA's), (195, 9129), (288, 9342), (421, 9537), (425, 9549), (459, 9648), (547, 9843), (561, 9882), (584, 9960), (586, 9966), (601, 10014), (605, 10026), (608, 10035), (639, 10125), (677, 10215), (687, 10248), (696, 10260),

Gene: Adephagia_9 Start: 3020, Stop: 4579, Start Num: 50

Candidate Starts for Adephagia_9:

(31, 2918), (Start: 49 @3005 has 25 MA's), (Start: 50 @3020 has 160 MA's), (128, 3122), (131, 3131), (160, 3203), (Start: 166 @3212 has 2 MA's), (174, 3236), (186, 3269), (188, 3278), (197, 3311), (207, 3329), (231, 3380), (237, 3401), (248, 3443), (288, 3509), (294, 3524), (333, 3599), (351, 3620), (385, 3674), (441, 3794), (452, 3827), (457, 3848), (464, 3869), (473, 3899), (517, 3932), (525, 3950), (546, 4028), (550, 4040), (552, 4043), (556, 4055), (557, 4058), (573, 4094), (585, 4142), (601, 4193), (607, 4211), (640, 4307), (650, 4328), (661, 4355), (664, 4364), (681, 4400),

Gene: Adolin_3 Start: 2280, Stop: 3656, Start Num: 104

Candidate Starts for Adolin_3:

(Start: 104 @2280 has 48 MA's), (160, 2391), (Start: 166 @2400 has 2 MA's), (197, 2499), (318, 2763), (449, 2940), (478, 3036), (555, 3195), (573, 3243), (579, 3273), (587, 3297), (635, 3432), (647, 3471), (650, 3480),

Gene: Adonis_9 Start: 3037, Stop: 4590, Start Num: 50

Candidate Starts for Adonis_9:

(29, 2914), (31, 2935), (Start: 49 @3022 has 25 MA's), (Start: 50 @3037 has 160 MA's), (128, 3136), (131, 3145), (160, 3217), (Start: 166 @3226 has 2 MA's), (174, 3250), (186, 3283), (188, 3292), (197, 3325), (231, 3394), (237, 3415), (248, 3457), (288, 3523), (294, 3538), (333, 3613), (351, 3634), (385, 3688), (430, 3784), (441, 3808), (452, 3841), (457, 3862), (464, 3883), (473, 3913), (517, 3946), (525, 3964), (541, 4024), (546, 4042), (550, 4054), (552, 4057), (556, 4069), (557, 4072), (573, 4108), (585, 4156), (601, 4207), (607, 4225), (640, 4321), (650, 4342), (661, 4369), (664, 4378), (681, 4414),

Gene: Adumb2043_3 Start: 2268, Stop: 3641, Start Num: 104

Candidate Starts for Adumb2043_3:

(Start: 104 @2268 has 48 MA's), (Start: 166 @2388 has 2 MA's), (197, 2487), (318, 2751), (478, 3024), (555, 3180), (573, 3228), (579, 3258), (587, 3282), (647, 3456), (710, 3576),

Gene: Adzzy_14 Start: 8042, Stop: 9499, Start Num: 74

Candidate Starts for Adzzy_14:

(Start: 74 @8042 has 530 MA's), (129, 8102), (174, 8207), (288, 8489), (425, 8678), (452, 8750), (459, 8777), (461, 8783), (467, 8804), (468, 8810), (561, 9017), (601, 9149), (607, 9167), (608, 9170), (617, 9197), (621, 9206), (649, 9293), (662, 9323), (677, 9353), (685, 9383), (706, 9407), (721, 9428),

Gene: Aegeus_5 Start: 2394, Stop: 3842, Start Num: 74

Candidate Starts for Aegeus_5:

(66, 2379), (Start: 74 @2394 has 530 MA's), (90, 2415), (94, 2421), (144, 2505), (176, 2586), (181, 2595), (187, 2613), (188, 2619), (189, 2622), (197, 2652), (229, 2712), (231, 2724), (237, 2745), (241, 2760), (247, 2784), (252, 2805), (273, 2829), (309, 2904), (313, 2910), (327, 2931), (372, 2970), (412, 3006), (421, 3027), (430, 3048), (432, 3054), (433, 3057), (437, 3063), (461, 3138), (480, 3198), (555, 3354), (561, 3372), (564, 3384), (565, 3387), (571, 3399), (575, 3408), (576, 3423), (592, 3471), (601, 3501), (603, 3507), (647, 3630), (648, 3633), (650, 3639), (661, 3666), (672, 3690), (677, 3699), (682, 3714), (690, 3729), (695, 3735), (698, 3738), (701, 3741),

Gene: Aeneas_14 Start: 9026, Stop: 10468, Start Num: 112

Candidate Starts for Aeneas_14:

(64, 8960), (Start: 112 @9026 has 204 MA's), (195, 9224), (288, 9437), (421, 9632), (459, 9743), (547, 9938), (561, 9977), (584, 10055), (586, 10061), (601, 10109), (605, 10121), (608, 10130), (639,

10220), (677, 10310), (687, 10343), (696, 10355),

Gene: Agaliana_12 Start: 8740, Stop: 10182, Start Num: 112

Candidate Starts for Agaliana_12:

(64, 8674), (Start: 112 @8740 has 204 MA's), (195, 8938), (288, 9151), (421, 9346), (425, 9358), (459, 9457), (484, 9529), (547, 9652), (561, 9691), (584, 9769), (586, 9775), (601, 9823), (605, 9835), (608, 9844), (639, 9934), (677, 10024), (687, 10057), (696, 10069),

Gene: Agape74_15 Start: 9675, Stop: 11135, Start Num: 74

Candidate Starts for Agape74_15:

(Start: 74 @9675 has 530 MA's), (129, 9735), (174, 9840), (246, 10038), (288, 10122), (301, 10155), (421, 10299), (452, 10383), (459, 10410), (461, 10416), (467, 10437), (468, 10443), (486, 10488), (601, 10782), (607, 10800), (608, 10803), (617, 10830), (621, 10839), (662, 10956), (677, 10986), (685, 11016), (706, 11040),

Gene: Agatha_5 Start: 2789, Stop: 4246, Start Num: 115

Candidate Starts for Agatha_5:

(Start: 115 @2789 has 54 MA's), (133, 2813), (176, 2924), (180, 2927), (184, 2936), (222, 3017), (244, 3101), (247, 3113), (288, 3182), (391, 3329), (425, 3371), (449, 3434), (454, 3452), (459, 3470), (461, 3476), (499, 3587), (544, 3704), (554, 3731), (565, 3767), (605, 3896), (607, 3902), (621, 3935), (639, 3992), (640, 3995), (648, 4019), (662, 4049), (685, 4109), (687, 4112), (759, 4223),

Gene: Agent47_7 Start: 2770, Stop: 4308, Start Num: 50

Candidate Starts for Agent47_7:

(Start: 50 @2770 has 160 MA's), (128, 2872), (131, 2881), (149, 2935), (186, 3019), (189, 3031), (197, 3061), (207, 3079), (231, 3130), (241, 3166), (247, 3190), (248, 3193), (287, 3247), (294, 3268), (333, 3343), (351, 3364), (370, 3394), (396, 3439), (421, 3493), (441, 3538), (452, 3571), (462, 3607), (464, 3613), (517, 3676), (525, 3694), (546, 3772), (550, 3784), (552, 3787), (557, 3802), (575, 3847), (576, 3862), (583, 3883), (585, 3889), (600, 3937), (601, 3940), (607, 3958), (637, 4039), (640, 4054), (650, 4075), (664, 4111), (681, 4147), (735, 4234),

Gene: AgentM_10 Start: 8017, Stop: 9450, Start Num: 75

Candidate Starts for AgentM_10:

(Start: 75 @8017 has 72 MA's), (185, 8185), (188, 8200), (190, 8206), (252, 8374), (265, 8401), (301, 8479), (363, 8560), (424, 8632), (425, 8635), (452, 8707), (461, 8740), (467, 8761), (477, 8791), (501, 8836), (584, 9052), (601, 9106), (607, 9124), (621, 9163), (662, 9280), (677, 9310), (685, 9340), (706, 9364),

Gene: Ageofdapage_9 Start: 2969, Stop: 4522, Start Num: 50

Candidate Starts for Ageofdapage_9:

(23, 2726), (28, 2840), (31, 2867), (Start: 49 @2954 has 25 MA's), (Start: 50 @2969 has 160 MA's), (128, 3068), (131, 3077), (160, 3149), (Start: 166 @3158 has 2 MA's), (174, 3182), (186, 3215), (197, 3257), (231, 3326), (237, 3347), (248, 3389), (288, 3455), (294, 3470), (351, 3566), (366, 3590), (425, 3707), (441, 3740), (452, 3773), (464, 3815), (473, 3845), (517, 3878), (525, 3896), (546, 3974), (550, 3986), (552, 3989), (556, 4001), (557, 4004), (573, 4040), (585, 4088), (601, 4139), (607, 4157), (640, 4253), (650, 4274), (661, 4301), (664, 4310), (681, 4346), (717, 4400),

Gene: Aglet_14 Start: 8655, Stop: 10109, Start Num: 74

Candidate Starts for Aglet_14:

(Start: 74 @8655 has 530 MA's), (Start: 114 @8685 has 8 MA's), (129, 8712), (174, 8817), (223, 8931), (242, 8997), (265, 9054), (301, 9132), (303, 9135), (421, 9276), (459, 9387), (461, 9393), (467, 9414), (544, 9579), (584, 9705), (601, 9759), (603, 9765), (608, 9780), (621, 9816), (649, 9903), (662, 9933), (677, 9963), (696, 10008), (706, 10017),

Gene: AgronaGT15_14 Start: 8562, Stop: 10016, Start Num: 74

Candidate Starts for AgronaGT15_14:

(Start: 74 @8562 has 530 MA's), (Start: 114 @8592 has 8 MA's), (129, 8619), (174, 8724), (223, 8838), (242, 8904), (265, 8961), (301, 9039), (303, 9042), (421, 9183), (459, 9294), (461, 9300), (467, 9321), (544, 9486), (584, 9612), (601, 9666), (603, 9672), (608, 9687), (621, 9723), (649, 9810), (662, 9840), (677, 9870), (696, 9915), (706, 9924),

Gene: AikoCarson_4 Start: 2484, Stop: 3938, Start Num: 115

Candidate Starts for AikoCarson_4:

(Start: 115 @2484 has 54 MA's), (133, 2508), (180, 2622), (184, 2631), (222, 2712), (244, 2796), (247, 2808), (288, 2877), (310, 2925), (391, 3024), (425, 3066), (446, 3117), (454, 3147), (459, 3165), (461, 3171), (520, 3321), (544, 3399), (554, 3426), (591, 3546), (607, 3597), (621, 3630), (648, 3714), (656, 3732), (662, 3744), (663, 3747), (685, 3804), (687, 3807), (759, 3915),

Gene: Aikyam_4 Start: 2274, Stop: 3605, Start Num: 111

Candidate Starts for Aikyam_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (117, 2283), (165, 2385), (170, 2397), (227, 2538), (239, 2583), (243, 2598), (248, 2619), (281, 2655), (288, 2673), (328, 2754), (365, 2799), (430, 2877), (457, 2958), (461, 2970), (462, 2973), (468, 2997), (485, 3039), (542, 3150), (547, 3165), (559, 3195), (587, 3291), (677, 3531), (678, 3534), (681, 3540), (716, 3591),

Gene: AinMach_3 Start: 2293, Stop: 3654, Start Num: 102

Candidate Starts for AinMach_3:

(Start: 102 @2293 has 4 MA's), (146, 2371), (Start: 166 @2413 has 2 MA's), (184, 2461), (266, 2674), (359, 2812), (422, 2905), (535, 3145), (558, 3226), (579, 3295), (622, 3412), (641, 3484), (647, 3493), (650, 3502), (693, 3592),

Gene: Airmid_10 Start: 7764, Stop: 9197, Start Num: 75

Candidate Starts for Airmid_10:

(Start: 75 @7764 has 72 MA's), (167, 7893), (185, 7932), (188, 7947), (252, 8121), (265, 8148), (363, 8307), (422, 8373), (424, 8379), (425, 8382), (452, 8454), (461, 8487), (467, 8508), (473, 8526), (477, 8538), (584, 8799), (601, 8853), (607, 8871), (621, 8910), (662, 9027), (677, 9057), (685, 9087), (696, 9102), (706, 9111),

Gene: Ajay_12 Start: 8736, Stop: 10178, Start Num: 112

Candidate Starts for Ajay_12:

(64, 8670), (Start: 112 @8736 has 204 MA's), (195, 8934), (288, 9147), (421, 9342), (425, 9354), (459, 9453), (484, 9525), (547, 9648), (561, 9687), (584, 9765), (586, 9771), (601, 9819), (605, 9831), (608, 9840), (639, 9930), (677, 10020), (687, 10053), (696, 10065),

Gene: Alatin_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Alatin_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Albee_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Albee_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617,

9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Alberto7_13 Start: 8883, Stop: 10334, Start Num: 74

Candidate Starts for Alberto7_13:

(Start: 74 @8883 has 530 MA's), (170, 9030), (174, 9042), (239, 9210), (246, 9240), (265, 9279), (276, 9297), (301, 9357), (414, 9486), (421, 9504), (459, 9615), (461, 9621), (467, 9642), (468, 9648), (496, 9717), (528, 9777), (544, 9822), (584, 9948), (585, 9951), (601, 10002), (603, 10008), (608, 10023), (617, 10053), (647, 10143), (662, 10179), (667, 10191), (677, 10209), (685, 10239),

Gene: Alexphander_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Alexphander_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: AlishaPH_9 Start: 3028, Stop: 4581, Start Num: 50

Candidate Starts for AlishaPH_9:

(31, 2926), (Start: 49 @3013 has 25 MA's), (Start: 50 @3028 has 160 MA's), (128, 3130), (131, 3139), (160, 3211), (Start: 166 @3220 has 2 MA's), (174, 3244), (186, 3277), (188, 3286), (231, 3388), (237, 3409), (247, 3448), (248, 3451), (288, 3514), (294, 3529), (307, 3553), (333, 3604), (351, 3625), (385, 3679), (441, 3799), (452, 3832), (457, 3853), (464, 3874), (473, 3904), (517, 3937), (525, 3955), (541, 4015), (546, 4033), (550, 4045), (552, 4048), (556, 4060), (557, 4063), (573, 4099), (585, 4147), (601, 4198), (607, 4216), (640, 4312), (650, 4333), (661, 4360), (664, 4369), (681, 4405),

Gene: Aliter_14 Start: 9821, Stop: 11308, Start Num: 74

Candidate Starts for Aliter_14:

(Start: 74 @9821 has 530 MA's), (129, 9884), (174, 9989), (252, 10199), (271, 10238), (288, 10271), (301, 10304), (421, 10448), (435, 10484), (440, 10493), (452, 10532), (459, 10559), (461, 10565), (467, 10586), (477, 10616), (486, 10637), (501, 10661), (511, 10676), (601, 10931), (607, 10949), (617, 10979), (619, 10982), (621, 10988), (659, 11099), (662, 11105), (677, 11135), (696, 11180), (706, 11189),

Gene: AlleyCat_7 Start: 2788, Stop: 4326, Start Num: 50

Candidate Starts for AlleyCat_7:

(Start: 50 @2788 has 160 MA's), (128, 2890), (131, 2899), (149, 2953), (186, 3037), (189, 3049), (197, 3079), (207, 3097), (231, 3148), (241, 3184), (247, 3208), (248, 3211), (287, 3265), (294, 3286), (333, 3361), (351, 3382), (370, 3412), (396, 3457), (421, 3511), (441, 3556), (452, 3589), (462, 3625), (464, 3631), (517, 3694), (525, 3712), (546, 3790), (550, 3802), (552, 3805), (557, 3820), (575, 3865), (576, 3880), (583, 3901), (585, 3907), (600, 3955), (601, 3958), (607, 3976), (612, 3991), (637, 4057), (640, 4072), (650, 4093), (664, 4129), (681, 4165), (735, 4252),

Gene: Alma_14 Start: 9900, Stop: 11387, Start Num: 74

Candidate Starts for Alma_14:

(Start: 74 @9900 has 530 MA's), (129, 9963), (174, 10068), (252, 10278), (271, 10317), (288, 10350), (301, 10383), (421, 10527), (435, 10563), (440, 10572), (452, 10611), (459, 10638), (461, 10644), (467, 10665), (477, 10695), (486, 10716), (501, 10740), (511, 10755), (601, 11010), (607, 11028), (617, 11058), (619, 11061), (621, 11067), (659, 11178), (662, 11184), (677, 11214), (696, 11259), (706, 11268),

Gene: Aloeri_4 Start: 2202, Stop: 3623, Start Num: 108

Candidate Starts for Aloeri_4:

(Start: 108 @2202 has 156 MA's), (124, 2229), (131, 2241), (184, 2370), (188, 2388), (190, 2394), (197, 2421), (231, 2490), (241, 2526), (246, 2547), (248, 2553), (271, 2577), (273, 2580), (287, 2607), (308, 2655), (312, 2661), (323, 2688), (336, 2706), (397, 2799), (406, 2817), (421, 2850), (424, 2859), (425, 2862), (447, 2910), (449, 2919), (457, 2949), (463, 2967), (473, 3000), (526, 3057), (550, 3141), (557, 3159), (565, 3186), (571, 3198), (573, 3201), (575, 3207), (576, 3222), (587, 3255), (628, 3360), (650, 3435), (652, 3441), (655, 3450), (660, 3459), (664, 3471), (693, 3534), (728, 3582),

Gene: Alpacados_8 Start: 4797, Stop: 6227, Start Num: 74

Candidate Starts for Alpacados_8:

(Start: 74 @4797 has 530 MA's), (185, 4974), (190, 4995), (197, 5022), (204, 5037), (233, 5100), (281, 5214), (363, 5343), (424, 5415), (455, 5502), (457, 5511), (459, 5517), (474, 5565), (500, 5619), (511, 5634), (516, 5643), (544, 5709), (547, 5718), (550, 5727), (593, 5862), (607, 5907), (608, 5910), (640, 6003), (662, 6060), (677, 6090), (685, 6117), (696, 6129), (702, 6135),

Gene: Alsaber_8 Start: 4192, Stop: 5625, Start Num: 108

Candidate Starts for Alsaber_8:

(Start: 108 @4192 has 156 MA's), (Start: 166 @4309 has 2 MA's), (184, 4357), (187, 4369), (283, 4612), (325, 4699), (382, 4759), (398, 4777), (401, 4783), (449, 4882), (470, 4957), (477, 4975), (503, 5014), (520, 5050), (549, 5152), (601, 5314), (607, 5332), (631, 5389), (661, 5479), (680, 5521), (726, 5587), (747, 5611),

Gene: Alsfro_16 Start: 9479, Stop: 10921, Start Num: 112

Candidate Starts for Alsfro_16:

(64, 9413), (Start: 112 @9479 has 204 MA's), (195, 9677), (288, 9890), (301, 9926), (421, 10085), (425, 10097), (459, 10196), (547, 10391), (561, 10430), (584, 10508), (586, 10514), (601, 10562), (605, 10574), (608, 10583), (621, 10616), (639, 10673), (677, 10763), (687, 10796), (696, 10808),

Gene: Altman_13 Start: 9274, Stop: 10716, Start Num: 112

Candidate Starts for Altman_13:

(64, 9208), (Start: 112 @9274 has 204 MA's), (195, 9472), (288, 9685), (421, 9880), (422, 9883), (425, 9892), (459, 9991), (547, 10186), (561, 10225), (584, 10303), (586, 10309), (601, 10357), (605, 10369), (608, 10378), (621, 10411), (639, 10468), (677, 10558), (687, 10591), (696, 10603),

Gene: Alvin_13 Start: 8947, Stop: 10389, Start Num: 112

Candidate Starts for Alvin_13:

(64, 8881), (Start: 112 @8947 has 204 MA's), (195, 9145), (288, 9358), (421, 9553), (425, 9565), (459, 9664), (547, 9859), (561, 9898), (584, 9976), (586, 9982), (601, 10030), (605, 10042), (608, 10051), (639, 10141), (677, 10231), (687, 10264), (696, 10276),

Gene: Alvy_9 Start: 4026, Stop: 5492, Start Num: 108

Candidate Starts for Alvy_9:

(Start: 108 @4026 has 156 MA's), (Start: 166 @4137 has 2 MA's), (184, 4185), (187, 4197), (197, 4236), (231, 4326), (312, 4497), (314, 4500), (325, 4521), (346, 4539), (364, 4566), (446, 4692), (449, 4704), (470, 4779), (477, 4797), (483, 4815), (486, 4824), (513, 4905), (535, 4962), (547, 5013), (549, 5019), (607, 5199), (631, 5256), (661, 5346), (664, 5355), (736, 5460), (747, 5478),

Gene: Amela_7 Start: 4252, Stop: 5685, Start Num: 108

Candidate Starts for Amela_7:

(Start: 108 @4252 has 156 MA's), (Start: 166 @4369 has 2 MA's), (184, 4417), (187, 4429), (283, 4672), (325, 4759), (398, 4837), (401, 4843), (449, 4942), (470, 5017), (477, 5035), (503, 5074), (520, 5110), (549, 5212), (601, 5374), (607, 5392), (631, 5449), (680, 5581), (697, 5611), (747, 5671),

Gene: Amelie_5 Start: 2283, Stop: 3839, Start Num: 50

Candidate Starts for Amelie_5:

(29, 2157), (31, 2178), (Start: 49 @2268 has 25 MA's), (Start: 50 @2283 has 160 MA's), (109, 2352), (119, 2367), (131, 2388), (Start: 166 @2469 has 2 MA's), (174, 2493), (186, 2526), (195, 2562), (231, 2637), (237, 2658), (241, 2673), (294, 2778), (327, 2844), (351, 2874), (383, 2928), (404, 2970), (421, 3006), (425, 3018), (441, 3051), (452, 3084), (464, 3126), (473, 3156), (517, 3189), (525, 3207), (526, 3213), (541, 3267), (546, 3285), (550, 3297), (556, 3312), (557, 3315), (569, 3348), (600, 3447), (601, 3450), (607, 3468), (628, 3510), (639, 3561), (640, 3564), (650, 3585), (660, 3609), (661, 3612), (664, 3621), (681, 3657), (684, 3672), (701, 3693),

Gene: Amethyst_7 Start: 3826, Stop: 5301, Start Num: 108

Candidate Starts for Amethyst_7:

(Start: 108 @3826 has 156 MA's), (128, 3856), (Start: 166 @3943 has 2 MA's), (197, 4042), (231, 4135), (398, 4408), (449, 4513), (477, 4606), (481, 4618), (483, 4624), (535, 4771), (547, 4822), (549, 4828), (607, 5008), (631, 5065), (661, 5155), (664, 5164), (747, 5287),

Gene: Amgine_7 Start: 2617, Stop: 4170, Start Num: 50

Candidate Starts for Amgine_7:

(28, 2485), (31, 2512), (Start: 49 @2602 has 25 MA's), (Start: 50 @2617 has 160 MA's), (131, 2725), (Start: 166 @2806 has 2 MA's), (174, 2830), (186, 2863), (207, 2923), (231, 2974), (237, 2995), (241, 3010), (288, 3100), (294, 3115), (333, 3190), (351, 3211), (366, 3235), (404, 3304), (421, 3340), (425, 3352), (441, 3385), (452, 3418), (457, 3439), (464, 3460), (473, 3490), (517, 3523), (525, 3541), (535, 3571), (546, 3619), (550, 3631), (552, 3634), (556, 3646), (557, 3649), (565, 3676), (585, 3733), (607, 3802), (614, 3823), (640, 3898), (650, 3919), (661, 3946), (664, 3955), (681, 3991),

Gene: Aminay_7 Start: 2762, Stop: 4318, Start Num: 50

Candidate Starts for Aminay_7:

(Start: 50 @2762 has 160 MA's), (60, 2786), (128, 2867), (131, 2876), (141, 2900), (160, 2948), (Start: 166 @2957 has 2 MA's), (186, 3014), (188, 3023), (189, 3026), (231, 3125), (237, 3146), (246, 3182), (248, 3188), (271, 3212), (288, 3248), (315, 3302), (351, 3359), (404, 3446), (424, 3491), (441, 3527), (451, 3557), (457, 3581), (459, 3587), (464, 3602), (517, 3665), (519, 3668), (525, 3683), (526, 3689), (541, 3743), (550, 3773), (557, 3791), (558, 3794), (565, 3818), (571, 3830), (576, 3854), (607, 3950), (628, 4028), (637, 4067), (639, 4079), (650, 4103), (660, 4127), (661, 4130), (664, 4139), (681, 4175), (690, 4199),

Gene: Amohnition_8 Start: 2823, Stop: 4376, Start Num: 50

Candidate Starts for Amohnition_8:

(29, 2697), (31, 2718), (Start: 49 @2808 has 25 MA's), (Start: 50 @2823 has 160 MA's), (128, 2922), (131, 2931), (134, 2937), (Start: 166 @3012 has 2 MA's), (174, 3036), (186, 3069), (207, 3129), (231, 3180), (237, 3201), (241, 3216), (288, 3306), (294, 3321), (333, 3396), (351, 3417), (366, 3441), (404, 3510), (425, 3558), (441, 3591), (444, 3597), (452, 3624), (457, 3645), (464, 3666), (517, 3729), (525, 3747), (546, 3825), (550, 3837), (552, 3840), (557, 3855), (565, 3882), (585, 3939), (600, 3987), (601, 3990), (607, 4008), (614, 4029), (628, 4050), (637, 4089), (640, 4104), (660, 4149), (661, 4152), (664, 4161), (681, 4197), (684, 4212),

Gene: Amok_4 Start: 2485, Stop: 3939, Start Num: 115

Candidate Starts for Amok_4:

(Start: 115 @2485 has 54 MA's), (133, 2509), (180, 2623), (184, 2632), (222, 2713), (241, 2785), (244, 2797), (288, 2878), (310, 2926), (391, 3025), (425, 3067), (446, 3118), (454, 3148), (459, 3166), (461, 3172), (520, 3322), (544, 3400), (554, 3427), (591, 3547), (598, 3571), (607, 3598), (621, 3631), (648, 3715), (656, 3733), (662, 3745), (663, 3748), (685, 3805), (687, 3808), (759, 3916),

Gene: Amyev_3 Start: 2278, Stop: 3657, Start Num: 104

Candidate Starts for Amyev_3:

(1, 1264), (2, 1399), (5, 1504), (6, 1522), (17, 1837), (25, 1978), (Start: 104 @2278 has 48 MA's), (144, 2350), (Start: 166 @2398 has 2 MA's), (197, 2497), (318, 2761), (412, 2854), (478, 3034), (555, 3190), (573, 3238), (579, 3268), (587, 3292), (647, 3466), (710, 3586),

Gene: Anaya_10 Start: 3049, Stop: 4602, Start Num: 50

Candidate Starts for Anaya_10:

(23, 2806), (31, 2947), (Start: 49 @3034 has 25 MA's), (Start: 50 @3049 has 160 MA's), (128, 3148), (131, 3157), (160, 3229), (Start: 166 @3238 has 2 MA's), (174, 3262), (186, 3295), (188, 3304), (197, 3337), (231, 3406), (237, 3427), (246, 3463), (248, 3469), (288, 3535), (294, 3550), (351, 3646), (425, 3787), (441, 3820), (452, 3853), (457, 3874), (464, 3895), (473, 3925), (525, 3976), (546, 4054), (550, 4066), (552, 4069), (556, 4081), (557, 4084), (585, 4168), (601, 4219), (607, 4237), (622, 4267), (640, 4333), (650, 4354), (661, 4381), (664, 4390), (681, 4426), (717, 4480),

Gene: Anaysia_15 Start: 8380, Stop: 9840, Start Num: 74

Candidate Starts for Anaysia_15:

(Start: 74 @8380 has 530 MA's), (129, 8440), (174, 8545), (196, 8611), (271, 8794), (288, 8827), (301, 8860), (452, 9091), (459, 9118), (461, 9124), (467, 9145), (474, 9166), (486, 9196), (501, 9220), (555, 9340), (584, 9436), (593, 9463), (601, 9490), (607, 9508), (608, 9511), (617, 9544), (621, 9553), (662, 9670), (677, 9700), (706, 9754),

Gene: AndPeggy_4 Start: 2796, Stop: 4250, Start Num: 115

Candidate Starts for AndPeggy_4:

(Start: 115 @2796 has 54 MA's), (133, 2820), (180, 2934), (184, 2943), (222, 3024), (244, 3108), (288, 3189), (391, 3336), (425, 3378), (446, 3429), (454, 3459), (459, 3477), (461, 3483), (544, 3711), (554, 3738), (560, 3753), (565, 3774), (591, 3858), (598, 3882), (648, 4026), (656, 4044), (662, 4056), (663, 4059), (685, 4116), (687, 4119), (759, 4227),

Gene: Andris_7 Start: 3857, Stop: 5341, Start Num: 108

Candidate Starts for Andris_7:

(Start: 108 @3857 has 156 MA's), (Start: 166 @3974 has 2 MA's), (187, 4034), (188, 4040), (197, 4073), (231, 4166), (237, 4187), (278, 4265), (314, 4340), (346, 4379), (398, 4439), (449, 4544), (470, 4619), (477, 4637), (481, 4649), (483, 4655), (485, 4661), (547, 4853), (549, 4859), (600, 5018), (631, 5096), (661, 5186), (664, 5195), (680, 5228), (747, 5327),

Gene: Aneem_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Aneem_13:

(Start: 74 @9784 has 530 MA's), (120, 9829), (129, 9844), (174, 9949), (288, 10231), (301, 10264), (425, 10420), (452, 10492), (459, 10519), (461, 10525), (467, 10546), (486, 10597), (592, 10861), (601, 10891), (608, 10912), (612, 10927), (617, 10939), (621, 10948), (649, 11035), (662, 11065), (677, 11095), (685, 11125), (736, 11191),

Gene: Anekin_3 Start: 2346, Stop: 3680, Start Num: 111

Candidate Starts for Anekin_3:

(Start: 96 @2334 has 3 MA's), (Start: 111 @2346 has 22 MA's), (126, 2367), (147, 2415), (158, 2445), (165, 2454), (170, 2466), (227, 2607), (231, 2625), (243, 2667), (277, 2724), (281, 2730), (288, 2748), (328, 2829), (350, 2850), (430, 2952), (457, 3033), (461, 3045), (462, 3048), (468, 3072), (485, 3114), (513, 3165), (547, 3240), (587, 3366), (600, 3408), (603, 3417), (604, 3420), (619, 3459), (629, 3474), (635, 3501), (677, 3606), (681, 3615), (716, 3666),

Gene: Angel_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Angel_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Angelica_9 Start: 3008, Stop: 4561, Start Num: 50

Candidate Starts for Angelica_9:

(23, 2765), (28, 2879), (31, 2906), (Start: 49 @2993 has 25 MA's), (Start: 50 @3008 has 160 MA's), (128, 3110), (131, 3119), (135, 3128), (Start: 166 @3200 has 2 MA's), (186, 3257), (188, 3266), (197, 3299), (198, 3302), (231, 3368), (237, 3389), (248, 3431), (294, 3509), (333, 3584), (351, 3605), (370, 3635), (421, 3734), (425, 3746), (441, 3779), (452, 3812), (457, 3833), (464, 3854), (473, 3884), (517, 3917), (525, 3935), (546, 4013), (550, 4025), (552, 4028), (556, 4040), (557, 4043), (573, 4079), (585, 4127), (601, 4178), (607, 4196), (640, 4292), (650, 4313), (661, 4340), (664, 4349), (681, 4385),

Gene: Angelique_3 Start: 2278, Stop: 3726, Start Num: 77

Candidate Starts for Angelique_3:

(35, 2125), (Start: 77 @2278 has 21 MA's), (92, 2296), (183, 2464), (191, 2497), (202, 2530), (237, 2602), (360, 2812), (422, 2881), (425, 2890), (440, 2923), (461, 2995), (497, 3097), (510, 3121), (514, 3130), (529, 3163), (531, 3166), (547, 3220), (565, 3274), (578, 3319), (593, 3364), (605, 3403), (606, 3406), (607, 3409), (628, 3454), (727, 3673),

Gene: Anglerfish_13 Start: 9661, Stop: 11103, Start Num: 112

Candidate Starts for Anglerfish_13:

(64, 9595), (Start: 112 @9661 has 204 MA's), (195, 9859), (288, 10072), (421, 10267), (425, 10279), (459, 10378), (484, 10450), (547, 10573), (561, 10612), (584, 10690), (586, 10696), (601, 10744), (605, 10756), (608, 10765), (639, 10855), (677, 10945), (687, 10978), (696, 10990),

Gene: AngryOrchard_8 Start: 4780, Stop: 6210, Start Num: 74

Candidate Starts for AngryOrchard_8:

(Start: 74 @4780 has 530 MA's), (185, 4957), (190, 4978), (197, 5005), (204, 5020), (271, 5182), (281, 5197), (363, 5326), (424, 5398), (455, 5485), (457, 5494), (459, 5500), (474, 5548), (511, 5617), (516, 5626), (547, 5701), (550, 5710), (593, 5845), (607, 5890), (608, 5893), (640, 5986), (662, 6043), (677, 6073), (685, 6100), (696, 6112), (702, 6118),

Gene: Animus_8 Start: 4204, Stop: 5691, Start Num: 108

Candidate Starts for Animus_8:

(Start: 108 @4204 has 156 MA's), (Start: 166 @4321 has 2 MA's), (197, 4420), (210, 4474), (231, 4513), (346, 4726), (449, 4894), (470, 4969), (474, 4978), (477, 4987), (483, 5005), (485, 5011), (535, 5152), (547, 5203), (549, 5209), (631, 5446), (664, 5545), (680, 5578), (747, 5677),

Gene: AnnaL29_16 Start: 11076, Stop: 12536, Start Num: 74

Candidate Starts for AnnaL29_16:

(Start: 74 @11076 has 530 MA's), (Start: 111 @11106 has 22 MA's), (129, 11136), (170, 11229), (174, 11241), (288, 11523), (421, 11700), (424, 11709), (452, 11784), (459, 11811), (461, 11817), (467, 11838), (501, 11913), (601, 12183), (608, 12204), (612, 12219), (617, 12231), (621, 12240), (662, 12357), (677, 12387), (685, 12417), (706, 12441),

Gene: AnnabelLee_5 Start: 2786, Stop: 4270, Start Num: 77

Candidate Starts for AnnabelLee_5:

(Start: 77 @2786 has 21 MA's), (151, 2915), (165, 2936), (203, 3044), (247, 3161), (249, 3167), (286, 3224), (424, 3410), (450, 3479), (453, 3488), (461, 3518), (474, 3560), (499, 3629), (506, 3638), (540, 3704), (546, 3722), (547, 3725), (576, 3818), (601, 3896), (662, 4064), (718, 4166), (757, 4250),

Gene: Annihilator_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Annihilator_3:

(Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Annyong_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for Annyong_12:

(Start: 74 @8579 has 530 MA's), (174, 8738), (239, 8906), (246, 8936), (265, 8975), (276, 8993), (301, 9053), (414, 9182), (421, 9200), (459, 9311), (461, 9317), (467, 9338), (468, 9344), (496, 9413), (528, 9473), (544, 9518), (584, 9644), (585, 9647), (601, 9698), (608, 9719), (617, 9749), (647, 9839), (662, 9875), (667, 9887), (677, 9905), (685, 9935),

Gene: Anon_13 Start: 8728, Stop: 10206, Start Num: 74

Candidate Starts for Anon_13:

(45, 8650), (Start: 74 @8728 has 530 MA's), (129, 8794), (167, 8881), (174, 8899), (288, 9181), (422, 9364), (424, 9370), (452, 9445), (459, 9472), (461, 9478), (467, 9499), (474, 9520), (601, 9844), (603, 9850), (607, 9862), (608, 9865), (617, 9892), (621, 9901), (659, 10012), (662, 10018), (677, 10048), (685, 10078), (696, 10093), (706, 10102),

Gene: Anselm_13 Start: 9335, Stop: 10798, Start Num: 74

Candidate Starts for Anselm_13:

(Start: 74 @9335 has 530 MA's), (129, 9395), (174, 9500), (246, 9698), (288, 9782), (301, 9815), (388, 9926), (452, 10043), (459, 10070), (461, 10076), (467, 10097), (468, 10103), (486, 10148), (547, 10271), (601, 10442), (607, 10460), (608, 10463), (617, 10490), (621, 10499), (662, 10616), (677, 10646), (685, 10676), (706, 10700),

Gene: Anthony_12 Start: 7369, Stop: 8817, Start Num: 74

Candidate Starts for Anthony_12:

(Start: 74 @7369 has 530 MA's), (129, 7429), (170, 7522), (174, 7534), (197, 7603), (248, 7738), (288, 7816), (301, 7849), (414, 7975), (421, 7993), (452, 8077), (458, 8101), (459, 8104), (461, 8110), (467, 8131), (565, 8359), (584, 8422), (601, 8476), (608, 8497), (621, 8533), (645, 8611), (662, 8641), (677, 8671), (694, 8713), (696, 8716),

Gene: Antsirabe_3 Start: 1976, Stop: 3523, Start Num: 56

Candidate Starts for Antsirabe_3:

(38, 1922), (Start: 56 @1976 has 1 MA's), (117, 2045), (118, 2048), (168, 2156), (184, 2189), (238, 2336), (239, 2339), (301, 2474), (356, 2552), (360, 2558), (422, 2624), (427, 2636), (441, 2669), (450, 2699), (461, 2738), (506, 2858), (534, 2915), (546, 2957), (547, 2960), (553, 2975), (554, 2978), (607, 3152), (686, 3371), (739, 3443), (746, 3458),

Gene: Anubis_16 Start: 8540, Stop: 9994, Start Num: 74

Candidate Starts for Anubis_16:

(Start: 74 @8540 has 530 MA's), (Start: 114 @8570 has 8 MA's), (129, 8597), (174, 8702), (223, 8816), (242, 8882), (265, 8939), (301, 9017), (303, 9020), (421, 9161), (459, 9272), (461, 9278), (467, 9299), (544, 9464), (584, 9590), (601, 9644), (603, 9650), (608, 9665), (621, 9701), (649, 9788), (662, 9818), (677, 9848), (696, 9893), (706, 9902),

Gene: Apocalypse_9 Start: 3004, Stop: 4557, Start Num: 50

Candidate Starts for Apocalypse_9:

(31, 2902), (Start: 49 @2989 has 25 MA's), (Start: 50 @3004 has 160 MA's), (128, 3103), (131, 3112), (160, 3184), (174, 3217), (186, 3250), (188, 3259), (197, 3292), (231, 3361), (237, 3382), (248, 3424), (288, 3490), (294, 3505), (333, 3580), (351, 3601), (385, 3655), (441, 3775), (452, 3808), (457, 3829), (464, 3850), (473, 3880), (517, 3913), (525, 3931), (541, 3991), (546, 4009), (550, 4021), (552, 4024), (556, 4036), (557, 4039), (573, 4075), (585, 4123), (601, 4174), (607, 4192), (640, 4288), (650, 4309), (661, 4336), (664, 4345), (681, 4381),

Gene: AppleCloud_7 Start: 4544, Stop: 5974, Start Num: 74

Candidate Starts for AppleCloud_7:

(43, 4463), (Start: 74 @4544 has 530 MA's), (185, 4721), (190, 4742), (197, 4769), (204, 4784), (233, 4847), (271, 4946), (281, 4961), (363, 5090), (424, 5162), (455, 5249), (457, 5258), (459, 5264), (474, 5312), (511, 5381), (516, 5390), (544, 5456), (547, 5465), (593, 5609), (607, 5654), (608, 5657), (640, 5750), (662, 5807), (677, 5837), (685, 5864), (696, 5876), (702, 5882),

Gene: Applecrisp_7 Start: 2976, Stop: 4529, Start Num: 50

Candidate Starts for Applecrisp_7:

(28, 2844), (31, 2871), (Start: 49 @2961 has 25 MA's), (Start: 50 @2976 has 160 MA's), (128, 3075), (131, 3084), (160, 3156), (Start: 166 @3165 has 2 MA's), (174, 3189), (186, 3222), (207, 3282), (237, 3354), (241, 3369), (288, 3459), (294, 3474), (333, 3549), (351, 3570), (366, 3594), (404, 3663), (421, 3699), (425, 3711), (441, 3744), (452, 3777), (457, 3798), (464, 3819), (473, 3849), (517, 3882), (525, 3900), (535, 3930), (546, 3978), (550, 3990), (552, 3993), (556, 4005), (557, 4008), (565, 4035), (585, 4092), (607, 4161), (614, 4182), (640, 4257), (650, 4278), (661, 4305), (664, 4314), (681, 4350),

Gene: Applejack_12 Start: 8674, Stop: 10116, Start Num: 112

Candidate Starts for Applejack_12:

(64, 8608), (Start: 112 @8674 has 204 MA's), (195, 8872), (288, 9085), (421, 9280), (459, 9391), (484, 9463), (547, 9586), (561, 9625), (584, 9703), (586, 9709), (601, 9757), (605, 9769), (608, 9778), (639, 9868), (677, 9958), (687, 9991), (696, 10003),

Gene: Appletree2_5 Start: 2598, Stop: 4271, Start Num: 84

Candidate Starts for Appletree2_5:

(Start: 84 @2598 has 64 MA's), (131, 2661), (150, 2715), (165, 2739), (189, 2808), (195, 2832), (231, 2910), (241, 2946), (286, 3039), (287, 3042), (327, 3117), (372, 3156), (421, 3219), (432, 3246), (433, 3249), (444, 3270), (450, 3291), (462, 3333), (463, 3336), (520, 3438), (526, 3453), (528, 3459), (552, 3540), (561, 3567), (562, 3573), (592, 3666), (600, 3693), (603, 3702), (628, 3756), (633, 3777), (638, 3798), (647, 3825), (650, 3834), (677, 3894), (690, 3924), (698, 3933), (762, 4041), (782, 4236),

Gene: Apricot_3 Start: 2144, Stop: 3622, Start Num: 62

Candidate Starts for Apricot_3:

(Start: 62 @2144 has 13 MA's), (92, 2177), (Start: 100 @2186 has 21 MA's), (129, 2225), (140, 2246), (141, 2249), (142, 2252), (180, 2342), (184, 2351), (185, 2354), (226, 2441), (227, 2444), (241, 2498), (259, 2546), (269, 2561), (281, 2573), (289, 2597), (308, 2636), (350, 2687), (363, 2705), (391, 2735), (408, 2738), (418, 2759), (422, 2768), (429, 2783), (430, 2786), (440, 2810), (458, 2873), (461, 2882), (475, 2927), (481, 2945), (486, 2954), (517, 3023), (532, 3065), (568, 3179), (584, 3233), (596, 3269), (607, 3305), (621, 3344), (628, 3350), (647, 3425), (648, 3428), (656, 3446), (730, 3569),

Gene: Aquarius_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for Aquarius_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (Start: 121 @1907 has 1 MA's), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (415, 2432), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615),

(499, 2657), (506, 2666), (509, 2675), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (600, 2921), (608, 2945), (621, 2984), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: ArV2_03 Start: 1797, Stop: 3194, Start Num: 87

Candidate Starts for ArV2_03:

(Start: 87 @1797 has 9 MA's), (105, 1818), (148, 1899), (185, 1980), (196, 2025), (227, 2082), (258, 2172), (287, 2211), (299, 2241), (332, 2298), (338, 2304), (393, 2361), (450, 2466), (457, 2493), (463, 2511), (475, 2550), (498, 2598), (499, 2601), (506, 2610), (534, 2655), (549, 2706), (562, 2745), (606, 2877), (629, 2934), (631, 2946), (675, 3066), (696, 3111),

Gene: Aragog_10 Start: 8047, Stop: 9480, Start Num: 75

Candidate Starts for Aragog_10:

(Start: 75 @8047 has 72 MA's), (167, 8176), (170, 8182), (197, 8263), (252, 8404), (265, 8431), (301, 8509), (363, 8590), (421, 8653), (422, 8656), (424, 8662), (425, 8665), (452, 8737), (461, 8770), (467, 8791), (477, 8821), (584, 9082), (601, 9136), (607, 9154), (621, 9193), (662, 9310), (677, 9340), (696, 9385), (706, 9394),

Gene: Arcanine_13 Start: 8610, Stop: 10052, Start Num: 112

Candidate Starts for Arcanine_13:

(64, 8544), (Start: 112 @8610 has 204 MA's), (195, 8808), (288, 9021), (421, 9216), (422, 9219), (425, 9228), (459, 9327), (484, 9399), (547, 9522), (561, 9561), (584, 9639), (586, 9645), (601, 9693), (605, 9705), (608, 9714), (621, 9747), (639, 9804), (677, 9894), (687, 9927), (696, 9939),

Gene: ArcherNM_15 Start: 11011, Stop: 12474, Start Num: 74

Candidate Starts for ArcherNM_15:

(Start: 74 @11011 has 530 MA's), (129, 11071), (174, 11176), (288, 11458), (301, 11491), (422, 11641), (452, 11722), (459, 11749), (461, 11755), (467, 11776), (601, 12121), (607, 12139), (608, 12142), (612, 12157), (617, 12169), (621, 12178), (662, 12295), (677, 12325), (685, 12355), (706, 12379),

Gene: Archetta_10 Start: 7756, Stop: 9189, Start Num: 75

Candidate Starts for Archetta_10:

(Start: 75 @7756 has 72 MA's), (185, 7924), (188, 7939), (190, 7945), (252, 8113), (265, 8140), (301, 8218), (363, 8299), (424, 8371), (425, 8374), (452, 8446), (461, 8479), (467, 8500), (477, 8530), (501, 8575), (584, 8791), (601, 8845), (607, 8863), (621, 8902), (662, 9019), (677, 9049), (685, 9079), (706, 9103),

Gene: Archie_5 Start: 2603, Stop: 4258, Start Num: 84

Candidate Starts for Archie_5:

(Start: 84 @2603 has 64 MA's), (131, 2666), (137, 2681), (144, 2699), (165, 2744), (187, 2804), (189, 2813), (195, 2837), (197, 2843), (231, 2915), (241, 2951), (248, 2978), (278, 3029), (287, 3047), (288, 3053), (327, 3122), (372, 3161), (418, 3218), (421, 3224), (425, 3236), (430, 3245), (432, 3251), (433, 3254), (444, 3275), (450, 3296), (452, 3302), (463, 3341), (516, 3437), (528, 3464), (561, 3572), (562, 3578), (592, 3671), (600, 3698), (628, 3761), (633, 3782), (638, 3803), (647, 3830), (648, 3833), (650, 3839), (677, 3899), (690, 3929), (698, 3938), (704, 3944), (757, 4034), (762, 4046), (767, 4079), (774, 4118), (782, 4223),

Gene: Arianna_4 Start: 2870, Stop: 4285, Start Num: 86

Candidate Starts for Arianna_4:

(Start: 86 @2870 has 5 MA's), (142, 2960), (189, 3089), (195, 3113), (231, 3185), (241, 3221), (362, 3458), (404, 3512), (446, 3608), (461, 3662), (474, 3704), (520, 3746), (579, 3944), (647, 4142),

Gene: Arissanae_12 Start: 8025, Stop: 9506, Start Num: 74

Candidate Starts for Arissanae_12:

(Start: 74 @8025 has 530 MA's), (129, 8085), (167, 8172), (174, 8190), (252, 8400), (288, 8472), (316, 8529), (388, 8616), (421, 8649), (435, 8685), (440, 8694), (452, 8733), (459, 8760), (461, 8766), (467, 8787), (468, 8793), (486, 8838), (511, 8877), (601, 9132), (607, 9150), (617, 9180), (621, 9189), (659, 9300), (662, 9306), (677, 9336), (696, 9381), (706, 9390),

Gene: Arlo_11 Start: 8299, Stop: 9741, Start Num: 112

Candidate Starts for Arlo_11:

(64, 8233), (Start: 112 @8299 has 204 MA's), (195, 8497), (288, 8710), (291, 8722), (421, 8905), (425, 8917), (459, 9016), (547, 9211), (561, 9250), (584, 9328), (586, 9334), (601, 9382), (605, 9394), (608, 9403), (639, 9493), (677, 9583), (687, 9616), (696, 9628),

Gene: Aroostook_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Aroostook_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Artemis2UCLA_16 Start: 9167, Stop: 10633, Start Num: 74

Candidate Starts for Artemis2UCLA_16:

(Start: 74 @9167 has 530 MA's), (97, 9188), (129, 9227), (167, 9314), (171, 9326), (174, 9332), (288, 9614), (315, 9668), (434, 9827), (452, 9878), (459, 9905), (461, 9911), (467, 9932), (561, 10145), (608, 10298), (612, 10313), (617, 10325), (621, 10334), (641, 10400), (649, 10421), (662, 10451), (677, 10481), (685, 10511),

Gene: Arturo_11 Start: 8689, Stop: 10143, Start Num: 74

Candidate Starts for Arturo_11:

(Start: 74 @8689 has 530 MA's), (170, 8839), (174, 8851), (239, 9019), (246, 9049), (265, 9088), (276, 9106), (301, 9166), (414, 9295), (421, 9313), (459, 9424), (461, 9430), (467, 9451), (468, 9457), (496, 9526), (528, 9586), (544, 9631), (584, 9757), (585, 9760), (601, 9811), (608, 9832), (617, 9862), (647, 9952), (662, 9988), (677, 10018), (685, 10048),

Gene: Asa16_3 Start: 2265, Stop: 3641, Start Num: 104

Candidate Starts for Asa16_3:

(Start: 104 @2265 has 48 MA's), (Start: 166 @2385 has 2 MA's), (197, 2484), (318, 2748), (478, 3021), (555, 3180), (573, 3228), (579, 3258), (587, 3282), (647, 3456), (710, 3576),

Gene: Asapag_4 Start: 2191, Stop: 3627, Start Num: 73

Candidate Starts for Asapag_4:

(Start: 73 @2191 has 29 MA's), (142, 2281), (163, 2332), (165, 2335), (201, 2440), (227, 2482), (235, 2512), (241, 2536), (252, 2569), (410, 2776), (450, 2878), (452, 2884), (458, 2908), (465, 2929), (466, 2935), (475, 2962), (481, 2980), (492, 3013), (518, 3064), (534, 3094), (551, 3148), (561, 3178), (571, 3208), (607, 3331), (637, 3424), (640, 3439), (665, 3502), (694, 3562), (720, 3589),

Gene: Asayake_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Asayake_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546,

4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Ascela_3 Start: 2280, Stop: 3656, Start Num: 104

Candidate Starts for Ascela_3:

(Start: 104 @2280 has 48 MA's), (Start: 166 @2400 has 2 MA's), (197, 2499), (318, 2763), (478, 3036), (555, 3195), (573, 3243), (579, 3273), (587, 3297), (647, 3471), (710, 3591),

Gene: Ashballer_11 Start: 8679, Stop: 10121, Start Num: 112

Candidate Starts for Ashballer_11:

(64, 8613), (Start: 112 @8679 has 204 MA's), (195, 8877), (288, 9090), (421, 9285), (425, 9297), (459, 9396), (484, 9468), (547, 9591), (561, 9630), (584, 9708), (586, 9714), (601, 9762), (605, 9774), (608, 9783), (639, 9873), (677, 9963), (687, 9996), (696, 10008),

Gene: Ashes_3 Start: 2307, Stop: 3875, Start Num: 101

Candidate Starts for Ashes_3:

(Start: 101 @2307 has 12 MA's), (Start: 166 @2433 has 2 MA's), (246, 2658), (266, 2694), (273, 2703), (283, 2721), (318, 2796), (351, 2820), (421, 2925), (552, 3231), (555, 3240), (561, 3258), (565, 3273), (566, 3276), (647, 3516), (745, 3690),

Gene: Asten_7 Start: 4055, Stop: 5491, Start Num: 108

Candidate Starts for Asten_7:

(Start: 99 @4049 has 4 MA's), (Start: 108 @4055 has 156 MA's), (123, 4079), (136, 4103), (Start: 166 @4172 has 2 MA's), (184, 4220), (187, 4232), (197, 4271), (249, 4424), (312, 4538), (346, 4580), (364, 4607), (398, 4640), (446, 4736), (449, 4748), (470, 4823), (477, 4841), (520, 4919), (535, 4964), (549, 5021), (623, 5234), (631, 5258), (680, 5390), (726, 5456), (747, 5477),

Gene: Astro_10 Start: 7458, Stop: 8888, Start Num: 75

Candidate Starts for Astro_10:

(Start: 75 @7458 has 72 MA's), (173, 7608), (233, 7755), (288, 7890), (363, 8001), (421, 8064), (440, 8109), (459, 8175), (467, 8202), (484, 8247), (544, 8367), (576, 8469), (601, 8547), (603, 8553), (621, 8604), (662, 8721), (677, 8751), (706, 8805),

Gene: Atiba_9 Start: 2992, Stop: 4545, Start Num: 50

Candidate Starts for Atiba_9:

(31, 2890), (Start: 49 @2977 has 25 MA's), (Start: 50 @2992 has 160 MA's), (128, 3094), (131, 3103), (160, 3175), (Start: 166 @3184 has 2 MA's), (174, 3208), (186, 3241), (188, 3250), (231, 3352), (237, 3373), (247, 3412), (248, 3415), (288, 3478), (294, 3493), (307, 3517), (333, 3568), (351, 3589), (385, 3643), (441, 3763), (452, 3796), (457, 3817), (464, 3838), (473, 3868), (517, 3901), (525, 3919), (541, 3979), (546, 3997), (550, 4009), (552, 4012), (556, 4024), (557, 4027), (573, 4063), (585, 4111), (601, 4162), (607, 4180), (640, 4276), (650, 4297), (661, 4324), (664, 4333), (681, 4369),

Gene: Atkinbua_13 Start: 8654, Stop: 10096, Start Num: 112

Candidate Starts for Atkinbua_13:

(64, 8588), (Start: 112 @8654 has 204 MA's), (195, 8852), (288, 9065), (421, 9260), (422, 9263), (459, 9371), (547, 9566), (561, 9605), (584, 9683), (586, 9689), (601, 9737), (605, 9749), (608, 9758), (639, 9848), (677, 9938), (687, 9971), (696, 9983),

Gene: Attacne_3 Start: 1881, Stop: 3206, Start Num: 106

Candidate Starts for Attacne_3:

(Start: 106 @1881 has 46 MA's), (113, 1887), (118, 1896), (128, 1914), (139, 1935), (157, 1986), (167, 2001), (174, 2019), (180, 2028), (184, 2037), (185, 2040), (190, 2061), (192, 2070), (227, 2130), (237, 2169), (239, 2175), (244, 2196), (246, 2205), (260, 2235), (261, 2238), (304, 2313), (306, 2316), (335,

2355), (338, 2358), (348, 2370), (366, 2382), (415, 2427), (424, 2451), (425, 2454), (430, 2463), (456, 2541), (463, 2565), (474, 2601), (477, 2610), (499, 2652), (506, 2661), (534, 2703), (547, 2748), (550, 2757), (554, 2766), (561, 2787), (576, 2841), (584, 2865), (600, 2916), (608, 2940), (621, 2979), (639, 3036), (648, 3063), (658, 3084), (659, 3087), (662, 3093), (663, 3096), (670, 3111), (678, 3126), (679, 3129), (689, 3159),

Gene: Attoomi_4 Start: 2521, Stop: 3972, Start Num: 101

Candidate Starts for Attoomi_4:

(Start: 101 @2521 has 12 MA's), (118, 2545), (184, 2692), (186, 2701), (190, 2716), (195, 2737), (197, 2743), (231, 2848), (248, 2905), (278, 2956), (286, 2971), (303, 3013), (312, 3028), (316, 3037), (382, 3103), (384, 3106), (403, 3133), (446, 3220), (447, 3223), (449, 3232), (455, 3253), (458, 3265), (477, 3325), (504, 3370), (528, 3430), (541, 3478), (555, 3520), (563, 3547), (567, 3559), (572, 3568), (576, 3592), (580, 3607), (583, 3613), (587, 3625), (606, 3685), (609, 3697), (647, 3790), (655, 3814), (664, 3835), (672, 3850), (680, 3868), (701, 3898), (710, 3910), (719, 3922),

Gene: Audell_8 Start: 6183, Stop: 7661, Start Num: 80

Candidate Starts for Audell_8:

(Start: 80 @6183 has 8 MA's), (151, 6309), (165, 6330), (247, 6555), (249, 6561), (282, 6609), (295, 6645), (370, 6744), (446, 6858), (450, 6873), (461, 6912), (499, 7023), (540, 7098), (546, 7116), (547, 7119), (565, 7173), (576, 7212), (601, 7290), (606, 7305), (656, 7446), (662, 7458), (670, 7476), (694, 7530), (757, 7644),

Gene: AugsMagnumOpus_16 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for AugsMagnumOpus_16:

(Start: 74 @8646 has 530 MA's), (Start: 114 @8676 has 8 MA's), (129, 8703), (174, 8808), (223, 8922), (242, 8988), (265, 9045), (301, 9123), (303, 9126), (421, 9267), (459, 9378), (461, 9384), (467, 9405), (544, 9570), (584, 9696), (601, 9750), (603, 9756), (608, 9771), (621, 9807), (649, 9894), (662, 9924), (677, 9954), (696, 9999), (706, 10008),

Gene: Auspice_15 Start: 6260, Stop: 7882, Start Num: 55

Candidate Starts for Auspice_15:

(Start: 55 @6260 has 21 MA's), (Start: 62 @6275 has 13 MA's), (135, 6383), (142, 6401), (165, 6449), (175, 6482), (181, 6494), (188, 6518), (195, 6545), (197, 6551), (231, 6623), (233, 6629), (241, 6659), (267, 6740), (271, 6746), (273, 6749), (283, 6767), (411, 6923), (421, 6941), (425, 6953), (447, 7001), (463, 7058), (464, 7061), (495, 7130), (533, 7184), (541, 7220), (558, 7271), (560, 7274), (571, 7304), (575, 7313), (593, 7379), (595, 7382), (600, 7403), (601, 7406), (623, 7457), (650, 7544), (709, 7655), (727, 7685), (747, 7721), (751, 7727), (757, 7742), (762, 7754), (777, 7838),

Gene: Auxilium_4 Start: 2263, Stop: 3612, Start Num: 96

Candidate Starts for Auxilium_4:

(44, 2152), (46, 2155), (Start: 55 @2197 has 21 MA's), (60, 2209), (Start: 96 @2263 has 3 MA's), (Start: 111 @2275 has 22 MA's), (138, 2323), (165, 2386), (170, 2398), (277, 2656), (301, 2713), (328, 2761), (415, 2848), (418, 2857), (430, 2884), (457, 2965), (461, 2977), (462, 2980), (468, 3004), (547, 3172), (565, 3226), (584, 3289), (587, 3298), (604, 3352), (619, 3391), (640, 3457), (677, 3538), (681, 3547), (716, 3598),

Gene: AvadaKedavra_5 Start: 2625, Stop: 4298, Start Num: 84

Candidate Starts for AvadaKedavra_5:

(Start: 84 @2625 has 64 MA's), (131, 2688), (150, 2742), (165, 2766), (189, 2835), (195, 2859), (231, 2937), (241, 2973), (286, 3066), (287, 3069), (327, 3144), (372, 3183), (421, 3246), (432, 3273), (433, 3276), (444, 3297), (450, 3318), (462, 3360), (463, 3363), (520, 3465), (526, 3480), (528, 3486), (552, 3567), (561, 3594), (562, 3600), (592, 3693), (600, 3720), (603, 3729), (628, 3783), (633, 3804), (638, 3825), (647, 3852), (650, 3861), (677, 3921), (690, 3951), (698, 3960), (762, 4068), (782, 4263),

Gene: Avani_4 Start: 2180, Stop: 3604, Start Num: 73

Candidate Starts for Avani_4:

(Start: 73 @2180 has 29 MA's), (105, 2213), (140, 2267), (165, 2327), (168, 2336), (184, 2369), (192, 2402), (201, 2432), (228, 2477), (232, 2495), (239, 2519), (241, 2528), (276, 2588), (301, 2648), (307, 2657), (308, 2660), (331, 2693), (350, 2714), (386, 2756), (422, 2795), (427, 2807), (429, 2810), (449, 2867), (450, 2870), (452, 2876), (456, 2891), (465, 2921), (466, 2927), (492, 3005), (534, 3086), (551, 3140), (565, 3185), (571, 3200), (591, 3272), (605, 3317), (607, 3323), (640, 3431), (642, 3440), (645, 3449), (659, 3479), (665, 3494),

Gene: AvatarAhPeg_12 Start: 8542, Stop: 9996, Start Num: 74

Candidate Starts for AvatarAhPeg_12:

(Start: 74 @8542 has 530 MA's), (170, 8692), (174, 8704), (181, 8716), (233, 8851), (239, 8872), (246, 8902), (265, 8941), (276, 8959), (301, 9019), (414, 9148), (421, 9166), (425, 9178), (459, 9277), (461, 9283), (467, 9304), (468, 9310), (496, 9379), (544, 9484), (565, 9547), (584, 9610), (585, 9613), (601, 9664), (603, 9670), (608, 9685), (617, 9715), (647, 9805), (662, 9841), (677, 9871), (685, 9901), (756, 9982),

Gene: Avle17_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Avle17_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Avocado_3 Start: 1932, Stop: 3473, Start Num: 59

Candidate Starts for Avocado_3:

(11, 1458), (16, 1530), (18, 1545), (24, 1674), (Start: 59 @1932 has 72 MA's), (117, 2004), (118, 2007), (136, 2037), (137, 2040), (184, 2148), (201, 2211), (238, 2295), (239, 2298), (281, 2382), (299, 2427), (301, 2433), (312, 2451), (356, 2508), (360, 2514), (422, 2580), (441, 2625), (452, 2661), (461, 2694), (471, 2730), (496, 2799), (506, 2814), (534, 2871), (553, 2931), (651, 3240), (662, 3267), (673, 3291), (679, 3303), (688, 3330),

Gene: Avrafan_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Avrafan_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Awesomesauce_4 Start: 2202, Stop: 3623, Start Num: 108

Candidate Starts for Awesomesauce_4:

(Start: 108 @2202 has 156 MA's), (124, 2229), (131, 2241), (184, 2370), (188, 2388), (190, 2394), (197, 2421), (231, 2490), (241, 2526), (246, 2547), (248, 2553), (271, 2577), (273, 2580), (287, 2607), (308, 2655), (312, 2661), (323, 2688), (336, 2706), (397, 2799), (406, 2817), (421, 2850), (424, 2859), (425, 2862), (447, 2910), (449, 2919), (457, 2949), (463, 2967), (473, 3000), (526, 3057), (550, 3141), (557, 3159), (565, 3186), (571, 3198), (573, 3201), (575, 3207), (576, 3222), (587, 3255), (628, 3360), (650, 3435), (652, 3441), (655, 3450), (660, 3459), (664, 3471), (693, 3534), (728, 3582),

Gene: Axiom_8 Start: 3866, Stop: 5350, Start Num: 108

Candidate Starts for Axiom_8:

(Start: 108 @3866 has 156 MA's), (Start: 166 @3983 has 2 MA's), (184, 4031), (187, 4043), (231, 4175), (314, 4349), (346, 4388), (398, 4448), (444, 4535), (446, 4541), (449, 4553), (477, 4646), (481, 4658), (483, 4664), (535, 4811), (547, 4862), (549, 4868), (631, 5105), (664, 5204), (680, 5237), (710, 5279), (747, 5336),

Gene: Axym_5 Start: 2789, Stop: 4246, Start Num: 115

Candidate Starts for Axym_5:

(Start: 115 @2789 has 54 MA's), (133, 2813), (176, 2924), (180, 2927), (184, 2936), (222, 3017), (244, 3101), (247, 3113), (288, 3182), (391, 3329), (425, 3371), (449, 3434), (454, 3452), (456, 3458), (459, 3470), (461, 3476), (499, 3587), (544, 3704), (554, 3731), (565, 3767), (605, 3896), (607, 3902), (621, 3935), (639, 3992), (640, 3995), (648, 4019), (662, 4049), (685, 4109), (687, 4112), (759, 4223),

Gene: Azira_7 Start: 3686, Stop: 5131, Start Num: 115

Candidate Starts for Azira_7:

(Start: 115 @3686 has 54 MA's), (126, 3698), (129, 3704), (147, 3746), (156, 3776), (190, 3854), (227, 3923), (288, 4070), (412, 4229), (424, 4259), (429, 4268), (454, 4343), (461, 4367), (463, 4373), (495, 4469), (506, 4487), (520, 4517), (534, 4553), (554, 4616), (568, 4661), (596, 4751), (600, 4766), (604, 4778), (607, 4787), (617, 4811), (640, 4880), (656, 4922), (662, 4934), (663, 4937), (693, 5003), (704, 5009),

Gene: Aziz_19 Start: 6859, Stop: 8460, Start Num: 55

Candidate Starts for Aziz_19:

(Start: 55 @6859 has 21 MA's), (165, 7048), (181, 7093), (188, 7117), (195, 7144), (197, 7150), (231, 7222), (233, 7228), (240, 7255), (241, 7258), (271, 7321), (273, 7324), (283, 7342), (364, 7459), (421, 7516), (447, 7576), (449, 7585), (462, 7630), (463, 7633), (464, 7636), (533, 7759), (541, 7795), (558, 7846), (560, 7849), (564, 7867), (571, 7879), (575, 7888), (593, 7954), (595, 7957), (601, 7981), (635, 8071), (650, 8119), (709, 8230), (751, 8302),

Gene: Azrael100_26 Start: 9734, Stop: 11173, Start Num: 87

Candidate Starts for Azrael100_26:

(63, 9701), (Start: 80 @9725 has 8 MA's), (Start: 87 @9734 has 9 MA's), (123, 9785), (131, 9797), (136, 9809), (187, 9941), (188, 9947), (189, 9950), (190, 9953), (195, 9974), (197, 9980), (230, 10040), (231, 10049), (237, 10070), (267, 10148), (411, 10328), (425, 10358), (433, 10376), (441, 10391), (450, 10418), (459, 10451), (463, 10463), (464, 10466), (481, 10511), (516, 10547), (526, 10568), (543, 10631), (561, 10682), (584, 10754), (601, 10808), (604, 10817), (635, 10898), (641, 10928), (660, 10970), (672, 10997), (701, 11048), (709, 11057), (751, 11114), (763, 11153),

Gene: AzulaCat_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for AzulaCat_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: B1_10 Start: 7830, Stop: 9296, Start Num: 75

Candidate Starts for B1_10:

(Start: 75 @7830 has 72 MA's), (117, 7875), (174, 8001), (204, 8085), (233, 8148), (242, 8181), (246, 8199), (265, 8238), (281, 8265), (418, 8454), (452, 8544), (458, 8568), (459, 8571), (461, 8577), (467, 8598), (468, 8604), (544, 8775), (584, 8901), (585, 8904), (601, 8955), (603, 8961), (608, 8976), (617, 9006), (662, 9132), (677, 9162), (687, 9192),

Gene: B22_4 Start: 2407, Stop: 3918, Start Num: 61

Candidate Starts for B22_4:

(Start: 61 @2407 has 4 MA's), (Start: 99 @2461 has 4 MA's), (133, 2506), (145, 2539), (170, 2596), (184, 2629), (196, 2677), (241, 2788), (244, 2800), (257, 2830), (269, 2851), (276, 2854), (279, 2860), (369, 3004), (388, 3025), (424, 3067), (449, 3133), (450, 3136), (453, 3145), (456, 3157), (461, 3175), (501, 3280), (540, 3346), (561, 3406), (565, 3421), (605, 3550), (606, 3553), (607, 3556), (613, 3577), (633, 3625), (636, 3637), (639, 3655), (675, 3739), (682, 3757), (702, 3793),

Gene: BABullseye_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for BABullseye_16:

(Start: 74 @9274 has 530 MA's), (97, 9295), (129, 9334), (167, 9421), (171, 9433), (174, 9439), (288, 9721), (434, 9934), (452, 9985), (459, 10012), (461, 10018), (467, 10039), (608, 10405), (617, 10432), (621, 10441), (640, 10501), (662, 10558), (677, 10588), (685, 10618), (709, 10645),

Gene: BEEST_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for BEEST_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (664, 4411), (681, 4447),

Gene: BENtherdunthat_4 Start: 2191, Stop: 3627, Start Num: 73

Candidate Starts for BENtherdunthat_4:

(Start: 73 @2191 has 29 MA's), (142, 2281), (163, 2332), (165, 2335), (201, 2440), (227, 2482), (235, 2512), (241, 2536), (252, 2569), (410, 2776), (450, 2878), (452, 2884), (458, 2908), (465, 2929), (466, 2935), (475, 2962), (481, 2980), (492, 3013), (518, 3064), (534, 3094), (551, 3148), (561, 3178), (571, 3208), (607, 3331), (637, 3424), (640, 3439), (665, 3502), (694, 3562), (720, 3589),

Gene: BGlluviae_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for BGlluviae_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: BK1_10 Start: 8266, Stop: 9708, Start Num: 112

Candidate Starts for BK1_10:

(64, 8200), (Start: 112 @8266 has 204 MA's), (195, 8464), (288, 8677), (421, 8872), (425, 8884), (459, 8983), (547, 9178), (561, 9217), (584, 9295), (586, 9301), (601, 9349), (605, 9361), (608, 9370), (639, 9460), (677, 9550), (687, 9583), (696, 9595),

Gene: BPBiebs31_13 Start: 8938, Stop: 10380, Start Num: 112

Candidate Starts for BPBiebs31_13:

(64, 8872), (Start: 112 @8938 has 204 MA's), (195, 9136), (288, 9349), (421, 9544), (422, 9547), (459, 9655), (484, 9727), (547, 9850), (561, 9889), (584, 9967), (586, 9973), (601, 10021), (605, 10033), (608, 10042), (639, 10132), (677, 10222), (687, 10255), (696, 10267),

Gene: BPs_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for BPs_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: BQuat_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for BQuat_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Baby16_12 Start: 8587, Stop: 10038, Start Num: 74

Candidate Starts for Baby16_12:

(Start: 74 @8587 has 530 MA's), (170, 8734), (174, 8746), (239, 8914), (246, 8944), (265, 8983), (276, 9001), (301, 9061), (414, 9190), (421, 9208), (459, 9319), (461, 9325), (467, 9346), (468, 9352), (496, 9421), (528, 9481), (544, 9526), (584, 9652), (585, 9655), (601, 9706), (603, 9712), (608, 9727), (617, 9757), (647, 9847), (662, 9883), (667, 9895), (677, 9913), (685, 9943),

Gene: BabyBack_15 Start: 10867, Stop: 12318, Start Num: 74

Candidate Starts for BabyBack_15:

(Start: 74 @10867 has 530 MA's), (97, 10888), (129, 10927), (174, 11032), (288, 11314), (354, 11419), (425, 11506), (452, 11578), (459, 11605), (461, 11611), (467, 11632), (601, 11977), (608, 11998), (617, 12025), (621, 12034), (641, 12100), (662, 12151), (677, 12181), (685, 12211), (706, 12235),

Gene: BabyJohn_11 Start: 8414, Stop: 9880, Start Num: 75

Candidate Starts for BabyJohn_11:

(Start: 75 @8414 has 72 MA's), (117, 8459), (174, 8585), (204, 8669), (233, 8732), (242, 8765), (246, 8783), (265, 8822), (281, 8849), (418, 9038), (435, 9080), (452, 9128), (458, 9152), (459, 9155), (461, 9161), (467, 9182), (468, 9188), (544, 9359), (584, 9485), (585, 9488), (601, 9539), (603, 9545), (608, 9560), (617, 9590), (662, 9716), (677, 9746), (687, 9776),

Gene: BabyMoney_5 Start: 2524, Stop: 3999, Start Num: 111

Candidate Starts for BabyMoney_5:

(Start: 55 @2440 has 21 MA's), (Start: 111 @2524 has 22 MA's), (170, 2647), (187, 2695), (190, 2707), (195, 2728), (231, 2803), (240, 2836), (241, 2839), (242, 2842), (246, 2860), (248, 2866), (254, 2887), (274, 2905), (284, 2923), (299, 2971), (353, 3061), (355, 3064), (447, 3226), (452, 3244), (465, 3289), (473, 3316), (481, 3340), (501, 3397), (509, 3418), (528, 3466), (536, 3490), (571, 3601), (575, 3610), (600, 3700), (616, 3739), (660, 3850), (678, 3889), (703, 3934),

Gene: BabyRay_12 Start: 8427, Stop: 9884, Start Num: 74

Candidate Starts for BabyRay_12:

(Start: 74 @8427 has 530 MA's), (174, 8592), (233, 8739), (242, 8772), (246, 8790), (281, 8856), (350, 8973), (418, 9045), (421, 9051), (452, 9135), (458, 9159), (459, 9162), (461, 9168), (467, 9189), (468, 9195), (496, 9261), (544, 9366), (585, 9495), (601, 9546), (603, 9552), (608, 9567), (662, 9723), (677, 9753), (687, 9783),

Gene: Bachome_13 Start: 9781, Stop: 11238, Start Num: 74

Candidate Starts for Bachome_13:

(Start: 74 @9781 has 530 MA's), (120, 9826), (129, 9841), (174, 9946), (288, 10228), (301, 10261), (425, 10417), (452, 10489), (459, 10516), (461, 10522), (467, 10543), (486, 10594), (592, 10858),

(601, 10888), (608, 10909), (612, 10924), (617, 10936), (621, 10945), (649, 11032), (662, 11062), (677, 11092), (685, 11122), (736, 11188),

Gene: Backyardigan_12 Start: 8587, Stop: 10044, Start Num: 74

Candidate Starts for Backyardigan_12:

(Start: 74 @8587 has 530 MA's), (170, 8737), (174, 8749), (233, 8896), (239, 8917), (246, 8947), (265, 8986), (276, 9004), (301, 9064), (414, 9193), (421, 9211), (425, 9223), (435, 9247), (459, 9322), (461, 9328), (467, 9349), (468, 9355), (528, 9484), (544, 9529), (584, 9655), (585, 9658), (601, 9709), (608, 9730), (617, 9757), (647, 9847), (662, 9883), (667, 9895), (677, 9913), (685, 9943),

Gene: BaconJack_14 Start: 8717, Stop: 10159, Start Num: 112

Candidate Starts for BaconJack_14:

(64, 8651), (Start: 112 @8717 has 204 MA's), (195, 8915), (288, 9128), (421, 9323), (422, 9326), (459, 9434), (484, 9506), (547, 9629), (561, 9668), (584, 9746), (586, 9752), (601, 9800), (605, 9812), (608, 9821), (639, 9911), (677, 10001), (687, 10034), (696, 10046),

Gene: Bactobuster_14 Start: 10971, Stop: 12425, Start Num: 74

Candidate Starts for Bactobuster_14:

(Start: 74 @10971 has 530 MA's), (129, 11031), (174, 11136), (223, 11250), (252, 11346), (288, 11418), (425, 11607), (452, 11679), (459, 11706), (461, 11712), (467, 11733), (486, 11784), (601, 12078), (607, 12096), (617, 12126), (621, 12135), (640, 12195), (649, 12222), (662, 12252), (677, 12282), (685, 12312), (706, 12336),

Gene: Badger_12 Start: 8576, Stop: 10033, Start Num: 74

Candidate Starts for Badger_12:

(Start: 74 @8576 has 530 MA's), (170, 8726), (174, 8738), (233, 8885), (239, 8906), (246, 8936), (265, 8975), (276, 8993), (301, 9053), (414, 9182), (421, 9200), (425, 9212), (435, 9236), (459, 9311), (461, 9317), (467, 9338), (468, 9344), (528, 9473), (544, 9518), (584, 9644), (585, 9647), (601, 9698), (608, 9719), (617, 9746), (647, 9836), (662, 9872), (667, 9884), (677, 9902), (685, 9932),

Gene: Baehexic_14 Start: 9728, Stop: 11188, Start Num: 74

Candidate Starts for Baehexic_14:

(Start: 74 @9728 has 530 MA's), (129, 9788), (170, 9881), (174, 9893), (288, 10175), (301, 10208), (422, 10355), (452, 10436), (459, 10463), (461, 10469), (467, 10490), (565, 10718), (601, 10835), (608, 10856), (617, 10883), (621, 10892), (662, 11009), (677, 11039), (685, 11069), (706, 11093),

Gene: BaghaKamala_9 Start: 2999, Stop: 4555, Start Num: 50

Candidate Starts for BaghaKamala_9:

(31, 2897), (Start: 49 @2984 has 25 MA's), (Start: 50 @2999 has 160 MA's), (128, 3098), (131, 3107), (160, 3179), (Start: 166 @3188 has 2 MA's), (174, 3212), (186, 3245), (188, 3254), (197, 3287), (231, 3356), (237, 3377), (248, 3419), (288, 3485), (294, 3500), (333, 3575), (351, 3596), (385, 3650), (441, 3770), (452, 3803), (457, 3824), (464, 3845), (473, 3875), (517, 3908), (525, 3926), (541, 3986), (546, 4004), (550, 4016), (552, 4019), (556, 4031), (557, 4034), (573, 4070), (585, 4118), (601, 4169), (607, 4187), (640, 4283), (650, 4304), (661, 4331), (664, 4340), (681, 4376), (717, 4430),

Gene: BaileyBlu_3 Start: 1963, Stop: 3396, Start Num: 77

Candidate Starts for BaileyBlu_3:

(Start: 77 @1963 has 21 MA's), (Start: 114 @1993 has 8 MA's), (129, 2020), (184, 2143), (201, 2206), (288, 2392), (421, 2563), (450, 2641), (458, 2671), (468, 2707), (474, 2722), (496, 2785), (529, 2845), (534, 2854), (538, 2872), (540, 2878), (576, 2992), (584, 3016), (605, 3082), (606, 3085), (625, 3130),

Gene: BangNhom_11 Start: 8555, Stop: 10006, Start Num: 74

Candidate Starts for BangNhom_11:

(Start: 74 @8555 has 530 MA's), (174, 8714), (239, 8882), (246, 8912), (265, 8951), (276, 8969), (301, 9029), (414, 9158), (421, 9176), (459, 9287), (461, 9293), (467, 9314), (468, 9320), (496, 9389), (528, 9449), (584, 9620), (585, 9623), (601, 9674), (603, 9680), (608, 9695), (617, 9725), (647, 9815), (662, 9851), (667, 9863), (677, 9881), (685, 9911),

Gene: Baoshan_4 Start: 2470, Stop: 4125, Start Num: 84

Candidate Starts for Baoshan_4:

(Start: 84 @2470 has 64 MA's), (131, 2533), (165, 2611), (189, 2680), (195, 2704), (197, 2710), (231, 2782), (241, 2818), (248, 2845), (278, 2896), (327, 2989), (372, 3028), (418, 3085), (421, 3091), (425, 3103), (430, 3112), (432, 3118), (433, 3121), (444, 3142), (450, 3163), (452, 3169), (463, 3208), (516, 3304), (528, 3331), (561, 3439), (562, 3445), (592, 3538), (600, 3565), (628, 3628), (633, 3649), (638, 3670), (647, 3697), (650, 3706), (677, 3766), (690, 3796), (698, 3805), (704, 3811), (757, 3901), (762, 3913), (767, 3946), (774, 3985), (782, 4090),

Gene: Barkley26_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Barkley26_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Barnstormer_3 Start: 2379, Stop: 3758, Start Num: 104

Candidate Starts for Barnstormer_3:

(3, 1500), (4, 1521), (7, 1644), (20, 1959), (Start: 104 @2379 has 48 MA's), (Start: 166 @2499 has 2 MA's), (465, 3087), (571, 3348), (575, 3357), (628, 3504), (635, 3534), (661, 3609),

Gene: BarrelRoll_9 Start: 3020, Stop: 4573, Start Num: 50

Candidate Starts for BarrelRoll_9:

(31, 2918), (Start: 49 @3005 has 25 MA's), (Start: 50 @3020 has 160 MA's), (128, 3119), (131, 3128), (160, 3200), (Start: 166 @3209 has 2 MA's), (174, 3233), (186, 3266), (188, 3275), (197, 3308), (231, 3377), (237, 3398), (248, 3440), (288, 3506), (294, 3521), (333, 3596), (351, 3617), (385, 3671), (441, 3791), (452, 3824), (457, 3845), (464, 3866), (473, 3896), (517, 3929), (525, 3947), (541, 4007), (546, 4025), (550, 4037), (552, 4040), (556, 4052), (557, 4055), (573, 4091), (585, 4139), (601, 4190), (607, 4208), (640, 4304), (650, 4325), (661, 4352), (664, 4361), (681, 4397),

Gene: Barriga_12 Start: 8542, Stop: 9984, Start Num: 112

Candidate Starts for Barriga_12:

(64, 8476), (Start: 112 @8542 has 204 MA's), (195, 8740), (288, 8953), (421, 9148), (459, 9259), (484, 9331), (547, 9454), (561, 9493), (584, 9571), (586, 9577), (601, 9625), (605, 9637), (608, 9646), (639, 9736), (677, 9826), (687, 9859), (696, 9871),

Gene: BarrowTuph_11 Start: 8589, Stop: 10031, Start Num: 112

Candidate Starts for BarrowTuph_11:

(64, 8523), (Start: 112 @8589 has 204 MA's), (195, 8787), (288, 9000), (421, 9195), (425, 9207), (459, 9306), (484, 9378), (547, 9501), (561, 9540), (584, 9618), (586, 9624), (601, 9672), (605, 9684), (608, 9693), (639, 9783), (677, 9873), (687, 9906), (696, 9918),

Gene: BarryBee_9 Start: 4055, Stop: 5491, Start Num: 108

Candidate Starts for BarryBee_9:

(Start: 99 @4049 has 4 MA's), (Start: 108 @4055 has 156 MA's), (123, 4079), (136, 4103), (Start: 166 @4172 has 2 MA's), (184, 4220), (187, 4232), (197, 4271), (249, 4424), (312, 4538), (346, 4580), (364, 4607), (398, 4640), (401, 4646), (446, 4736), (449, 4748), (470, 4823), (477, 4841), (520, 4919), (535,

4964), (549, 5021), (623, 5234), (631, 5258), (680, 5390), (726, 5456), (747, 5477),

Gene: BartholomewSD_9 Start: 4026, Stop: 5492, Start Num: 108

Candidate Starts for BartholomewSD_9:

(Start: 108 @4026 has 156 MA's), (Start: 166 @4137 has 2 MA's), (184, 4185), (187, 4197), (197, 4236), (231, 4326), (312, 4497), (314, 4500), (325, 4521), (346, 4539), (364, 4566), (446, 4692), (449, 4704), (470, 4779), (477, 4797), (483, 4815), (486, 4824), (513, 4905), (535, 4962), (547, 5013), (549, 5019), (566, 5070), (607, 5199), (631, 5256), (661, 5346), (664, 5355), (736, 5460), (747, 5478),

Gene: Bartimeaus_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Bartimeaus_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Battleship_16 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for Battleship_16:

(Start: 74 @8502 has 530 MA's), (129, 8562), (174, 8667), (196, 8733), (271, 8916), (288, 8949), (301, 8982), (452, 9213), (459, 9240), (461, 9246), (467, 9267), (474, 9288), (486, 9318), (501, 9342), (544, 9432), (555, 9462), (584, 9558), (593, 9585), (601, 9612), (607, 9630), (608, 9633), (617, 9666), (621, 9675), (662, 9792), (677, 9822), (706, 9876),

Gene: Baudelaire_5 Start: 2394, Stop: 3842, Start Num: 74

Candidate Starts for Baudelaire_5:

(66, 2379), (Start: 74 @2394 has 530 MA's), (90, 2415), (94, 2421), (144, 2505), (176, 2586), (181, 2595), (187, 2613), (188, 2619), (189, 2622), (197, 2652), (229, 2712), (231, 2724), (237, 2745), (241, 2760), (247, 2784), (252, 2805), (273, 2829), (309, 2904), (313, 2910), (327, 2931), (372, 2970), (412, 3006), (421, 3027), (430, 3048), (432, 3054), (433, 3057), (437, 3063), (461, 3138), (480, 3198), (555, 3354), (561, 3372), (564, 3384), (565, 3387), (571, 3399), (575, 3408), (576, 3423), (592, 3471), (601, 3501), (603, 3507), (647, 3630), (648, 3633), (650, 3639), (661, 3666), (672, 3690), (677, 3699), (682, 3714), (690, 3729), (695, 3735), (698, 3738), (701, 3741),

Gene: Bauer_5 Start: 3001, Stop: 4440, Start Num: 80

Candidate Starts for Bauer_5:

(Start: 80 @3001 has 8 MA's), (92, 3016), (129, 3061), (146, 3100), (149, 3115), (175, 3166), (184, 3184), (190, 3208), (215, 3268), (236, 3325), (244, 3355), (314, 3490), (322, 3508), (371, 3547), (450, 3673), (454, 3688), (458, 3703), (474, 3754), (494, 3811), (546, 3931), (554, 3952), (555, 3955), (562, 3979), (581, 4051), (589, 4072), (594, 4087), (596, 4096), (601, 4114), (605, 4123), (612, 4150), (621, 4171), (630, 4186), (640, 4231), (656, 4270), (659, 4276), (665, 4291), (678, 4315), (726, 4396),

Gene: Bavilard_5 Start: 3352, Stop: 4785, Start Num: 115

Candidate Starts for Bavilard_5:

(Start: 115 @3352 has 54 MA's), (133, 3376), (190, 3520), (191, 3526), (213, 3562), (228, 3598), (232, 3616), (241, 3649), (247, 3673), (288, 3742), (301, 3775), (425, 3931), (446, 3982), (454, 4012), (461, 4036), (474, 4078), (499, 4147), (509, 4165), (530, 4213), (554, 4285), (607, 4456), (621, 4489), (640, 4549), (647, 4570), (662, 4603), (685, 4663), (687, 4666), (759, 4777),

Gene: Bazzle_5 Start: 2579, Stop: 4234, Start Num: 84

Candidate Starts for Bazzle_5:

(Start: 84 @2579 has 64 MA's), (131, 2642), (137, 2657), (144, 2675), (165, 2720), (189, 2789), (195, 2813), (197, 2819), (231, 2891), (241, 2927), (248, 2954), (278, 3005), (327, 3098), (372, 3137), (418, 3194), (421, 3200), (425, 3212), (430, 3221), (432, 3227), (433, 3230), (444, 3251), (450, 3272), (452,

3278), (463, 3317), (480, 3371), (528, 3440), (561, 3548), (562, 3554), (592, 3647), (600, 3674), (628, 3737), (633, 3758), (638, 3779), (647, 3806), (650, 3815), (677, 3875), (690, 3905), (698, 3914), (704, 3920), (757, 4010), (762, 4022), (767, 4055), (774, 4094), (782, 4199),

Gene: Beakin_4 Start: 2199, Stop: 3623, Start Num: 108

Candidate Starts for Beakin_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3057), (550, 3141), (557, 3159), (565, 3186), (571, 3198), (573, 3201), (575, 3207), (576, 3222), (587, 3255), (628, 3360), (650, 3435), (652, 3441), (655, 3450), (660, 3459), (664, 3471), (693, 3534), (728, 3582),

Gene: BearBQ_3 Start: 2144, Stop: 3622, Start Num: 62

Candidate Starts for BearBQ_3:

(Start: 62 @2144 has 13 MA's), (92, 2177), (Start: 100 @2186 has 21 MA's), (129, 2225), (140, 2246), (141, 2249), (142, 2252), (180, 2342), (184, 2351), (185, 2354), (226, 2441), (227, 2444), (241, 2498), (259, 2546), (269, 2561), (281, 2573), (289, 2597), (308, 2636), (350, 2687), (363, 2705), (391, 2735), (408, 2738), (418, 2759), (422, 2768), (429, 2783), (430, 2786), (440, 2810), (458, 2873), (461, 2882), (475, 2927), (481, 2945), (486, 2954), (517, 3023), (532, 3065), (568, 3179), (584, 3233), (596, 3269), (607, 3305), (621, 3344), (628, 3350), (647, 3425), (648, 3428), (656, 3446), (730, 3569),

Gene: BeardedLady_8 Start: 4328, Stop: 5770, Start Num: 108

Candidate Starts for BeardedLady_8:

(Start: 96 @4319 has 3 MA's), (Start: 99 @4322 has 4 MA's), (Start: 108 @4328 has 156 MA's), (Start: 166 @4445 has 2 MA's), (184, 4493), (312, 4811), (346, 4853), (364, 4880), (398, 4913), (446, 5006), (449, 5018), (477, 5111), (520, 5189), (535, 5234), (549, 5291), (558, 5315), (631, 5528), (747, 5756),

Gene: Beatrix_11 Start: 9382, Stop: 10824, Start Num: 112

Candidate Starts for Beatrix_11:

(64, 9316), (Start: 112 @9382 has 204 MA's), (195, 9580), (288, 9793), (421, 9988), (425, 10000), (459, 10099), (547, 10294), (561, 10333), (584, 10411), (586, 10417), (601, 10465), (605, 10477), (608, 10486), (639, 10576), (677, 10666), (687, 10699), (696, 10711),

Gene: Beaupre_3 Start: 2307, Stop: 3875, Start Num: 101

Candidate Starts for Beaupre_3:

(Start: 101 @2307 has 12 MA's), (Start: 166 @2433 has 2 MA's), (246, 2658), (266, 2694), (273, 2703), (283, 2721), (318, 2796), (351, 2820), (421, 2925), (555, 3240), (561, 3258), (565, 3273), (566, 3276), (647, 3516), (745, 3690), (775, 3804),

Gene: Beauxregard13_14 Start: 8654, Stop: 10108, Start Num: 74

Candidate Starts for Beauxregard13_14:

(Start: 74 @8654 has 530 MA's), (Start: 114 @8684 has 8 MA's), (129, 8711), (174, 8816), (223, 8930), (242, 8996), (265, 9053), (301, 9131), (303, 9134), (421, 9275), (459, 9386), (461, 9392), (467, 9413), (544, 9578), (584, 9704), (601, 9758), (603, 9764), (608, 9779), (621, 9815), (649, 9902), (662, 9932), (677, 9962), (696, 10007), (706, 10016),

Gene: BeeGee_3 Start: 2281, Stop: 3729, Start Num: 77

Candidate Starts for BeeGee_3:

(35, 2128), (Start: 77 @2281 has 21 MA's), (183, 2467), (191, 2500), (202, 2533), (223, 2557), (237, 2605), (360, 2815), (422, 2884), (425, 2893), (458, 2989), (461, 2998), (497, 3100), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3676),

Gene: Beelzebub_40 Start: 13158, Stop: 14723, Start Num: 48

Candidate Starts for Beelzebub_40:

(Start: 48 @13158 has 17 MA's), (119, 13275), (172, 13395), (190, 13440), (192, 13449), (233, 13539), (245, 13587), (246, 13590), (277, 13632), (281, 13635), (289, 13659), (334, 13731), (337, 13734), (367, 13773), (384, 13794), (386, 13797), (424, 13842), (456, 13932), (458, 13941), (461, 13950), (474, 13992), (475, 13995), (488, 14034), (510, 14076), (512, 14082), (514, 14085), (532, 14130), (554, 14199), (584, 14298), (588, 14310), (622, 14409), (641, 14475), (651, 14496), (656, 14511), (706, 14604), (717, 14619),

Gene: Beemo_14 Start: 9927, Stop: 11414, Start Num: 74

Candidate Starts for Beemo_14:

(Start: 74 @9927 has 530 MA's), (129, 9990), (174, 10095), (197, 10164), (252, 10305), (271, 10344), (288, 10377), (301, 10410), (315, 10431), (421, 10554), (435, 10590), (440, 10599), (452, 10638), (459, 10665), (461, 10671), (467, 10692), (486, 10743), (501, 10767), (511, 10782), (601, 11037), (607, 11055), (617, 11085), (619, 11088), (621, 11094), (659, 11205), (662, 11211), (677, 11241), (696, 11286), (706, 11295),

Gene: BeesKnees_13 Start: 8740, Stop: 10182, Start Num: 112

Candidate Starts for BeesKnees_13:

(64, 8674), (Start: 112 @8740 has 204 MA's), (195, 8938), (288, 9151), (421, 9346), (425, 9358), (459, 9457), (484, 9529), (547, 9652), (561, 9691), (584, 9769), (586, 9775), (601, 9823), (605, 9835), (608, 9844), (621, 9877), (639, 9934), (677, 10024), (687, 10057), (696, 10069),

Gene: Beezoo_9 Start: 3049, Stop: 4605, Start Num: 50

Candidate Starts for Beezoo_9:

(31, 2947), (Start: 49 @3034 has 25 MA's), (Start: 50 @3049 has 160 MA's), (128, 3148), (131, 3157), (160, 3229), (Start: 166 @3238 has 2 MA's), (174, 3262), (181, 3280), (186, 3295), (188, 3304), (197, 3337), (231, 3406), (237, 3427), (248, 3469), (288, 3535), (333, 3625), (351, 3646), (385, 3700), (441, 3820), (452, 3853), (457, 3874), (464, 3895), (473, 3925), (517, 3958), (525, 3976), (541, 4036), (546, 4054), (550, 4066), (552, 4069), (556, 4081), (557, 4084), (573, 4120), (585, 4168), (601, 4219), (607, 4237), (640, 4333), (650, 4354), (661, 4381), (664, 4390), (681, 4426),

Gene: Belenaria_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Belenaria_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Bella96_9 Start: 2978, Stop: 4525, Start Num: 50

Candidate Starts for Bella96_9:

(31, 2876), (Start: 49 @2963 has 25 MA's), (Start: 50 @2978 has 160 MA's), (128, 3074), (131, 3083), (135, 3092), (160, 3155), (Start: 166 @3164 has 2 MA's), (174, 3188), (186, 3221), (197, 3263), (231, 3332), (237, 3353), (246, 3389), (288, 3458), (291, 3470), (333, 3548), (351, 3569), (370, 3599), (385, 3623), (441, 3743), (452, 3776), (457, 3797), (464, 3818), (473, 3848), (517, 3881), (525, 3899), (546, 3977), (550, 3989), (552, 3992), (556, 4004), (557, 4007), (573, 4043), (585, 4091), (601, 4142), (607, 4160), (640, 4256), (650, 4277), (661, 4304), (664, 4313), (717, 4403),

Gene: Belladonna_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Belladonna_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231,

3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Bellis_6 Start: 2752, Stop: 4395, Start Num: 84

Candidate Starts for Bellis_6:

(Start: 84 @2752 has 64 MA's), (128, 2812), (189, 2962), (197, 2992), (231, 3064), (249, 3130), (278, 3178), (327, 3271), (372, 3310), (418, 3367), (421, 3373), (432, 3400), (437, 3409), (444, 3424), (528, 3613), (538, 3646), (548, 3685), (562, 3727), (628, 3910), (638, 3952), (647, 3979), (650, 3988), (677, 4048), (690, 4078), (698, 4087), (747, 4162), (762, 4195),

Gene: BellusTerra_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for BellusTerra_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: BenchScraper_4 Start: 2275, Stop: 3612, Start Num: 111

Candidate Starts for BenchScraper_4:

(44, 2152), (46, 2155), (Start: 55 @2197 has 21 MA's), (60, 2209), (Start: 96 @2263 has 3 MA's), (Start: 111 @2275 has 22 MA's), (138, 2323), (165, 2386), (170, 2398), (277, 2656), (301, 2713), (328, 2761), (415, 2848), (418, 2857), (430, 2884), (457, 2965), (461, 2977), (462, 2980), (468, 3004), (485, 3046), (547, 3172), (565, 3226), (584, 3289), (587, 3298), (604, 3352), (619, 3391), (640, 3457), (677, 3538), (681, 3547), (716, 3598),

Gene: Benedict_10 Start: 7766, Stop: 9199, Start Num: 75

Candidate Starts for Benedict_10:

(Start: 75 @7766 has 72 MA's), (167, 7895), (185, 7934), (188, 7949), (252, 8123), (265, 8150), (363, 8309), (422, 8375), (424, 8381), (425, 8384), (452, 8456), (461, 8489), (467, 8510), (473, 8528), (477, 8540), (584, 8801), (601, 8855), (607, 8873), (621, 8912), (662, 9029), (677, 9059), (685, 9089), (696, 9104), (706, 9113),

Gene: BengiVuitton_14 Start: 9652, Stop: 11112, Start Num: 74

Candidate Starts for BengiVuitton_14:

(Start: 74 @9652 has 530 MA's), (129, 9712), (174, 9817), (281, 10081), (288, 10099), (301, 10132), (388, 10243), (459, 10387), (461, 10393), (467, 10414), (468, 10420), (486, 10465), (555, 10609), (583, 10702), (592, 10729), (601, 10759), (607, 10777), (608, 10780), (617, 10807), (621, 10816), (662, 10933), (669, 10948), (677, 10963), (685, 10993), (706, 11017),

Gene: Benvolio_13 Start: 9325, Stop: 10788, Start Num: 74

Candidate Starts for Benvolio_13:

(Start: 74 @9325 has 530 MA's), (129, 9385), (174, 9490), (281, 9754), (288, 9772), (301, 9805), (305, 9811), (459, 10060), (461, 10066), (467, 10087), (468, 10093), (486, 10138), (555, 10282), (584, 10378), (601, 10432), (607, 10450), (608, 10453), (617, 10480), (621, 10489), (662, 10606), (669, 10621), (677, 10636), (685, 10666), (706, 10690),

Gene: Bern_10 Start: 3001, Stop: 4563, Start Num: 49

Candidate Starts for Bern_10:

(14, 2605), (23, 2773), (31, 2914), (Start: 49 @3001 has 25 MA's), (Start: 50 @3016 has 160 MA's), (128, 3112), (131, 3121), (Start: 166 @3202 has 2 MA's), (174, 3226), (186, 3259), (188, 3268), (197, 3301), (231, 3370), (294, 3511), (333, 3586), (351, 3607), (370, 3637), (425, 3748), (441, 3781), (452,

3814), (457, 3835), (464, 3856), (473, 3886), (517, 3919), (525, 3937), (546, 4015), (550, 4027), (552, 4030), (556, 4042), (557, 4045), (573, 4081), (585, 4129), (601, 4180), (607, 4198), (640, 4294), (650, 4315), (661, 4342), (664, 4351), (681, 4387),

Gene: Bernal13_4 Start: 2624, Stop: 4189, Start Num: 53

Candidate Starts for Bernal13_4:

(39, 2567), (40, 2576), (42, 2579), (Start: 53 @2624 has 7 MA's), (60, 2642), (Start: 121 @2732 has 1 MA's), (127, 2741), (133, 2753), (184, 2870), (198, 2924), (204, 2936), (214, 2960), (243, 3035), (246, 3050), (253, 3062), (259, 3074), (288, 3113), (354, 3230), (362, 3239), (368, 3248), (418, 3296), (427, 3317), (445, 3362), (446, 3365), (459, 3413), (469, 3449), (495, 3506), (529, 3563), (555, 3647), (561, 3665), (578, 3728), (592, 3770), (601, 3800), (647, 3932), (668, 3983), (696, 4046), (705, 4055),

Gene: Berrie_3 Start: 2262, Stop: 3638, Start Num: 104

Candidate Starts for Berrie_3:

(19, 1836), (34, 2082), (Start: 104 @2262 has 48 MA's), (Start: 166 @2382 has 2 MA's), (197, 2481), (318, 2745), (478, 3018), (555, 3177), (573, 3225), (579, 3255), (587, 3279), (647, 3453), (650, 3462), (710, 3573),

Gene: Bethlehem_12 Start: 9968, Stop: 11410, Start Num: 112

Candidate Starts for Bethlehem_12:

(64, 9902), (Start: 112 @9968 has 204 MA's), (195, 10166), (288, 10379), (421, 10574), (425, 10586), (459, 10685), (484, 10757), (547, 10880), (561, 10919), (584, 10997), (586, 11003), (601, 11051), (605, 11063), (608, 11072), (621, 11105), (639, 11162), (677, 11252), (687, 11285), (696, 11297),

Gene: Bexan_11 Start: 9382, Stop: 10824, Start Num: 112

Candidate Starts for Bexan_11:

(64, 9316), (Start: 112 @9382 has 204 MA's), (195, 9580), (288, 9793), (421, 9988), (425, 10000), (459, 10099), (547, 10294), (561, 10333), (584, 10411), (586, 10417), (601, 10465), (605, 10477), (608, 10486), (639, 10576), (677, 10666), (687, 10699), (696, 10711),

Gene: Bhageatrice_6 Start: 3470, Stop: 4807, Start Num: 111

Candidate Starts for Bhageatrice_6:

(44, 3350), (46, 3353), (54, 3392), (Start: 55 @3395 has 21 MA's), (60, 3407), (Start: 84 @3443 has 64 MA's), (Start: 96 @3458 has 3 MA's), (Start: 111 @3470 has 22 MA's), (138, 3518), (165, 3581), (170, 3593), (277, 3851), (301, 3908), (328, 3956), (418, 4052), (425, 4070), (430, 4079), (457, 4160), (461, 4172), (462, 4175), (468, 4199), (485, 4241), (547, 4367), (565, 4421), (584, 4484), (600, 4535), (604, 4547), (619, 4586), (640, 4652), (677, 4733), (678, 4736), (681, 4742), (716, 4793),

Gene: BiancaTri92_15 Start: 11002, Stop: 12465, Start Num: 74

Candidate Starts for BiancaTri92_15:

(Start: 74 @11002 has 530 MA's), (129, 11062), (174, 11167), (246, 11365), (288, 11449), (301, 11482), (452, 11710), (459, 11737), (461, 11743), (467, 11764), (486, 11815), (601, 12109), (607, 12127), (608, 12130), (617, 12157), (621, 12166), (662, 12283), (677, 12313), (685, 12343), (706, 12367),

Gene: Big3_12 Start: 9325, Stop: 10767, Start Num: 112

Candidate Starts for Big3_12:

(64, 9259), (Start: 112 @9325 has 204 MA's), (195, 9523), (288, 9736), (421, 9931), (422, 9934), (459, 10042), (547, 10237), (561, 10276), (584, 10354), (586, 10360), (601, 10408), (605, 10420), (608, 10429), (639, 10519), (677, 10609), (687, 10642), (696, 10654),

Gene: BigCheese_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for BigCheese_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: BigChungus_4 Start: 2601, Stop: 4034, Start Num: 115

Candidate Starts for BigChungus_4:

(Start: 115 @2601 has 54 MA's), (133, 2625), (142, 2649), (190, 2769), (191, 2775), (213, 2811), (228, 2847), (232, 2865), (241, 2898), (247, 2922), (288, 2991), (301, 3024), (425, 3180), (446, 3231), (454, 3261), (461, 3285), (474, 3327), (499, 3396), (530, 3462), (554, 3534), (565, 3570), (607, 3705), (621, 3738), (640, 3798), (647, 3819), (662, 3852), (685, 3912), (687, 3915), (759, 4026),

Gene: BigMau_14 Start: 8906, Stop: 10348, Start Num: 112

Candidate Starts for BigMau_14:

(64, 8840), (Start: 112 @8906 has 204 MA's), (195, 9104), (288, 9317), (421, 9512), (422, 9515), (459, 9623), (484, 9695), (547, 9818), (561, 9857), (584, 9935), (586, 9941), (601, 9989), (605, 10001), (608, 10010), (639, 10100), (677, 10190), (687, 10223), (696, 10235),

Gene: BigPaolini_13 Start: 9331, Stop: 10773, Start Num: 112

Candidate Starts for BigPaolini_13:

(64, 9265), (Start: 112 @9331 has 204 MA's), (195, 9529), (288, 9742), (421, 9937), (425, 9949), (459, 10048), (547, 10243), (561, 10282), (584, 10360), (586, 10366), (601, 10414), (605, 10426), (608, 10435), (621, 10468), (677, 10615), (687, 10648), (696, 10660),

Gene: BigPhil_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for BigPhil_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Bigchungj_12 Start: 8409, Stop: 9851, Start Num: 112

Candidate Starts for Bigchungj_12:

(64, 8343), (Start: 112 @8409 has 204 MA's), (195, 8607), (288, 8820), (421, 9015), (459, 9126), (484, 9198), (547, 9321), (561, 9360), (584, 9438), (586, 9444), (601, 9492), (605, 9504), (608, 9513), (639, 9603), (677, 9693), (687, 9726), (696, 9738),

Gene: Bigflo_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for Bigflo_14:

(Start: 74 @8652 has 530 MA's), (Start: 114 @8682 has 8 MA's), (129, 8709), (174, 8814), (223, 8928), (242, 8994), (265, 9051), (301, 9129), (303, 9132), (421, 9273), (459, 9384), (461, 9390), (467, 9411), (544, 9576), (584, 9702), (601, 9756), (603, 9762), (608, 9777), (621, 9813), (649, 9900), (662, 9930), (677, 9960), (696, 10005), (706, 10014),

Gene: Bigfoot_11 Start: 8430, Stop: 9872, Start Num: 112

Candidate Starts for Bigfoot_11:

(64, 8364), (Start: 112 @8430 has 204 MA's), (195, 8628), (288, 8841), (421, 9036), (425, 9048), (459, 9147), (547, 9342), (561, 9381), (584, 9459), (586, 9465), (601, 9513), (605, 9525), (608, 9534), (639, 9624), (677, 9714), (687, 9747), (696, 9759),

Gene: Biglebops_5 Start: 2283, Stop: 3839, Start Num: 50

Candidate Starts for Biglebops_5:

(29, 2157), (31, 2178), (Start: 49 @2268 has 25 MA's), (Start: 50 @2283 has 160 MA's), (109, 2352), (119, 2367), (131, 2388), (Start: 166 @2469 has 2 MA's), (174, 2493), (186, 2526), (195, 2562), (231, 2637), (237, 2658), (241, 2673), (294, 2778), (327, 2844), (351, 2874), (383, 2928), (404, 2970), (421, 3006), (425, 3018), (441, 3051), (452, 3084), (464, 3126), (473, 3156), (517, 3189), (525, 3207), (526, 3213), (541, 3267), (546, 3285), (550, 3297), (556, 3312), (557, 3315), (569, 3348), (600, 3447), (601, 3450), (607, 3468), (628, 3510), (639, 3561), (640, 3564), (650, 3585), (660, 3609), (661, 3612), (664, 3621), (681, 3657), (684, 3672), (701, 3693),

Gene: BillDoor_7 Start: 2791, Stop: 4245, Start Num: 115

Candidate Starts for BillDoor_7:

(Start: 115 @2791 has 54 MA's), (133, 2815), (180, 2929), (184, 2938), (222, 3019), (227, 3037), (244, 3103), (288, 3184), (391, 3331), (425, 3373), (446, 3424), (454, 3454), (459, 3472), (461, 3478), (544, 3706), (554, 3733), (565, 3769), (591, 3853), (598, 3877), (648, 4021), (656, 4039), (662, 4051), (663, 4054), (685, 4111), (687, 4114), (759, 4222),

Gene: BillKnuckles_13 Start: 9350, Stop: 10816, Start Num: 75

Candidate Starts for BillKnuckles_13:

(Start: 75 @9350 has 72 MA's), (174, 9500), (252, 9740), (281, 9794), (291, 9824), (301, 9845), (363, 9926), (421, 9989), (459, 10100), (461, 10106), (467, 10127), (501, 10202), (511, 10217), (565, 10358), (601, 10475), (607, 10493), (621, 10532), (662, 10649), (677, 10679), (681, 10691),

Gene: BillyTP_4 Start: 2275, Stop: 3606, Start Num: 111

Candidate Starts for BillyTP_4:

(Start: 96 @2263 has 3 MA's), (Start: 111 @2275 has 22 MA's), (117, 2284), (165, 2386), (170, 2398), (227, 2539), (239, 2584), (243, 2599), (248, 2620), (281, 2656), (288, 2674), (328, 2755), (365, 2800), (430, 2878), (457, 2959), (461, 2971), (462, 2974), (468, 2998), (485, 3040), (542, 3151), (547, 3166), (559, 3196), (587, 3292), (649, 3472), (677, 3532), (678, 3535), (681, 3541), (716, 3592),

Gene: Bimmel_47 Start: 26950, Stop: 28374, Start Num: 91

Candidate Starts for Bimmel_47:

(Start: 91 @26950 has 1 MA's), (157, 27082), (190, 27163), (195, 27184), (205, 27205), (241, 27298), (248, 27325), (270, 27379), (458, 27655), (463, 27670), (476, 27706), (507, 27769), (529, 27802), (544, 27844), (546, 27850), (549, 27859), (555, 27874), (566, 27913), (591, 27991), (592, 27994), (601, 28024), (607, 28042), (608, 28045), (643, 28147), (677, 28222), (684, 28249), (688, 28255),

Gene: Bircsak_12 Start: 8891, Stop: 10333, Start Num: 112

Candidate Starts for Bircsak_12:

(64, 8825), (Start: 112 @8891 has 204 MA's), (195, 9089), (288, 9302), (421, 9497), (425, 9509), (459, 9608), (547, 9803), (561, 9842), (584, 9920), (586, 9926), (600, 9971), (601, 9974), (605, 9986), (608, 9995), (639, 10085), (677, 10175), (687, 10208), (696, 10220),

Gene: Birdsong_3 Start: 2144, Stop: 3622, Start Num: 62

Candidate Starts for Birdsong_3:

(Start: 62 @2144 has 13 MA's), (92, 2177), (Start: 100 @2186 has 21 MA's), (129, 2225), (140, 2246), (141, 2249), (142, 2252), (180, 2342), (184, 2351), (185, 2354), (226, 2441), (227, 2444), (241, 2498), (259, 2546), (269, 2561), (281, 2573), (289, 2597), (308, 2636), (350, 2687), (363, 2705), (391, 2735), (408, 2738), (418, 2759), (422, 2768), (429, 2783), (430, 2786), (440, 2810), (458, 2873), (461, 2882), (475, 2927), (481, 2945), (486, 2954), (517, 3023), (532, 3065), (568, 3179), (584, 3233), (596, 3269), (607, 3305), (621, 3344), (628, 3350), (647, 3425), (648, 3428), (656, 3446), (730, 3569),

Gene: Biskit_6 Start: 2786, Stop: 4240, Start Num: 115

Candidate Starts for Biskit_6:

(Start: 115 @2786 has 54 MA's), (133, 2810), (180, 2924), (184, 2933), (242, 3089), (244, 3098), (288, 3179), (391, 3326), (425, 3368), (454, 3449), (459, 3467), (461, 3473), (498, 3581), (544, 3701), (554, 3728), (565, 3764), (598, 3872), (605, 3893), (648, 4016), (662, 4046), (685, 4106), (687, 4109), (759, 4217),

Gene: BlackSpider_3 Start: 2013, Stop: 3449, Start Num: 80

Candidate Starts for BlackSpider_3:

(Start: 73 @2004 has 29 MA's), (Start: 80 @2013 has 8 MA's), (116, 2049), (129, 2073), (175, 2178), (184, 2196), (190, 2220), (215, 2280), (236, 2337), (244, 2367), (277, 2424), (312, 2499), (450, 2685), (454, 2700), (456, 2706), (458, 2715), (533, 2898), (536, 2910), (546, 2943), (554, 2964), (555, 2967), (581, 3063), (585, 3072), (594, 3099), (605, 3135), (612, 3162), (621, 3183), (630, 3198), (659, 3288), (678, 3327), (707, 3378), (726, 3408), (739, 3432),

Gene: Blackbeetle_36 Start: 12177, Stop: 13742, Start Num: 48

Candidate Starts for Blackbeetle_36:

(Start: 48 @12177 has 17 MA's), (119, 12294), (172, 12414), (190, 12459), (192, 12468), (233, 12558), (245, 12606), (246, 12609), (277, 12651), (281, 12654), (289, 12678), (334, 12750), (337, 12753), (367, 12792), (384, 12813), (386, 12816), (424, 12861), (456, 12951), (458, 12960), (461, 12969), (474, 13011), (475, 13014), (488, 13053), (510, 13095), (512, 13101), (514, 13104), (532, 13149), (554, 13218), (584, 13317), (588, 13329), (622, 13428), (641, 13494), (651, 13515), (656, 13530), (706, 13623), (717, 13638),

Gene: Blackmoor_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Blackmoor_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Blarby_5 Start: 2705, Stop: 4129, Start Num: 73

Candidate Starts for Blarby_5:

(Start: 73 @2705 has 29 MA's), (105, 2738), (140, 2792), (165, 2852), (168, 2861), (192, 2927), (201, 2957), (227, 2999), (228, 3002), (232, 3020), (239, 3044), (241, 3053), (276, 3113), (301, 3173), (307, 3182), (308, 3185), (331, 3218), (350, 3239), (386, 3281), (422, 3320), (427, 3332), (429, 3335), (449, 3392), (450, 3395), (452, 3401), (456, 3416), (465, 3446), (466, 3452), (492, 3530), (534, 3611), (551, 3665), (565, 3710), (571, 3725), (591, 3797), (605, 3842), (607, 3848), (640, 3956), (642, 3965), (645, 3974), (659, 4004), (665, 4019), (679, 4046),

Gene: BlessJoy_16 Start: 9265, Stop: 10731, Start Num: 74

Candidate Starts for BlessJoy_16:

(Start: 74 @9265 has 530 MA's), (97, 9286), (129, 9325), (167, 9412), (171, 9424), (174, 9430), (288, 9712), (315, 9766), (434, 9925), (452, 9976), (459, 10003), (461, 10009), (467, 10030), (518, 10132), (561, 10243), (608, 10396), (612, 10411), (617, 10423), (621, 10432), (641, 10498), (649, 10519), (662, 10549), (677, 10579), (685, 10609),

Gene: Blinn1_16 Start: 9317, Stop: 10780, Start Num: 74

Candidate Starts for Blinn1_16:

(Start: 74 @9317 has 530 MA's), (97, 9338), (129, 9377), (167, 9464), (171, 9476), (174, 9482), (288, 9764), (434, 9977), (452, 10028), (459, 10055), (461, 10061), (467, 10082), (608, 10448), (617, 10475), (621, 10484), (640, 10544), (662, 10601), (677, 10631), (685, 10661), (706, 10685), (709, 10688),

Gene: Blizzard_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Blizzard_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Blondies_5 Start: 2787, Stop: 4241, Start Num: 115

Candidate Starts for Blondies_5:

(Start: 115 @2787 has 54 MA's), (133, 2811), (180, 2925), (184, 2934), (242, 3090), (244, 3099), (288, 3180), (425, 3369), (454, 3450), (459, 3468), (461, 3474), (544, 3702), (554, 3729), (565, 3765), (598, 3873), (605, 3894), (648, 4017), (662, 4047), (685, 4107), (687, 4110), (759, 4218),

Gene: BluSpix_12 Start: 8690, Stop: 10132, Start Num: 112

Candidate Starts for BluSpix_12:

(64, 8624), (Start: 112 @8690 has 204 MA's), (195, 8888), (288, 9101), (421, 9296), (459, 9407), (484, 9479), (547, 9602), (561, 9641), (584, 9719), (586, 9725), (601, 9773), (605, 9785), (608, 9794), (639, 9884), (677, 9974), (687, 10007), (696, 10019),

Gene: Blue_12 Start: 8797, Stop: 10239, Start Num: 112

Candidate Starts for Blue_12:

(64, 8731), (Start: 112 @8797 has 204 MA's), (195, 8995), (288, 9208), (421, 9403), (425, 9415), (459, 9514), (484, 9586), (547, 9709), (561, 9748), (584, 9826), (586, 9832), (601, 9880), (605, 9892), (608, 9901), (639, 9991), (677, 10081), (687, 10114), (696, 10126),

Gene: Blue7_16 Start: 9258, Stop: 10724, Start Num: 74

Candidate Starts for Blue7_16:

(Start: 74 @9258 has 530 MA's), (97, 9279), (129, 9318), (167, 9405), (171, 9417), (174, 9423), (288, 9705), (315, 9759), (434, 9918), (452, 9969), (459, 9996), (461, 10002), (467, 10023), (561, 10236), (608, 10389), (612, 10404), (617, 10416), (621, 10425), (641, 10491), (649, 10512), (662, 10542), (677, 10572), (685, 10602),

Gene: BlueBird_13 Start: 8193, Stop: 9659, Start Num: 75

Candidate Starts for BlueBird_13:

(Start: 75 @8193 has 72 MA's), (174, 8364), (204, 8448), (233, 8511), (242, 8544), (246, 8562), (265, 8601), (281, 8628), (300, 8676), (418, 8817), (422, 8826), (452, 8907), (458, 8931), (459, 8934), (461, 8940), (466, 8958), (467, 8961), (468, 8967), (544, 9138), (584, 9264), (585, 9267), (601, 9318), (603, 9324), (608, 9339), (617, 9369), (662, 9495), (677, 9525), (687, 9555),

Gene: BlueShadow_4 Start: 2274, Stop: 3605, Start Num: 111

Candidate Starts for BlueShadow_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (117, 2283), (165, 2385), (170, 2397), (227, 2538), (239, 2583), (243, 2598), (248, 2619), (281, 2655), (288, 2673), (328, 2754), (365, 2799), (430, 2877), (457, 2958), (461, 2970), (462, 2973), (468, 2997), (485, 3039), (542, 3150), (547, 3165), (559, 3195), (587, 3291), (677, 3531), (678, 3534), (681, 3540), (716, 3591),

Gene: Bluefalcon_9 Start: 8017, Stop: 9450, Start Num: 75

Candidate Starts for Bluefalcon_9:

(Start: 75 @8017 has 72 MA's), (167, 8146), (170, 8152), (197, 8233), (252, 8374), (265, 8401), (301, 8479), (363, 8560), (421, 8623), (422, 8626), (424, 8632), (425, 8635), (452, 8707), (461, 8740), (467,

8761), (477, 8791), (584, 9052), (601, 9106), (607, 9124), (621, 9163), (662, 9280), (677, 9310), (696, 9355), (706, 9364),

Gene: Bob3_11 Start: 8246, Stop: 9688, Start Num: 112

Candidate Starts for Bob3_11:

(64, 8180), (Start: 112 @8246 has 204 MA's), (195, 8444), (288, 8657), (421, 8852), (422, 8855), (459, 8963), (484, 9035), (547, 9158), (561, 9197), (584, 9275), (586, 9281), (601, 9329), (605, 9341), (608, 9350), (639, 9440), (677, 9530), (687, 9563), (696, 9575),

Gene: BobSwaget_16 Start: 10899, Stop: 12356, Start Num: 74

Candidate Starts for BobSwaget_16:

(Start: 74 @10899 has 530 MA's), (129, 10959), (141, 10983), (174, 11064), (252, 11274), (265, 11301), (288, 11346), (344, 11439), (425, 11535), (452, 11607), (459, 11634), (461, 11640), (467, 11661), (468, 11667), (486, 11712), (561, 11874), (601, 12006), (607, 12024), (612, 12042), (617, 12054), (621, 12063), (647, 12144), (649, 12150), (662, 12180), (667, 12192), (677, 12210), (685, 12240),

Gene: BobbyDazzler_9 Start: 4906, Stop: 6336, Start Num: 74

Candidate Starts for BobbyDazzler_9:

(Start: 74 @4906 has 530 MA's), (185, 5083), (190, 5104), (197, 5131), (204, 5146), (233, 5209), (281, 5323), (363, 5452), (424, 5524), (455, 5611), (457, 5620), (459, 5626), (474, 5674), (500, 5728), (511, 5743), (516, 5752), (544, 5818), (547, 5827), (593, 5971), (607, 6016), (608, 6019), (640, 6112), (662, 6169), (677, 6199), (685, 6226), (696, 6238), (702, 6244),

Gene: Bobi_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Bobi_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (366, 2745), (421, 2847), (425, 2859), (430, 2868), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Bobquesha_10 Start: 3854, Stop: 5440, Start Num: 50

Candidate Starts for Bobquesha_10:

(Start: 49 @3839 has 25 MA's), (Start: 50 @3854 has 160 MA's), (60, 3878), (109, 3944), (135, 3989), (Start: 166 @4061 has 2 MA's), (184, 4109), (186, 4118), (187, 4121), (189, 4130), (197, 4160), (231, 4229), (237, 4250), (241, 4265), (246, 4286), (248, 4292), (271, 4316), (288, 4352), (294, 4367), (315, 4406), (399, 4541), (404, 4550), (414, 4568), (424, 4595), (425, 4598), (441, 4631), (452, 4664), (457, 4685), (464, 4706), (517, 4769), (526, 4793), (535, 4817), (546, 4865), (550, 4877), (555, 4889), (557, 4895), (571, 4934), (605, 5048), (607, 5054), (650, 5225), (661, 5252), (664, 5261), (693, 5324), (704, 5336),

Gene: BobsGarage_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for BobsGarage_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: BogosyJay_14 Start: 9684, Stop: 11165, Start Num: 74

Candidate Starts for BogosyJay_14:

(Start: 74 @9684 has 530 MA's), (129, 9747), (174, 9852), (223, 9966), (252, 10062), (288, 10134), (301, 10167), (421, 10311), (452, 10395), (459, 10422), (461, 10428), (467, 10449), (511, 10539), (601, 10794), (607, 10812), (617, 10842), (621, 10851), (659, 10962), (662, 10968), (677, 10998), (696, 11043), (706, 11052),

Gene: Boiiii_9 Start: 3055, Stop: 4623, Start Num: 49

Candidate Starts for Boiiii_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Boilgate_6 Start: 3028, Stop: 4566, Start Num: 51

Candidate Starts for Boilgate_6:

(Start: 51 @3028 has 3 MA's), (131, 3136), (137, 3151), (141, 3160), (160, 3208), (184, 3265), (188, 3283), (189, 3286), (197, 3316), (231, 3385), (237, 3406), (246, 3442), (248, 3448), (249, 3451), (271, 3472), (273, 3475), (287, 3502), (315, 3562), (355, 3625), (357, 3628), (366, 3643), (370, 3649), (377, 3664), (392, 3679), (395, 3685), (404, 3709), (421, 3745), (424, 3754), (425, 3757), (441, 3790), (452, 3823), (457, 3844), (464, 3865), (517, 3928), (525, 3946), (535, 3976), (546, 4024), (550, 4036), (552, 4039), (555, 4048), (557, 4054), (571, 4093), (576, 4117), (600, 4192), (601, 4195), (605, 4207), (607, 4213), (628, 4282), (629, 4285), (637, 4321), (638, 4324), (650, 4357), (664, 4393), (672, 4408), (674, 4411), (681, 4429),

Gene: Bombshell_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Bombshell_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Bonamassa_10 Start: 7939, Stop: 9372, Start Num: 75

Candidate Starts for Bonamassa_10:

(Start: 75 @7939 has 72 MA's), (179, 8095), (185, 8107), (188, 8122), (190, 8128), (252, 8296), (265, 8323), (301, 8401), (363, 8482), (424, 8554), (425, 8557), (452, 8629), (461, 8662), (467, 8683), (473, 8701), (477, 8713), (501, 8758), (584, 8974), (601, 9028), (607, 9046), (621, 9085), (662, 9202), (677, 9232), (685, 9262), (706, 9286),

Gene: Bonanza_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Bonanza_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (281, 5252), (363, 5381), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Bones_12 Start: 8441, Stop: 9883, Start Num: 112

Candidate Starts for Bones_12:

(64, 8375), (Start: 112 @8441 has 204 MA's), (195, 8639), (288, 8852), (421, 9047), (425, 9059), (459, 9158), (484, 9230), (547, 9353), (561, 9392), (584, 9470), (586, 9476), (601, 9524), (605, 9536), (608, 9545), (639, 9635), (677, 9725), (687, 9758), (696, 9770),

Gene: Bongo_15 Start: 6260, Stop: 7882, Start Num: 55

Candidate Starts for Bongo_15:

(Start: 55 @6260 has 21 MA's), (Start: 62 @6275 has 13 MA's), (135, 6383), (142, 6401), (165, 6449), (175, 6482), (181, 6494), (188, 6518), (195, 6545), (197, 6551), (231, 6623), (233, 6629), (241, 6659), (267, 6740), (271, 6746), (273, 6749), (283, 6767), (411, 6923), (421, 6941), (425, 6953), (447, 7001), (463, 7058), (464, 7061), (495, 7130), (533, 7184), (541, 7220), (558, 7271), (560, 7274), (571, 7304), (575, 7313), (593, 7379), (595, 7382), (600, 7403), (601, 7406), (623, 7457), (650, 7544), (709, 7655), (727, 7685), (747, 7721), (751, 7727), (757, 7742), (762, 7754), (777, 7838),

Gene: Boohoo_15 Start: 8380, Stop: 9840, Start Num: 74

Candidate Starts for Boohoo_15:

(Start: 74 @8380 has 530 MA's), (129, 8440), (174, 8545), (196, 8611), (271, 8794), (288, 8827), (301, 8860), (452, 9091), (459, 9118), (461, 9124), (467, 9145), (474, 9166), (486, 9196), (501, 9220), (555, 9340), (584, 9436), (593, 9463), (601, 9490), (607, 9508), (608, 9511), (617, 9544), (621, 9553), (662, 9670), (677, 9700), (706, 9754),

Gene: Boomer_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Boomer_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: BoostSeason_5 Start: 2085, Stop: 3590, Start Num: 50

Candidate Starts for BoostSeason_5:

(27, 1944), (Start: 50 @2085 has 160 MA's), (58, 2103), (81, 2130), (109, 2151), (131, 2187), (Start: 166 @2268 has 2 MA's), (186, 2325), (189, 2337), (195, 2361), (197, 2367), (227, 2418), (231, 2436), (237, 2457), (246, 2493), (248, 2499), (271, 2523), (288, 2559), (333, 2649), (351, 2670), (368, 2697), (395, 2739), (396, 2745), (404, 2763), (425, 2811), (441, 2844), (457, 2898), (464, 2919), (473, 2949), (517, 2982), (525, 3000), (526, 3006), (535, 3030), (550, 3090), (555, 3102), (557, 3108), (571, 3147), (607, 3267), (628, 3309), (660, 3408), (661, 3411), (664, 3420), (684, 3471), (720, 3516), (760, 3567),

Gene: BotCity_4 Start: 2189, Stop: 3625, Start Num: 73

Candidate Starts for BotCity_4:

(Start: 73 @2189 has 29 MA's), (142, 2279), (163, 2330), (165, 2333), (201, 2438), (227, 2480), (235, 2510), (241, 2534), (252, 2567), (410, 2774), (450, 2876), (452, 2882), (458, 2906), (465, 2927), (466, 2933), (475, 2960), (481, 2978), (492, 3011), (518, 3062), (534, 3092), (551, 3146), (561, 3176), (571, 3206), (607, 3329), (637, 3422), (640, 3437), (665, 3500), (694, 3560), (720, 3587),

Gene: BourbonZero_5 Start: 2757, Stop: 4400, Start Num: 84

Candidate Starts for BourbonZero_5:

(Start: 84 @2757 has 64 MA's), (128, 2817), (189, 2967), (197, 2997), (231, 3069), (249, 3135), (278, 3183), (327, 3276), (372, 3315), (418, 3372), (421, 3378), (432, 3405), (437, 3414), (444, 3429), (528, 3618), (548, 3690), (562, 3732), (628, 3915), (638, 3957), (647, 3984), (650, 3993), (677, 4053), (690, 4083), (698, 4092), (747, 4167), (762, 4200),

Gene: Bovely_7 Start: 4087, Stop: 5529, Start Num: 108

Candidate Starts for Bovely_7:

(Start: 96 @4078 has 3 MA's), (Start: 99 @4081 has 4 MA's), (Start: 108 @4087 has 156 MA's), (Start: 166 @4204 has 2 MA's), (184, 4252), (312, 4570), (346, 4612), (364, 4639), (398, 4672), (446, 4765), (449, 4777), (477, 4870), (520, 4948), (535, 4993), (549, 5050), (558, 5074), (631, 5287), (747, 5515),

Gene: Bowden_8 Start: 3928, Stop: 5403, Start Num: 108

Candidate Starts for Bowden_8:

(Start: 108 @3928 has 156 MA's), (Start: 166 @4045 has 2 MA's), (184, 4093), (187, 4105), (197, 4144), (231, 4237), (237, 4258), (346, 4450), (364, 4477), (449, 4615), (461, 4657), (470, 4690), (477, 4708), (483, 4726), (486, 4735), (535, 4873), (549, 4930), (565, 4978), (607, 5110), (631, 5167), (661, 5257), (664, 5266), (736, 5371), (747, 5389),

Gene: Bowtie_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Bowtie_13:

(Start: 74 @9784 has 530 MA's), (120, 9829), (129, 9844), (174, 9949), (288, 10231), (301, 10264), (425, 10420), (452, 10492), (459, 10519), (461, 10525), (467, 10546), (486, 10597), (592, 10861), (601, 10891), (608, 10912), (612, 10927), (617, 10939), (621, 10948), (649, 11035), (662, 11065), (677, 11095), (685, 11125), (736, 11191),

Gene: Bradissa_3 Start: 2281, Stop: 3735, Start Num: 77

Candidate Starts for Bradissa_3:

(35, 2128), (41, 2188), (Start: 77 @2281 has 21 MA's), (183, 2467), (191, 2500), (202, 2533), (239, 2611), (344, 2794), (422, 2884), (425, 2893), (461, 2998), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3682),

Gene: Bradman_12 Start: 8157, Stop: 9614, Start Num: 74

Candidate Starts for Bradman_12:

(Start: 74 @8157 has 530 MA's), (97, 8178), (129, 8217), (174, 8322), (288, 8604), (301, 8637), (354, 8709), (425, 8793), (452, 8865), (459, 8892), (461, 8898), (467, 8919), (561, 9132), (593, 9237), (601, 9264), (608, 9285), (617, 9312), (621, 9321), (662, 9438), (677, 9468), (685, 9498), (706, 9522),

Gene: Bradshaw_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Bradshaw_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: BrainDrainer_5 Start: 2334, Stop: 3971, Start Num: 87

Candidate Starts for BrainDrainer_5:

(Start: 87 @2334 has 9 MA's), (137, 2409), (188, 2538), (189, 2541), (197, 2571), (231, 2643), (241, 2679), (251, 2718), (327, 2850), (372, 2889), (407, 2922), (418, 2946), (421, 2952), (430, 2973), (432, 2979), (433, 2982), (444, 3003), (462, 3066), (463, 3069), (520, 3171), (528, 3192), (561, 3300), (562, 3306), (592, 3399), (600, 3426), (628, 3489), (638, 3531), (647, 3558), (650, 3567), (677, 3627), (690, 3657), (698, 3666), (704, 3672), (757, 3762), (762, 3774), (776, 3852),

Gene: Brataylor_8 Start: 4058, Stop: 5494, Start Num: 108

Candidate Starts for Brataylor_8:

(Start: 99 @4052 has 4 MA's), (Start: 108 @4058 has 156 MA's), (123, 4082), (136, 4106), (Start: 166 @4175 has 2 MA's), (184, 4223), (190, 4247), (197, 4274), (271, 4457), (312, 4541), (346, 4583), (401, 4649), (446, 4739), (449, 4751), (477, 4844), (520, 4922), (535, 4967), (549, 5024), (623, 5237), (631, 5261), (747, 5480),

Gene: BreSam8_14 Start: 8647, Stop: 10101, Start Num: 74

Candidate Starts for BreSam8_14:

(Start: 74 @8647 has 530 MA's), (Start: 114 @8677 has 8 MA's), (129, 8704), (174, 8809), (223, 8923), (242, 8989), (265, 9046), (301, 9124), (303, 9127), (421, 9268), (459, 9379), (461, 9385), (467, 9406), (544, 9571), (584, 9697), (601, 9751), (603, 9757), (608, 9772), (621, 9808), (649, 9895), (662, 9925), (677, 9955), (696, 10000), (706, 10009),

Gene: Breezona_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Breezona_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Bricole_15 Start: 6259, Stop: 7881, Start Num: 55

Candidate Starts for Bricole_15:

(Start: 55 @6259 has 21 MA's), (Start: 62 @6274 has 13 MA's), (135, 6382), (142, 6400), (165, 6448), (175, 6481), (181, 6493), (188, 6517), (195, 6544), (197, 6550), (231, 6622), (233, 6628), (241, 6658), (267, 6739), (271, 6745), (273, 6748), (283, 6766), (411, 6922), (421, 6940), (425, 6952), (447, 7000), (463, 7057), (464, 7060), (495, 7129), (533, 7183), (541, 7219), (558, 7270), (560, 7273), (571, 7303), (575, 7312), (593, 7378), (595, 7381), (600, 7402), (601, 7405), (623, 7456), (650, 7543), (709, 7654), (727, 7684), (747, 7720), (751, 7726), (757, 7741), (762, 7753), (777, 7837),

Gene: Bridgette_3 Start: 2383, Stop: 3744, Start Num: 100

Candidate Starts for Bridgette_3:

(Start: 100 @2383 has 21 MA's), (182, 2551), (187, 2569), (196, 2605), (223, 2653), (260, 2779), (293, 2860), (308, 2890), (363, 2965), (425, 3034), (458, 3124), (463, 3139), (552, 3331), (571, 3385), (609, 3505), (641, 3595), (689, 3709),

Gene: BritBrat_3 Start: 2281, Stop: 3735, Start Num: 77

Candidate Starts for BritBrat_3:

(35, 2128), (41, 2188), (Start: 77 @2281 has 21 MA's), (183, 2467), (191, 2500), (202, 2533), (239, 2611), (241, 2620), (331, 2779), (344, 2794), (360, 2815), (422, 2884), (425, 2893), (440, 2926), (458, 2989), (461, 2998), (497, 3100), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3682),

Gene: Briton15_14 Start: 8752, Stop: 10194, Start Num: 112

Candidate Starts for Briton15_14:

(64, 8686), (Start: 112 @8752 has 204 MA's), (195, 8950), (288, 9163), (421, 9358), (425, 9370), (459, 9469), (547, 9664), (561, 9703), (584, 9781), (586, 9787), (600, 9832), (601, 9835), (605, 9847), (608, 9856), (639, 9946), (677, 10036), (687, 10069), (696, 10081),

Gene: BroPlease_8 Start: 4096, Stop: 5580, Start Num: 108

Candidate Starts for BroPlease_8:

(Start: 108 @4096 has 156 MA's), (Start: 166 @4213 has 2 MA's), (184, 4261), (316, 4588), (346, 4621), (398, 4681), (446, 4774), (449, 4786), (470, 4861), (477, 4879), (481, 4891), (483, 4897), (547, 5095), (549, 5101), (577, 5188), (600, 5260), (628, 5323), (631, 5338), (661, 5428), (680, 5470), (736, 5542),

Gene: Bromden_5 Start: 2378, Stop: 4015, Start Num: 87

Candidate Starts for Bromden_5:

(Start: 87 @2378 has 9 MA's), (137, 2453), (188, 2582), (189, 2585), (197, 2615), (231, 2687), (248, 2750), (249, 2753), (251, 2762), (278, 2801), (327, 2894), (372, 2933), (407, 2966), (418, 2990), (421,

2996), (430, 3017), (432, 3023), (433, 3026), (444, 3047), (450, 3068), (463, 3113), (528, 3236), (561, 3344), (562, 3350), (592, 3443), (600, 3470), (628, 3533), (647, 3602), (650, 3611), (677, 3671), (690, 3701), (698, 3710), (704, 3716), (757, 3806), (762, 3818), (774, 3890), (776, 3896),

Gene: Brookers_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Brookers_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Broseidon_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Broseidon_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: BruceB_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for BruceB_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: BruceLethal_3 Start: 1881, Stop: 3206, Start Num: 106

Candidate Starts for BruceLethal_3:

(Start: 106 @1881 has 46 MA's), (128, 1914), (139, 1935), (167, 2001), (174, 2019), (180, 2028), (185, 2040), (190, 2061), (192, 2070), (223, 2121), (227, 2130), (237, 2169), (239, 2175), (244, 2196), (246, 2205), (296, 2298), (302, 2310), (304, 2313), (306, 2316), (335, 2355), (338, 2358), (348, 2370), (417, 2433), (425, 2454), (456, 2541), (463, 2565), (477, 2610), (495, 2643), (496, 2646), (499, 2652), (506, 2661), (509, 2670), (534, 2703), (547, 2748), (549, 2754), (550, 2757), (554, 2766), (576, 2841), (584, 2865), (639, 3036), (648, 3063), (658, 3084), (659, 3087), (662, 3093), (663, 3096), (670, 3111), (678, 3126), (679, 3129), (689, 3159),

Gene: Bruiser_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Bruiser_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Bruns_11 Start: 8609, Stop: 10051, Start Num: 112

Candidate Starts for Bruns_11:

(64, 8543), (Start: 112 @8609 has 204 MA's), (195, 8807), (288, 9020), (421, 9215), (425, 9227), (459, 9326), (484, 9398), (547, 9521), (561, 9560), (584, 9638), (586, 9644), (601, 9692), (605, 9704), (608, 9713), (639, 9803), (677, 9893), (687, 9926), (696, 9938),

Gene: Brushbloom_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Brushbloom_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (366, 2745), (421, 2847), (425, 2859), (430, 2868), (444, 2898), (447, 2907), (457, 2946), (463, 2964), (464, 2967), (473, 2997), (526, 3054), (538, 3093), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: BryanRecycles_8 Start: 4241, Stop: 5683, Start Num: 108

Candidate Starts for BryanRecycles_8:

(Start: 96 @4232 has 3 MA's), (Start: 99 @4235 has 4 MA's), (Start: 108 @4241 has 156 MA's), (Start: 166 @4358 has 2 MA's), (184, 4406), (190, 4430), (312, 4724), (346, 4766), (364, 4793), (446, 4919), (449, 4931), (477, 5024), (520, 5102), (535, 5147), (549, 5204), (558, 5228), (631, 5441), (747, 5669),

Gene: Bryce_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Bryce_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (281, 5252), (363, 5381), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Bryler_8 Start: 2948, Stop: 4498, Start Num: 50

Candidate Starts for Bryler_8:

(28, 2816), (31, 2843), (Start: 49 @2933 has 25 MA's), (Start: 50 @2948 has 160 MA's), (70, 2978), (131, 3056), (Start: 166 @3137 has 2 MA's), (174, 3161), (188, 3203), (231, 3305), (237, 3326), (241, 3341), (248, 3368), (294, 3446), (315, 3485), (351, 3542), (395, 3611), (404, 3635), (421, 3671), (425, 3683), (441, 3716), (452, 3749), (457, 3770), (464, 3791), (473, 3821), (517, 3854), (525, 3872), (550, 3962), (552, 3965), (557, 3980), (573, 4016), (575, 4022), (585, 4064), (601, 4115), (607, 4133), (639, 4226), (640, 4229), (650, 4250), (660, 4274), (661, 4277), (664, 4286),

Gene: BubbleTrouble_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for BubbleTrouble_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (565, 9580), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Bud_13 Start: 9790, Stop: 11247, Start Num: 74

Candidate Starts for Bud_13:

(Start: 74 @9790 has 530 MA's), (120, 9835), (129, 9850), (174, 9955), (288, 10237), (301, 10270), (425, 10426), (452, 10498), (459, 10525), (461, 10531), (467, 10552), (486, 10603), (592, 10867), (601, 10897), (608, 10918), (612, 10933), (617, 10945), (621, 10954), (649, 11041), (662, 11071), (677, 11101), (685, 11131), (736, 11197),

Gene: Budski_4 Start: 2189, Stop: 3625, Start Num: 73

Candidate Starts for Budski_4:

(Start: 73 @2189 has 29 MA's), (146, 2291), (168, 2342), (190, 2399), (192, 2408), (227, 2480), (241, 2534), (252, 2567), (281, 2603), (308, 2666), (410, 2774), (422, 2801), (427, 2813), (429, 2816), (450, 2876), (452, 2882), (465, 2927), (466, 2933), (475, 2960), (481, 2978), (492, 3011), (518, 3062), (534, 3092), (551, 3146), (561, 3176), (571, 3206), (607, 3329), (637, 3422), (640, 3437), (656, 3479), (665, 3500), (679, 3527), (694, 3560), (720, 3587),

Gene: Bugatti_12 Start: 8193, Stop: 9659, Start Num: 75

Candidate Starts for Bugatti_12:

(Start: 75 @8193 has 72 MA's), (174, 8364), (204, 8448), (233, 8511), (242, 8544), (246, 8562), (265, 8601), (281, 8628), (300, 8676), (418, 8817), (422, 8826), (452, 8907), (458, 8931), (459, 8934), (461, 8940), (466, 8958), (467, 8961), (468, 8967), (544, 9138), (584, 9264), (585, 9267), (601, 9318), (603, 9324), (608, 9339), (617, 9369), (662, 9495), (677, 9525), (687, 9555),

Gene: Buggy_15 Start: 9674, Stop: 11134, Start Num: 74

Candidate Starts for Buggy_15:

(Start: 74 @9674 has 530 MA's), (129, 9734), (174, 9839), (246, 10037), (288, 10121), (301, 10154), (421, 10298), (452, 10382), (459, 10409), (461, 10415), (467, 10436), (468, 10442), (486, 10487), (601, 10781), (607, 10799), (608, 10802), (617, 10829), (621, 10838), (662, 10955), (677, 10985), (685, 11015), (706, 11039),

Gene: Bumblebee11_12 Start: 8587, Stop: 10038, Start Num: 74

Candidate Starts for Bumblebee11_12:

(Start: 74 @8587 has 530 MA's), (170, 8737), (174, 8749), (233, 8896), (239, 8917), (246, 8947), (265, 8986), (276, 9004), (281, 9013), (301, 9064), (414, 9193), (421, 9211), (440, 9256), (459, 9322), (461, 9328), (467, 9349), (468, 9355), (496, 9424), (528, 9484), (544, 9529), (584, 9655), (585, 9658), (601, 9709), (603, 9715), (607, 9727), (608, 9730), (617, 9757), (649, 9853), (662, 9883), (667, 9895), (677, 9913), (685, 9943),

Gene: Burger_11 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Burger_11:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Burnsey_5 Start: 2789, Stop: 4246, Start Num: 115

Candidate Starts for Burnsey_5:

(Start: 115 @2789 has 54 MA's), (133, 2813), (176, 2924), (180, 2927), (184, 2936), (222, 3017), (244, 3101), (247, 3113), (288, 3182), (391, 3329), (425, 3371), (449, 3434), (454, 3452), (456, 3458), (459, 3470), (461, 3476), (499, 3587), (544, 3704), (554, 3731), (565, 3767), (605, 3896), (607, 3902), (621, 3935), (639, 3992), (640, 3995), (648, 4019), (662, 4049), (685, 4109), (687, 4112), (759, 4223),

Gene: Burton_13 Start: 8809, Stop: 10251, Start Num: 112

Candidate Starts for Burton_13:

(64, 8743), (Start: 112 @8809 has 204 MA's), (195, 9007), (288, 9220), (421, 9415), (422, 9418), (459, 9526), (484, 9598), (547, 9721), (561, 9760), (584, 9838), (586, 9844), (601, 9892), (605, 9904), (608, 9913), (639, 10003), (677, 10093), (687, 10126), (696, 10138),

Gene: Button_6 Start: 2875, Stop: 4326, Start Num: 115

Candidate Starts for Button_6:

(52, 2782), (Start: 115 @2875 has 54 MA's), (129, 2890), (172, 2992), (184, 3013), (191, 3043), (213, 3079), (236, 3148), (241, 3166), (242, 3169), (244, 3178), (246, 3187), (248, 3193), (277, 3235), (310, 3307), (342, 3343), (422, 3439), (454, 3529), (461, 3553), (463, 3559), (520, 3703), (534, 3739), (554, 3802), (617, 4000), (621, 4009), (629, 4018), (662, 4123), (685, 4183), (696, 4198), (759, 4309),

Gene: Buttons_13 Start: 8879, Stop: 10321, Start Num: 112

Candidate Starts for Buttons_13:

(64, 8813), (Start: 112 @8879 has 204 MA's), (195, 9077), (288, 9290), (421, 9485), (425, 9497), (459, 9596), (484, 9668), (547, 9791), (561, 9830), (584, 9908), (586, 9914), (601, 9962), (605, 9974), (608, 9983), (639, 10073), (677, 10163), (687, 10196), (696, 10208),

Gene: Buttrmlkdreams_5 Start: 2787, Stop: 4241, Start Num: 115

Candidate Starts for Buttrmlkdreams_5:

(Start: 115 @2787 has 54 MA's), (133, 2811), (180, 2925), (184, 2934), (242, 3090), (244, 3099), (288, 3180), (425, 3369), (454, 3450), (459, 3468), (461, 3474), (544, 3702), (554, 3729), (565, 3765), (598, 3873), (605, 3894), (648, 4017), (662, 4047), (685, 4107), (687, 4110), (759, 4218),

Gene: BuzzBuzz_13 Start: 8738, Stop: 10192, Start Num: 74

Candidate Starts for BuzzBuzz_13:

(Start: 74 @8738 has 530 MA's), (Start: 114 @8768 has 8 MA's), (129, 8795), (174, 8900), (223, 9014), (242, 9080), (265, 9137), (301, 9215), (303, 9218), (421, 9359), (459, 9470), (461, 9476), (467, 9497), (544, 9662), (584, 9788), (601, 9842), (603, 9848), (608, 9863), (621, 9899), (649, 9986), (662, 10016), (677, 10046), (696, 10091), (706, 10100),

Gene: BuzzLyseyear_4 Start: 2198, Stop: 3619, Start Num: 108

Candidate Starts for BuzzLyseyear_4:

(Start: 108 @2198 has 156 MA's), (124, 2225), (131, 2237), (184, 2366), (188, 2384), (197, 2417), (231, 2486), (241, 2522), (246, 2543), (248, 2549), (271, 2573), (273, 2576), (308, 2651), (312, 2657), (323, 2684), (336, 2702), (366, 2744), (397, 2795), (406, 2813), (421, 2846), (424, 2855), (425, 2858), (447, 2906), (449, 2915), (457, 2945), (463, 2963), (473, 2996), (526, 3053), (550, 3137), (557, 3155), (565, 3182), (571, 3194), (573, 3197), (575, 3203), (576, 3218), (587, 3251), (628, 3356), (650, 3431), (652, 3437), (655, 3446), (660, 3455), (664, 3467), (693, 3530), (728, 3578),

Gene: Bxb1_11 Start: 8719, Stop: 10185, Start Num: 75

Candidate Starts for Bxb1_11:

(Start: 75 @8719 has 72 MA's), (174, 8869), (252, 9109), (281, 9163), (291, 9193), (301, 9214), (363, 9295), (421, 9358), (459, 9469), (461, 9475), (467, 9496), (501, 9571), (511, 9586), (565, 9727), (601, 9844), (607, 9862), (621, 9901), (662, 10018), (677, 10048), (681, 10060),

Gene: Bxz2_14 Start: 8748, Stop: 10202, Start Num: 74

Candidate Starts for Bxz2_14:

(Start: 74 @8748 has 530 MA's), (Start: 114 @8778 has 8 MA's), (129, 8805), (174, 8910), (223, 9024), (242, 9090), (265, 9147), (301, 9225), (303, 9228), (421, 9369), (459, 9480), (461, 9486), (467, 9507), (544, 9672), (584, 9798), (601, 9852), (603, 9858), (608, 9873), (621, 9909), (649, 9996), (662, 10026), (677, 10056), (696, 10101), (706, 10110),

Gene: C3_11 Start: 9161, Stop: 10618, Start Num: 74

Candidate Starts for C3_11:

(Start: 74 @9161 has 530 MA's), (129, 9221), (174, 9326), (288, 9608), (301, 9641), (419, 9782), (425, 9797), (452, 9869), (459, 9896), (461, 9902), (467, 9923), (468, 9929), (486, 9974), (601, 10268), (607, 10286), (608, 10289), (617, 10316), (621, 10325), (641, 10391), (662, 10442), (677, 10472), (685, 10502), (706, 10526),

Gene: CLED96_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for CLED96_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: CRB1_13 Start: 9194, Stop: 10654, Start Num: 74

Candidate Starts for CRB1_13:

(Start: 74 @9194 has 530 MA's), (129, 9254), (174, 9359), (246, 9557), (288, 9641), (301, 9674), (452, 9902), (459, 9929), (461, 9935), (467, 9956), (468, 9962), (486, 10007), (601, 10301), (607, 10319), (608, 10322), (617, 10349), (621, 10358), (662, 10475), (677, 10505), (685, 10535), (706, 10559),

Gene: CREW_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for CREW_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: CactusRose_11 Start: 8429, Stop: 9871, Start Num: 112

Candidate Starts for CactusRose_11:

(64, 8363), (Start: 112 @8429 has 204 MA's), (195, 8627), (288, 8840), (421, 9035), (425, 9047), (459, 9146), (547, 9341), (561, 9380), (584, 9458), (586, 9464), (601, 9512), (605, 9524), (608, 9533), (639, 9623), (677, 9713), (687, 9746), (696, 9758),

Gene: Caelakin_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Caelakin_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Caelum_8 Start: 3776, Stop: 5269, Start Num: 108

Candidate Starts for Caelum_8:

(Start: 108 @3776 has 156 MA's), (Start: 166 @3893 has 2 MA's), (184, 3941), (187, 3953), (197, 3992), (231, 4085), (248, 4142), (346, 4298), (364, 4325), (423, 4403), (446, 4451), (449, 4463), (452, 4472), (470, 4538), (477, 4556), (481, 4568), (483, 4574), (535, 4721), (549, 4778), (565, 4826), (607, 4958), (631, 5015), (661, 5105), (664, 5114), (680, 5147), (736, 5231), (747, 5255),

Gene: Cain_8 Start: 2948, Stop: 4498, Start Num: 50

Candidate Starts for Cain_8:

(28, 2816), (31, 2843), (Start: 49 @2933 has 25 MA's), (Start: 50 @2948 has 160 MA's), (70, 2978), (131, 3056), (Start: 166 @3137 has 2 MA's), (174, 3161), (188, 3203), (231, 3305), (237, 3326), (241, 3341), (248, 3368), (294, 3446), (315, 3485), (351, 3542), (395, 3611), (404, 3635), (421, 3671), (425, 3683), (441, 3716), (452, 3749), (457, 3770), (464, 3791), (473, 3821), (517, 3854), (525, 3872), (550, 3962), (552, 3965), (557, 3980), (573, 4016), (575, 4022), (585, 4064), (601, 4115), (607, 4133), (639, 4226), (640, 4229), (650, 4250), (660, 4274), (661, 4277), (664, 4286),

Gene: Caliburn_7 Start: 4055, Stop: 5503, Start Num: 99

Candidate Starts for Caliburn_7:

(Start: 96 @4052 has 3 MA's), (Start: 99 @4055 has 4 MA's), (Start: 108 @4061 has 156 MA's), (Start: 166 @4178 has 2 MA's), (184, 4226), (312, 4544), (346, 4586), (364, 4613), (398, 4646), (446, 4739), (449, 4751), (477, 4844), (520, 4922), (535, 4967), (549, 5024), (558, 5048), (631, 5261), (747, 5489),

Gene: CallaLilly_9 Start: 2996, Stop: 4552, Start Num: 50

Candidate Starts for CallaLilly_9:

(31, 2894), (Start: 49 @2981 has 25 MA's), (Start: 50 @2996 has 160 MA's), (128, 3095), (131, 3104), (160, 3176), (Start: 166 @3185 has 2 MA's), (174, 3209), (186, 3242), (188, 3251), (197, 3284), (231, 3353), (237, 3374), (248, 3416), (288, 3482), (294, 3497), (333, 3572), (351, 3593), (385, 3647), (441,

3767), (452, 3800), (457, 3821), (464, 3842), (473, 3872), (517, 3905), (525, 3923), (546, 4001), (550, 4013), (552, 4016), (556, 4028), (557, 4031), (573, 4067), (585, 4115), (601, 4166), (607, 4184), (640, 4280), (650, 4301), (661, 4328), (664, 4337), (681, 4373),

Gene: CallinAllBarbz_3 Start: 1965, Stop: 3398, Start Num: 77

Candidate Starts for CallinAllBarbz_3:

(Start: 77 @1965 has 21 MA's), (Start: 114 @1995 has 8 MA's), (180, 2136), (288, 2394), (386, 2529), (429, 2583), (450, 2643), (458, 2673), (468, 2709), (474, 2724), (496, 2787), (529, 2847), (534, 2856), (538, 2874), (540, 2880), (576, 2994), (598, 3063), (606, 3087), (625, 3132), (659, 3240),

Gene: Calm_5 Start: 2625, Stop: 4298, Start Num: 84

Candidate Starts for Calm_5:

(Start: 84 @2625 has 64 MA's), (131, 2688), (150, 2742), (165, 2766), (189, 2835), (195, 2859), (231, 2937), (241, 2973), (286, 3066), (287, 3069), (327, 3144), (372, 3183), (421, 3246), (432, 3273), (433, 3276), (444, 3297), (450, 3318), (462, 3360), (463, 3363), (520, 3465), (526, 3480), (528, 3486), (552, 3567), (561, 3594), (562, 3600), (592, 3693), (600, 3720), (603, 3729), (628, 3783), (633, 3804), (638, 3825), (647, 3852), (650, 3861), (677, 3921), (690, 3951), (698, 3960), (762, 4068), (782, 4263),

Gene: Calvinny_15 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Calvinny_15:

(Start: 74 @8726 has 530 MA's), (Start: 114 @8756 has 8 MA's), (129, 8783), (174, 8888), (223, 9002), (242, 9068), (265, 9125), (301, 9203), (303, 9206), (421, 9347), (459, 9458), (461, 9464), (467, 9485), (544, 9650), (584, 9776), (601, 9830), (603, 9836), (608, 9851), (621, 9887), (649, 9974), (662, 10004), (677, 10034), (696, 10079), (706, 10088),

Gene: Cambiare_4 Start: 2394, Stop: 3935, Start Num: 59

Candidate Starts for Cambiare_4:

(11, 1920), (16, 1992), (18, 2007), (24, 2136), (Start: 59 @2394 has 72 MA's), (117, 2466), (118, 2469), (136, 2499), (137, 2502), (184, 2610), (201, 2673), (238, 2757), (239, 2760), (281, 2844), (299, 2889), (301, 2895), (312, 2913), (356, 2970), (360, 2976), (422, 3042), (441, 3087), (452, 3123), (461, 3156), (471, 3192), (496, 3261), (506, 3276), (534, 3333), (553, 3393), (651, 3702), (662, 3729), (673, 3753), (679, 3765), (688, 3792),

Gene: Camperdownii_11 Start: 8195, Stop: 9649, Start Num: 74

Candidate Starts for Camperdownii_11:

(Start: 74 @8195 has 530 MA's), (170, 8345), (174, 8357), (239, 8525), (246, 8555), (265, 8594), (276, 8612), (301, 8672), (414, 8801), (421, 8819), (459, 8930), (461, 8936), (467, 8957), (468, 8963), (496, 9032), (528, 9092), (544, 9137), (584, 9263), (585, 9266), (601, 9317), (608, 9338), (617, 9368), (647, 9458), (662, 9494), (677, 9524), (685, 9554),

Gene: Camri_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Camri_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Candra_16 Start: 9317, Stop: 10780, Start Num: 74

Candidate Starts for Candra_16:

(Start: 74 @9317 has 530 MA's), (97, 9338), (129, 9377), (167, 9464), (171, 9476), (174, 9482), (288, 9764), (434, 9977), (452, 10028), (459, 10055), (461, 10061), (467, 10082), (608, 10448), (617, 10475), (621, 10484), (640, 10544), (662, 10601), (677, 10631), (685, 10661), (709, 10688),

Gene: CanesSauce_5 Start: 2796, Stop: 4250, Start Num: 115

Candidate Starts for CanesSauce_5:

(Start: 115 @2796 has 54 MA's), (133, 2820), (180, 2934), (184, 2943), (222, 3024), (244, 3108), (288, 3189), (391, 3336), (425, 3378), (446, 3429), (454, 3459), (459, 3477), (461, 3483), (544, 3711), (554, 3738), (560, 3753), (565, 3774), (591, 3858), (598, 3882), (648, 4026), (656, 4044), (662, 4056), (663, 4059), (685, 4116), (687, 4119), (759, 4227),

Gene: Cappuccino_3 Start: 2306, Stop: 3871, Start Num: 100

Candidate Starts for Cappuccino_3:

(Start: 100 @2306 has 21 MA's), (Start: 166 @2432 has 2 MA's), (246, 2657), (266, 2693), (273, 2702), (318, 2795), (351, 2819), (421, 2924), (561, 3257), (565, 3272), (566, 3275), (647, 3515), (745, 3689), (775, 3803), (778, 3836),

Gene: Caprice_33 Start: 12247, Stop: 13812, Start Num: 48

Candidate Starts for Caprice_33:

(Start: 48 @12247 has 17 MA's), (119, 12364), (172, 12484), (190, 12529), (192, 12538), (233, 12628), (245, 12676), (246, 12679), (277, 12721), (281, 12724), (289, 12748), (334, 12820), (337, 12823), (367, 12862), (384, 12883), (386, 12886), (424, 12931), (456, 13021), (458, 13030), (461, 13039), (474, 13081), (475, 13084), (488, 13123), (510, 13165), (512, 13171), (514, 13174), (532, 13219), (554, 13288), (584, 13387), (588, 13399), (622, 13498), (641, 13564), (651, 13585), (656, 13600), (706, 13693), (717, 13708),

Gene: Capricorn_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Capricorn_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Caraxes_12 Start: 7939, Stop: 9396, Start Num: 74

Candidate Starts for Caraxes_12:

(Start: 74 @7939 has 530 MA's), (129, 7999), (170, 8092), (174, 8104), (288, 8386), (452, 8647), (459, 8674), (461, 8680), (467, 8701), (561, 8914), (601, 9046), (607, 9064), (608, 9067), (617, 9094), (621, 9103), (649, 9190), (662, 9220), (677, 9250), (685, 9280), (706, 9304),

Gene: Carlyle_14 Start: 9277, Stop: 10719, Start Num: 112

Candidate Starts for Carlyle_14:

(64, 9211), (Start: 112 @9277 has 204 MA's), (195, 9475), (288, 9688), (421, 9883), (425, 9895), (459, 9994), (484, 10066), (547, 10189), (561, 10228), (584, 10306), (586, 10312), (600, 10357), (601, 10360), (605, 10372), (608, 10381), (639, 10471), (677, 10561), (687, 10594), (696, 10606),

Gene: Caron_3 Start: 2378, Stop: 3748, Start Num: 104

Candidate Starts for Caron_3:

(Start: 104 @2378 has 48 MA's), (Start: 166 @2498 has 2 MA's), (246, 2723), (465, 3086), (571, 3347), (575, 3356), (628, 3503), (635, 3533), (661, 3608),

Gene: Carsonalex_6 Start: 2870, Stop: 4303, Start Num: 133

Candidate Starts for Carsonalex_6:

(Start: 115 @2846 has 54 MA's), (133, 2870), (176, 2981), (180, 2984), (184, 2993), (222, 3074), (244, 3158), (247, 3170), (288, 3239), (334, 3314), (391, 3386), (425, 3428), (449, 3491), (454, 3509), (456,

3515), (459, 3527), (461, 3533), (499, 3644), (544, 3761), (554, 3788), (560, 3803), (565, 3824), (605, 3953), (607, 3959), (621, 3992), (639, 4049), (640, 4052), (648, 4076), (662, 4106), (685, 4166), (687, 4169), (759, 4280),

Gene: CaseJules_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for CaseJules_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Cashline_3 Start: 2281, Stop: 3729, Start Num: 77

Candidate Starts for Cashline_3:

(35, 2128), (Start: 77 @2281 has 21 MA's), (129, 2347), (183, 2467), (189, 2491), (191, 2500), (202, 2533), (223, 2557), (237, 2605), (243, 2626), (360, 2815), (422, 2884), (424, 2890), (425, 2893), (458, 2989), (461, 2998), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3676),

Gene: Cassia_3 Start: 2263, Stop: 3798, Start Num: 101

Candidate Starts for Cassia_3:

(Start: 101 @2263 has 12 MA's), (Start: 166 @2383 has 2 MA's), (197, 2482), (318, 2746), (343, 2761), (478, 3019), (558, 3184), (573, 3223), (579, 3253), (587, 3277), (647, 3451), (664, 3496), (704, 3562), (760, 3661),

Gene: CassieYates_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for CassieYates_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Catalina_14 Start: 9894, Stop: 11381, Start Num: 74

Candidate Starts for Catalina_14:

(Start: 74 @9894 has 530 MA's), (129, 9957), (174, 10062), (252, 10272), (271, 10311), (288, 10344), (301, 10377), (421, 10521), (435, 10557), (440, 10566), (452, 10605), (459, 10632), (461, 10638), (467, 10659), (477, 10689), (486, 10710), (501, 10734), (511, 10749), (601, 11004), (607, 11022), (617, 11052), (619, 11055), (621, 11061), (659, 11172), (662, 11178), (677, 11208), (696, 11253), (706, 11262),

Gene: Caviar_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Caviar_13:

(Start: 74 @8738 has 530 MA's), (117, 8777), (174, 8903), (204, 8987), (233, 9050), (242, 9083), (246, 9101), (265, 9140), (281, 9167), (301, 9218), (414, 9344), (418, 9356), (424, 9371), (425, 9374), (452, 9446), (459, 9473), (461, 9479), (467, 9500), (468, 9506), (477, 9530), (496, 9572), (544, 9677), (584, 9803), (585, 9806), (601, 9857), (603, 9863), (608, 9878), (617, 9908), (662, 10034), (677, 10064), (687, 10094),

Gene: Cedasite_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Cedasite_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Celery_9 Start: 4163, Stop: 5596, Start Num: 108

Candidate Starts for Celery_9:

(79, 4130), (Start: 108 @4163 has 156 MA's), (Start: 166 @4280 has 2 MA's), (184, 4328), (187, 4340), (283, 4583), (325, 4670), (398, 4748), (401, 4754), (449, 4853), (477, 4946), (503, 4985), (520, 5021), (535, 5066), (549, 5123), (601, 5285), (607, 5303), (631, 5360), (680, 5492), (747, 5582),

Gene: Celeste_7 Start: 4057, Stop: 5493, Start Num: 108

Candidate Starts for Celeste_7:

(Start: 99 @4051 has 4 MA's), (Start: 108 @4057 has 156 MA's), (123, 4081), (136, 4105), (Start: 166 @4174 has 2 MA's), (184, 4222), (197, 4273), (249, 4426), (271, 4456), (312, 4540), (346, 4582), (401, 4648), (446, 4738), (449, 4750), (477, 4843), (520, 4921), (535, 4966), (549, 5023), (558, 5047), (623, 5236), (631, 5260), (747, 5479),

Gene: Celia_7 Start: 4355, Stop: 5830, Start Num: 108

Candidate Starts for Celia_7:

(Start: 108 @4355 has 156 MA's), (Start: 121 @4376 has 1 MA's), (Start: 166 @4472 has 2 MA's), (187, 4532), (231, 4664), (237, 4685), (248, 4721), (346, 4883), (382, 4925), (431, 5009), (449, 5048), (463, 5096), (470, 5123), (477, 5141), (485, 5165), (490, 5186), (502, 5222), (520, 5261), (535, 5306), (549, 5363), (558, 5387), (631, 5600), (661, 5690), (680, 5732),

Gene: Cen1621_3 Start: 2349, Stop: 3737, Start Num: 104

Candidate Starts for Cen1621_3:

(Start: 104 @2349 has 48 MA's), (Start: 166 @2469 has 2 MA's), (246, 2694), (404, 2913), (425, 2961), (447, 3003), (463, 3060), (465, 3066), (543, 3231), (573, 3312), (600, 3408), (629, 3468), (647, 3534), (650, 3543), (661, 3570), (664, 3579), (715, 3654),

Gene: Centaur_15 Start: 9707, Stop: 11167, Start Num: 74

Candidate Starts for Centaur_15:

(Start: 74 @9707 has 530 MA's), (129, 9767), (170, 9860), (174, 9872), (288, 10154), (301, 10187), (422, 10334), (425, 10343), (452, 10415), (459, 10442), (461, 10448), (467, 10469), (565, 10697), (601, 10814), (608, 10835), (617, 10862), (621, 10871), (662, 10988), (677, 11018), (685, 11048), (706, 11072),

Gene: CentreCat_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for CentreCat_12:

(Start: 74 @8579 has 530 MA's), (174, 8738), (239, 8906), (246, 8936), (265, 8975), (276, 8993), (301, 9053), (414, 9182), (421, 9200), (459, 9311), (461, 9317), (467, 9338), (468, 9344), (496, 9413), (528, 9473), (544, 9518), (584, 9644), (585, 9647), (601, 9698), (603, 9704), (608, 9719), (617, 9749), (647, 9839), (662, 9875), (667, 9887), (677, 9905), (685, 9935),

Gene: Cerasum_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Cerasum_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432),

(652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Cerulean_12 Start: 8556, Stop: 10007, Start Num: 74

Candidate Starts for Cerulean_12:

(Start: 74 @8556 has 530 MA's), (174, 8715), (239, 8883), (246, 8913), (265, 8952), (276, 8970), (301, 9030), (414, 9159), (421, 9177), (459, 9288), (461, 9294), (467, 9315), (468, 9321), (496, 9390), (528, 9450), (584, 9621), (585, 9624), (601, 9675), (603, 9681), (608, 9696), (617, 9726), (647, 9816), (662, 9852), (667, 9864), (677, 9882), (685, 9912),

Gene: Chadwick_11 Start: 7734, Stop: 9167, Start Num: 75

Candidate Starts for Chadwick_11:

(Start: 75 @7734 has 72 MA's), (167, 7863), (185, 7902), (188, 7917), (252, 8091), (265, 8118), (288, 8163), (301, 8196), (315, 8217), (363, 8277), (424, 8349), (425, 8352), (452, 8424), (461, 8457), (467, 8478), (477, 8508), (584, 8769), (601, 8823), (607, 8841), (621, 8880), (662, 8997), (677, 9027), (685, 9057), (696, 9072), (706, 9081),

Gene: ChampagnePapi_12 Start: 8555, Stop: 10006, Start Num: 74

Candidate Starts for ChampagnePapi_12:

(Start: 74 @8555 has 530 MA's), (174, 8714), (239, 8882), (246, 8912), (265, 8951), (276, 8969), (301, 9029), (414, 9158), (421, 9176), (459, 9287), (461, 9293), (467, 9314), (468, 9320), (496, 9389), (528, 9449), (584, 9620), (585, 9623), (601, 9674), (603, 9680), (608, 9695), (617, 9725), (647, 9815), (662, 9851), (667, 9863), (677, 9881), (685, 9911),

Gene: Chanagan_11 Start: 8273, Stop: 9715, Start Num: 112

Candidate Starts for Chanagan_11:

(64, 8207), (Start: 112 @8273 has 204 MA's), (195, 8471), (288, 8684), (421, 8879), (425, 8891), (459, 8990), (547, 9185), (561, 9224), (584, 9302), (586, 9308), (601, 9356), (605, 9368), (608, 9377), (639, 9467), (677, 9557), (687, 9590), (696, 9602),

Gene: Chance64_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Chance64_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Chancellor_10 Start: 3932, Stop: 5518, Start Num: 50

Candidate Starts for Chancellor_10:

(Start: 49 @3917 has 25 MA's), (Start: 50 @3932 has 160 MA's), (60, 3956), (109, 4022), (135, 4067), (Start: 166 @4139 has 2 MA's), (186, 4196), (188, 4205), (189, 4208), (197, 4238), (231, 4307), (237, 4328), (246, 4364), (248, 4370), (271, 4394), (288, 4430), (294, 4445), (315, 4484), (399, 4619), (404, 4628), (414, 4646), (424, 4673), (425, 4676), (441, 4709), (452, 4742), (457, 4763), (464, 4784), (517, 4847), (526, 4871), (535, 4895), (546, 4943), (550, 4955), (555, 4967), (557, 4973), (571, 5012), (605, 5126), (607, 5132), (650, 5303), (661, 5330), (664, 5339), (693, 5402), (704, 5414),

Gene: Changeling_16 Start: 11068, Stop: 12528, Start Num: 74

Candidate Starts for Changeling_16:

(Start: 74 @11068 has 530 MA's), (129, 11128), (174, 11233), (288, 11515), (301, 11548), (422, 11698), (452, 11779), (459, 11806), (461, 11812), (467, 11833), (601, 12178), (607, 12196), (608, 12199), (612, 12214), (617, 12226), (621, 12235), (662, 12352), (677, 12382), (685, 12412), (706, 12436),

Gene: Chaph_12 Start: 8587, Stop: 10038, Start Num: 74

Candidate Starts for Chaph_12:

(Start: 74 @8587 has 530 MA's), (170, 8734), (174, 8746), (239, 8914), (246, 8944), (265, 8983), (276, 9001), (301, 9061), (414, 9190), (421, 9208), (425, 9220), (459, 9319), (461, 9325), (467, 9346), (468, 9352), (496, 9421), (528, 9481), (544, 9526), (584, 9652), (585, 9655), (601, 9706), (608, 9727), (617, 9757), (647, 9847), (662, 9883), (677, 9913), (685, 9943),

Gene: Chargerpower_13 Start: 8369, Stop: 9832, Start Num: 74

Candidate Starts for Chargerpower_13:

(Start: 74 @8369 has 530 MA's), (90, 8381), (129, 8429), (141, 8453), (174, 8534), (197, 8603), (252, 8744), (288, 8816), (422, 8999), (452, 9080), (459, 9107), (461, 9113), (467, 9134), (486, 9185), (501, 9209), (547, 9308), (601, 9479), (607, 9497), (617, 9527), (621, 9536), (649, 9623), (662, 9653), (677, 9683), (685, 9713), (706, 9737),

Gene: Charm_13 Start: 8077, Stop: 9561, Start Num: 74

Candidate Starts for Charm_13:

(Start: 74 @8077 has 530 MA's), (129, 8137), (174, 8242), (223, 8356), (252, 8452), (288, 8524), (301, 8557), (388, 8668), (421, 8701), (435, 8737), (440, 8746), (452, 8785), (458, 8809), (459, 8812), (461, 8818), (466, 8836), (467, 8839), (486, 8890), (601, 9184), (607, 9202), (617, 9232), (621, 9241), (649, 9328), (659, 9352), (662, 9358), (677, 9388), (696, 9433), (706, 9442),

Gene: Chartreuse_16 Start: 9252, Stop: 10694, Start Num: 97

Candidate Starts for Chartreuse_16:

(Start: 74 @9231 has 530 MA's), (97, 9252), (129, 9291), (167, 9378), (171, 9390), (174, 9396), (288, 9678), (434, 9891), (452, 9942), (459, 9969), (461, 9975), (467, 9996), (608, 10362), (617, 10389), (621, 10398), (640, 10458), (662, 10515), (677, 10545), (685, 10575), (709, 10602),

Gene: Chaser_5 Start: 2379, Stop: 4016, Start Num: 87

Candidate Starts for Chaser_5:

(Start: 87 @2379 has 9 MA's), (137, 2454), (188, 2583), (189, 2586), (197, 2616), (231, 2688), (241, 2724), (251, 2763), (278, 2802), (327, 2895), (372, 2934), (407, 2967), (418, 2991), (421, 2997), (430, 3018), (432, 3024), (433, 3027), (444, 3048), (463, 3114), (520, 3216), (528, 3237), (561, 3345), (562, 3351), (592, 3444), (600, 3471), (628, 3534), (638, 3576), (647, 3603), (648, 3606), (650, 3612), (677, 3672), (690, 3702), (698, 3711), (704, 3717), (757, 3807), (762, 3819), (776, 3897),

Gene: Chavito_9 Start: 3103, Stop: 4653, Start Num: 50

Candidate Starts for Chavito_9:

(31, 2998), (Start: 49 @3088 has 25 MA's), (Start: 50 @3103 has 160 MA's), (131, 3205), (Start: 166 @3286 has 2 MA's), (174, 3310), (188, 3352), (231, 3454), (237, 3475), (241, 3490), (288, 3580), (294, 3595), (333, 3670), (366, 3715), (385, 3745), (395, 3760), (396, 3766), (404, 3784), (425, 3832), (441, 3865), (452, 3898), (457, 3919), (462, 3934), (464, 3940), (473, 3970), (517, 4003), (525, 4021), (535, 4051), (546, 4099), (550, 4111), (552, 4114), (556, 4126), (557, 4129), (573, 4165), (601, 4264), (607, 4282), (628, 4324), (639, 4375), (650, 4399), (660, 4423), (661, 4426), (664, 4435), (720, 4531), (735, 4558),

Gene: Che12_14 Start: 8036, Stop: 9493, Start Num: 74

Candidate Starts for Che12_14:

(Start: 74 @8036 has 530 MA's), (129, 8096), (174, 8201), (288, 8483), (422, 8663), (424, 8669), (452, 8744), (459, 8771), (461, 8777), (467, 8798), (561, 9011), (601, 9143), (607, 9161), (608, 9164), (617, 9191), (621, 9200), (649, 9287), (662, 9317), (677, 9347), (685, 9377), (706, 9401), (721, 9422),

Gene: Che9d_4 Start: 2190, Stop: 3614, Start Num: 73

Candidate Starts for Che9d_4:

(Start: 73 @2190 has 29 MA's), (105, 2223), (140, 2277), (165, 2337), (168, 2346), (184, 2379), (192, 2412), (201, 2442), (228, 2487), (232, 2505), (239, 2529), (241, 2538), (276, 2598), (301, 2658), (307, 2667), (308, 2670), (331, 2703), (350, 2724), (386, 2766), (422, 2805), (427, 2817), (429, 2820), (449, 2877), (450, 2880), (452, 2886), (456, 2901), (465, 2931), (466, 2937), (492, 3015), (534, 3096), (551, 3150), (565, 3195), (571, 3210), (591, 3282), (605, 3327), (607, 3333), (640, 3441), (642, 3450), (645, 3459), (659, 3489), (665, 3504), (679, 3531),

Gene: CheeseTouch_4 Start: 2189, Stop: 3625, Start Num: 73

Candidate Starts for CheeseTouch_4:

(Start: 73 @2189 has 29 MA's), (146, 2291), (168, 2342), (190, 2399), (192, 2408), (227, 2480), (241, 2534), (252, 2567), (281, 2603), (308, 2666), (410, 2774), (422, 2801), (427, 2813), (429, 2816), (450, 2876), (452, 2882), (465, 2927), (466, 2933), (475, 2960), (481, 2978), (492, 3011), (518, 3062), (534, 3092), (551, 3146), (561, 3176), (571, 3206), (607, 3329), (637, 3422), (640, 3437), (656, 3479), (665, 3500), (679, 3527), (694, 3560), (720, 3587),

Gene: CheetoDust_9 Start: 3046, Stop: 4599, Start Num: 50

Candidate Starts for CheetoDust_9:

(31, 2944), (Start: 49 @3031 has 25 MA's), (Start: 50 @3046 has 160 MA's), (128, 3148), (131, 3157), (160, 3229), (Start: 166 @3238 has 2 MA's), (174, 3262), (186, 3295), (188, 3304), (231, 3406), (237, 3427), (247, 3466), (248, 3469), (288, 3532), (294, 3547), (307, 3571), (333, 3622), (351, 3643), (385, 3697), (441, 3817), (452, 3850), (457, 3871), (464, 3892), (473, 3922), (517, 3955), (525, 3973), (541, 4033), (546, 4051), (550, 4063), (552, 4066), (556, 4078), (557, 4081), (573, 4117), (585, 4165), (601, 4216), (607, 4234), (640, 4330), (650, 4351), (661, 4378), (664, 4387), (681, 4423),

Gene: Cheetobro_10 Start: 3932, Stop: 5518, Start Num: 50

Candidate Starts for Cheetobro_10:

(Start: 49 @3917 has 25 MA's), (Start: 50 @3932 has 160 MA's), (60, 3956), (109, 4022), (135, 4067), (Start: 166 @4139 has 2 MA's), (186, 4196), (188, 4205), (189, 4208), (197, 4238), (231, 4307), (237, 4328), (246, 4364), (248, 4370), (271, 4394), (288, 4430), (294, 4445), (315, 4484), (399, 4619), (404, 4628), (414, 4646), (424, 4673), (425, 4676), (441, 4709), (452, 4742), (457, 4763), (464, 4784), (517, 4847), (526, 4871), (535, 4895), (546, 4943), (550, 4955), (555, 4967), (557, 4973), (571, 5012), (605, 5126), (607, 5132), (650, 5303), (661, 5330), (664, 5339), (693, 5402), (704, 5414),

Gene: Cherrybomb426_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Cherrybomb426_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: CherryonLim_6 Start: 3321, Stop: 4760, Start Num: 115

Candidate Starts for CherryonLim_6:

(Start: 115 @3321 has 54 MA's), (133, 3351), (136, 3360), (164, 3429), (190, 3495), (191, 3501), (213, 3537), (228, 3573), (247, 3648), (288, 3717), (301, 3750), (305, 3756), (424, 3903), (425, 3906), (429, 3912), (446, 3957), (454, 3987), (459, 4005), (461, 4011), (474, 4053), (499, 4122), (530, 4188), (554, 4260), (607, 4431), (621, 4464), (640, 4524), (641, 4530), (647, 4545), (662, 4578), (685, 4638), (687, 4641), (759, 4752),

Gene: ChickenDinner_4 Start: 2202, Stop: 3623, Start Num: 108

Candidate Starts for ChickenDinner_4:

(Start: 108 @2202 has 156 MA's), (124, 2229), (131, 2241), (184, 2370), (188, 2388), (190, 2394), (197, 2421), (231, 2490), (241, 2526), (246, 2547), (248, 2553), (271, 2577), (273, 2580), (287, 2607),

(308, 2655), (312, 2661), (323, 2688), (336, 2706), (397, 2799), (406, 2817), (421, 2850), (424, 2859), (425, 2862), (447, 2910), (449, 2919), (457, 2949), (463, 2967), (473, 3000), (526, 3057), (550, 3141), (557, 3159), (565, 3186), (571, 3198), (573, 3201), (575, 3207), (576, 3222), (587, 3255), (628, 3360), (650, 3435), (652, 3441), (655, 3450), (660, 3459), (664, 3471), (693, 3534), (728, 3582),

Gene: ChickenTender_7 Start: 2837, Stop: 4294, Start Num: 115

Candidate Starts for ChickenTender_7:

(Start: 115 @2837 has 54 MA's), (133, 2861), (176, 2972), (180, 2975), (184, 2984), (222, 3065), (244, 3149), (247, 3161), (288, 3230), (391, 3377), (425, 3419), (449, 3482), (454, 3500), (456, 3506), (459, 3518), (461, 3524), (499, 3635), (544, 3752), (554, 3779), (565, 3815), (605, 3944), (607, 3950), (621, 3983), (639, 4040), (640, 4043), (648, 4067), (662, 4097), (685, 4157), (687, 4160), (759, 4271),

Gene: ChipMunk_15 Start: 9611, Stop: 11086, Start Num: 74

Candidate Starts for ChipMunk_15:

(Start: 74 @9611 has 530 MA's), (129, 9671), (174, 9776), (246, 9974), (288, 10058), (301, 10091), (388, 10202), (452, 10319), (459, 10346), (461, 10352), (467, 10373), (468, 10379), (486, 10424), (547, 10547), (601, 10718), (607, 10736), (608, 10739), (617, 10766), (621, 10775), (662, 10892), (677, 10922), (685, 10952), (706, 10976), (760, 11063),

Gene: Chiqui_11 Start: 8414, Stop: 9880, Start Num: 75

Candidate Starts for Chiqui_11:

(Start: 75 @8414 has 72 MA's), (117, 8459), (174, 8585), (204, 8669), (233, 8732), (242, 8765), (246, 8783), (265, 8822), (281, 8849), (418, 9038), (435, 9080), (452, 9128), (458, 9152), (459, 9155), (461, 9161), (467, 9182), (468, 9188), (544, 9359), (584, 9485), (585, 9488), (601, 9539), (603, 9545), (608, 9560), (617, 9590), (662, 9716), (677, 9746), (687, 9776),

Gene: ChocoMunchkin_5 Start: 2796, Stop: 4250, Start Num: 115

Candidate Starts for ChocoMunchkin_5:

(Start: 115 @2796 has 54 MA's), (133, 2820), (180, 2934), (184, 2943), (222, 3024), (244, 3108), (288, 3189), (391, 3336), (425, 3378), (446, 3429), (454, 3459), (459, 3477), (461, 3483), (544, 3711), (554, 3738), (560, 3753), (565, 3774), (591, 3858), (598, 3882), (648, 4026), (656, 4044), (662, 4056), (663, 4059), (685, 4116), (687, 4119), (759, 4227),

Gene: Chris_8 Start: 2961, Stop: 4514, Start Num: 50

Candidate Starts for Chris_8:

(31, 2856), (Start: 49 @2946 has 25 MA's), (Start: 50 @2961 has 160 MA's), (70, 2997), (131, 3075), (135, 3084), (Start: 166 @3156 has 2 MA's), (174, 3180), (181, 3198), (186, 3213), (188, 3222), (189, 3225), (237, 3345), (241, 3360), (247, 3384), (248, 3387), (294, 3465), (315, 3504), (351, 3561), (396, 3636), (441, 3735), (452, 3768), (457, 3789), (464, 3810), (517, 3873), (525, 3891), (535, 3921), (546, 3969), (550, 3981), (552, 3984), (556, 3996), (557, 3999), (600, 4131), (607, 4152), (637, 4233), (639, 4245), (640, 4248), (650, 4269), (660, 4293), (661, 4296), (664, 4305), (681, 4341), (735, 4428),

Gene: ChuckDuck_3 Start: 2383, Stop: 3747, Start Num: 100

Candidate Starts for ChuckDuck_3:

(Start: 100 @2383 has 21 MA's), (182, 2551), (187, 2569), (196, 2605), (248, 2743), (260, 2779), (308, 2890), (324, 2920), (363, 2965), (381, 2986), (418, 3019), (446, 3082), (463, 3139), (539, 3298), (552, 3331), (571, 3385), (595, 3463), (601, 3487), (640, 3589), (641, 3595), (718, 3739),

Gene: Chucky_7 Start: 4056, Stop: 5492, Start Num: 108

Candidate Starts for Chucky_7:

(Start: 99 @4050 has 4 MA's), (Start: 108 @4056 has 156 MA's), (123, 4080), (136, 4104), (Start: 166 @4173 has 2 MA's), (184, 4221), (187, 4233), (197, 4272), (249, 4425), (312, 4539), (346, 4581), (398, 4641), (401, 4647), (446, 4737), (449, 4749), (470, 4824), (477, 4842), (520, 4920), (535, 4965), (549,

5022), (623, 5235), (631, 5259), (680, 5391), (726, 5457), (747, 5478),

Gene: Chupacabra_12 Start: 8376, Stop: 9818, Start Num: 74

Candidate Starts for Chupacabra_12:

(Start: 74 @8376 has 530 MA's), (174, 8535), (197, 8604), (233, 8682), (242, 8715), (246, 8733), (264, 8772), (266, 8775), (363, 8934), (418, 8991), (425, 9009), (459, 9108), (461, 9114), (467, 9135), (468, 9141), (544, 9315), (584, 9441), (585, 9444), (601, 9495), (603, 9501), (608, 9516), (617, 9546), (621, 9555), (647, 9636), (662, 9672), (677, 9702), (702, 9753),

Gene: Ciao_12 Start: 8659, Stop: 10101, Start Num: 112

Candidate Starts for Ciao_12:

(64, 8593), (Start: 112 @8659 has 204 MA's), (195, 8857), (288, 9070), (421, 9265), (422, 9268), (425, 9277), (459, 9376), (547, 9571), (561, 9610), (584, 9688), (586, 9694), (601, 9742), (605, 9754), (608, 9763), (621, 9796), (639, 9853), (677, 9943), (687, 9976), (696, 9988),

Gene: CicholasNage_5 Start: 2626, Stop: 4299, Start Num: 84

Candidate Starts for CicholasNage_5:

(Start: 84 @2626 has 64 MA's), (131, 2689), (150, 2743), (165, 2767), (189, 2836), (195, 2860), (231, 2938), (241, 2974), (286, 3067), (287, 3070), (327, 3145), (372, 3184), (421, 3247), (432, 3274), (433, 3277), (444, 3298), (450, 3319), (462, 3361), (463, 3364), (520, 3466), (526, 3481), (528, 3487), (552, 3568), (561, 3595), (562, 3601), (592, 3694), (600, 3721), (603, 3730), (628, 3784), (633, 3805), (638, 3826), (647, 3853), (650, 3862), (677, 3922), (690, 3952), (698, 3961), (762, 4069), (782, 4264),

Gene: Cici_12 Start: 8575, Stop: 10026, Start Num: 74

Candidate Starts for Cici_12:

(Start: 74 @8575 has 530 MA's), (170, 8725), (174, 8737), (233, 8884), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (281, 9001), (301, 9052), (414, 9181), (421, 9199), (440, 9244), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (607, 9715), (608, 9718), (617, 9745), (649, 9841), (662, 9871), (677, 9901), (685, 9931),

Gene: Cindaradix_11 Start: 8284, Stop: 9738, Start Num: 74

Candidate Starts for Cindaradix_11:

(Start: 74 @8284 has 530 MA's), (170, 8434), (174, 8446), (233, 8593), (239, 8614), (246, 8644), (265, 8683), (276, 8701), (301, 8761), (414, 8890), (421, 8908), (425, 8920), (459, 9019), (461, 9025), (467, 9046), (468, 9052), (496, 9121), (544, 9226), (584, 9352), (585, 9355), (601, 9406), (608, 9427), (617, 9457), (647, 9547), (662, 9583), (677, 9613), (685, 9643), (756, 9724),

Gene: Cintron_12 Start: 8623, Stop: 10077, Start Num: 74

Candidate Starts for Cintron_12:

(Start: 74 @8623 has 530 MA's), (170, 8773), (174, 8785), (239, 8953), (246, 8983), (265, 9022), (276, 9040), (301, 9100), (414, 9229), (421, 9247), (459, 9358), (461, 9364), (467, 9385), (468, 9391), (496, 9460), (528, 9520), (544, 9565), (565, 9628), (584, 9691), (585, 9694), (601, 9745), (608, 9766), (617, 9796), (647, 9886), (662, 9922), (677, 9952), (685, 9982),

Gene: Citius_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Citius_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Clarenza_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Clarenza_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Clarkson_37 Start: 12859, Stop: 14424, Start Num: 48

Candidate Starts for Clarkson_37:

(Start: 48 @12859 has 17 MA's), (119, 12976), (122, 12982), (172, 13096), (190, 13141), (192, 13150), (233, 13240), (245, 13288), (246, 13291), (277, 13333), (281, 13336), (289, 13360), (334, 13432), (337, 13435), (367, 13474), (384, 13495), (386, 13498), (424, 13543), (456, 13633), (458, 13642), (461, 13651), (474, 13693), (475, 13696), (488, 13735), (510, 13777), (512, 13783), (514, 13786), (532, 13831), (554, 13900), (584, 13999), (588, 14011), (622, 14110), (641, 14176), (651, 14197), (656, 14212), (706, 14305), (717, 14320),

Gene: Claus_5 Start: 2650, Stop: 4305, Start Num: 84

Candidate Starts for Claus_5:

(Start: 84 @2650 has 64 MA's), (131, 2713), (165, 2791), (189, 2860), (195, 2884), (197, 2890), (231, 2962), (241, 2998), (248, 3025), (278, 3076), (327, 3169), (372, 3208), (418, 3265), (421, 3271), (425, 3283), (430, 3292), (432, 3298), (433, 3301), (444, 3322), (450, 3343), (452, 3349), (463, 3388), (516, 3484), (528, 3511), (561, 3619), (562, 3625), (592, 3718), (600, 3745), (628, 3808), (633, 3829), (638, 3850), (647, 3877), (650, 3886), (677, 3946), (690, 3976), (698, 3985), (704, 3991), (757, 4081), (762, 4093), (767, 4126), (774, 4165), (782, 4270),

Gene: Clautastrophe_6 Start: 2756, Stop: 4399, Start Num: 84

Candidate Starts for Clautastrophe_6:

(Start: 84 @2756 has 64 MA's), (128, 2816), (189, 2966), (197, 2996), (231, 3068), (249, 3134), (278, 3182), (327, 3275), (372, 3314), (432, 3404), (437, 3413), (444, 3428), (528, 3617), (538, 3650), (548, 3689), (562, 3731), (628, 3914), (638, 3956), (647, 3983), (650, 3992), (677, 4052), (690, 4082), (698, 4091), (747, 4166), (762, 4199),

Gene: Cleo_5 Start: 2976, Stop: 4424, Start Num: 115

Candidate Starts for Cleo_5:

(52, 2889), (Start: 115 @2976 has 54 MA's), (145, 3030), (147, 3036), (172, 3099), (190, 3144), (227, 3213), (229, 3219), (288, 3360), (301, 3393), (334, 3438), (422, 3543), (424, 3549), (454, 3633), (461, 3657), (463, 3663), (485, 3726), (530, 3834), (554, 3906), (596, 4041), (604, 4068), (606, 4074), (607, 4077), (626, 4113), (640, 4170), (656, 4212), (663, 4227), (695, 4296), (759, 4398),

Gene: Clipper_10 Start: 3046, Stop: 4599, Start Num: 50

Candidate Starts for Clipper_10:

(31, 2944), (Start: 49 @3031 has 25 MA's), (Start: 50 @3046 has 160 MA's), (128, 3145), (131, 3154), (160, 3226), (Start: 166 @3235 has 2 MA's), (174, 3259), (186, 3292), (188, 3301), (197, 3334), (231, 3403), (237, 3424), (248, 3466), (288, 3532), (294, 3547), (333, 3622), (351, 3643), (385, 3697), (441, 3817), (452, 3850), (457, 3871), (464, 3892), (473, 3922), (517, 3955), (525, 3973), (541, 4033), (546, 4051), (550, 4063), (552, 4066), (556, 4078), (557, 4081), (573, 4117), (585, 4165), (601, 4216), (607, 4234), (640, 4330), (650, 4351), (661, 4378), (664, 4387), (681, 4423),

Gene: CloudWang3_16 Start: 9262, Stop: 10725, Start Num: 74

Candidate Starts for CloudWang3_16:

(Start: 74 @9262 has 530 MA's), (97, 9283), (129, 9322), (167, 9409), (171, 9421), (174, 9427), (288, 9709), (315, 9763), (434, 9922), (452, 9973), (459, 10000), (461, 10006), (467, 10027), (518, 10129), (561, 10240), (608, 10393), (612, 10408), (617, 10420), (621, 10429), (641, 10495), (649, 10516), (662, 10546), (677, 10576), (685, 10606), (709, 10633),

Gene: Coco12_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Coco12_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Cocoaberry_12 Start: 8582, Stop: 10033, Start Num: 74

Candidate Starts for Cocoaberry_12:

(Start: 74 @8582 has 530 MA's), (170, 8729), (174, 8741), (239, 8909), (246, 8939), (265, 8978), (276, 8996), (301, 9056), (414, 9185), (421, 9203), (425, 9215), (459, 9314), (461, 9320), (467, 9341), (468, 9347), (496, 9416), (528, 9476), (544, 9521), (584, 9647), (585, 9650), (601, 9701), (608, 9722), (617, 9752), (647, 9842), (662, 9878), (677, 9908), (685, 9938),

Gene: Colbster_14 Start: 8654, Stop: 10108, Start Num: 74

Candidate Starts for Colbster_14:

(Start: 74 @8654 has 530 MA's), (Start: 114 @8684 has 8 MA's), (129, 8711), (174, 8816), (223, 8930), (242, 8996), (265, 9053), (301, 9131), (303, 9134), (421, 9275), (459, 9386), (461, 9392), (467, 9413), (544, 9578), (584, 9704), (601, 9758), (603, 9764), (608, 9779), (621, 9815), (649, 9902), (662, 9932), (677, 9962), (696, 10007), (706, 10016),

Gene: Coleslaw_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Coleslaw_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Colin_17 Start: 10885, Stop: 12345, Start Num: 74

Candidate Starts for Colin_17:

(Start: 74 @10885 has 530 MA's), (129, 10945), (174, 11050), (288, 11332), (301, 11365), (422, 11512), (425, 11521), (452, 11593), (459, 11620), (461, 11626), (467, 11647), (486, 11698), (601, 11992), (607, 12010), (608, 12013), (617, 12040), (621, 12049), (662, 12166), (677, 12196), (685, 12226), (706, 12250),

Gene: Collard_7 Start: 2765, Stop: 4300, Start Num: 50

Candidate Starts for Collard_7:

(Start: 50 @2765 has 160 MA's), (109, 2837), (131, 2873), (135, 2882), (149, 2927), (186, 3011), (189, 3023), (197, 3053), (207, 3071), (231, 3122), (241, 3158), (248, 3185), (286, 3236), (287, 3239), (288, 3245), (294, 3260), (297, 3263), (333, 3335), (351, 3356), (370, 3386), (396, 3431), (421, 3485), (441, 3530), (452, 3563), (462, 3599), (463, 3602), (464, 3605), (517, 3668), (525, 3686), (526, 3692), (546, 3764), (550, 3776), (552, 3779), (557, 3794), (575, 3839), (576, 3854), (583, 3875), (600, 3929), (601, 3932), (607, 3950), (612, 3965), (637, 4031), (640, 4046), (650, 4067), (657, 4085), (664, 4103), (681, 4139), (735, 4226),

Gene: Colleen_4 Start: 2870, Stop: 4285, Start Num: 86

Candidate Starts for Colleen_4:

(Start: 86 @2870 has 5 MA's), (142, 2960), (189, 3089), (195, 3113), (231, 3185), (241, 3221), (362, 3458), (404, 3512), (446, 3608), (461, 3662), (474, 3704), (520, 3746), (579, 3944), (647, 4142),

Gene: Commander_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Commander_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Community_4 Start: 3337, Stop: 4719, Start Num: 104

Candidate Starts for Community_4:

(Start: 104 @3337 has 48 MA's), (Start: 166 @3457 has 2 MA's), (197, 3556), (318, 3820), (478, 4093), (555, 4252), (573, 4300), (579, 4330), (587, 4354), (647, 4528), (710, 4648),

Gene: Conan_8 Start: 3902, Stop: 5335, Start Num: 108

Candidate Starts for Conan_8:

(Start: 108 @3902 has 156 MA's), (Start: 166 @4019 has 2 MA's), (184, 4067), (187, 4079), (283, 4322), (325, 4409), (382, 4469), (398, 4487), (401, 4493), (449, 4592), (470, 4667), (477, 4685), (503, 4724), (520, 4760), (549, 4862), (601, 5024), (607, 5042), (631, 5099), (661, 5189), (680, 5231), (726, 5297), (747, 5321),

Gene: ConceptII_12 Start: 8910, Stop: 10352, Start Num: 112

Candidate Starts for ConceptII_12:

(64, 8844), (Start: 112 @8910 has 204 MA's), (195, 9108), (288, 9321), (421, 9516), (422, 9519), (459, 9627), (484, 9699), (547, 9822), (561, 9861), (584, 9939), (586, 9945), (601, 9993), (605, 10005), (608, 10014), (621, 10047), (639, 10104), (677, 10194), (687, 10227), (696, 10239),

Gene: Confidence_3 Start: 2281, Stop: 3729, Start Num: 77

Candidate Starts for Confidence_3:

(35, 2128), (Start: 77 @2281 has 21 MA's), (183, 2467), (191, 2500), (202, 2533), (223, 2557), (237, 2605), (360, 2815), (422, 2884), (425, 2893), (458, 2989), (461, 2998), (497, 3100), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3676),

Gene: Connomayer_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Connomayer_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Conquerage_14 Start: 9923, Stop: 11410, Start Num: 74

Candidate Starts for Conquerage_14:

(Start: 74 @9923 has 530 MA's), (129, 9986), (174, 10091), (197, 10160), (252, 10301), (271, 10340), (288, 10373), (315, 10427), (421, 10550), (435, 10586), (440, 10595), (452, 10634), (459, 10661), (461, 10667), (467, 10688), (468, 10694), (486, 10739), (501, 10763), (511, 10778), (601, 11033), (607, 11051), (617, 11081), (619, 11084), (621, 11090), (659, 11201), (662, 11207), (677, 11237), (696, 11282), (706, 11291),

Gene: Conspiracy_10 Start: 7757, Stop: 9190, Start Num: 75

Candidate Starts for Conspiracy_10:

(Start: 75 @7757 has 72 MA's), (185, 7925), (188, 7940), (190, 7946), (252, 8114), (265, 8141), (301, 8219), (363, 8300), (424, 8372), (425, 8375), (452, 8447), (461, 8480), (467, 8501), (477, 8531), (501, 8576), (584, 8792), (601, 8846), (607, 8864), (621, 8903), (662, 9020), (677, 9050), (685, 9080), (706,

9104),

Gene: Constance_3 Start: 2384, Stop: 3745, Start Num: 100

Candidate Starts for Constance_3:

(Start: 100 @2384 has 21 MA's), (156, 2501), (182, 2552), (187, 2570), (196, 2606), (223, 2654), (260, 2780), (293, 2861), (308, 2891), (363, 2966), (425, 3035), (458, 3125), (463, 3140), (552, 3332), (571, 3386), (609, 3506), (641, 3596), (689, 3710),

Gene: Coog_10 Start: 7907, Stop: 9340, Start Num: 75

Candidate Starts for Coog_10:

(Start: 75 @7907 has 72 MA's), (179, 8063), (185, 8075), (188, 8090), (190, 8096), (252, 8264), (265, 8291), (301, 8369), (363, 8450), (424, 8522), (425, 8525), (452, 8597), (461, 8630), (467, 8651), (473, 8669), (477, 8681), (501, 8726), (584, 8942), (601, 8996), (607, 9014), (621, 9053), (662, 9170), (677, 9200), (685, 9230), (706, 9254),

Gene: CookieBear_4 Start: 2275, Stop: 3612, Start Num: 111

Candidate Starts for CookieBear_4:

(44, 2152), (46, 2155), (Start: 55 @2197 has 21 MA's), (60, 2209), (Start: 96 @2263 has 3 MA's), (Start: 111 @2275 has 22 MA's), (138, 2323), (165, 2386), (170, 2398), (277, 2656), (301, 2713), (328, 2761), (415, 2848), (418, 2857), (430, 2884), (457, 2965), (461, 2977), (462, 2980), (468, 3004), (547, 3172), (565, 3226), (584, 3289), (587, 3298), (604, 3352), (619, 3391), (640, 3457), (677, 3538), (681, 3547), (716, 3598),

Gene: Cookiedough_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for Cookiedough_16:

(Start: 74 @9274 has 530 MA's), (97, 9295), (129, 9334), (167, 9421), (171, 9433), (174, 9439), (288, 9721), (434, 9934), (452, 9985), (459, 10012), (461, 10018), (467, 10039), (608, 10405), (617, 10432), (621, 10441), (640, 10501), (662, 10558), (677, 10588), (685, 10618), (709, 10645),

Gene: Corazon_34 Start: 12812, Stop: 14377, Start Num: 48

Candidate Starts for Corazon_34:

(Start: 48 @12812 has 17 MA's), (119, 12929), (172, 13049), (190, 13094), (192, 13103), (233, 13193), (245, 13241), (246, 13244), (277, 13286), (281, 13289), (289, 13313), (334, 13385), (337, 13388), (367, 13427), (384, 13448), (386, 13451), (424, 13496), (456, 13586), (458, 13595), (461, 13604), (474, 13646), (475, 13649), (488, 13688), (510, 13730), (512, 13736), (514, 13739), (532, 13784), (554, 13853), (584, 13952), (588, 13964), (622, 14063), (641, 14129), (651, 14150), (656, 14165), (706, 14258), (717, 14273),

Gene: Cornucopia_4 Start: 2201, Stop: 3622, Start Num: 108

Candidate Starts for Cornucopia_4:

(Start: 108 @2201 has 156 MA's), (124, 2228), (131, 2240), (184, 2369), (189, 2390), (197, 2420), (231, 2489), (237, 2510), (246, 2546), (248, 2552), (271, 2576), (273, 2579), (308, 2654), (312, 2660), (336, 2705), (366, 2747), (421, 2849), (424, 2858), (425, 2861), (430, 2870), (444, 2900), (447, 2909), (457, 2948), (463, 2966), (464, 2969), (473, 2999), (526, 3056), (538, 3095), (550, 3140), (557, 3158), (565, 3185), (571, 3197), (573, 3200), (575, 3206), (587, 3254), (629, 3362), (650, 3434), (655, 3449), (660, 3458), (661, 3461), (684, 3521), (693, 3533), (716, 3557), (728, 3581),

Gene: Corvo_12 Start: 8854, Stop: 10296, Start Num: 112

Candidate Starts for Corvo_12:

(64, 8788), (Start: 112 @8854 has 204 MA's), (195, 9052), (288, 9265), (421, 9460), (425, 9472), (459, 9571), (547, 9766), (561, 9805), (584, 9883), (586, 9889), (601, 9937), (605, 9949), (608, 9958), (639, 10048), (677, 10138), (687, 10171), (696, 10183),

Gene: CosmicSans_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for CosmicSans_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Cosmo_27 Start: 9741, Stop: 11180, Start Num: 87

Candidate Starts for Cosmo_27:

(63, 9708), (Start: 80 @9732 has 8 MA's), (Start: 87 @9741 has 9 MA's), (123, 9792), (131, 9804), (136, 9816), (187, 9948), (188, 9954), (189, 9957), (190, 9960), (195, 9981), (197, 9987), (230, 10047), (231, 10056), (237, 10077), (267, 10155), (411, 10335), (425, 10365), (433, 10383), (441, 10398), (450, 10425), (459, 10458), (463, 10470), (464, 10473), (481, 10518), (516, 10554), (526, 10575), (543, 10638), (561, 10689), (584, 10761), (601, 10815), (604, 10824), (635, 10905), (641, 10935), (660, 10977), (672, 11004), (701, 11055), (709, 11064), (751, 11121), (763, 11160),

Gene: Cota_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for Cota_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (223, 2126), (227, 2135), (237, 2174), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (302, 2315), (304, 2318), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (389, 2414), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (499, 2657), (506, 2666), (534, 2708), (537, 2723), (547, 2753), (549, 2759), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (603, 2930), (608, 2945), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: Cozz_5 Start: 2789, Stop: 4246, Start Num: 115

Candidate Starts for Cozz_5:

(Start: 115 @2789 has 54 MA's), (133, 2813), (176, 2924), (180, 2927), (184, 2936), (222, 3017), (244, 3101), (247, 3113), (288, 3182), (391, 3329), (425, 3371), (449, 3434), (454, 3452), (456, 3458), (459, 3470), (461, 3476), (499, 3587), (544, 3704), (554, 3731), (565, 3767), (605, 3896), (607, 3902), (621, 3935), (639, 3992), (640, 3995), (648, 4019), (662, 4049), (685, 4109), (687, 4112), (759, 4223),

Gene: Crater_3 Start: 2144, Stop: 3622, Start Num: 62

Candidate Starts for Crater_3:

(Start: 62 @2144 has 13 MA's), (92, 2177), (Start: 100 @2186 has 21 MA's), (129, 2225), (140, 2246), (141, 2249), (142, 2252), (180, 2342), (184, 2351), (185, 2354), (226, 2441), (227, 2444), (241, 2498), (259, 2546), (269, 2561), (281, 2573), (289, 2597), (308, 2636), (350, 2687), (363, 2705), (391, 2735), (408, 2738), (418, 2759), (422, 2768), (429, 2783), (430, 2786), (440, 2810), (458, 2873), (461, 2882), (475, 2927), (481, 2945), (486, 2954), (517, 3023), (532, 3065), (568, 3179), (584, 3233), (596, 3269), (607, 3305), (621, 3344), (628, 3350), (647, 3425), (648, 3428), (656, 3446), (730, 3569),

Gene: Crespo_3 Start: 1889, Stop: 3403, Start Num: 59

Candidate Starts for Crespo_3:

(9, 1322), (16, 1490), (18, 1505), (24, 1634), (Start: 59 @1889 has 72 MA's), (117, 1952), (118, 1955), (123, 1964), (184, 2096), (238, 2243), (239, 2246), (286, 2336), (301, 2375), (308, 2387), (356, 2450), (360, 2456), (414, 2498), (427, 2531), (450, 2594), (461, 2633), (474, 2675), (489, 2720), (499, 2744), (506, 2753), (534, 2810), (546, 2852), (553, 2870), (554, 2873), (601, 3029), (634, 3119), (641, 3155), (662, 3206), (673, 3230),

Gene: Crewmate_4 Start: 2695, Stop: 4074, Start Num: 104

Candidate Starts for Crewmate_4:

(Start: 104 @2695 has 48 MA's), (Start: 166 @2815 has 2 MA's), (197, 2914), (318, 3178), (412, 3271), (478, 3451), (555, 3607), (573, 3655), (579, 3685), (587, 3709), (647, 3883), (664, 3928), (710, 4003),

Gene: CrimD_9 Start: 2995, Stop: 4548, Start Num: 50

Candidate Starts for CrimD_9:

(28, 2866), (31, 2893), (Start: 49 @2980 has 25 MA's), (Start: 50 @2995 has 160 MA's), (128, 3094), (131, 3103), (160, 3175), (Start: 166 @3184 has 2 MA's), (174, 3208), (186, 3241), (197, 3283), (231, 3352), (237, 3373), (247, 3412), (288, 3481), (294, 3496), (333, 3571), (351, 3592), (385, 3646), (441, 3766), (452, 3799), (457, 3820), (464, 3841), (473, 3871), (517, 3904), (525, 3922), (546, 4000), (550, 4012), (552, 4015), (556, 4027), (557, 4030), (573, 4066), (585, 4114), (607, 4183), (640, 4279), (650, 4300), (661, 4327), (664, 4336), (681, 4372), (717, 4426),

Gene: Crispicous1_11 Start: 8138, Stop: 9580, Start Num: 112

Candidate Starts for Crispicous1_11:

(64, 8072), (Start: 112 @8138 has 204 MA's), (195, 8336), (288, 8549), (421, 8744), (425, 8756), (459, 8855), (484, 8927), (547, 9050), (561, 9089), (584, 9167), (586, 9173), (601, 9221), (605, 9233), (608, 9242), (639, 9332), (677, 9422), (687, 9455), (696, 9467),

Gene: Crossroads_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Crossroads_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (520, 3478), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Crucio_13 Start: 9170, Stop: 10633, Start Num: 74

Candidate Starts for Crucio_13:

(Start: 74 @9170 has 530 MA's), (129, 9230), (174, 9335), (246, 9533), (288, 9617), (301, 9650), (388, 9761), (452, 9878), (459, 9905), (461, 9911), (467, 9932), (486, 9983), (547, 10106), (601, 10277), (607, 10295), (608, 10298), (617, 10325), (621, 10334), (662, 10451), (677, 10481), (685, 10511),

Gene: Cuco_10 Start: 7938, Stop: 9371, Start Num: 75

Candidate Starts for Cuco_10:

(Start: 75 @7938 has 72 MA's), (179, 8094), (185, 8106), (188, 8121), (190, 8127), (252, 8295), (265, 8322), (301, 8400), (363, 8481), (424, 8553), (425, 8556), (452, 8628), (461, 8661), (467, 8682), (473, 8700), (477, 8712), (501, 8757), (584, 8973), (601, 9027), (607, 9045), (621, 9084), (649, 9171), (662, 9201), (677, 9231), (685, 9261), (706, 9285),

Gene: Cueyllyss_12 Start: 8807, Stop: 10291, Start Num: 112

Candidate Starts for Cueyllyss_12:

(64, 8741), (Start: 112 @8807 has 204 MA's), (195, 9005), (288, 9218), (421, 9413), (425, 9425), (459, 9524), (484, 9596), (547, 9719), (561, 9758), (584, 9836), (586, 9842), (601, 9890), (605, 9902), (608, 9911), (639, 10001), (677, 10091), (687, 10124), (696, 10136),

Gene: Cullens_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for Cullens_14:

(Start: 74 @8652 has 530 MA's), (Start: 114 @8682 has 8 MA's), (129, 8709), (174, 8814), (223, 8928), (242, 8994), (265, 9051), (301, 9129), (303, 9132), (421, 9273), (459, 9384), (461, 9390), (467, 9411), (544, 9576), (584, 9702), (601, 9756), (603, 9762), (608, 9777), (621, 9813), (649, 9900), (662, 9930), (677, 9960), (696, 10005), (706, 10014),

Gene: Curiosium_10 Start: 3386, Stop: 4957, Start Num: 49

Candidate Starts for Curiosium_10:

(31, 3293), (Start: 49 @3386 has 25 MA's), (Start: 50 @3401 has 160 MA's), (92, 3449), (128, 3497), (131, 3506), (135, 3515), (Start: 166 @3587 has 2 MA's), (174, 3611), (186, 3644), (188, 3653), (231, 3755), (237, 3776), (241, 3791), (246, 3812), (248, 3818), (288, 3881), (294, 3896), (315, 3935), (351, 3992), (441, 4166), (457, 4220), (462, 4235), (464, 4241), (473, 4271), (525, 4322), (546, 4400), (550, 4412), (552, 4415), (556, 4427), (557, 4430), (561, 4442), (573, 4466), (607, 4583), (639, 4676), (640, 4679), (650, 4700), (660, 4724), (661, 4727), (664, 4736), (704, 4811), (735, 4859),

Gene: Cyan_3 Start: 2269, Stop: 3645, Start Num: 104

Candidate Starts for Cyan_3:

(Start: 104 @2269 has 48 MA's), (Start: 166 @2389 has 2 MA's), (197, 2488), (216, 2527), (318, 2752), (343, 2767), (412, 2845), (478, 3025), (558, 3193), (573, 3232), (579, 3262), (587, 3286), (647, 3460), (650, 3469), (710, 3580),

Gene: D29_14 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for D29_14:

(Start: 74 @9159 has 530 MA's), (129, 9219), (170, 9312), (174, 9324), (281, 9588), (288, 9606), (388, 9750), (424, 9792), (452, 9867), (459, 9894), (461, 9900), (467, 9921), (468, 9927), (601, 10266), (608, 10287), (617, 10314), (621, 10323), (649, 10410), (662, 10440), (677, 10470), (685, 10500), (706, 10524),

Gene: D32_16 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for D32_16:

(Start: 74 @9159 has 530 MA's), (129, 9219), (170, 9312), (174, 9324), (281, 9588), (288, 9606), (388, 9750), (424, 9792), (452, 9867), (459, 9894), (461, 9900), (467, 9921), (468, 9927), (601, 10266), (608, 10287), (617, 10314), (621, 10323), (649, 10410), (662, 10440), (677, 10470), (685, 10500), (706, 10524),

Gene: DBQu4n_16 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for DBQu4n_16:

(Start: 74 @9159 has 530 MA's), (129, 9219), (170, 9312), (174, 9324), (288, 9606), (388, 9750), (424, 9792), (452, 9867), (459, 9894), (461, 9900), (467, 9921), (468, 9927), (601, 10266), (608, 10287), (617, 10314), (621, 10323), (649, 10410), (662, 10440), (677, 10470), (685, 10500), (706, 10524),

Gene: DD5_13 Start: 9389, Stop: 10831, Start Num: 112

Candidate Starts for DD5_13:

(64, 9323), (Start: 112 @9389 has 204 MA's), (195, 9587), (288, 9800), (421, 9995), (425, 10007), (459, 10106), (547, 10301), (561, 10340), (584, 10418), (586, 10424), (600, 10469), (601, 10472), (605, 10484), (608, 10493), (621, 10526), (639, 10583), (677, 10673), (687, 10706), (696, 10718),

Gene: DHan_5 Start: 2586, Stop: 4241, Start Num: 84

Candidate Starts for DHan_5:

(Start: 84 @2586 has 64 MA's), (131, 2649), (165, 2727), (189, 2796), (195, 2820), (197, 2826), (231, 2898), (241, 2934), (248, 2961), (278, 3012), (327, 3105), (372, 3144), (418, 3201), (421, 3207), (425, 3219), (430, 3228), (432, 3234), (433, 3237), (444, 3258), (450, 3279), (452, 3285), (463, 3324), (516, 3420), (528, 3447), (561, 3555), (562, 3561), (592, 3654), (600, 3681), (628, 3744), (633, 3765), (638, 3786), (647, 3813), (650, 3822), (677, 3882), (690, 3912), (698, 3921), (704, 3927), (757, 4017), (762, 4029), (767, 4062), (774, 4101), (782, 4206),

Gene: DMoney_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for DMoney_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: DNAIII_003 Start: 1897, Stop: 3411, Start Num: 59

Candidate Starts for DNAIII_003:

(9, 1330), (16, 1498), (18, 1513), (24, 1642), (Start: 59 @1897 has 72 MA's), (117, 1960), (118, 1963), (123, 1972), (184, 2104), (238, 2251), (239, 2254), (286, 2344), (301, 2383), (308, 2395), (356, 2458), (360, 2464), (414, 2506), (427, 2539), (450, 2602), (461, 2641), (474, 2683), (489, 2728), (499, 2752), (506, 2761), (534, 2818), (546, 2860), (553, 2878), (554, 2881), (601, 3037), (634, 3127), (641, 3163), (662, 3214), (673, 3238),

Gene: DS6A_6 Start: 3643, Stop: 5166, Start Num: 108

Candidate Starts for DS6A_6:

(Start: 108 @3643 has 156 MA's), (128, 3673), (131, 3682), (135, 3691), (142, 3709), (149, 3736), (Start: 166 @3763 has 2 MA's), (186, 3820), (187, 3823), (193, 3847), (197, 3862), (231, 3931), (237, 3952), (241, 3967), (248, 3994), (271, 4018), (349, 4162), (366, 4189), (368, 4192), (394, 4237), (406, 4273), (414, 4288), (421, 4306), (424, 4315), (425, 4318), (442, 4354), (462, 4420), (464, 4426), (473, 4456), (480, 4477), (517, 4498), (523, 4513), (526, 4522), (557, 4621), (561, 4633), (571, 4660), (583, 4705), (590, 4726), (600, 4759), (607, 4780), (638, 4861), (660, 4927), (661, 4930), (664, 4939), (677, 4963), (688, 4993), (754, 5104),

Gene: DaHudson_14 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for DaHudson_14:

(Start: 74 @8646 has 530 MA's), (Start: 114 @8676 has 8 MA's), (129, 8703), (174, 8808), (223, 8922), (242, 8988), (265, 9045), (301, 9123), (303, 9126), (421, 9267), (459, 9378), (461, 9384), (467, 9405), (544, 9570), (584, 9696), (601, 9750), (603, 9756), (608, 9771), (621, 9807), (649, 9894), (662, 9924), (677, 9954), (696, 9999), (706, 10008),

Gene: DaVinci_16 Start: 9285, Stop: 10748, Start Num: 74

Candidate Starts for DaVinci_16:

(Start: 74 @9285 has 530 MA's), (97, 9306), (129, 9345), (167, 9432), (171, 9444), (174, 9450), (288, 9732), (434, 9945), (452, 9996), (459, 10023), (461, 10029), (467, 10050), (608, 10416), (617, 10443), (621, 10452), (640, 10512), (662, 10569), (677, 10599), (685, 10629), (709, 10656),

Gene: DaWorst_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for DaWorst_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Dadosky_7 Start: 2788, Stop: 4326, Start Num: 50

Candidate Starts for Dadosky_7:

(Start: 50 @2788 has 160 MA's), (128, 2890), (131, 2899), (149, 2953), (186, 3037), (189, 3049), (197, 3079), (207, 3097), (231, 3148), (241, 3184), (247, 3208), (248, 3211), (287, 3265), (294, 3286), (333, 3361), (351, 3382), (370, 3412), (396, 3457), (421, 3511), (441, 3556), (452, 3589), (462, 3625), (464, 3631), (517, 3694), (525, 3712), (546, 3790), (550, 3802), (552, 3805), (557, 3820), (575, 3865), (576, 3880), (583, 3901), (585, 3907), (600, 3955), (601, 3958), (607, 3976), (612, 3991), (637, 4057), (640,

4072), (650, 4093), (664, 4129), (681, 4165), (735, 4252),

Gene: Daishi_13 Start: 7579, Stop: 9033, Start Num: 74

Candidate Starts for Daishi_13:

(Start: 74 @7579 has 530 MA's), (Start: 114 @7609 has 8 MA's), (129, 7636), (174, 7741), (223, 7855), (242, 7921), (265, 7978), (301, 8056), (303, 8059), (421, 8200), (459, 8311), (461, 8317), (467, 8338), (544, 8503), (584, 8629), (601, 8683), (603, 8689), (608, 8704), (621, 8740), (649, 8827), (662, 8857), (677, 8887), (696, 8932), (706, 8941),

Gene: Dalmatian_13 Start: 9320, Stop: 10783, Start Num: 74

Candidate Starts for Dalmatian_13:

(Start: 74 @9320 has 530 MA's), (129, 9380), (174, 9485), (246, 9683), (288, 9767), (301, 9800), (388, 9911), (452, 10028), (459, 10055), (461, 10061), (467, 10082), (468, 10088), (486, 10133), (547, 10256), (601, 10427), (607, 10445), (608, 10448), (617, 10475), (621, 10484), (662, 10601), (677, 10631), (685, 10661), (706, 10685),

Gene: Dalmuri_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Dalmuri_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: DanBing_4 Start: 2470, Stop: 4125, Start Num: 84

Candidate Starts for DanBing_4:

(Start: 84 @2470 has 64 MA's), (131, 2533), (165, 2611), (189, 2680), (195, 2704), (197, 2710), (231, 2782), (241, 2818), (248, 2845), (278, 2896), (327, 2989), (372, 3028), (418, 3085), (421, 3091), (425, 3103), (430, 3112), (432, 3118), (433, 3121), (444, 3142), (450, 3163), (452, 3169), (463, 3208), (516, 3304), (528, 3331), (561, 3439), (562, 3445), (592, 3538), (600, 3565), (628, 3628), (633, 3649), (638, 3670), (647, 3697), (650, 3706), (677, 3766), (690, 3796), (698, 3805), (704, 3811), (757, 3901), (762, 3913), (767, 3946), (782, 4090),

Gene: Danforth_9 Start: 7437, Stop: 8867, Start Num: 75

Candidate Starts for Danforth_9:

(Start: 75 @7437 has 72 MA's), (173, 7587), (233, 7734), (288, 7869), (363, 7980), (421, 8043), (440, 8088), (459, 8154), (467, 8181), (544, 8346), (576, 8448), (601, 8526), (603, 8532), (621, 8583), (662, 8700), (677, 8730), (706, 8784),

Gene: Danzina_8 Start: 4255, Stop: 5691, Start Num: 108

Candidate Starts for Danzina_8:

(Start: 99 @4249 has 4 MA's), (Start: 108 @4255 has 156 MA's), (123, 4279), (136, 4303), (Start: 166 @4372 has 2 MA's), (184, 4420), (197, 4471), (249, 4624), (271, 4654), (312, 4738), (346, 4780), (401, 4846), (446, 4936), (449, 4948), (477, 5041), (520, 5119), (535, 5164), (549, 5221), (558, 5245), (623, 5434), (631, 5458), (747, 5677),

Gene: Darionha_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Darionha_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154),

(662, 3205), (673, 3229),

Gene: Darrell_15 Start: 10119, Stop: 11597, Start Num: 74

Candidate Starts for Darrell_15:

(Start: 74 @10119 has 530 MA's), (90, 10131), (129, 10179), (174, 10284), (242, 10464), (252, 10494), (288, 10566), (421, 10743), (435, 10779), (440, 10788), (452, 10827), (459, 10854), (461, 10860), (467, 10881), (486, 10932), (501, 10956), (511, 10971), (601, 11226), (607, 11244), (617, 11274), (619, 11277), (621, 11283), (649, 11370), (659, 11394), (662, 11400), (677, 11430), (696, 11475), (706, 11484),

Gene: DarthP_8 Start: 2823, Stop: 4376, Start Num: 50

Candidate Starts for DarthP_8:

(31, 2718), (Start: 49 @2808 has 25 MA's), (Start: 50 @2823 has 160 MA's), (128, 2922), (131, 2931), (134, 2937), (Start: 166 @3012 has 2 MA's), (174, 3036), (186, 3069), (207, 3129), (231, 3180), (237, 3201), (241, 3216), (288, 3306), (294, 3321), (333, 3396), (351, 3417), (366, 3441), (404, 3510), (425, 3558), (441, 3591), (444, 3597), (452, 3624), (457, 3645), (464, 3666), (517, 3729), (525, 3747), (546, 3825), (550, 3837), (552, 3840), (557, 3855), (565, 3882), (585, 3939), (600, 3987), (601, 3990), (607, 4008), (614, 4029), (628, 4050), (637, 4089), (640, 4104), (660, 4149), (661, 4152), (664, 4161), (681, 4197), (684, 4212),

Gene: DarthPhader_14 Start: 10104, Stop: 11573, Start Num: 74

Candidate Starts for DarthPhader_14:

(Start: 74 @10104 has 530 MA's), (129, 10164), (167, 10251), (174, 10269), (223, 10383), (252, 10479), (281, 10533), (288, 10551), (301, 10584), (419, 10725), (452, 10812), (459, 10839), (461, 10845), (467, 10866), (486, 10917), (601, 11211), (607, 11229), (612, 11247), (617, 11259), (621, 11268), (640, 11328), (662, 11385), (677, 11415), (680, 11424), (685, 11445), (706, 11469),

Gene: Dartin_9 Start: 3102, Stop: 4652, Start Num: 50

Candidate Starts for Dartin_9:

(31, 2997), (Start: 49 @3087 has 25 MA's), (Start: 50 @3102 has 160 MA's), (131, 3204), (Start: 166 @3285 has 2 MA's), (174, 3309), (188, 3351), (231, 3453), (237, 3474), (241, 3489), (288, 3579), (294, 3594), (333, 3669), (366, 3714), (385, 3744), (395, 3759), (396, 3765), (404, 3783), (421, 3819), (425, 3831), (441, 3864), (452, 3897), (457, 3918), (462, 3933), (464, 3939), (473, 3969), (517, 4002), (525, 4020), (546, 4098), (550, 4110), (552, 4113), (556, 4125), (557, 4128), (573, 4164), (600, 4260), (601, 4263), (607, 4281), (628, 4323), (639, 4374), (650, 4398), (660, 4422), (661, 4425), (664, 4434), (690, 4494), (720, 4530), (735, 4557),

Gene: Dattran_8 Start: 4056, Stop: 5492, Start Num: 108

Candidate Starts for Dattran_8:

(Start: 99 @4050 has 4 MA's), (Start: 108 @4056 has 156 MA's), (123, 4080), (136, 4104), (Start: 166 @4173 has 2 MA's), (184, 4221), (197, 4272), (271, 4455), (312, 4539), (346, 4581), (446, 4737), (449, 4749), (477, 4842), (520, 4920), (535, 4965), (549, 5022), (623, 5235), (631, 5259), (747, 5478),

Gene: Datway_12 Start: 8587, Stop: 10044, Start Num: 74

Candidate Starts for Datway_12:

(Start: 74 @8587 has 530 MA's), (170, 8737), (174, 8749), (233, 8896), (239, 8917), (246, 8947), (265, 8986), (276, 9004), (301, 9064), (414, 9193), (421, 9211), (425, 9223), (435, 9247), (459, 9322), (461, 9328), (467, 9349), (468, 9355), (528, 9484), (544, 9529), (584, 9655), (585, 9658), (601, 9709), (608, 9730), (617, 9757), (647, 9847), (662, 9883), (667, 9895), (677, 9913), (685, 9943),

Gene: Daudau_7 Start: 3834, Stop: 5315, Start Num: 108

Candidate Starts for Daudau_7:

(Start: 108 @3834 has 156 MA's), (Start: 166 @3951 has 2 MA's), (184, 3999), (197, 4050), (226, 4122), (231, 4143), (346, 4356), (401, 4422), (446, 4512), (449, 4524), (461, 4566), (470, 4599), (474, 4608), (477, 4617), (483, 4635), (518, 4734), (535, 4782), (549, 4839), (631, 5076), (664, 5175), (680, 5208), (747, 5301),

Gene: Deano_12 Start: 8584, Stop: 10035, Start Num: 74

Candidate Starts for Deano_12:

(Start: 74 @8584 has 530 MA's), (170, 8731), (174, 8743), (239, 8911), (246, 8941), (265, 8980), (276, 8998), (301, 9058), (414, 9187), (421, 9205), (425, 9217), (459, 9316), (461, 9322), (467, 9343), (468, 9349), (496, 9418), (528, 9478), (544, 9523), (584, 9649), (585, 9652), (601, 9703), (608, 9724), (617, 9754), (647, 9844), (662, 9880), (677, 9910), (685, 9940),

Gene: Deby_9 Start: 3008, Stop: 4561, Start Num: 50

Candidate Starts for Deby_9:

(14, 2597), (23, 2765), (28, 2879), (31, 2906), (Start: 49 @2993 has 25 MA's), (Start: 50 @3008 has 160 MA's), (128, 3110), (131, 3119), (135, 3128), (Start: 166 @3200 has 2 MA's), (186, 3257), (188, 3266), (197, 3299), (198, 3302), (207, 3317), (231, 3368), (237, 3389), (294, 3509), (333, 3584), (351, 3605), (370, 3635), (425, 3746), (441, 3779), (452, 3812), (457, 3833), (464, 3854), (473, 3884), (517, 3917), (525, 3935), (546, 4013), (550, 4025), (552, 4028), (556, 4040), (557, 4043), (573, 4079), (585, 4127), (601, 4178), (607, 4196), (640, 4292), (650, 4313), (661, 4340), (664, 4349), (681, 4385), (717, 4439),

Gene: DekHockey33_15 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for DekHockey33_15:

(Start: 74 @8502 has 530 MA's), (129, 8562), (174, 8667), (196, 8733), (271, 8916), (288, 8949), (301, 8982), (452, 9213), (459, 9240), (461, 9246), (467, 9267), (474, 9288), (486, 9318), (501, 9342), (544, 9432), (555, 9462), (584, 9558), (593, 9585), (601, 9612), (607, 9630), (608, 9633), (617, 9666), (621, 9675), (662, 9792), (677, 9822), (706, 9876),

Gene: Deloris_14 Start: 9652, Stop: 11112, Start Num: 74

Candidate Starts for Deloris_14:

(Start: 74 @9652 has 530 MA's), (129, 9712), (174, 9817), (281, 10081), (288, 10099), (301, 10132), (388, 10243), (459, 10387), (461, 10393), (467, 10414), (468, 10420), (486, 10465), (555, 10609), (583, 10702), (592, 10729), (601, 10759), (607, 10777), (608, 10780), (617, 10807), (621, 10816), (662, 10933), (669, 10948), (677, 10963), (685, 10993), (706, 11017),

Gene: Demsculpinboyz_4 Start: 2181, Stop: 3605, Start Num: 73

Candidate Starts for Demsculpinboyz_4:

(Start: 73 @2181 has 29 MA's), (105, 2214), (140, 2268), (165, 2328), (168, 2337), (184, 2370), (192, 2403), (201, 2433), (228, 2478), (232, 2496), (239, 2520), (241, 2529), (276, 2589), (301, 2649), (308, 2661), (331, 2694), (350, 2715), (386, 2757), (422, 2796), (427, 2808), (429, 2811), (449, 2868), (450, 2871), (452, 2877), (456, 2892), (465, 2922), (466, 2928), (492, 3006), (534, 3087), (551, 3141), (565, 3186), (571, 3201), (591, 3273), (605, 3318), (607, 3324), (640, 3432), (642, 3441), (645, 3450), (659, 3480), (665, 3495), (679, 3522),

Gene: Devera_9 Start: 3022, Stop: 4590, Start Num: 49

Candidate Starts for Devera_9:

(23, 2794), (28, 2908), (31, 2935), (Start: 49 @3022 has 25 MA's), (Start: 50 @3037 has 160 MA's), (128, 3139), (131, 3148), (Start: 166 @3229 has 2 MA's), (174, 3253), (188, 3295), (197, 3328), (231, 3397), (237, 3418), (248, 3460), (288, 3523), (294, 3538), (333, 3613), (351, 3634), (370, 3664), (425, 3775), (441, 3808), (452, 3841), (464, 3883), (473, 3913), (517, 3946), (525, 3964), (546, 4042), (550, 4054), (552, 4057), (556, 4069), (557, 4072), (573, 4108), (585, 4156), (607, 4225), (622, 4255), (640, 4321), (650, 4342), (661, 4369), (664, 4378), (681, 4414), (717, 4468),

Gene: Dexers_6 Start: 3895, Stop: 5328, Start Num: 108

Candidate Starts for Dexers_6:

(Start: 108 @3895 has 156 MA's), (Start: 166 @4012 has 2 MA's), (184, 4060), (187, 4072), (283, 4315), (325, 4402), (382, 4462), (398, 4480), (401, 4486), (449, 4585), (463, 4633), (470, 4660), (477, 4678), (503, 4717), (520, 4753), (549, 4855), (600, 5014), (601, 5017), (607, 5035), (631, 5092), (648, 5149), (661, 5182), (680, 5224), (726, 5290), (747, 5314),

Gene: Dexes_13 Start: 9294, Stop: 10736, Start Num: 112

Candidate Starts for Dexes_13:

(64, 9228), (Start: 112 @9294 has 204 MA's), (288, 9705), (421, 9900), (425, 9912), (459, 10011), (484, 10083), (547, 10206), (561, 10245), (584, 10323), (586, 10329), (601, 10377), (605, 10389), (608, 10398), (639, 10488), (677, 10578), (687, 10611), (696, 10623),

Gene: Dhanush_12 Start: 8581, Stop: 10032, Start Num: 74

Candidate Starts for Dhanush_12:

(Start: 74 @8581 has 530 MA's), (170, 8728), (174, 8740), (239, 8908), (246, 8938), (265, 8977), (276, 8995), (301, 9055), (414, 9184), (421, 9202), (459, 9313), (461, 9319), (467, 9340), (468, 9346), (496, 9415), (528, 9475), (544, 9520), (584, 9646), (585, 9649), (601, 9700), (603, 9706), (608, 9721), (617, 9751), (647, 9841), (662, 9877), (667, 9889), (677, 9907), (685, 9937),

Gene: Diane_7 Start: 3828, Stop: 5303, Start Num: 108

Candidate Starts for Diane_7:

(Start: 108 @3828 has 156 MA's), (Start: 166 @3945 has 2 MA's), (189, 4014), (197, 4044), (231, 4137), (398, 4410), (449, 4515), (470, 4590), (477, 4608), (481, 4620), (483, 4626), (535, 4773), (547, 4824), (549, 4830), (565, 4878), (607, 5010), (631, 5067), (661, 5157), (747, 5289),

Gene: Dieselweasel_14 Start: 8655, Stop: 10109, Start Num: 74

Candidate Starts for Dieselweasel_14:

(Start: 74 @8655 has 530 MA's), (Start: 114 @8685 has 8 MA's), (129, 8712), (174, 8817), (223, 8931), (242, 8997), (265, 9054), (301, 9132), (303, 9135), (421, 9276), (459, 9387), (461, 9393), (467, 9414), (544, 9579), (584, 9705), (601, 9759), (603, 9765), (608, 9780), (621, 9816), (649, 9903), (662, 9933), (677, 9963), (696, 10008), (706, 10017),

Gene: Dignity_15 Start: 9619, Stop: 11079, Start Num: 74

Candidate Starts for Dignity_15:

(Start: 74 @9619 has 530 MA's), (129, 9679), (174, 9784), (246, 9982), (288, 10066), (301, 10099), (421, 10243), (452, 10327), (459, 10354), (461, 10360), (467, 10381), (468, 10387), (486, 10432), (601, 10726), (607, 10744), (608, 10747), (617, 10774), (621, 10783), (662, 10900), (677, 10930), (685, 10960), (706, 10984),

Gene: Diminimus_16 Start: 6259, Stop: 7881, Start Num: 55

Candidate Starts for Diminimus_16:

(Start: 55 @6259 has 21 MA's), (Start: 62 @6274 has 13 MA's), (135, 6382), (142, 6400), (165, 6448), (175, 6481), (181, 6493), (188, 6517), (195, 6544), (197, 6550), (231, 6622), (233, 6628), (241, 6658), (267, 6739), (271, 6745), (273, 6748), (283, 6766), (411, 6922), (421, 6940), (425, 6952), (447, 7000), (463, 7057), (464, 7060), (495, 7129), (533, 7183), (541, 7219), (558, 7270), (560, 7273), (571, 7303), (575, 7312), (593, 7378), (595, 7381), (600, 7402), (601, 7405), (623, 7456), (650, 7543), (709, 7654), (727, 7684), (747, 7720), (751, 7726), (757, 7741), (762, 7753), (777, 7837),

Gene: Dinger_9 Start: 4831, Stop: 6261, Start Num: 74

Candidate Starts for Dinger_9:

(Start: 74 @4831 has 530 MA's), (185, 5008), (190, 5029), (197, 5056), (204, 5071), (233, 5134), (271, 5233), (281, 5248), (363, 5377), (424, 5449), (455, 5536), (457, 5545), (459, 5551), (474, 5599), (511, 5668), (516, 5677), (544, 5743), (547, 5752), (593, 5896), (607, 5941), (608, 5944), (640, 6037), (662, 6094), (677, 6124), (685, 6151), (696, 6163), (702, 6169),

Gene: DirkDirk_5 Start: 2626, Stop: 4299, Start Num: 84

Candidate Starts for DirkDirk_5:

(Start: 84 @2626 has 64 MA's), (131, 2689), (150, 2743), (165, 2767), (189, 2836), (195, 2860), (231, 2938), (241, 2974), (286, 3067), (287, 3070), (327, 3145), (372, 3184), (421, 3247), (432, 3274), (433, 3277), (444, 3298), (450, 3319), (462, 3361), (463, 3364), (520, 3466), (526, 3481), (528, 3487), (552, 3568), (561, 3595), (562, 3601), (592, 3694), (600, 3721), (603, 3730), (628, 3784), (633, 3805), (638, 3826), (647, 3853), (650, 3862), (677, 3922), (690, 3952), (698, 3961), (762, 4069), (782, 4264),

Gene: DirtMcgirt_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for DirtMcgirt_4:

(Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (366, 2746), (421, 2848), (425, 2860), (430, 2869), (444, 2899), (447, 2908), (457, 2947), (463, 2965), (464, 2968), (473, 2998), (526, 3055), (538, 3094), (550, 3139), (557, 3157), (565, 3184), (571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532), (728, 3580),

Gene: DirtyDunning_12 Start: 8574, Stop: 10025, Start Num: 74

Candidate Starts for DirtyDunning_12:

(Start: 74 @8574 has 530 MA's), (174, 8733), (239, 8901), (246, 8931), (265, 8970), (276, 8988), (301, 9048), (414, 9177), (421, 9195), (459, 9306), (461, 9312), (467, 9333), (468, 9339), (496, 9408), (528, 9468), (544, 9513), (584, 9639), (585, 9642), (601, 9693), (603, 9699), (608, 9714), (617, 9744), (647, 9834), (662, 9870), (677, 9900), (685, 9930),

Gene: Discoknowium_10 Start: 8047, Stop: 9480, Start Num: 75

Candidate Starts for Discoknowium_10:

(Start: 75 @8047 has 72 MA's), (167, 8176), (170, 8182), (197, 8263), (252, 8404), (265, 8431), (301, 8509), (363, 8590), (421, 8653), (422, 8656), (424, 8662), (425, 8665), (452, 8737), (461, 8770), (467, 8791), (477, 8821), (584, 9082), (601, 9136), (607, 9154), (621, 9193), (662, 9310), (677, 9340), (696, 9385), (706, 9394),

Gene: DismalFunk_5 Start: 2088, Stop: 3593, Start Num: 50

Candidate Starts for DismalFunk_5:

(Start: 50 @2088 has 160 MA's), (81, 2133), (109, 2154), (131, 2190), (Start: 166 @2271 has 2 MA's), (186, 2328), (189, 2340), (195, 2364), (197, 2370), (227, 2421), (231, 2439), (237, 2460), (246, 2496), (248, 2502), (288, 2562), (333, 2652), (351, 2673), (368, 2700), (395, 2742), (396, 2748), (404, 2766), (425, 2814), (441, 2847), (444, 2853), (457, 2901), (464, 2922), (473, 2952), (517, 2985), (525, 3003), (526, 3009), (535, 3033), (550, 3093), (555, 3105), (557, 3111), (571, 3150), (607, 3270), (628, 3312), (660, 3411), (661, 3414), (664, 3423), (684, 3474), (720, 3519), (760, 3570),

Gene: DismalStressor_5 Start: 2088, Stop: 3593, Start Num: 50

Candidate Starts for DismalStressor_5:

(Start: 50 @2088 has 160 MA's), (81, 2133), (109, 2154), (131, 2190), (Start: 166 @2271 has 2 MA's), (186, 2328), (189, 2340), (195, 2364), (197, 2370), (227, 2421), (231, 2439), (237, 2460), (246, 2496), (248, 2502), (288, 2562), (333, 2652), (351, 2673), (368, 2700), (395, 2742), (396, 2748), (404, 2766), (425, 2814), (441, 2847), (444, 2853), (457, 2901), (464, 2922), (473, 2952), (517, 2985), (525, 3003), (526, 3009), (535, 3033), (550, 3093), (555, 3105), (557, 3111), (571, 3150), (607, 3270), (628, 3312), (660, 3411), (661, 3414), (664, 3423), (684, 3474), (720, 3519), (760, 3570),

Gene: Dixon_10 Start: 7456, Stop: 8886, Start Num: 75

Candidate Starts for Dixon_10:

(Start: 75 @7456 has 72 MA's), (173, 7606), (288, 7888), (363, 7999), (421, 8062), (440, 8107), (459, 8173), (467, 8200), (544, 8365), (576, 8467), (601, 8545), (603, 8551), (621, 8602), (662, 8719), (677, 8749), (706, 8803),

Gene: DocMcStuffins_4 Start: 2202, Stop: 3623, Start Num: 108

Candidate Starts for DocMcStuffins_4:

(Start: 108 @2202 has 156 MA's), (124, 2229), (131, 2241), (184, 2370), (188, 2388), (190, 2394), (197, 2421), (231, 2490), (241, 2526), (246, 2547), (248, 2553), (271, 2577), (273, 2580), (287, 2607), (308, 2655), (312, 2661), (323, 2688), (336, 2706), (397, 2799), (406, 2817), (421, 2850), (424, 2859), (425, 2862), (447, 2910), (449, 2919), (457, 2949), (463, 2967), (473, 3000), (526, 3057), (550, 3141), (557, 3159), (565, 3186), (571, 3198), (573, 3201), (575, 3207), (576, 3222), (587, 3255), (628, 3360), (650, 3435), (652, 3441), (655, 3450), (660, 3459), (664, 3471), (693, 3534), (728, 3582),

Gene: Dogfish_5 Start: 2670, Stop: 4142, Start Num: 111

Candidate Starts for Dogfish_5:

(Start: 111 @2670 has 22 MA's), (125, 2694), (132, 2703), (170, 2793), (190, 2853), (193, 2865), (195, 2874), (229, 2937), (240, 2982), (241, 2985), (242, 2988), (245, 3003), (246, 3006), (248, 3012), (268, 3045), (299, 3117), (321, 3162), (349, 3201), (353, 3207), (368, 3231), (409, 3279), (441, 3351), (452, 3384), (462, 3420), (465, 3429), (480, 3477), (524, 3591), (528, 3606), (536, 3630), (546, 3672), (561, 3714), (571, 3741), (576, 3765), (597, 3831), (600, 3840), (624, 3891), (639, 3942), (660, 3990), (672, 4017), (678, 4029), (692, 4062), (703, 4074),

Gene: Dole_9 Start: 3037, Stop: 4590, Start Num: 50

Candidate Starts for Dole_9:

(23, 2794), (28, 2908), (31, 2935), (Start: 49 @3022 has 25 MA's), (Start: 50 @3037 has 160 MA's), (128, 3139), (131, 3148), (Start: 166 @3229 has 2 MA's), (174, 3253), (188, 3295), (197, 3328), (231, 3397), (237, 3418), (248, 3460), (288, 3523), (294, 3538), (333, 3613), (351, 3634), (370, 3664), (425, 3775), (441, 3808), (452, 3841), (464, 3883), (473, 3913), (517, 3946), (525, 3964), (546, 4042), (550, 4054), (552, 4057), (556, 4069), (557, 4072), (573, 4108), (585, 4156), (607, 4225), (622, 4255), (640, 4321), (650, 4342), (661, 4369), (664, 4378), (681, 4414), (717, 4468),

Gene: Donkey_3 Start: 2306, Stop: 3871, Start Num: 100

Candidate Starts for Donkey_3:

(Start: 100 @2306 has 21 MA's), (Start: 166 @2432 has 2 MA's), (246, 2657), (266, 2693), (273, 2702), (318, 2795), (351, 2819), (421, 2924), (561, 3257), (565, 3272), (566, 3275), (647, 3515), (745, 3689), (775, 3803), (778, 3836),

Gene: DontArgue_11 Start: 6632, Stop: 8071, Start Num: 74

Candidate Starts for DontArgue_11:

(Start: 74 @6632 has 530 MA's), (153, 6749), (174, 6791), (197, 6860), (242, 6971), (246, 6989), (264, 7028), (301, 7109), (363, 7190), (374, 7205), (418, 7247), (425, 7265), (452, 7337), (459, 7364), (461, 7370), (467, 7391), (496, 7463), (544, 7568), (584, 7694), (585, 7697), (601, 7748), (603, 7754), (608, 7769), (617, 7799), (621, 7808), (662, 7925), (677, 7955), (702, 8006),

Gene: Doom_12 Start: 8932, Stop: 10374, Start Num: 112

Candidate Starts for Doom_12:

(64, 8866), (Start: 112 @8932 has 204 MA's), (195, 9130), (288, 9343), (421, 9538), (425, 9550), (459, 9649), (547, 9844), (561, 9883), (584, 9961), (586, 9967), (601, 10015), (605, 10027), (608, 10036), (639, 10126), (677, 10216), (687, 10249), (696, 10261),

Gene: Dorothea_16 Start: 9284, Stop: 10747, Start Num: 74

Candidate Starts for Dorothea_16:

(Start: 74 @9284 has 530 MA's), (97, 9305), (129, 9344), (167, 9431), (171, 9443), (174, 9449), (288, 9731), (434, 9944), (452, 9995), (459, 10022), (461, 10028), (467, 10049), (608, 10415), (617, 10442), (621, 10451), (640, 10511), (662, 10568), (677, 10598), (685, 10628), (709, 10655),

Gene: DosHalletts_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for DosHalletts_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (366, 2745), (421, 2847), (425, 2859), (430, 2868), (444, 2898), (447, 2907), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Doucette_4 Start: 2407, Stop: 3918, Start Num: 61

Candidate Starts for Doucette_4:

(Start: 61 @2407 has 4 MA's), (Start: 99 @2461 has 4 MA's), (133, 2506), (145, 2539), (170, 2596), (184, 2629), (196, 2677), (241, 2788), (244, 2800), (257, 2830), (269, 2851), (276, 2854), (279, 2860), (369, 3004), (388, 3025), (424, 3067), (449, 3133), (450, 3136), (453, 3145), (456, 3157), (461, 3175), (501, 3280), (540, 3346), (561, 3406), (565, 3421), (605, 3550), (606, 3553), (607, 3556), (613, 3577), (633, 3625), (636, 3637), (639, 3655), (675, 3739), (682, 3757), (702, 3793),

Gene: Douge_5 Start: 2334, Stop: 3971, Start Num: 87

Candidate Starts for Douge_5:

(Start: 87 @2334 has 9 MA's), (137, 2409), (188, 2538), (189, 2541), (197, 2571), (231, 2643), (241, 2679), (249, 2709), (251, 2718), (278, 2757), (327, 2850), (372, 2889), (407, 2922), (418, 2946), (421, 2952), (430, 2973), (432, 2979), (433, 2982), (444, 3003), (462, 3066), (463, 3069), (520, 3171), (528, 3192), (562, 3306), (592, 3399), (600, 3426), (628, 3489), (638, 3531), (647, 3558), (650, 3567), (677, 3627), (690, 3657), (698, 3666), (704, 3672), (757, 3762), (762, 3774), (776, 3852),

Gene: Doughnut_5 Start: 2085, Stop: 3590, Start Num: 50

Candidate Starts for Doughnut_5:

(27, 1944), (Start: 50 @2085 has 160 MA's), (58, 2103), (81, 2130), (109, 2151), (131, 2187), (Start: 166 @2268 has 2 MA's), (186, 2325), (189, 2337), (195, 2361), (197, 2367), (227, 2418), (231, 2436), (237, 2457), (248, 2499), (271, 2523), (288, 2559), (333, 2649), (351, 2670), (368, 2697), (395, 2739), (396, 2745), (404, 2763), (425, 2811), (441, 2844), (457, 2898), (464, 2919), (473, 2949), (517, 2982), (525, 3000), (526, 3006), (535, 3030), (550, 3090), (555, 3102), (557, 3108), (571, 3147), (607, 3267), (628, 3309), (660, 3408), (661, 3411), (664, 3420), (684, 3471), (720, 3516), (760, 3567),

Gene: Douzhi_5 Start: 2334, Stop: 3971, Start Num: 87

Candidate Starts for Douzhi_5:

(Start: 87 @2334 has 9 MA's), (137, 2409), (188, 2538), (189, 2541), (197, 2571), (231, 2643), (241, 2679), (251, 2718), (327, 2850), (372, 2889), (407, 2922), (418, 2946), (421, 2952), (430, 2973), (432, 2979), (433, 2982), (444, 3003), (462, 3066), (463, 3069), (520, 3171), (528, 3192), (561, 3300), (562, 3306), (592, 3399), (600, 3426), (628, 3489), (638, 3531), (647, 3558), (650, 3567), (677, 3627), (690, 3657), (698, 3666), (704, 3672), (757, 3762), (762, 3774), (776, 3852),

Gene: DrFeelGood_11 Start: 8456, Stop: 9898, Start Num: 112

Candidate Starts for DrFeelGood_11:

(64, 8390), (Start: 112 @8456 has 204 MA's), (195, 8654), (288, 8867), (421, 9062), (459, 9173), (484, 9245), (547, 9368), (561, 9407), (584, 9485), (586, 9491), (601, 9539), (605, 9551), (608, 9560), (639, 9650), (677, 9740), (687, 9773), (696, 9785),

Gene: DrHayes_9 Start: 2999, Stop: 4546, Start Num: 50

Candidate Starts for DrHayes_9:

(31, 2897), (Start: 49 @2984 has 25 MA's), (Start: 50 @2999 has 160 MA's), (Start: 68 @3026 has 1 MA's), (128, 3095), (131, 3104), (135, 3113), (160, 3176), (Start: 166 @3185 has 2 MA's), (174, 3209), (186, 3242), (197, 3284), (231, 3353), (237, 3374), (246, 3410), (288, 3479), (291, 3491), (333, 3569), (351, 3590), (370, 3620), (385, 3644), (441, 3764), (452, 3797), (457, 3818), (464, 3839), (473, 3869), (517, 3902), (525, 3920), (546, 3998), (550, 4010), (552, 4013), (556, 4025), (557, 4028), (573, 4064), (585, 4112), (601, 4163), (607, 4181), (640, 4277), (650, 4298), (661, 4325), (664, 4334), (717, 4424),

Gene: DrManhattan_3 Start: 2280, Stop: 3656, Start Num: 104

Candidate Starts for DrManhattan_3:

(Start: 104 @2280 has 48 MA's), (160, 2391), (Start: 166 @2400 has 2 MA's), (197, 2499), (318, 2763), (449, 2940), (478, 3036), (555, 3195), (573, 3243), (579, 3273), (587, 3297), (635, 3432), (647, 3471), (650, 3480),

Gene: DrParker_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for DrParker_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (244, 2201), (260, 2240), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (408, 2420), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (458, 2555), (463, 2570), (477, 2615), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (608, 2945), (621, 2984), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: DrSeegs_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for DrSeegs_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: DrSierra_3 Start: 2283, Stop: 3656, Start Num: 104

Candidate Starts for DrSierra_3:

(Start: 104 @2283 has 48 MA's), (160, 2394), (Start: 166 @2403 has 2 MA's), (216, 2541), (273, 2673), (343, 2781), (478, 3039), (544, 3165), (558, 3204), (579, 3273), (587, 3297), (647, 3471), (650, 3480), (710, 3591),

Gene: Drago_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Drago_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Drake55_15 Start: 9724, Stop: 11184, Start Num: 74

Candidate Starts for Drake55_15:

(Start: 74 @9724 has 530 MA's), (129, 9784), (170, 9877), (174, 9889), (288, 10171), (301, 10204), (422, 10351), (425, 10360), (452, 10432), (459, 10459), (461, 10465), (467, 10486), (565, 10714), (601, 10831), (608, 10852), (617, 10879), (621, 10888), (662, 11005), (677, 11035), (685, 11065), (706, 11089),

Gene: Drake94_11 Start: 6462, Stop: 7922, Start Num: 74

Candidate Starts for Drake94_11:

(Start: 74 @6462 has 530 MA's), (Start: 114 @6489 has 8 MA's), (146, 6555), (170, 6609), (174, 6621), (197, 6690), (233, 6768), (242, 6801), (246, 6819), (264, 6858), (266, 6861), (301, 6939), (418, 7077), (459, 7194), (461, 7200), (467, 7221), (468, 7227), (477, 7251), (496, 7302), (544, 7407), (584, 7533), (585, 7536), (601, 7587), (603, 7593), (608, 7608), (617, 7638), (621, 7647), (647, 7728), (662, 7764), (677, 7794), (702, 7845), (705, 7848),

Gene: Dre3_5 Start: 2920, Stop: 4368, Start Num: 115

Candidate Starts for Dre3_5:

(52, 2833), (Start: 115 @2920 has 54 MA's), (145, 2974), (147, 2980), (172, 3043), (190, 3088), (227, 3157), (229, 3163), (288, 3304), (301, 3337), (334, 3382), (422, 3487), (424, 3493), (454, 3577), (461, 3601), (463, 3607), (485, 3670), (530, 3778), (554, 3850), (596, 3985), (604, 4012), (606, 4018), (607, 4021), (626, 4057), (640, 4114), (656, 4156), (695, 4240), (759, 4342),

Gene: DreamCatcher_15 Start: 9886, Stop: 11328, Start Num: 112

Candidate Starts for DreamCatcher_15:

(64, 9820), (Start: 112 @9886 has 204 MA's), (195, 10084), (288, 10297), (421, 10492), (422, 10495), (459, 10603), (484, 10675), (547, 10798), (561, 10837), (584, 10915), (586, 10921), (601, 10969), (605, 10981), (608, 10990), (639, 11080), (677, 11170), (687, 11203), (696, 11215),

Gene: DreamTeam1_13 Start: 8077, Stop: 9561, Start Num: 74

Candidate Starts for DreamTeam1_13:

(Start: 74 @8077 has 530 MA's), (129, 8137), (174, 8242), (214, 8350), (223, 8356), (252, 8452), (288, 8524), (301, 8557), (388, 8668), (421, 8701), (435, 8737), (440, 8746), (452, 8785), (458, 8809), (459, 8812), (461, 8818), (466, 8836), (467, 8839), (486, 8890), (601, 9184), (607, 9202), (617, 9232), (621, 9241), (649, 9328), (659, 9352), (662, 9358), (677, 9388), (696, 9433), (706, 9442),

Gene: Dreamboat_13 Start: 8584, Stop: 10026, Start Num: 112

Candidate Starts for Dreamboat_13:

(64, 8518), (Start: 112 @8584 has 204 MA's), (195, 8782), (288, 8995), (421, 9190), (425, 9202), (459, 9301), (484, 9373), (547, 9496), (561, 9535), (584, 9613), (586, 9619), (600, 9664), (601, 9667), (605, 9679), (608, 9688), (639, 9778), (677, 9868), (687, 9901), (696, 9913),

Gene: DroogsArmy_13 Start: 9760, Stop: 11217, Start Num: 74

Candidate Starts for DroogsArmy_13:

(Start: 74 @9760 has 530 MA's), (170, 9910), (174, 9922), (223, 10036), (246, 10120), (259, 10147), (356, 10312), (421, 10381), (425, 10393), (435, 10417), (452, 10465), (459, 10492), (461, 10498), (467, 10519), (468, 10525), (474, 10540), (477, 10549), (518, 10633), (565, 10759), (584, 10822), (585, 10825), (601, 10876), (603, 10882), (606, 10891), (607, 10894), (608, 10897), (621, 10933), (647, 11014), (662, 11050), (677, 11080),

Gene: DropBear_12 Start: 8253, Stop: 9719, Start Num: 75

Candidate Starts for DropBear_12:

(Start: 75 @8253 has 72 MA's), (174, 8424), (204, 8508), (233, 8571), (242, 8604), (246, 8622), (265, 8661), (281, 8688), (300, 8736), (418, 8877), (422, 8886), (452, 8967), (458, 8991), (459, 8994), (461, 9000), (467, 9021), (468, 9027), (544, 9198), (584, 9324), (585, 9327), (601, 9378), (603, 9384), (608, 9399), (617, 9429), (662, 9555), (677, 9585), (687, 9615),

Gene: Druantia_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for Druantia_12:

(Start: 74 @8579 has 530 MA's), (174, 8738), (239, 8906), (246, 8936), (265, 8975), (276, 8993), (301, 9053), (414, 9182), (421, 9200), (459, 9311), (461, 9317), (467, 9338), (468, 9344), (496, 9413), (528, 9473), (544, 9518), (584, 9644), (585, 9647), (601, 9698), (603, 9704), (608, 9719), (617, 9749), (647, 9839), (662, 9875), (667, 9887), (677, 9905), (685, 9935),

Gene: Dublin_9 Start: 7906, Stop: 9339, Start Num: 75

Candidate Starts for Dublin_9:

(Start: 75 @7906 has 72 MA's), (170, 8041), (185, 8074), (188, 8089), (190, 8095), (252, 8263), (265, 8290), (301, 8368), (363, 8449), (424, 8521), (425, 8524), (452, 8596), (461, 8629), (467, 8650), (477, 8680), (501, 8725), (584, 8941), (601, 8995), (607, 9013), (621, 9052), (662, 9169), (677, 9199), (685, 9229), (706, 9253),

Gene: Dubu_3 Start: 2173, Stop: 3690, Start Num: 107

Candidate Starts for Dubu_3:

(Start: 107 @2173 has 1 MA's), (188, 2359), (189, 2362), (193, 2377), (197, 2392), (227, 2446), (230, 2455), (236, 2482), (241, 2500), (260, 2563), (280, 2602), (301, 2659), (361, 2752), (386, 2788), (418, 2821), (422, 2830), (424, 2836), (425, 2839), (429, 2845), (452, 2905), (455, 2917), (494, 3034), (501, 3049), (518, 3082), (534, 3109), (547, 3154), (549, 3160), (552, 3166), (571, 3220), (587, 3277), (600, 3319), (627, 3385), (641, 3445), (677, 3526), (685, 3556), (702, 3577),

Gene: DudeLittle_13 Start: 9322, Stop: 10785, Start Num: 74

Candidate Starts for DudeLittle_13:

(Start: 74 @9322 has 530 MA's), (129, 9382), (174, 9487), (246, 9685), (288, 9769), (301, 9802), (388, 9913), (422, 9949), (452, 10030), (459, 10057), (461, 10063), (467, 10084), (468, 10090), (486, 10135), (547, 10258), (601, 10429), (607, 10447), (608, 10450), (617, 10477), (621, 10486), (662, 10603), (677, 10633), (685, 10663), (706, 10687),

Gene: Dulcie_11 Start: 8331, Stop: 9773, Start Num: 112

Candidate Starts for Dulcie_11:

(64, 8265), (Start: 112 @8331 has 204 MA's), (195, 8529), (288, 8742), (421, 8937), (425, 8949), (459, 9048), (484, 9120), (547, 9243), (561, 9282), (584, 9360), (586, 9366), (601, 9414), (605, 9426), (608, 9435), (639, 9525), (677, 9615), (687, 9648), (696, 9660),

Gene: Dulcita_16 Start: 6259, Stop: 7881, Start Num: 55

Candidate Starts for Dulcita_16:

(Start: 55 @6259 has 21 MA's), (Start: 62 @6274 has 13 MA's), (135, 6382), (142, 6400), (165, 6448), (175, 6481), (181, 6493), (188, 6517), (195, 6544), (197, 6550), (231, 6622), (233, 6628), (241, 6658), (267, 6739), (271, 6745), (273, 6748), (283, 6766), (411, 6922), (421, 6940), (425, 6952), (447, 7000), (463, 7057), (464, 7060), (495, 7129), (533, 7183), (541, 7219), (558, 7270), (560, 7273), (571, 7303), (575, 7312), (593, 7378), (595, 7381), (600, 7402), (601, 7405), (623, 7456), (650, 7543), (709, 7654), (727, 7684), (747, 7720), (751, 7726), (757, 7741), (762, 7753), (777, 7837),

Gene: DuncansLeg_6 Start: 2759, Stop: 4402, Start Num: 84

Candidate Starts for DuncansLeg_6:

(Start: 84 @2759 has 64 MA's), (128, 2819), (187, 2960), (189, 2969), (231, 3071), (278, 3185), (327, 3278), (372, 3317), (432, 3407), (437, 3416), (444, 3431), (528, 3620), (548, 3692), (562, 3734), (628, 3917), (638, 3959), (647, 3986), (650, 3995), (677, 4055), (690, 4085), (698, 4094), (747, 4169), (762, 4202),

Gene: Duplo_16 Start: 9200, Stop: 10657, Start Num: 74

Candidate Starts for Duplo_16:

(Start: 74 @9200 has 530 MA's), (129, 9260), (170, 9353), (174, 9365), (288, 9647), (388, 9791), (424, 9833), (452, 9908), (459, 9935), (461, 9941), (467, 9962), (468, 9968), (601, 10307), (608, 10328), (617, 10355), (621, 10364), (649, 10451), (662, 10481), (677, 10511), (685, 10541), (706, 10565),

Gene: Durfee_9 Start: 3055, Stop: 4623, Start Num: 49

Candidate Starts for Durfee_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Dussy_13 Start: 8692, Stop: 10134, Start Num: 112

Candidate Starts for Dussy_13:

(64, 8626), (Start: 112 @8692 has 204 MA's), (195, 8890), (264, 9064), (288, 9103), (421, 9298), (425, 9310), (459, 9409), (547, 9604), (584, 9721), (586, 9727), (601, 9775), (605, 9787), (608, 9796), (639, 9886), (677, 9976), (687, 10009), (696, 10021),

Gene: DustyMartin_15 Start: 8443, Stop: 9888, Start Num: 74

Candidate Starts for DustyMartin_15:

(Start: 74 @8443 has 530 MA's), (90, 8455), (174, 8602), (233, 8749), (242, 8782), (246, 8800), (248, 8806), (264, 8839), (301, 8920), (308, 8932), (418, 9058), (425, 9076), (452, 9148), (458, 9172), (459, 9175), (461, 9181), (467, 9202), (544, 9382), (584, 9508), (585, 9511), (601, 9562), (603, 9568), (608, 9583), (617, 9613), (621, 9622), (647, 9703), (662, 9739), (677, 9769), (702, 9820), (705, 9823),

Gene: Dwayne_7 Start: 4056, Stop: 5492, Start Num: 108

Candidate Starts for Dwayne_7:

(Start: 99 @4050 has 4 MA's), (Start: 108 @4056 has 156 MA's), (123, 4080), (136, 4104), (Start: 166 @4173 has 2 MA's), (184, 4221), (187, 4233), (197, 4272), (249, 4425), (312, 4539), (346, 4581), (364, 4608), (398, 4641), (401, 4647), (446, 4737), (449, 4749), (470, 4824), (477, 4842), (520, 4920), (535, 4965), (549, 5022), (623, 5235), (631, 5259), (680, 5391), (726, 5457), (747, 5478),

Gene: Dynamix_13 Start: 8741, Stop: 10183, Start Num: 112

Candidate Starts for Dynamix_13:

(64, 8675), (Start: 112 @8741 has 204 MA's), (195, 8939), (288, 9152), (421, 9347), (425, 9359), (459, 9458), (547, 9653), (561, 9692), (584, 9770), (586, 9776), (601, 9824), (605, 9836), (608, 9845), (639, 9935), (677, 10025), (687, 10058), (696, 10070),

Gene: DyoEdafos_6 Start: 2521, Stop: 4158, Start Num: 87

Candidate Starts for DyoEdafos_6:

(Start: 87 @2521 has 9 MA's), (137, 2596), (189, 2728), (197, 2758), (231, 2830), (248, 2893), (249, 2896), (278, 2944), (327, 3037), (372, 3076), (407, 3109), (418, 3133), (421, 3139), (430, 3160), (432, 3166), (433, 3169), (444, 3190), (463, 3256), (520, 3358), (528, 3379), (561, 3487), (562, 3493), (592, 3586), (600, 3613), (628, 3676), (635, 3706), (647, 3745), (648, 3748), (650, 3754), (677, 3814), (690, 3844), (698, 3853), (704, 3859), (757, 3949), (762, 3961), (776, 4039),

Gene: E6_4 Start: 2408, Stop: 3919, Start Num: 61

Candidate Starts for E6_4:

(Start: 61 @2408 has 4 MA's), (Start: 99 @2462 has 4 MA's), (133, 2507), (145, 2540), (170, 2597), (184, 2630), (196, 2678), (241, 2789), (244, 2801), (257, 2831), (269, 2852), (276, 2855), (279, 2861), (369, 3005), (388, 3026), (424, 3068), (449, 3134), (450, 3137), (453, 3146), (456, 3158), (461, 3176),

(501, 3281), (540, 3347), (561, 3407), (565, 3422), (605, 3551), (606, 3554), (607, 3557), (613, 3578), (633, 3626), (636, 3638), (639, 3656), (675, 3740), (682, 3758), (702, 3794),

Gene: ECartman_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for ECartman_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: ELB20_06 Start: 3885, Stop: 5357, Start Num: 108

Candidate Starts for ELB20_06:

(Start: 108 @3885 has 156 MA's), (Start: 166 @4002 has 2 MA's), (184, 4050), (187, 4062), (189, 4071), (197, 4101), (231, 4194), (308, 4359), (312, 4365), (449, 4572), (470, 4647), (477, 4665), (481, 4677), (483, 4683), (485, 4689), (535, 4830), (547, 4881), (549, 4887), (586, 5001), (607, 5067), (631, 5124), (647, 5178), (680, 5256), (747, 5343),

Gene: EMSquaredA_3 Start: 2281, Stop: 3735, Start Num: 77

Candidate Starts for EMSquaredA_3:

(35, 2128), (41, 2188), (Start: 77 @2281 has 21 MA's), (183, 2467), (191, 2500), (202, 2533), (239, 2611), (241, 2620), (331, 2779), (344, 2794), (360, 2815), (422, 2884), (425, 2893), (440, 2926), (458, 2989), (461, 2998), (497, 3100), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3682),

Gene: EZMoney23_17 Start: 11190, Stop: 12653, Start Num: 74

Candidate Starts for EZMoney23_17:

(Start: 74 @11190 has 530 MA's), (129, 11250), (174, 11355), (288, 11637), (422, 11820), (425, 11829), (452, 11901), (459, 11928), (461, 11934), (467, 11955), (601, 12300), (608, 12321), (617, 12348), (621, 12357), (649, 12444), (662, 12474), (677, 12504), (685, 12534), (706, 12558),

Gene: Eagle_11 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Eagle_11:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: EagleEye_15 Start: 9341, Stop: 10813, Start Num: 74

Candidate Starts for EagleEye_15:

(Start: 74 @9341 has 530 MA's), (129, 9401), (167, 9488), (170, 9494), (174, 9506), (288, 9788), (301, 9821), (421, 9965), (424, 9974), (452, 10049), (458, 10073), (459, 10076), (461, 10082), (467, 10103), (601, 10448), (607, 10466), (608, 10469), (617, 10496), (621, 10505), (662, 10622), (677, 10652), (685, 10682), (696, 10697), (706, 10706), (751, 10766),

Gene: Eaglepride_13 Start: 8376, Stop: 9818, Start Num: 74

Candidate Starts for Eaglepride_13:

(Start: 74 @8376 has 530 MA's), (174, 8535), (197, 8604), (233, 8682), (242, 8715), (246, 8733), (301, 8853), (418, 8991), (425, 9009), (452, 9081), (459, 9108), (461, 9114), (467, 9135), (468, 9141), (544, 9315), (584, 9441), (585, 9444), (593, 9468), (601, 9495), (603, 9501), (608, 9516), (617, 9546), (621, 9555), (647, 9636), (662, 9672), (677, 9702), (702, 9753),

Gene: Eapen_12 Start: 8580, Stop: 10031, Start Num: 74

Candidate Starts for Eapen_12:

(Start: 74 @8580 has 530 MA's), (174, 8739), (239, 8907), (246, 8937), (265, 8976), (276, 8994), (301, 9054), (414, 9183), (421, 9201), (459, 9312), (461, 9318), (467, 9339), (468, 9345), (496, 9414), (528, 9474), (544, 9519), (584, 9645), (585, 9648), (601, 9699), (603, 9705), (608, 9720), (617, 9750), (647, 9840), (662, 9876), (677, 9906), (685, 9936),

Gene: Ebony_13 Start: 9842, Stop: 11299, Start Num: 74

Candidate Starts for Ebony_13:

(Start: 74 @9842 has 530 MA's), (120, 9887), (129, 9902), (174, 10007), (288, 10289), (301, 10322), (425, 10478), (452, 10550), (459, 10577), (461, 10583), (467, 10604), (486, 10655), (592, 10919), (601, 10949), (608, 10970), (612, 10985), (617, 10997), (621, 11006), (649, 11093), (662, 11123), (677, 11153), (685, 11183), (736, 11249),

Gene: Echild_13 Start: 9325, Stop: 10788, Start Num: 74

Candidate Starts for Echild_13:

(Start: 74 @9325 has 530 MA's), (129, 9385), (174, 9490), (281, 9754), (288, 9772), (301, 9805), (305, 9811), (459, 10060), (461, 10066), (467, 10087), (468, 10093), (486, 10138), (555, 10282), (584, 10378), (601, 10432), (607, 10450), (608, 10453), (617, 10480), (621, 10489), (662, 10606), (669, 10621), (677, 10636), (685, 10666), (706, 10690),

Gene: Ecliptus_4 Start: 2191, Stop: 3633, Start Num: 73

Candidate Starts for Ecliptus_4:

(Start: 73 @2191 has 29 MA's), (105, 2221), (146, 2293), (165, 2335), (168, 2344), (192, 2410), (201, 2440), (227, 2482), (235, 2512), (241, 2536), (410, 2776), (427, 2815), (429, 2818), (450, 2878), (465, 2929), (466, 2935), (475, 2962), (481, 2980), (492, 3013), (518, 3064), (534, 3094), (551, 3148), (561, 3178), (571, 3208), (583, 3256), (607, 3331), (640, 3439), (645, 3457), (656, 3481), (662, 3493), (665, 3502), (679, 3529),

Gene: Eddasa_8 Start: 4241, Stop: 5683, Start Num: 108

Candidate Starts for Eddasa_8:

(Start: 96 @4232 has 3 MA's), (Start: 99 @4235 has 4 MA's), (Start: 108 @4241 has 156 MA's), (Start: 166 @4358 has 2 MA's), (184, 4406), (190, 4430), (312, 4724), (346, 4766), (364, 4793), (446, 4919), (449, 4931), (477, 5024), (520, 5102), (535, 5147), (549, 5204), (558, 5228), (631, 5441), (747, 5669),

Gene: Edison31_12 Start: 8402, Stop: 9847, Start Num: 74

Candidate Starts for Edison31_12:

(Start: 74 @8402 has 530 MA's), (174, 8561), (233, 8708), (242, 8741), (246, 8759), (248, 8765), (264, 8798), (301, 8879), (308, 8891), (418, 9017), (425, 9035), (452, 9107), (458, 9131), (459, 9134), (461, 9140), (466, 9158), (467, 9161), (544, 9341), (584, 9467), (585, 9470), (601, 9521), (603, 9527), (608, 9542), (617, 9572), (621, 9581), (647, 9662), (662, 9698), (677, 9728), (702, 9779), (705, 9782),

Gene: EdogawaKiddo_12 Start: 9893, Stop: 11380, Start Num: 74

Candidate Starts for EdogawaKiddo_12:

(Start: 74 @9893 has 530 MA's), (129, 9956), (174, 10061), (197, 10130), (252, 10271), (271, 10310), (288, 10343), (301, 10376), (421, 10520), (435, 10556), (440, 10565), (452, 10604), (459, 10631), (461, 10637), (467, 10658), (468, 10664), (486, 10709), (501, 10733), (511, 10748), (601, 11003), (607, 11021), (617, 11051), (619, 11054), (621, 11060), (659, 11171), (662, 11177), (677, 11207), (696, 11252), (706, 11261),

Gene: Edtherson_13 Start: 9189, Stop: 10631, Start Num: 112

Candidate Starts for Edtherson_13:

(64, 9123), (Start: 112 @9189 has 204 MA's), (195, 9387), (288, 9600), (421, 9795), (425, 9807), (459, 9906), (547, 10101), (561, 10140), (584, 10218), (586, 10224), (601, 10272), (605, 10284), (608,

10293), (639, 10383), (677, 10473), (687, 10506), (696, 10518),

Gene: Edugator_6 Start: 2788, Stop: 4326, Start Num: 50

Candidate Starts for Edugator_6:

(Start: 50 @2788 has 160 MA's), (128, 2890), (131, 2899), (149, 2953), (186, 3037), (189, 3049), (197, 3079), (207, 3097), (231, 3148), (241, 3184), (247, 3208), (248, 3211), (287, 3265), (294, 3286), (333, 3361), (351, 3382), (370, 3412), (396, 3457), (421, 3511), (441, 3556), (452, 3589), (462, 3625), (464, 3631), (517, 3694), (525, 3712), (546, 3790), (550, 3802), (552, 3805), (557, 3820), (575, 3865), (576, 3880), (583, 3901), (585, 3907), (600, 3955), (601, 3958), (607, 3976), (612, 3991), (637, 4057), (640, 4072), (650, 4093), (664, 4129), (681, 4165), (735, 4252),

Gene: Efra2_9 Start: 3007, Stop: 4560, Start Num: 50

Candidate Starts for Efra2_9:

(10, 2551), (14, 2593), (23, 2761), (31, 2902), (Start: 49 @2992 has 25 MA's), (Start: 50 @3007 has 160 MA's), (128, 3100), (131, 3109), (143, 3139), (174, 3214), (186, 3247), (188, 3256), (231, 3358), (237, 3379), (241, 3394), (246, 3415), (248, 3421), (294, 3499), (315, 3538), (351, 3595), (441, 3769), (457, 3823), (464, 3844), (473, 3874), (517, 3907), (546, 4003), (550, 4015), (552, 4018), (556, 4030), (557, 4033), (561, 4045), (569, 4066), (573, 4069), (607, 4186), (639, 4279), (650, 4303), (660, 4327), (661, 4330), (664, 4339), (704, 4414), (735, 4462),

Gene: Eidsmoe_14 Start: 9923, Stop: 11410, Start Num: 74

Candidate Starts for Eidsmoe_14:

(Start: 74 @9923 has 530 MA's), (129, 9986), (174, 10091), (197, 10160), (252, 10301), (288, 10373), (315, 10427), (421, 10550), (435, 10586), (440, 10595), (452, 10634), (459, 10661), (461, 10667), (467, 10688), (486, 10739), (511, 10778), (601, 11033), (607, 11051), (617, 11081), (619, 11084), (621, 11090), (659, 11201), (662, 11207), (677, 11237), (696, 11282), (706, 11291),

Gene: Eileen_3 Start: 2383, Stop: 3747, Start Num: 100

Candidate Starts for Eileen_3:

(Start: 100 @2383 has 21 MA's), (182, 2551), (187, 2569), (196, 2605), (248, 2743), (260, 2779), (308, 2890), (316, 2905), (324, 2920), (363, 2965), (381, 2986), (418, 3019), (463, 3139), (539, 3298), (552, 3331), (571, 3385), (601, 3487), (640, 3589), (641, 3595), (718, 3739),

Gene: Ejemplo_7 Start: 4059, Stop: 5495, Start Num: 108

Candidate Starts for Ejemplo_7:

(Start: 99 @4053 has 4 MA's), (Start: 108 @4059 has 156 MA's), (123, 4083), (136, 4107), (Start: 166 @4176 has 2 MA's), (184, 4224), (187, 4236), (197, 4275), (249, 4428), (271, 4458), (312, 4542), (346, 4584), (398, 4644), (401, 4650), (446, 4740), (449, 4752), (470, 4827), (477, 4845), (520, 4923), (535, 4968), (549, 5025), (623, 5238), (631, 5262), (680, 5394), (747, 5481),

Gene: Ekdilam_6 Start: 2558, Stop: 4111, Start Num: 50

Candidate Starts for Ekdilam_6:

(31, 2453), (Start: 49 @2543 has 25 MA's), (Start: 50 @2558 has 160 MA's), (128, 2657), (131, 2666), (Start: 166 @2747 has 2 MA's), (174, 2771), (186, 2804), (207, 2864), (231, 2915), (237, 2936), (241, 2951), (288, 3041), (291, 3053), (294, 3056), (333, 3131), (351, 3152), (366, 3176), (404, 3245), (425, 3293), (441, 3326), (444, 3332), (452, 3359), (457, 3380), (464, 3401), (517, 3464), (525, 3482), (546, 3560), (550, 3572), (552, 3575), (557, 3590), (565, 3617), (585, 3674), (600, 3722), (607, 3743), (614, 3764), (640, 3839), (660, 3884), (661, 3887), (664, 3896), (681, 3932), (684, 3947),

Gene: ElGato_8 Start: 3905, Stop: 5338, Start Num: 108

Candidate Starts for ElGato_8:

(Start: 108 @3905 has 156 MA's), (Start: 166 @4022 has 2 MA's), (184, 4070), (187, 4082), (283, 4325), (382, 4472), (398, 4490), (401, 4496), (446, 4583), (449, 4595), (470, 4670), (477, 4688), (503,

4727), (520, 4763), (549, 4865), (601, 5027), (607, 5045), (631, 5102), (661, 5192), (680, 5234), (726, 5300), (747, 5324),

Gene: EITiger69_10 Start: 7764, Stop: 9197, Start Num: 75

Candidate Starts for EITiger69_10:

(Start: 75 @7764 has 72 MA's), (167, 7893), (185, 7932), (188, 7947), (252, 8121), (265, 8148), (363, 8307), (422, 8373), (424, 8379), (425, 8382), (452, 8454), (461, 8487), (467, 8508), (473, 8526), (477, 8538), (584, 8799), (601, 8853), (607, 8871), (621, 8910), (662, 9027), (677, 9057), (685, 9087), (696, 9102), (706, 9111),

Gene: Elephantoon_14 Start: 9551, Stop: 11029, Start Num: 74

Candidate Starts for Elephantoon_14:

(Start: 74 @9551 has 530 MA's), (129, 9611), (174, 9716), (242, 9896), (252, 9926), (288, 9998), (421, 10175), (425, 10187), (452, 10259), (459, 10286), (461, 10292), (467, 10313), (477, 10343), (486, 10364), (511, 10403), (601, 10658), (607, 10676), (617, 10706), (619, 10709), (621, 10715), (659, 10826), (662, 10832), (677, 10862), (696, 10907), (706, 10916),

Gene: Elezi_3 Start: 2266, Stop: 3642, Start Num: 104

Candidate Starts for Elezi_3:

(Start: 104 @2266 has 48 MA's), (Start: 166 @2386 has 2 MA's), (197, 2485), (318, 2749), (478, 3022), (555, 3181), (573, 3229), (579, 3259), (587, 3283), (647, 3457), (710, 3577),

Gene: Elinal_6 Start: 2579, Stop: 4012, Start Num: 115

Candidate Starts for Elinal_6:

(Start: 115 @2579 has 54 MA's), (133, 2603), (190, 2747), (191, 2753), (213, 2789), (228, 2825), (232, 2843), (241, 2876), (247, 2900), (288, 2969), (301, 3002), (425, 3158), (446, 3209), (454, 3239), (461, 3263), (474, 3305), (499, 3374), (509, 3392), (530, 3440), (554, 3512), (607, 3683), (621, 3716), (640, 3776), (647, 3797), (662, 3830), (685, 3890), (687, 3893), (759, 4004),

Gene: Elliott_5 Start: 2789, Stop: 4246, Start Num: 115

Candidate Starts for Elliott_5:

(Start: 115 @2789 has 54 MA's), (133, 2813), (176, 2924), (180, 2927), (184, 2936), (222, 3017), (244, 3101), (247, 3113), (288, 3182), (391, 3329), (425, 3371), (449, 3434), (454, 3452), (456, 3458), (459, 3470), (461, 3476), (499, 3587), (544, 3704), (554, 3731), (565, 3767), (605, 3896), (607, 3902), (621, 3935), (639, 3992), (640, 3995), (648, 4019), (662, 4049), (685, 4109), (687, 4112), (759, 4223),

Gene: Ellie_6 Start: 2649, Stop: 4202, Start Num: 50

Candidate Starts for Ellie_6:

(28, 2517), (31, 2544), (Start: 49 @2634 has 25 MA's), (Start: 50 @2649 has 160 MA's), (128, 2748), (131, 2757), (160, 2829), (Start: 166 @2838 has 2 MA's), (174, 2862), (186, 2895), (207, 2955), (237, 3027), (241, 3042), (288, 3132), (294, 3147), (333, 3222), (351, 3243), (366, 3267), (404, 3336), (421, 3372), (425, 3384), (441, 3417), (452, 3450), (457, 3471), (464, 3492), (473, 3522), (517, 3555), (525, 3573), (546, 3651), (550, 3663), (552, 3666), (556, 3678), (557, 3681), (565, 3708), (585, 3765), (607, 3834), (614, 3855), (629, 3879), (640, 3930), (650, 3951), (661, 3978), (664, 3987), (681, 4023),

Gene: Ellson_6 Start: 2768, Stop: 4411, Start Num: 84

Candidate Starts for Ellson_6:

(Start: 84 @2768 has 64 MA's), (128, 2828), (187, 2969), (189, 2978), (231, 3080), (249, 3146), (278, 3194), (327, 3287), (372, 3326), (418, 3383), (421, 3389), (432, 3416), (437, 3425), (444, 3440), (528, 3629), (548, 3701), (562, 3743), (628, 3926), (638, 3968), (647, 3995), (650, 4004), (677, 4064), (690, 4094), (698, 4103), (747, 4178), (762, 4211),

Gene: Emaanora_9 Start: 4055, Stop: 5491, Start Num: 108

Candidate Starts for Emaanora_9:

(Start: 99 @4049 has 4 MA's), (Start: 108 @4055 has 156 MA's), (123, 4079), (136, 4103), (Start: 166 @4172 has 2 MA's), (184, 4220), (187, 4232), (197, 4271), (249, 4424), (312, 4538), (346, 4580), (364, 4607), (398, 4640), (401, 4646), (446, 4736), (449, 4748), (470, 4823), (477, 4841), (520, 4919), (535, 4964), (549, 5021), (623, 5234), (631, 5258), (680, 5390), (726, 5456), (747, 5477),

Gene: Emalyn_4 Start: 2484, Stop: 3938, Start Num: 115

Candidate Starts for Emalyn_4:

(Start: 115 @2484 has 54 MA's), (133, 2508), (180, 2622), (184, 2631), (222, 2712), (244, 2796), (247, 2808), (288, 2877), (310, 2925), (391, 3024), (425, 3066), (446, 3117), (454, 3147), (459, 3165), (461, 3171), (520, 3321), (544, 3399), (554, 3426), (591, 3546), (621, 3630), (648, 3714), (656, 3732), (662, 3744), (663, 3747), (685, 3804), (687, 3807), (759, 3915),

Gene: Emerson_9 Start: 3029, Stop: 4582, Start Num: 50

Candidate Starts for Emerson_9:

(31, 2927), (Start: 49 @3014 has 25 MA's), (Start: 50 @3029 has 160 MA's), (128, 3131), (131, 3140), (160, 3212), (Start: 166 @3221 has 2 MA's), (174, 3245), (186, 3278), (188, 3287), (231, 3389), (237, 3410), (247, 3449), (248, 3452), (288, 3515), (294, 3530), (307, 3554), (333, 3605), (351, 3626), (385, 3680), (441, 3800), (452, 3833), (457, 3854), (464, 3875), (473, 3905), (517, 3938), (525, 3956), (541, 4016), (546, 4034), (550, 4046), (552, 4049), (556, 4061), (557, 4064), (573, 4100), (585, 4148), (601, 4199), (607, 4217), (640, 4313), (650, 4334), (661, 4361), (664, 4370), (681, 4406),

Gene: EmiRose_3 Start: 2568, Stop: 3956, Start Num: 106

Candidate Starts for EmiRose_3:

(Start: 106 @2568 has 46 MA's), (125, 2598), (189, 2760), (195, 2784), (197, 2790), (231, 2856), (234, 2865), (240, 2889), (248, 2916), (257, 2943), (286, 2982), (414, 3141), (424, 3168), (462, 3273), (470, 3303), (479, 3327), (520, 3390), (526, 3405), (538, 3444), (570, 3543), (582, 3591), (587, 3603), (600, 3645), (609, 3675), (635, 3738), (638, 3750), (647, 3777), (664, 3822), (708, 3897),

Gene: Emmaloid_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for Emmaloid_4:

(Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (336, 2704), (366, 2746), (397, 2797), (406, 2815), (421, 2848), (424, 2857), (425, 2860), (447, 2908), (449, 2917), (457, 2947), (463, 2965), (473, 2998), (526, 3055), (550, 3139), (557, 3157), (565, 3184), (571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (601, 3298), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532), (728, 3580),

Gene: Emotion_3 Start: 2309, Stop: 3673, Start Num: 100

Candidate Starts for Emotion_3:

(Start: 100 @2309 has 21 MA's), (Start: 166 @2435 has 2 MA's), (418, 2903), (422, 2912), (458, 3005), (544, 3194), (641, 3491), (647, 3500),

Gene: EmyBug_14 Start: 9923, Stop: 11410, Start Num: 74

Candidate Starts for EmyBug_14:

(Start: 74 @9923 has 530 MA's), (129, 9986), (174, 10091), (197, 10160), (252, 10301), (288, 10373), (315, 10427), (421, 10550), (435, 10586), (440, 10595), (452, 10634), (459, 10661), (461, 10667), (467, 10688), (486, 10739), (511, 10778), (601, 11033), (607, 11051), (617, 11081), (619, 11084), (621, 11090), (659, 11201), (662, 11207), (677, 11237), (696, 11282), (706, 11291),

Gene: EnalisNailo_3 Start: 2281, Stop: 3735, Start Num: 77

Candidate Starts for EnalisNailo_3:

(35, 2128), (41, 2188), (Start: 77 @2281 has 21 MA's), (183, 2467), (191, 2500), (202, 2533), (239, 2611), (241, 2620), (331, 2779), (344, 2794), (360, 2815), (422, 2884), (425, 2893), (440, 2926), (458, 2989), (461, 2998), (497, 3100), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3682),

Gene: Enby_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Enby_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Enceladus_5 Start: 2626, Stop: 4299, Start Num: 84

Candidate Starts for Enceladus_5:

(Start: 84 @2626 has 64 MA's), (131, 2689), (150, 2743), (165, 2767), (189, 2836), (195, 2860), (231, 2938), (241, 2974), (286, 3067), (287, 3070), (327, 3145), (372, 3184), (421, 3247), (432, 3274), (433, 3277), (444, 3298), (450, 3319), (462, 3361), (463, 3364), (520, 3466), (526, 3481), (528, 3487), (552, 3568), (561, 3595), (562, 3601), (592, 3694), (600, 3721), (603, 3730), (628, 3784), (633, 3805), (638, 3826), (647, 3853), (650, 3862), (677, 3922), (690, 3952), (698, 3961), (762, 4069), (782, 4264),

Gene: EniyanLRS_24 Start: 9432, Stop: 10871, Start Num: 87

Candidate Starts for EniyanLRS_24:

(63, 9399), (Start: 80 @9423 has 8 MA's), (Start: 87 @9432 has 9 MA's), (123, 9483), (131, 9495), (136, 9507), (187, 9639), (188, 9645), (189, 9648), (190, 9651), (195, 9672), (197, 9678), (230, 9738), (231, 9747), (237, 9768), (267, 9846), (411, 10026), (425, 10056), (433, 10074), (441, 10089), (450, 10116), (459, 10149), (463, 10161), (464, 10164), (481, 10209), (516, 10245), (526, 10266), (543, 10329), (561, 10380), (584, 10452), (601, 10506), (604, 10515), (635, 10596), (641, 10626), (660, 10668), (672, 10695), (701, 10746), (709, 10755), (751, 10812), (763, 10851),

Gene: Enkosi_5 Start: 2268, Stop: 3839, Start Num: 49

Candidate Starts for Enkosi_5:

(29, 2157), (31, 2178), (Start: 49 @2268 has 25 MA's), (Start: 50 @2283 has 160 MA's), (109, 2352), (119, 2367), (131, 2388), (Start: 166 @2469 has 2 MA's), (174, 2493), (186, 2526), (195, 2562), (231, 2637), (237, 2658), (241, 2673), (294, 2778), (327, 2844), (351, 2874), (383, 2928), (404, 2970), (421, 3006), (425, 3018), (441, 3051), (452, 3084), (464, 3126), (473, 3156), (517, 3189), (525, 3207), (526, 3213), (541, 3267), (546, 3285), (550, 3297), (556, 3312), (557, 3315), (569, 3348), (600, 3447), (601, 3450), (607, 3468), (628, 3510), (639, 3561), (640, 3564), (650, 3585), (660, 3609), (661, 3612), (664, 3621), (681, 3657), (684, 3672), (701, 3693),

Gene: EnochSoames_8 Start: 4237, Stop: 5679, Start Num: 108

Candidate Starts for EnochSoames_8:

(Start: 96 @4228 has 3 MA's), (Start: 99 @4231 has 4 MA's), (Start: 108 @4237 has 156 MA's), (Start: 166 @4354 has 2 MA's), (184, 4402), (312, 4720), (346, 4762), (364, 4789), (446, 4915), (449, 4927), (477, 5020), (520, 5098), (535, 5143), (549, 5200), (558, 5224), (631, 5437), (747, 5665),

Gene: Enochoraptor_3 Start: 1893, Stop: 3218, Start Num: 106

Candidate Starts for Enochoraptor_3:

(Start: 106 @1893 has 46 MA's), (113, 1899), (118, 1908), (128, 1926), (139, 1947), (157, 1998), (165, 2007), (167, 2013), (174, 2031), (180, 2040), (184, 2049), (185, 2052), (190, 2073), (192, 2082), (227, 2142), (237, 2181), (239, 2187), (244, 2208), (246, 2217), (296, 2310), (304, 2325), (306, 2328), (338, 2370), (348, 2382), (408, 2427), (415, 2439), (417, 2445), (424, 2463), (425, 2466), (430, 2475), (456,

2553), (459, 2565), (463, 2577), (474, 2613), (477, 2622), (499, 2664), (506, 2673), (509, 2682), (534, 2715), (547, 2760), (550, 2769), (554, 2778), (576, 2853), (584, 2877), (603, 2937), (608, 2952), (628, 2997), (639, 3048), (648, 3075), (658, 3096), (659, 3099), (662, 3105), (663, 3108), (670, 3123), (678, 3138), (679, 3141), (689, 3171),

Gene: Enoki_3 Start: 1881, Stop: 3206, Start Num: 106

Candidate Starts for Enoki_3:

(Start: 106 @1881 has 46 MA's), (118, 1896), (128, 1914), (139, 1935), (157, 1986), (165, 1995), (167, 2001), (174, 2019), (180, 2028), (184, 2037), (185, 2040), (190, 2061), (192, 2070), (227, 2130), (237, 2169), (239, 2175), (244, 2196), (246, 2205), (260, 2235), (261, 2238), (296, 2298), (304, 2313), (306, 2316), (335, 2355), (338, 2358), (348, 2370), (366, 2382), (417, 2433), (418, 2436), (425, 2454), (430, 2463), (456, 2541), (459, 2553), (463, 2565), (474, 2601), (477, 2610), (499, 2652), (506, 2661), (509, 2670), (534, 2703), (537, 2718), (547, 2748), (549, 2754), (550, 2757), (554, 2766), (576, 2841), (584, 2865), (621, 2979), (628, 2985), (639, 3036), (648, 3063), (658, 3084), (659, 3087), (662, 3093), (663, 3096), (670, 3111), (678, 3126), (679, 3129), (689, 3159),

Gene: EnzoK_12 Start: 8923, Stop: 10365, Start Num: 112

Candidate Starts for EnzoK_12:

(64, 8857), (Start: 112 @8923 has 204 MA's), (195, 9121), (288, 9334), (421, 9529), (425, 9541), (459, 9640), (547, 9835), (565, 9889), (584, 9952), (586, 9958), (601, 10006), (605, 10018), (608, 10027), (621, 10060), (639, 10117), (677, 10207), (687, 10240), (696, 10252),

Gene: EpicPhail_14 Start: 8654, Stop: 10108, Start Num: 74

Candidate Starts for EpicPhail_14:

(Start: 74 @8654 has 530 MA's), (Start: 114 @8684 has 8 MA's), (129, 8711), (174, 8816), (223, 8930), (242, 8996), (265, 9053), (301, 9131), (303, 9134), (421, 9275), (459, 9386), (461, 9392), (467, 9413), (544, 9578), (584, 9704), (601, 9758), (603, 9764), (608, 9779), (621, 9815), (649, 9902), (662, 9932), (677, 9962), (696, 10007), (706, 10016),

Gene: Eponine_10 Start: 3912, Stop: 5507, Start Num: 49

Candidate Starts for Eponine_10:

(Start: 49 @3912 has 25 MA's), (Start: 50 @3927 has 160 MA's), (60, 3951), (109, 4014), (160, 4122), (Start: 166 @4131 has 2 MA's), (186, 4188), (188, 4197), (189, 4200), (197, 4230), (231, 4299), (237, 4320), (246, 4356), (248, 4362), (271, 4386), (294, 4437), (315, 4476), (351, 4533), (399, 4611), (400, 4614), (404, 4620), (414, 4638), (424, 4665), (425, 4668), (441, 4701), (452, 4734), (457, 4755), (464, 4776), (517, 4839), (526, 4863), (535, 4887), (546, 4935), (550, 4947), (557, 4965), (571, 5004), (576, 5028), (603, 5112), (605, 5118), (607, 5124), (618, 5193), (628, 5217), (650, 5292), (661, 5319), (664, 5328), (681, 5364), (693, 5391), (704, 5403),

Gene: Epsocamisio_15 Start: 8380, Stop: 9840, Start Num: 74

Candidate Starts for Epsocamisio_15:

(Start: 74 @8380 has 530 MA's), (129, 8440), (174, 8545), (196, 8611), (271, 8794), (288, 8827), (301, 8860), (452, 9091), (459, 9118), (461, 9124), (467, 9145), (474, 9166), (486, 9196), (501, 9220), (544, 9310), (555, 9340), (584, 9436), (593, 9463), (601, 9490), (607, 9508), (608, 9511), (617, 9544), (621, 9553), (662, 9670), (677, 9700), (706, 9754),

Gene: Equemioh13_15 Start: 9710, Stop: 11170, Start Num: 74

Candidate Starts for Equemioh13_15:

(Start: 74 @9710 has 530 MA's), (129, 9770), (170, 9863), (174, 9875), (288, 10157), (301, 10190), (422, 10337), (425, 10346), (452, 10418), (459, 10445), (461, 10451), (467, 10472), (565, 10700), (601, 10817), (608, 10838), (617, 10865), (621, 10874), (662, 10991), (677, 11021), (685, 11051), (706, 11075),

Gene: Eraser_3 Start: 2266, Stop: 3642, Start Num: 104

Candidate Starts for Eraser_3:

(Start: 104 @2266 has 48 MA's), (Start: 166 @2386 has 2 MA's), (197, 2485), (318, 2749), (478, 3022), (555, 3181), (573, 3229), (579, 3259), (587, 3283), (647, 3457), (710, 3577),

Gene: EricB_16 Start: 9275, Stop: 10738, Start Num: 74

Candidate Starts for EricB_16:

(Start: 74 @9275 has 530 MA's), (97, 9296), (129, 9335), (167, 9422), (171, 9434), (174, 9440), (288, 9722), (434, 9935), (452, 9986), (459, 10013), (461, 10019), (467, 10040), (608, 10406), (617, 10433), (621, 10442), (640, 10502), (662, 10559), (677, 10589), (685, 10619), (709, 10646),

Gene: Erik_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Erik_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Eris_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Eris_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Eros_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Eros_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (565, 9580), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Esperer_7 Start: 4081, Stop: 5523, Start Num: 108

Candidate Starts for Esperer_7:

(Start: 96 @4072 has 3 MA's), (Start: 99 @4075 has 4 MA's), (Start: 108 @4081 has 156 MA's), (Start: 166 @4198 has 2 MA's), (184, 4246), (312, 4564), (346, 4606), (364, 4633), (398, 4666), (446, 4759), (449, 4771), (477, 4864), (520, 4942), (535, 4987), (549, 5044), (558, 5068), (631, 5281), (747, 5509),

Gene: Espica_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Espica_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Espresso_12 Start: 8785, Stop: 10227, Start Num: 112

Candidate Starts for Espresso_12:

(64, 8719), (Start: 112 @8785 has 204 MA's), (195, 8983), (288, 9196), (421, 9391), (425, 9403), (459, 9502), (547, 9697), (561, 9736), (584, 9814), (586, 9820), (601, 9868), (605, 9880), (608, 9889), (639, 9979), (677, 10069), (687, 10102), (696, 10114),

Gene: Estes_20 Start: 7004, Stop: 8605, Start Num: 55

Candidate Starts for Estes_20:

(Start: 55 @7004 has 21 MA's), (165, 7193), (175, 7226), (181, 7238), (188, 7262), (195, 7289), (197, 7295), (231, 7367), (233, 7373), (240, 7400), (241, 7403), (271, 7466), (273, 7469), (283, 7487), (364, 7604), (421, 7661), (447, 7721), (449, 7730), (463, 7778), (464, 7781), (533, 7904), (541, 7940), (558, 7991), (560, 7994), (571, 8024), (575, 8033), (593, 8099), (595, 8102), (601, 8126), (635, 8216), (650, 8264), (709, 8375), (751, 8447),

Gene: Et2Brutus_12 Start: 9787, Stop: 11244, Start Num: 74

Candidate Starts for Et2Brutus_12:

(Start: 74 @9787 has 530 MA's), (120, 9832), (129, 9847), (174, 9952), (288, 10234), (301, 10267), (425, 10423), (452, 10495), (459, 10522), (461, 10528), (467, 10549), (486, 10600), (592, 10864), (601, 10894), (608, 10915), (612, 10930), (617, 10942), (621, 10951), (649, 11038), (662, 11068), (677, 11098), (685, 11128), (736, 11194),

Gene: Euphoria_12 Start: 8681, Stop: 10123, Start Num: 112

Candidate Starts for Euphoria_12:

(64, 8615), (Start: 112 @8681 has 204 MA's), (195, 8879), (288, 9092), (421, 9287), (425, 9299), (459, 9398), (484, 9470), (547, 9593), (561, 9632), (584, 9710), (586, 9716), (601, 9764), (605, 9776), (608, 9785), (639, 9875), (677, 9965), (687, 9998), (696, 10010),

Gene: Eurydice_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Eurydice_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: EvePickles_4 Start: 2275, Stop: 3612, Start Num: 111

Candidate Starts for EvePickles_4:

(44, 2152), (46, 2155), (Start: 55 @2197 has 21 MA's), (60, 2209), (Start: 96 @2263 has 3 MA's), (Start: 111 @2275 has 22 MA's), (138, 2323), (165, 2386), (170, 2398), (277, 2656), (301, 2713), (344, 2776), (377, 2821), (415, 2848), (418, 2857), (430, 2884), (457, 2965), (461, 2977), (462, 2980), (468, 3004), (485, 3046), (547, 3172), (565, 3226), (584, 3289), (587, 3298), (600, 3340), (604, 3352), (619, 3391), (640, 3457), (677, 3538), (681, 3547), (716, 3598),

Gene: EvilGenius_15 Start: 9621, Stop: 11096, Start Num: 74

Candidate Starts for EvilGenius_15:

(Start: 74 @9621 has 530 MA's), (129, 9681), (174, 9786), (246, 9984), (288, 10068), (301, 10101), (388, 10212), (452, 10329), (459, 10356), (461, 10362), (467, 10383), (468, 10389), (486, 10434), (547, 10557), (601, 10728), (607, 10746), (608, 10749), (617, 10776), (621, 10785), (662, 10902), (677, 10932), (685, 10962), (706, 10986), (760, 11073),

Gene: Ewald_6 Start: 2915, Stop: 4390, Start Num: 111

Candidate Starts for Ewald_6:

(Start: 111 @2915 has 22 MA's), (170, 3038), (187, 3086), (190, 3098), (193, 3110), (195, 3119), (231, 3194), (240, 3227), (241, 3230), (242, 3233), (246, 3251), (248, 3257), (254, 3278), (274, 3296), (299, 3362), (301, 3368), (353, 3452), (355, 3455), (447, 3617), (452, 3635), (462, 3671), (463, 3674), (465, 3680), (473, 3707), (481, 3731), (489, 3761), (509, 3809), (528, 3857), (536, 3881), (571, 3992), (600, 4091), (616, 4130), (660, 4241), (678, 4280), (700, 4322), (703, 4325),

Gene: Exile_3 Start: 2293, Stop: 3681, Start Num: 100

Candidate Starts for Exile_3:

(Start: 100 @2293 has 21 MA's), (Start: 166 @2416 has 2 MA's), (273, 2686), (579, 3286), (635, 3445), (641, 3475), (647, 3484), (681, 3562),

Gene: Expelliarmus_9 Start: 7423, Stop: 8853, Start Num: 75

Candidate Starts for Expelliarmus_9:

(Start: 75 @7423 has 72 MA's), (173, 7573), (233, 7720), (288, 7855), (363, 7966), (421, 8029), (440, 8074), (459, 8140), (467, 8167), (484, 8212), (544, 8332), (576, 8434), (601, 8512), (603, 8518), (621, 8569), (662, 8686), (677, 8716), (706, 8770),

Gene: ExplosioNervosa_14 Start: 9926, Stop: 11413, Start Num: 74

Candidate Starts for ExplosioNervosa_14:

(Start: 74 @9926 has 530 MA's), (129, 9989), (174, 10094), (197, 10163), (252, 10304), (271, 10343), (288, 10376), (301, 10409), (421, 10553), (452, 10637), (459, 10664), (461, 10670), (467, 10691), (477, 10721), (501, 10766), (511, 10781), (601, 11036), (607, 11054), (617, 11084), (619, 11087), (621, 11093), (659, 11204), (662, 11210), (677, 11240), (696, 11285), (706, 11294),

Gene: Eyeball_12 Start: 8428, Stop: 9870, Start Num: 112

Candidate Starts for Eyeball_12:

(64, 8362), (Start: 112 @8428 has 204 MA's), (195, 8626), (288, 8839), (421, 9034), (425, 9046), (459, 9145), (547, 9340), (561, 9379), (584, 9457), (586, 9463), (601, 9511), (605, 9523), (608, 9532), (639, 9622), (677, 9712), (687, 9745), (696, 9757),

Gene: FF47_06 Start: 3436, Stop: 4959, Start Num: 80

Candidate Starts for FF47_06:

(47, 3352), (Start: 80 @3436 has 8 MA's), (95, 3451), (129, 3493), (170, 3586), (174, 3598), (189, 3637), (191, 3646), (195, 3661), (221, 3724), (223, 3736), (229, 3751), (242, 3802), (246, 3820), (301, 3931), (461, 4195), (485, 4264), (498, 4303), (568, 4465), (579, 4504), (600, 4570), (606, 4588), (640, 4681), (644, 4696),

Gene: Faith1_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Faith1_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Faja_4 Start: 2274, Stop: 3605, Start Num: 111

Candidate Starts for Faja_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (117, 2283), (165, 2385), (170, 2397), (227, 2538), (239, 2583), (243, 2598), (248, 2619), (281, 2655), (288, 2673), (328, 2754), (365, 2799), (430, 2877), (457, 2958), (461, 2970), (462, 2973), (468, 2997), (485, 3039), (542, 3150), (547, 3165), (559, 3195), (587, 3291), (677, 3531), (678, 3534), (681, 3540), (716, 3591),

Gene: Fajezeel_14 Start: 9005, Stop: 10447, Start Num: 112

Candidate Starts for Fajezeel_14:

(64, 8939), (Start: 112 @9005 has 204 MA's), (195, 9203), (288, 9416), (421, 9611), (459, 9722), (547, 9917), (561, 9956), (584, 10034), (586, 10040), (601, 10088), (605, 10100), (608, 10109), (639, 10199), (677, 10289), (687, 10322), (696, 10334),

Gene: Fameo_13 Start: 9238, Stop: 10701, Start Num: 74

Candidate Starts for Fameo_13:

(Start: 74 @9238 has 530 MA's), (129, 9298), (174, 9403), (246, 9601), (288, 9685), (301, 9718), (388, 9829), (422, 9865), (452, 9946), (459, 9973), (461, 9979), (467, 10000), (468, 10006), (486, 10051),

(547, 10174), (601, 10345), (607, 10363), (608, 10366), (617, 10393), (621, 10402), (662, 10519), (677, 10549), (685, 10579), (706, 10603),

Gene: Farber_14 Start: 8647, Stop: 10101, Start Num: 74

Candidate Starts for Farber_14:

(Start: 74 @8647 has 530 MA's), (Start: 114 @8677 has 8 MA's), (129, 8704), (174, 8809), (223, 8923), (242, 8989), (265, 9046), (301, 9124), (303, 9127), (421, 9268), (459, 9379), (461, 9385), (467, 9406), (544, 9571), (584, 9697), (601, 9751), (603, 9757), (608, 9772), (621, 9808), (649, 9895), (662, 9925), (677, 9955), (696, 10000), (706, 10009),

Gene: Farewell_3 Start: 2307, Stop: 3758, Start Num: 103

Candidate Starts for Farewell_3:

(Start: 100 @2304 has 21 MA's), (Start: 103 @2307 has 2 MA's), (Start: 108 @2313 has 156 MA's), (131, 2352), (156, 2418), (184, 2481), (189, 2502), (193, 2517), (197, 2532), (241, 2637), (247, 2661), (351, 2835), (357, 2844), (402, 2934), (414, 2955), (424, 2982), (425, 2985), (463, 3090), (515, 3159), (535, 3204), (566, 3312), (571, 3321), (576, 3345), (590, 3387), (601, 3423), (607, 3441), (637, 3522), (657, 3585), (671, 3615), (712, 3678),

Gene: FarmResident_5 Start: 2373, Stop: 4010, Start Num: 87

Candidate Starts for FarmResident_5:

(Start: 87 @2373 has 9 MA's), (137, 2448), (188, 2577), (189, 2580), (197, 2610), (231, 2682), (241, 2718), (251, 2757), (327, 2889), (372, 2928), (407, 2961), (418, 2985), (421, 2991), (430, 3012), (432, 3018), (433, 3021), (444, 3042), (462, 3105), (463, 3108), (520, 3210), (528, 3231), (562, 3345), (592, 3438), (600, 3465), (628, 3528), (638, 3570), (647, 3597), (648, 3600), (650, 3606), (677, 3666), (690, 3696), (698, 3705), (704, 3711), (757, 3801), (762, 3813), (776, 3891),

Gene: Fascinus_11 Start: 8431, Stop: 9873, Start Num: 112

Candidate Starts for Fascinus_11:

(64, 8365), (Start: 112 @8431 has 204 MA's), (195, 8629), (288, 8842), (421, 9037), (425, 9049), (459, 9148), (547, 9343), (561, 9382), (584, 9460), (586, 9466), (601, 9514), (605, 9526), (608, 9535), (639, 9625), (677, 9715), (687, 9748), (696, 9760),

Gene: Fayely_14 Start: 9926, Stop: 11413, Start Num: 74

Candidate Starts for Fayely_14:

(Start: 74 @9926 has 530 MA's), (129, 9989), (174, 10094), (197, 10163), (252, 10304), (271, 10343), (288, 10376), (301, 10409), (421, 10553), (435, 10589), (440, 10598), (452, 10637), (459, 10664), (461, 10670), (467, 10691), (477, 10721), (486, 10742), (501, 10766), (511, 10781), (601, 11036), (607, 11054), (617, 11084), (619, 11087), (621, 11093), (659, 11204), (662, 11210), (677, 11240), (696, 11285), (706, 11294),

Gene: Feastonyeet_4 Start: 2601, Stop: 4034, Start Num: 115

Candidate Starts for Feastonyeet_4:

(Start: 115 @2601 has 54 MA's), (133, 2625), (142, 2649), (190, 2769), (191, 2775), (213, 2811), (228, 2847), (232, 2865), (241, 2898), (247, 2922), (288, 2991), (301, 3024), (425, 3180), (446, 3231), (454, 3261), (461, 3285), (474, 3327), (499, 3396), (530, 3462), (554, 3534), (565, 3570), (607, 3705), (621, 3738), (640, 3798), (647, 3819), (662, 3852), (685, 3912), (687, 3915), (759, 4026),

Gene: Fefferhead_8 Start: 2819, Stop: 4372, Start Num: 50

Candidate Starts for Fefferhead_8:

(28, 2687), (31, 2714), (Start: 49 @2804 has 25 MA's), (Start: 50 @2819 has 160 MA's), (128, 2918), (131, 2927), (135, 2936), (Start: 166 @3008 has 2 MA's), (174, 3032), (186, 3065), (207, 3125), (231, 3176), (237, 3197), (241, 3212), (288, 3302), (294, 3317), (333, 3392), (351, 3413), (366, 3437), (404, 3506), (421, 3542), (425, 3554), (441, 3587), (452, 3620), (457, 3641), (464, 3662), (473, 3692), (517,

3725), (525, 3743), (535, 3773), (546, 3821), (550, 3833), (552, 3836), (556, 3848), (557, 3851), (565, 3878), (585, 3935), (607, 4004), (614, 4025), (640, 4100), (650, 4121), (661, 4148), (664, 4157), (681, 4193),

Gene: FeliMaine_38 Start: 12860, Stop: 14425, Start Num: 48

Candidate Starts for FeliMaine_38:

(Start: 48 @12860 has 17 MA's), (119, 12977), (172, 13097), (190, 13142), (192, 13151), (233, 13241), (245, 13289), (246, 13292), (277, 13334), (281, 13337), (289, 13361), (334, 13433), (337, 13436), (367, 13475), (384, 13496), (386, 13499), (424, 13544), (456, 13634), (458, 13643), (461, 13652), (474, 13694), (475, 13697), (488, 13736), (510, 13778), (512, 13784), (514, 13787), (532, 13832), (554, 13901), (584, 14000), (588, 14012), (622, 14111), (641, 14177), (651, 14198), (656, 14213), (706, 14306), (717, 14321),

Gene: Fenn_13 Start: 9995, Stop: 11437, Start Num: 112

Candidate Starts for Fenn_13:

(64, 9929), (Start: 112 @9995 has 204 MA's), (195, 10193), (288, 10406), (421, 10601), (425, 10613), (459, 10712), (547, 10907), (561, 10946), (584, 11024), (586, 11030), (601, 11078), (605, 11090), (608, 11099), (639, 11189), (677, 11279), (687, 11312), (696, 11324),

Gene: Fernando_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for Fernando_14:

(Start: 74 @8652 has 530 MA's), (Start: 114 @8682 has 8 MA's), (129, 8709), (174, 8814), (223, 8928), (242, 8994), (265, 9051), (301, 9129), (303, 9132), (421, 9273), (459, 9384), (461, 9390), (467, 9411), (544, 9576), (584, 9702), (601, 9756), (603, 9762), (608, 9777), (621, 9813), (649, 9900), (662, 9930), (677, 9960), (696, 10005), (706, 10014),

Gene: Feyre_7 Start: 2766, Stop: 4301, Start Num: 50

Candidate Starts for Feyre_7:

(Start: 50 @2766 has 160 MA's), (109, 2838), (131, 2874), (135, 2883), (149, 2928), (186, 3012), (189, 3024), (197, 3054), (207, 3072), (231, 3123), (241, 3159), (248, 3186), (286, 3237), (287, 3240), (288, 3246), (294, 3261), (297, 3264), (333, 3336), (351, 3357), (370, 3387), (396, 3432), (421, 3486), (441, 3531), (452, 3564), (462, 3600), (463, 3603), (464, 3606), (517, 3669), (525, 3687), (526, 3693), (546, 3765), (550, 3777), (552, 3780), (557, 3795), (575, 3840), (576, 3855), (583, 3876), (600, 3930), (601, 3933), (607, 3951), (612, 3966), (637, 4032), (640, 4047), (650, 4068), (657, 4086), (664, 4104), (681, 4140), (735, 4227),

Gene: Fibonacci_13 Start: 9787, Stop: 11244, Start Num: 74

Candidate Starts for Fibonacci_13:

(Start: 74 @9787 has 530 MA's), (120, 9832), (129, 9847), (174, 9952), (288, 10234), (301, 10267), (425, 10423), (452, 10495), (459, 10522), (461, 10528), (467, 10549), (486, 10600), (592, 10864), (601, 10894), (608, 10915), (612, 10930), (617, 10942), (621, 10951), (649, 11038), (662, 11068), (677, 11098), (685, 11128), (736, 11194),

Gene: Findley_5 Start: 2088, Stop: 3593, Start Num: 50

Candidate Starts for Findley_5:

(Start: 50 @2088 has 160 MA's), (81, 2133), (109, 2154), (131, 2190), (Start: 166 @2271 has 2 MA's), (186, 2328), (189, 2340), (195, 2364), (197, 2370), (227, 2421), (231, 2439), (237, 2460), (246, 2496), (248, 2502), (271, 2526), (288, 2562), (333, 2652), (351, 2673), (368, 2700), (395, 2742), (396, 2748), (404, 2766), (425, 2814), (441, 2847), (444, 2853), (457, 2901), (464, 2922), (473, 2952), (517, 2985), (525, 3003), (526, 3009), (535, 3033), (550, 3093), (555, 3105), (557, 3111), (571, 3150), (607, 3270), (628, 3312), (660, 3411), (661, 3414), (664, 3423), (684, 3474), (720, 3519), (760, 3570),

Gene: Finemlucis_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Finemlucis_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (779, 4186), (782, 4258),

Gene: Finnry_6 Start: 2753, Stop: 4396, Start Num: 84

Candidate Starts for Finnry_6:

(Start: 84 @2753 has 64 MA's), (128, 2813), (189, 2963), (197, 2993), (231, 3065), (249, 3131), (278, 3179), (327, 3272), (372, 3311), (418, 3368), (421, 3374), (432, 3401), (437, 3410), (444, 3425), (528, 3614), (538, 3647), (548, 3686), (562, 3728), (628, 3911), (638, 3953), (647, 3980), (650, 3989), (677, 4049), (690, 4079), (698, 4088), (747, 4163), (762, 4196),

Gene: Fionnbharth_10 Start: 3922, Stop: 5508, Start Num: 50

Candidate Starts for Fionnbharth_10:

(Start: 49 @3907 has 25 MA's), (Start: 50 @3922 has 160 MA's), (60, 3946), (109, 4012), (135, 4057), (Start: 166 @4129 has 2 MA's), (186, 4186), (188, 4195), (189, 4198), (197, 4228), (231, 4297), (237, 4318), (246, 4354), (248, 4360), (271, 4384), (288, 4420), (294, 4435), (315, 4474), (399, 4609), (404, 4618), (414, 4636), (424, 4663), (425, 4666), (441, 4699), (452, 4732), (457, 4753), (464, 4774), (517, 4837), (526, 4861), (535, 4885), (546, 4933), (550, 4945), (555, 4957), (557, 4963), (571, 5002), (605, 5116), (607, 5122), (650, 5293), (661, 5320), (664, 5329), (693, 5392), (704, 5404),

Gene: FiringLine_13 Start: 9170, Stop: 10633, Start Num: 74

Candidate Starts for FiringLine_13:

(Start: 74 @9170 has 530 MA's), (129, 9230), (174, 9335), (246, 9533), (288, 9617), (301, 9650), (388, 9761), (452, 9878), (459, 9905), (461, 9911), (467, 9932), (468, 9938), (486, 9983), (547, 10106), (601, 10277), (607, 10295), (608, 10298), (617, 10325), (621, 10334), (662, 10451), (677, 10481), (685, 10511),

Gene: First_0013 Start: 9230, Stop: 10690, Start Num: 74

Candidate Starts for First_0013:

(Start: 74 @9230 has 530 MA's), (129, 9290), (174, 9395), (281, 9659), (288, 9677), (301, 9710), (388, 9821), (452, 9938), (459, 9965), (461, 9971), (467, 9992), (468, 9998), (486, 10043), (555, 10187), (583, 10280), (601, 10337), (607, 10355), (608, 10358), (617, 10385), (621, 10394), (662, 10511), (669, 10526), (677, 10541), (685, 10571), (706, 10595),

Gene: FlagStaff_3 Start: 1900, Stop: 3444, Start Num: 59

Candidate Starts for FlagStaff_3:

(Start: 59 @1900 has 72 MA's), (117, 1972), (118, 1975), (168, 2083), (184, 2116), (201, 2179), (238, 2263), (239, 2266), (281, 2350), (299, 2395), (301, 2401), (356, 2476), (360, 2482), (422, 2548), (427, 2560), (429, 2563), (441, 2593), (461, 2662), (471, 2698), (506, 2782), (534, 2839), (553, 2899), (607, 3076), (651, 3208), (679, 3271), (688, 3298), (729, 3343),

Gene: Flare16_13 Start: 9268, Stop: 10728, Start Num: 74

Candidate Starts for Flare16_13:

(Start: 74 @9268 has 530 MA's), (129, 9328), (170, 9421), (174, 9433), (288, 9715), (301, 9748), (422, 9895), (425, 9904), (452, 9976), (459, 10003), (461, 10009), (467, 10030), (565, 10258), (601, 10375), (608, 10396), (617, 10423), (621, 10432), (662, 10549), (677, 10579), (685, 10609), (706, 10633),

Gene: Flathead_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Flathead_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (366, 2745), (421, 2847), (425, 2859), (430, 2868), (444, 2898), (447, 2907), (457, 2946), (463, 2964), (464, 2967), (473, 2997), (526, 3054), (538, 3093), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Flaverint_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Flaverint_13:

(Start: 74 @9784 has 530 MA's), (120, 9829), (129, 9844), (174, 9949), (288, 10231), (301, 10264), (425, 10420), (452, 10492), (459, 10519), (461, 10525), (467, 10546), (486, 10597), (592, 10861), (601, 10891), (608, 10912), (612, 10927), (617, 10939), (621, 10948), (649, 11035), (662, 11065), (677, 11095), (685, 11125), (736, 11191),

Gene: Floof_3 Start: 2472, Stop: 4010, Start Num: 104

Candidate Starts for Floof_3:

(Start: 104 @2472 has 48 MA's), (Start: 166 @2592 has 2 MA's), (184, 2640), (197, 2691), (287, 2877), (481, 3225), (524, 3285), (528, 3300), (565, 3423), (566, 3426), (579, 3468), (638, 3633), (641, 3651), (647, 3660), (650, 3669), (756, 3849),

Gene: Floral_3 Start: 2281, Stop: 3735, Start Num: 77

Candidate Starts for Floral_3:

(35, 2128), (41, 2188), (Start: 77 @2281 has 21 MA's), (183, 2467), (191, 2500), (202, 2533), (239, 2611), (241, 2620), (331, 2779), (344, 2794), (360, 2815), (422, 2884), (425, 2893), (440, 2926), (458, 2989), (461, 2998), (497, 3100), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3682),

Gene: Florean_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Florean_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Flux_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Flux_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (565, 9580), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: FlyCatcher_16 Start: 9998, Stop: 11494, Start Num: 74

Candidate Starts for FlyCatcher_16:

(Start: 74 @9998 has 530 MA's), (174, 10163), (223, 10313), (242, 10379), (281, 10463), (289, 10487), (301, 10514), (312, 10532), (363, 10595), (414, 10643), (418, 10655), (424, 10670), (425, 10673), (452, 10745), (459, 10772), (461, 10778), (467, 10799), (474, 10820), (477, 10829), (496, 10877), (544, 10982), (584, 11108), (585, 11111), (601, 11162), (603, 11168), (608, 11183), (640, 11282), (647, 11303), (649, 11309), (662, 11339), (677, 11369), (685, 11399), (687, 11402), (702, 11420),

Gene: Footloose_3 Start: 2197, Stop: 3531, Start Num: 108

Candidate Starts for Footloose_3:

(Start: 55 @2122 has 21 MA's), (Start: 99 @2191 has 4 MA's), (Start: 102 @2194 has 4 MA's), (Start: 108 @2197 has 156 MA's), (117, 2212), (128, 2233), (131, 2236), (159, 2311), (187, 2383), (188,

2389), (189, 2392), (190, 2395), (195, 2416), (196, 2419), (209, 2449), (211, 2455), (216, 2464), (224, 2467), (229, 2479), (237, 2512), (249, 2557), (256, 2578), (268, 2581), (288, 2614), (291, 2626), (303, 2647), (323, 2674), (346, 2686), (404, 2746), (462, 2896), (477, 2944), (479, 2950), (513, 2980), (552, 3091), (558, 3109), (573, 3148), (581, 3187), (585, 3196), (600, 3244), (601, 3247), (624, 3301), (631, 3322), (635, 3337), (641, 3367), (647, 3376), (654, 3397), (666, 3421), (704, 3487),

Gene: ForGetIt_10 Start: 7783, Stop: 9216, Start Num: 75

Candidate Starts for ForGetIt_10:

(Start: 75 @7783 has 72 MA's), (185, 7951), (188, 7966), (190, 7972), (252, 8140), (265, 8167), (301, 8245), (363, 8326), (424, 8398), (425, 8401), (452, 8473), (461, 8506), (467, 8527), (477, 8557), (501, 8602), (584, 8818), (601, 8872), (607, 8890), (621, 8929), (662, 9046), (677, 9076), (685, 9106), (706, 9130),

Gene: Forsytheast_11 Start: 8695, Stop: 10137, Start Num: 112

Candidate Starts for Forsytheast_11:

(64, 8629), (Start: 112 @8695 has 204 MA's), (195, 8893), (288, 9106), (421, 9301), (425, 9313), (459, 9412), (484, 9484), (547, 9607), (561, 9646), (584, 9724), (586, 9730), (601, 9778), (605, 9790), (608, 9799), (639, 9889), (677, 9979), (687, 10012), (696, 10024),

Gene: FosterFrank_3 Start: 2383, Stop: 3747, Start Num: 100

Candidate Starts for FosterFrank_3:

(Start: 100 @2383 has 21 MA's), (182, 2551), (187, 2569), (196, 2605), (248, 2743), (260, 2779), (293, 2860), (308, 2890), (324, 2920), (363, 2965), (381, 2986), (418, 3019), (463, 3139), (539, 3298), (552, 3331), (571, 3385), (601, 3487), (640, 3589), (641, 3595), (718, 3739),

Gene: Francis47_12 Start: 8932, Stop: 10374, Start Num: 112

Candidate Starts for Francis47_12:

(64, 8866), (Start: 112 @8932 has 204 MA's), (195, 9130), (288, 9343), (421, 9538), (425, 9550), (459, 9649), (484, 9721), (547, 9844), (561, 9883), (584, 9961), (586, 9967), (601, 10015), (605, 10027), (608, 10036), (639, 10126), (677, 10216), (687, 10249), (696, 10261),

Gene: Frankie_4 Start: 2198, Stop: 3793, Start Num: 108

Candidate Starts for Frankie_4:

(Start: 108 @2198 has 156 MA's), (124, 2225), (131, 2237), (184, 2366), (188, 2384), (197, 2417), (231, 2486), (241, 2522), (246, 2543), (248, 2549), (271, 2573), (273, 2576), (308, 2651), (312, 2657), (323, 2684), (336, 2702), (366, 2744), (397, 2795), (406, 2813), (421, 2846), (424, 2855), (447, 2906), (449, 2915), (457, 2945), (463, 2963), (464, 2966), (473, 2996), (526, 3053), (550, 3137), (557, 3155), (565, 3182), (571, 3194), (573, 3197), (575, 3203), (576, 3218), (587, 3251), (628, 3356), (629, 3359), (650, 3431), (652, 3437), (655, 3446), (657, 3449), (660, 3455), (664, 3467), (684, 3518), (741, 3602), (750, 3617), (764, 3659), (768, 3680), (769, 3686), (771, 3689), (780, 3776),

Gene: FreakyGoo_15 Start: 6260, Stop: 7882, Start Num: 55

Candidate Starts for FreakyGoo_15:

(Start: 55 @6260 has 21 MA's), (Start: 62 @6275 has 13 MA's), (135, 6383), (142, 6401), (165, 6449), (175, 6482), (181, 6494), (188, 6518), (195, 6545), (197, 6551), (231, 6623), (233, 6629), (241, 6659), (267, 6740), (271, 6746), (273, 6749), (283, 6767), (411, 6923), (421, 6941), (425, 6953), (447, 7001), (463, 7058), (464, 7061), (495, 7130), (533, 7184), (541, 7220), (558, 7271), (560, 7274), (571, 7304), (575, 7313), (593, 7379), (595, 7382), (600, 7403), (601, 7406), (623, 7457), (650, 7544), (709, 7655), (727, 7685), (747, 7721), (751, 7727), (757, 7742), (762, 7754), (777, 7838),

Gene: Fred313_12 Start: 7896, Stop: 9362, Start Num: 75

Candidate Starts for Fred313_12:

(Start: 75 @7896 has 72 MA's), (117, 7941), (174, 8067), (197, 8136), (204, 8151), (233, 8214), (239, 8235), (242, 8247), (246, 8265), (265, 8304), (281, 8331), (418, 8520), (452, 8610), (458, 8634), (459, 8637), (461, 8643), (467, 8664), (544, 8841), (584, 8967), (585, 8970), (601, 9021), (603, 9027), (608, 9042), (617, 9072), (662, 9198), (677, 9228), (687, 9258),

Gene: Fribs8_6 Start: 3474, Stop: 4919, Start Num: 115

Candidate Starts for Fribs8_6:

(Start: 115 @3474 has 54 MA's), (126, 3486), (129, 3492), (147, 3534), (156, 3564), (190, 3642), (227, 3711), (288, 3858), (412, 4017), (424, 4047), (429, 4056), (454, 4131), (461, 4155), (463, 4161), (495, 4257), (506, 4275), (520, 4305), (534, 4341), (554, 4404), (568, 4449), (596, 4539), (600, 4554), (604, 4566), (607, 4575), (617, 4599), (640, 4668), (642, 4677), (656, 4710), (662, 4722), (663, 4725), (704, 4797),

Gene: Frickyeah_4 Start: 2191, Stop: 3627, Start Num: 73

Candidate Starts for Frickyeah_4:

(Start: 73 @2191 has 29 MA's), (142, 2281), (163, 2332), (165, 2335), (201, 2440), (227, 2482), (235, 2512), (241, 2536), (252, 2569), (410, 2776), (450, 2878), (452, 2884), (458, 2908), (465, 2929), (466, 2935), (475, 2962), (481, 2980), (492, 3013), (518, 3064), (534, 3094), (551, 3148), (561, 3178), (571, 3208), (607, 3331), (637, 3424), (640, 3439), (665, 3502), (694, 3562), (720, 3589),

Gene: Frogopper_13 Start: 8374, Stop: 9816, Start Num: 112

Candidate Starts for Frogopper_13:

(64, 8308), (Start: 112 @8374 has 204 MA's), (195, 8572), (288, 8785), (421, 8980), (425, 8992), (459, 9091), (547, 9286), (561, 9325), (584, 9403), (586, 9409), (601, 9457), (605, 9469), (608, 9478), (639, 9568), (677, 9658), (687, 9691), (696, 9703),

Gene: Frosty24_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Frosty24_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Fryberger_35 Start: 11260, Stop: 12666, Start Num: 114

Candidate Starts for Fryberger_35:

(Start: 114 @11260 has 8 MA's), (137, 11299), (155, 11347), (181, 11407), (231, 11533), (248, 11596), (250, 11602), (286, 11647), (361, 11782), (406, 11851), (444, 11932), (450, 11953), (457, 11980), (517, 12064), (550, 12172), (590, 12295), (599, 12325), (600, 12328), (640, 12436), (641, 12442), (655, 12472), (660, 12481), (661, 12484), (664, 12493), (706, 12565), (713, 12574), (722, 12589),

Gene: Funston_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Funston_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Fushigi_13 Start: 9096, Stop: 10538, Start Num: 112

Candidate Starts for Fushigi_13:

(64, 9030), (Start: 112 @9096 has 204 MA's), (195, 9294), (288, 9507), (421, 9702), (459, 9813), (547, 10008), (561, 10047), (584, 10125), (586, 10131), (601, 10179), (605, 10191), (608, 10200), (639, 10290), (677, 10380), (687, 10413), (696, 10425),

Gene: G4_4 Start: 2407, Stop: 3918, Start Num: 61

Candidate Starts for G4_4:

(Start: 61 @2407 has 4 MA's), (Start: 99 @2461 has 4 MA's), (133, 2506), (145, 2539), (170, 2596), (184, 2629), (196, 2677), (241, 2788), (244, 2800), (257, 2830), (269, 2851), (276, 2854), (279, 2860), (369, 3004), (388, 3025), (424, 3067), (449, 3133), (450, 3136), (453, 3145), (456, 3157), (461, 3175), (501, 3280), (540, 3346), (561, 3406), (565, 3421), (605, 3550), (606, 3553), (607, 3556), (613, 3577), (633, 3625), (636, 3637), (639, 3655), (675, 3739), (682, 3757), (702, 3793),

Gene: GMA4_3 Start: 2101, Stop: 3495, Start Num: 86

Candidate Starts for GMA4_3:

(Start: 86 @2101 has 5 MA's), (142, 2191), (157, 2227), (191, 2317), (195, 2332), (226, 2386), (237, 2428), (246, 2464), (247, 2467), (248, 2470), (251, 2482), (273, 2521), (286, 2545), (292, 2569), (315, 2617), (320, 2629), (346, 2668), (368, 2701), (379, 2710), (418, 2779), (421, 2785), (424, 2794), (425, 2797), (433, 2815), (458, 2890), (474, 2941), (475, 2944), (478, 2953), (567, 3133), (600, 3241), (611, 3274), (612, 3277), (628, 3304), (647, 3373), (650, 3382), (683, 3451), (699, 3478),

Gene: GMonster_11 Start: 8300, Stop: 9742, Start Num: 112

Candidate Starts for GMonster_11:

(64, 8234), (Start: 112 @8300 has 204 MA's), (195, 8498), (288, 8711), (421, 8906), (425, 8918), (459, 9017), (547, 9212), (561, 9251), (584, 9329), (586, 9335), (601, 9383), (605, 9395), (608, 9404), (621, 9437), (639, 9494), (677, 9584), (687, 9617), (696, 9629),

Gene: GTE2_03 Start: 2503, Stop: 3933, Start Num: 133

Candidate Starts for GTE2_03:

(Start: 115 @2479 has 54 MA's), (133, 2503), (176, 2614), (180, 2617), (184, 2626), (222, 2707), (227, 2725), (244, 2791), (288, 2872), (425, 3061), (446, 3112), (454, 3142), (459, 3160), (461, 3166), (544, 3394), (550, 3412), (554, 3421), (560, 3436), (565, 3457), (605, 3586), (621, 3625), (648, 3709), (656, 3727), (662, 3739), (663, 3742), (685, 3799), (687, 3802), (759, 3910),

Gene: Gabriela_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Gabriela_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Gadost_12 Start: 8582, Stop: 10033, Start Num: 74

Candidate Starts for Gadost_12:

(Start: 74 @8582 has 530 MA's), (170, 8729), (174, 8741), (239, 8909), (246, 8939), (265, 8978), (276, 8996), (301, 9056), (414, 9185), (421, 9203), (425, 9215), (459, 9314), (461, 9320), (467, 9341), (468, 9347), (496, 9416), (528, 9476), (544, 9521), (584, 9647), (585, 9650), (601, 9701), (608, 9722), (617, 9752), (647, 9842), (662, 9878), (677, 9908), (685, 9938),

Gene: GageAP_14 Start: 9421, Stop: 10863, Start Num: 112

Candidate Starts for GageAP_14:

(64, 9355), (Start: 112 @9421 has 204 MA's), (195, 9619), (288, 9832), (421, 10027), (422, 10030), (425, 10039), (459, 10138), (547, 10333), (561, 10372), (584, 10450), (586, 10456), (601, 10504), (605, 10516), (608, 10525), (639, 10615), (677, 10705), (687, 10738), (696, 10750),

Gene: Gaia_3 Start: 3366, Stop: 4799, Start Num: 62

Candidate Starts for Gaia_3:

(Start: 62 @3366 has 13 MA's), (82, 3396), (89, 3405), (105, 3423), (175, 3561), (185, 3582), (191, 3609), (192, 3612), (219, 3672), (227, 3687), (228, 3690), (232, 3708), (233, 3711), (235, 3717), (248, 3768), (269, 3804), (276, 3807), (285, 3828), (312, 3885), (326, 3912), (338, 3927), (356, 3942), (420, 4008), (435, 4041), (449, 4080), (450, 4083), (452, 4089), (456, 4104), (458, 4113), (461, 4122), (475, 4167), (481, 4185), (493, 4212), (547, 4329), (550, 4338), (554, 4347), (562, 4374), (565, 4383), (583, 4443), (591, 4467), (598, 4494), (605, 4515), (621, 4563), (639, 4620), (645, 4641), (651, 4650), (679, 4713), (683, 4722), (725, 4785),

Gene: Gail_12 Start: 8302, Stop: 9762, Start Num: 74

Candidate Starts for Gail_12:

(Start: 74 @8302 has 530 MA's), (129, 8362), (174, 8467), (197, 8536), (252, 8677), (288, 8749), (344, 8842), (352, 8851), (422, 8929), (452, 9010), (459, 9037), (461, 9043), (466, 9061), (467, 9064), (474, 9085), (486, 9115), (499, 9136), (511, 9154), (539, 9217), (561, 9277), (601, 9409), (607, 9427), (617, 9457), (621, 9466), (640, 9526), (662, 9583), (677, 9613), (685, 9643), (706, 9667),

Gene: Gambol_3 Start: 2306, Stop: 3871, Start Num: 100

Candidate Starts for Gambol_3:

(Start: 100 @2306 has 21 MA's), (Start: 166 @2432 has 2 MA's), (246, 2657), (266, 2693), (273, 2702), (318, 2795), (351, 2819), (421, 2924), (561, 3257), (565, 3272), (566, 3275), (647, 3515), (745, 3689), (775, 3803), (778, 3836),

Gene: Gandalf20_13 Start: 9489, Stop: 10931, Start Num: 112

Candidate Starts for Gandalf20_13:

(64, 9423), (Start: 112 @9489 has 204 MA's), (195, 9687), (288, 9900), (421, 10095), (422, 10098), (459, 10206), (547, 10401), (561, 10440), (584, 10518), (586, 10524), (601, 10572), (605, 10584), (608, 10593), (639, 10683), (677, 10773), (687, 10806), (696, 10818),

Gene: Ganymede_9 Start: 3046, Stop: 4599, Start Num: 50

Candidate Starts for Ganymede_9:

(31, 2944), (Start: 49 @3031 has 25 MA's), (Start: 50 @3046 has 160 MA's), (128, 3145), (131, 3154), (160, 3226), (Start: 166 @3235 has 2 MA's), (174, 3259), (186, 3292), (188, 3301), (197, 3334), (231, 3403), (237, 3424), (248, 3466), (288, 3532), (294, 3547), (333, 3622), (351, 3643), (385, 3697), (441, 3817), (452, 3850), (457, 3871), (464, 3892), (473, 3922), (517, 3955), (525, 3973), (541, 4033), (546, 4051), (550, 4063), (552, 4066), (556, 4078), (557, 4081), (573, 4117), (585, 4165), (601, 4216), (607, 4234), (640, 4330), (650, 4351), (661, 4378), (664, 4387), (681, 4423),

Gene: Garak_17 Start: 9284, Stop: 10750, Start Num: 74

Candidate Starts for Garak_17:

(Start: 74 @9284 has 530 MA's), (97, 9305), (129, 9344), (167, 9431), (171, 9443), (174, 9449), (288, 9731), (315, 9785), (434, 9944), (452, 9995), (459, 10022), (461, 10028), (467, 10049), (561, 10262), (608, 10415), (612, 10430), (617, 10442), (621, 10451), (641, 10517), (649, 10538), (662, 10568), (677, 10598), (685, 10628),

Gene: Gardann_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Gardann_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: GardenSalsa_19 Start: 6838, Stop: 8439, Start Num: 55

Candidate Starts for GardenSalsa_19:

(Start: 55 @6838 has 21 MA's), (165, 7027), (175, 7060), (181, 7072), (188, 7096), (195, 7123), (197, 7129), (231, 7201), (233, 7207), (240, 7234), (241, 7237), (271, 7300), (273, 7303), (283, 7321), (364, 7438), (421, 7495), (447, 7555), (449, 7564), (463, 7612), (464, 7615), (533, 7738), (541, 7774), (558, 7825), (560, 7828), (571, 7858), (575, 7867), (593, 7933), (595, 7936), (601, 7960), (635, 8050), (650, 8098), (709, 8209), (751, 8281),

Gene: GardenState_3 Start: 2211, Stop: 3590, Start Num: 104

Candidate Starts for GardenState_3:

(Start: 104 @2211 has 48 MA's), (Start: 166 @2331 has 2 MA's), (287, 2619), (425, 2811), (457, 2892), (566, 3168), (579, 3210), (641, 3393), (647, 3402), (650, 3411),

Gene: Gattaca_35 Start: 12039, Stop: 13604, Start Num: 48

Candidate Starts for Gattaca_35:

(Start: 48 @12039 has 17 MA's), (119, 12156), (172, 12276), (190, 12321), (192, 12330), (233, 12420), (245, 12468), (246, 12471), (277, 12513), (281, 12516), (289, 12540), (334, 12612), (337, 12615), (367, 12654), (384, 12675), (386, 12678), (424, 12723), (456, 12813), (458, 12822), (461, 12831), (474, 12873), (475, 12876), (488, 12915), (510, 12957), (512, 12963), (514, 12966), (532, 13011), (554, 13080), (584, 13179), (588, 13191), (622, 13290), (641, 13356), (651, 13377), (656, 13392), (706, 13485), (717, 13500),

Gene: GaugeLDP_15 Start: 10544, Stop: 11995, Start Num: 74

Candidate Starts for GaugeLDP_15:

(Start: 74 @10544 has 530 MA's), (97, 10565), (129, 10604), (174, 10709), (288, 10991), (354, 11096), (425, 11183), (452, 11255), (459, 11282), (461, 11288), (467, 11309), (601, 11654), (608, 11675), (617, 11702), (621, 11711), (641, 11777), (662, 11828), (677, 11858), (685, 11888), (706, 11912),

Gene: Gemma_14 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Gemma_14:

(Start: 74 @8726 has 530 MA's), (Start: 114 @8756 has 8 MA's), (129, 8783), (174, 8888), (223, 9002), (242, 9068), (265, 9125), (301, 9203), (303, 9206), (421, 9347), (459, 9458), (461, 9464), (467, 9485), (544, 9650), (584, 9776), (601, 9830), (603, 9836), (608, 9851), (621, 9887), (649, 9974), (662, 10004), (677, 10034), (696, 10079), (706, 10088),

Gene: GenevaB15_19 Start: 6859, Stop: 8460, Start Num: 55

Candidate Starts for GenevaB15_19:

(Start: 55 @6859 has 21 MA's), (165, 7048), (181, 7093), (188, 7117), (195, 7144), (197, 7150), (231, 7222), (233, 7228), (240, 7255), (241, 7258), (271, 7321), (273, 7324), (283, 7342), (364, 7459), (421, 7516), (447, 7576), (449, 7585), (462, 7630), (463, 7633), (464, 7636), (533, 7759), (541, 7795), (558, 7846), (560, 7849), (564, 7867), (571, 7879), (575, 7888), (593, 7954), (595, 7957), (601, 7981), (635, 8071), (650, 8119), (709, 8230), (751, 8302),

Gene: Gengar_7 Start: 2791, Stop: 4326, Start Num: 50

Candidate Starts for Gengar_7:

(Start: 50 @2791 has 160 MA's), (109, 2863), (131, 2899), (135, 2908), (149, 2953), (186, 3037), (189, 3049), (197, 3079), (207, 3097), (231, 3148), (241, 3184), (248, 3211), (286, 3262), (287, 3265), (288, 3271), (294, 3286), (297, 3289), (333, 3361), (351, 3382), (370, 3412), (396, 3457), (421, 3511), (441, 3556), (452, 3589), (457, 3610), (462, 3625), (463, 3628), (464, 3631), (517, 3694), (525, 3712), (526, 3718), (546, 3790), (550, 3802), (552, 3805), (557, 3820), (575, 3865), (576, 3880), (583, 3901), (600, 3955), (601, 3958), (607, 3976), (612, 3991), (637, 4057), (640, 4072), (650, 4093), (664, 4129), (681, 4165), (735, 4252),

Gene: George_9 Start: 7939, Stop: 9372, Start Num: 75

Candidate Starts for George_9:

(Start: 75 @7939 has 72 MA's), (179, 8095), (185, 8107), (188, 8122), (190, 8128), (252, 8296), (265, 8323), (301, 8401), (363, 8482), (424, 8554), (425, 8557), (452, 8629), (461, 8662), (467, 8683), (473, 8701), (477, 8713), (501, 8758), (584, 8974), (601, 9028), (607, 9046), (621, 9085), (662, 9202), (677, 9232), (685, 9262), (706, 9286),

Gene: Georgie2_14 Start: 9171, Stop: 10634, Start Num: 74

Candidate Starts for Georgie2_14:

(Start: 74 @9171 has 530 MA's), (129, 9231), (174, 9336), (246, 9534), (288, 9618), (301, 9651), (388, 9762), (452, 9879), (459, 9906), (461, 9912), (467, 9933), (468, 9939), (486, 9984), (547, 10107), (601, 10278), (607, 10296), (608, 10299), (617, 10326), (621, 10335), (662, 10452), (677, 10482), (685, 10512),

Gene: Geraldini_9 Start: 3049, Stop: 4605, Start Num: 50

Candidate Starts for Geraldini_9:

(31, 2947), (Start: 49 @3034 has 25 MA's), (Start: 50 @3049 has 160 MA's), (128, 3148), (131, 3157), (160, 3229), (Start: 166 @3238 has 2 MA's), (174, 3262), (181, 3280), (186, 3295), (188, 3304), (197, 3337), (231, 3406), (237, 3427), (248, 3469), (288, 3535), (333, 3625), (351, 3646), (385, 3700), (441, 3820), (452, 3853), (457, 3874), (464, 3895), (473, 3925), (517, 3958), (525, 3976), (541, 4036), (546, 4054), (550, 4066), (552, 4069), (556, 4081), (557, 4084), (573, 4120), (585, 4168), (601, 4219), (607, 4237), (640, 4333), (650, 4354), (661, 4381), (664, 4390), (681, 4426),

Gene: Getalong_4 Start: 2191, Stop: 3627, Start Num: 73

Candidate Starts for Getalong_4:

(Start: 73 @2191 has 29 MA's), (146, 2293), (163, 2332), (165, 2335), (201, 2440), (227, 2482), (235, 2512), (241, 2536), (252, 2569), (450, 2878), (465, 2929), (466, 2935), (475, 2962), (481, 2980), (492, 3013), (518, 3064), (534, 3094), (551, 3148), (554, 3157), (561, 3178), (571, 3208), (607, 3331), (640, 3439), (665, 3502), (694, 3562), (720, 3589), (723, 3592),

Gene: Ghouboy_10 Start: 8016, Stop: 9449, Start Num: 75

Candidate Starts for Ghouboy_10:

(Start: 75 @8016 has 72 MA's), (170, 8151), (185, 8184), (188, 8199), (190, 8205), (197, 8232), (252, 8373), (265, 8400), (301, 8478), (363, 8559), (421, 8622), (422, 8625), (424, 8631), (425, 8634), (452, 8706), (461, 8739), (467, 8760), (477, 8790), (584, 9051), (601, 9105), (607, 9123), (621, 9162), (662, 9279), (677, 9309), (696, 9354), (706, 9363),

Gene: GiKK_8 Start: 3184, Stop: 4635, Start Num: 115

Candidate Starts for GiKK_8:

(Start: 115 @3184 has 54 MA's), (129, 3199), (172, 3301), (184, 3322), (191, 3352), (236, 3457), (242, 3478), (244, 3487), (248, 3502), (310, 3616), (342, 3652), (422, 3748), (449, 3820), (454, 3838), (461, 3862), (463, 3868), (520, 4012), (554, 4111), (617, 4309), (621, 4318), (629, 4327), (662, 4432), (685, 4492), (696, 4507), (759, 4618),

Gene: Gibbous_5 Start: 2920, Stop: 4368, Start Num: 115

Candidate Starts for Gibbous_5:

(52, 2833), (Start: 115 @2920 has 54 MA's), (145, 2974), (147, 2980), (172, 3043), (190, 3088), (227, 3157), (229, 3163), (288, 3304), (301, 3337), (334, 3382), (422, 3487), (424, 3493), (454, 3577), (461, 3601), (463, 3607), (485, 3670), (530, 3778), (554, 3850), (596, 3985), (604, 4012), (606, 4018), (607, 4021), (626, 4057), (640, 4114), (656, 4156), (695, 4240), (759, 4342),

Gene: Gideon_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Gideon_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Gilberta_13 Start: 9781, Stop: 11238, Start Num: 74

Candidate Starts for Gilberta_13:

(Start: 74 @9781 has 530 MA's), (120, 9826), (129, 9841), (174, 9946), (288, 10228), (301, 10261), (425, 10417), (452, 10489), (459, 10516), (461, 10522), (467, 10543), (486, 10594), (592, 10858), (601, 10888), (608, 10909), (612, 10924), (617, 10936), (621, 10945), (649, 11032), (662, 11062), (677, 11092), (685, 11122), (736, 11188),

Gene: GingkoMaracino_14 Start: 8540, Stop: 9994, Start Num: 74

Candidate Starts for GingkoMaracino_14:

(Start: 74 @8540 has 530 MA's), (Start: 114 @8570 has 8 MA's), (129, 8597), (174, 8702), (223, 8816), (242, 8882), (265, 8939), (301, 9017), (303, 9020), (421, 9161), (459, 9272), (461, 9278), (467, 9299), (544, 9464), (584, 9590), (601, 9644), (603, 9650), (608, 9665), (621, 9701), (649, 9788), (662, 9818), (677, 9848), (696, 9893), (706, 9902),

Gene: Giorgio_3 Start: 2308, Stop: 3876, Start Num: 101

Candidate Starts for Giorgio_3:

(Start: 101 @2308 has 12 MA's), (Start: 166 @2434 has 2 MA's), (246, 2659), (266, 2695), (273, 2704), (283, 2722), (318, 2797), (351, 2821), (421, 2926), (552, 3232), (555, 3241), (561, 3259), (565, 3274), (566, 3277), (647, 3517), (745, 3691),

Gene: Girafales_4 Start: 2197, Stop: 3618, Start Num: 108

Candidate Starts for Girafales_4:

(Start: 108 @2197 has 156 MA's), (124, 2224), (131, 2236), (184, 2365), (189, 2386), (197, 2416), (231, 2485), (237, 2506), (246, 2542), (248, 2548), (271, 2572), (273, 2575), (308, 2650), (312, 2656), (336, 2701), (366, 2743), (421, 2845), (424, 2854), (425, 2857), (430, 2866), (444, 2896), (447, 2905), (457, 2944), (463, 2962), (464, 2965), (473, 2995), (526, 3052), (538, 3091), (550, 3136), (557, 3154), (565, 3181), (571, 3193), (573, 3196), (575, 3202), (587, 3250), (629, 3358), (650, 3430), (655, 3445), (660, 3454), (661, 3457), (684, 3517), (693, 3529), (716, 3553), (728, 3577),

Gene: GirlDinner_7 Start: 3867, Stop: 5354, Start Num: 108

Candidate Starts for GirlDinner_7:

(Start: 108 @3867 has 156 MA's), (Start: 166 @3984 has 2 MA's), (197, 4083), (210, 4137), (231, 4176), (346, 4389), (449, 4557), (470, 4632), (474, 4641), (477, 4650), (483, 4668), (485, 4674), (535, 4815), (547, 4866), (549, 4872), (631, 5109), (664, 5208), (680, 5241), (693, 5262), (747, 5340),

Gene: Giroux_12 Start: 8193, Stop: 9659, Start Num: 75

Candidate Starts for Giroux_12:

(Start: 75 @8193 has 72 MA's), (174, 8364), (204, 8448), (233, 8511), (242, 8544), (246, 8562), (265, 8601), (281, 8628), (300, 8676), (418, 8817), (422, 8826), (452, 8907), (458, 8931), (459, 8934), (461, 8940), (466, 8958), (467, 8961), (468, 8967), (544, 9138), (584, 9264), (585, 9267), (601, 9318), (603, 9324), (608, 9339), (617, 9369), (662, 9495), (677, 9525), (687, 9555),

Gene: Gladiator_16 Start: 9258, Stop: 10724, Start Num: 74

Candidate Starts for Gladiator_16:

(Start: 74 @9258 has 530 MA's), (97, 9279), (129, 9318), (167, 9405), (171, 9417), (174, 9423), (288, 9705), (315, 9759), (434, 9918), (452, 9969), (459, 9996), (461, 10002), (467, 10023), (561, 10236), (608, 10389), (612, 10404), (617, 10416), (621, 10425), (641, 10491), (649, 10512), (662, 10542),

(677, 10572), (685, 10602),

Gene: Glaske16_16 Start: 6259, Stop: 7881, Start Num: 55

Candidate Starts for Glaske16_16:

(Start: 55 @6259 has 21 MA's), (Start: 62 @6274 has 13 MA's), (135, 6382), (142, 6400), (165, 6448), (175, 6481), (181, 6493), (188, 6517), (195, 6544), (197, 6550), (231, 6622), (233, 6628), (241, 6658), (267, 6739), (271, 6745), (273, 6748), (283, 6766), (411, 6922), (421, 6940), (425, 6952), (447, 7000), (463, 7057), (464, 7060), (495, 7129), (533, 7183), (541, 7219), (558, 7270), (560, 7273), (571, 7303), (575, 7312), (593, 7378), (595, 7381), (600, 7402), (601, 7405), (623, 7456), (650, 7543), (709, 7654), (727, 7684), (747, 7720), (751, 7726), (757, 7741), (762, 7753), (777, 7837),

Gene: Globfish_4 Start: 2275, Stop: 3612, Start Num: 111

Candidate Starts for Globfish_4:

(44, 2152), (46, 2155), (Start: 55 @2197 has 21 MA's), (60, 2209), (Start: 96 @2263 has 3 MA's), (Start: 111 @2275 has 22 MA's), (138, 2323), (165, 2386), (170, 2398), (277, 2656), (301, 2713), (344, 2776), (377, 2821), (415, 2848), (418, 2857), (430, 2884), (457, 2965), (461, 2977), (462, 2980), (468, 3004), (485, 3046), (547, 3172), (565, 3226), (584, 3289), (587, 3298), (600, 3340), (604, 3352), (619, 3391), (640, 3457), (677, 3538), (681, 3547), (716, 3598),

Gene: GlobiWarming_3 Start: 2383, Stop: 3741, Start Num: 100

Candidate Starts for GlobiWarming_3:

(Start: 100 @2383 has 21 MA's), (182, 2551), (187, 2569), (196, 2605), (260, 2779), (293, 2860), (308, 2890), (363, 2965), (425, 3034), (458, 3124), (463, 3139), (552, 3331), (571, 3385), (609, 3505), (640, 3589), (641, 3595), (689, 3709), (714, 3733),

Gene: Goby_7 Start: 4056, Stop: 5492, Start Num: 108

Candidate Starts for Goby_7:

(Start: 99 @4050 has 4 MA's), (Start: 108 @4056 has 156 MA's), (123, 4080), (136, 4104), (Start: 166 @4173 has 2 MA's), (184, 4221), (197, 4272), (271, 4455), (312, 4539), (346, 4581), (446, 4737), (449, 4749), (477, 4842), (520, 4920), (535, 4965), (549, 5022), (623, 5235), (631, 5259), (747, 5478),

Gene: Godpower_8 Start: 4059, Stop: 5495, Start Num: 108

Candidate Starts for Godpower_8:

(Start: 99 @4053 has 4 MA's), (Start: 108 @4059 has 156 MA's), (123, 4083), (136, 4107), (Start: 166 @4176 has 2 MA's), (184, 4224), (197, 4275), (271, 4458), (312, 4542), (346, 4584), (446, 4740), (449, 4752), (477, 4845), (520, 4923), (535, 4968), (549, 5025), (558, 5049), (623, 5238), (631, 5262), (747, 5481),

Gene: GoldHunter_6 Start: 2789, Stop: 4246, Start Num: 115

Candidate Starts for GoldHunter_6:

(Start: 115 @2789 has 54 MA's), (133, 2813), (176, 2924), (180, 2927), (184, 2936), (222, 3017), (244, 3101), (247, 3113), (288, 3182), (391, 3329), (425, 3371), (449, 3434), (454, 3452), (456, 3458), (459, 3470), (461, 3476), (499, 3587), (544, 3704), (554, 3731), (565, 3767), (605, 3896), (607, 3902), (621, 3935), (639, 3992), (640, 3995), (648, 4019), (662, 4049), (685, 4109), (687, 4112), (759, 4223),

Gene: GoldenAsh_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for GoldenAsh_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (641, 3154), (662, 3205),

Gene: Gollum_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Gollum_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Gomashi_3 Start: 1889, Stop: 3403, Start Num: 59

Candidate Starts for Gomashi_3:

(9, 1322), (16, 1490), (18, 1505), (24, 1634), (Start: 59 @1889 has 72 MA's), (117, 1952), (118, 1955), (123, 1964), (184, 2096), (238, 2243), (239, 2246), (286, 2336), (301, 2375), (308, 2387), (356, 2450), (360, 2456), (414, 2498), (427, 2531), (450, 2594), (461, 2633), (474, 2675), (489, 2720), (499, 2744), (506, 2753), (534, 2810), (546, 2852), (553, 2870), (554, 2873), (601, 3029), (634, 3119), (641, 3155), (662, 3206), (673, 3230),

Gene: Gompeii16_12 Start: 8892, Stop: 10334, Start Num: 112

Candidate Starts for Gompeii16_12:

(64, 8826), (Start: 112 @8892 has 204 MA's), (195, 9090), (288, 9303), (421, 9498), (425, 9510), (459, 9609), (547, 9804), (561, 9843), (584, 9921), (586, 9927), (600, 9972), (601, 9975), (605, 9987), (608, 9996), (639, 10086), (677, 10176), (687, 10209), (696, 10221),

Gene: GoongGoong_35 Start: 12079, Stop: 13644, Start Num: 48

Candidate Starts for GoongGoong_35:

(Start: 48 @12079 has 17 MA's), (119, 12196), (172, 12316), (190, 12361), (192, 12370), (233, 12460), (245, 12508), (246, 12511), (277, 12553), (281, 12556), (289, 12580), (334, 12652), (337, 12655), (367, 12694), (384, 12715), (386, 12718), (424, 12763), (456, 12853), (458, 12862), (461, 12871), (474, 12913), (475, 12916), (488, 12955), (510, 12997), (512, 13003), (514, 13006), (532, 13051), (554, 13120), (584, 13219), (588, 13231), (622, 13330), (641, 13396), (651, 13417), (656, 13432), (706, 13525), (717, 13540),

Gene: Goose_12 Start: 8377, Stop: 9819, Start Num: 74

Candidate Starts for Goose_12:

(Start: 74 @8377 has 530 MA's), (174, 8536), (197, 8605), (233, 8683), (242, 8716), (246, 8734), (264, 8773), (266, 8776), (363, 8935), (418, 8992), (425, 9010), (459, 9109), (461, 9115), (467, 9136), (468, 9142), (544, 9316), (584, 9442), (585, 9445), (601, 9496), (603, 9502), (608, 9517), (617, 9547), (621, 9556), (647, 9637), (662, 9673), (677, 9703), (702, 9754),

Gene: Gorpy_4 Start: 2275, Stop: 3606, Start Num: 111

Candidate Starts for Gorpy_4:

(Start: 96 @2263 has 3 MA's), (Start: 111 @2275 has 22 MA's), (117, 2284), (165, 2386), (170, 2398), (227, 2539), (239, 2584), (243, 2599), (248, 2620), (281, 2656), (288, 2674), (328, 2755), (365, 2800), (430, 2878), (457, 2959), (461, 2971), (462, 2974), (468, 2998), (485, 3040), (542, 3151), (547, 3166), (559, 3196), (587, 3292), (677, 3532), (678, 3535), (681, 3541), (716, 3592),

Gene: Graduation_14 Start: 9454, Stop: 10896, Start Num: 112

Candidate Starts for Graduation_14:

(64, 9388), (Start: 112 @9454 has 204 MA's), (195, 9652), (288, 9865), (421, 10060), (425, 10072), (459, 10171), (484, 10243), (547, 10366), (561, 10405), (584, 10483), (586, 10489), (601, 10537), (605, 10549), (608, 10558), (639, 10648), (677, 10738), (687, 10771), (696, 10783),

Gene: Gratitude_14 Start: 9710, Stop: 11170, Start Num: 74

Candidate Starts for Gratitude_14:

(Start: 74 @9710 has 530 MA's), (129, 9770), (170, 9863), (174, 9875), (288, 10157), (301, 10190), (422, 10337), (425, 10346), (452, 10418), (459, 10445), (461, 10451), (467, 10472), (565, 10700),

(601, 10817), (608, 10838), (617, 10865), (621, 10874), (662, 10991), (677, 11021), (685, 11051), (706, 11075),

Gene: GrecoEtereo_13 Start: 8992, Stop: 10434, Start Num: 112

Candidate Starts for GrecoEtereo_13:

(64, 8926), (Start: 112 @8992 has 204 MA's), (195, 9190), (288, 9403), (421, 9598), (425, 9610), (459, 9709), (547, 9904), (561, 9943), (584, 10021), (586, 10027), (601, 10075), (605, 10087), (608, 10096), (639, 10186), (677, 10276), (687, 10309), (696, 10321),

Gene: GreedyLawyer_16 Start: 9284, Stop: 10747, Start Num: 74

Candidate Starts for GreedyLawyer_16:

(Start: 74 @9284 has 530 MA's), (97, 9305), (129, 9344), (167, 9431), (171, 9443), (174, 9449), (288, 9731), (434, 9944), (452, 9995), (459, 10022), (461, 10028), (467, 10049), (608, 10415), (617, 10442), (621, 10451), (640, 10511), (662, 10568), (677, 10598), (685, 10628), (709, 10655),

Gene: GreenWeasel_9 Start: 4105, Stop: 5589, Start Num: 108

Candidate Starts for GreenWeasel_9:

(Start: 108 @4105 has 156 MA's), (Start: 166 @4222 has 2 MA's), (184, 4270), (249, 4477), (266, 4501), (305, 4576), (312, 4588), (314, 4591), (325, 4612), (346, 4630), (364, 4657), (398, 4690), (413, 4711), (416, 4720), (449, 4795), (458, 4828), (461, 4837), (463, 4843), (470, 4870), (477, 4888), (481, 4900), (483, 4906), (527, 5032), (535, 5053), (547, 5104), (549, 5110), (600, 5269), (628, 5332), (631, 5347), (661, 5437), (680, 5479), (736, 5551),

Gene: Greg_14 Start: 9005, Stop: 10447, Start Num: 112

Candidate Starts for Greg_14:

(64, 8939), (Start: 112 @9005 has 204 MA's), (195, 9203), (288, 9416), (421, 9611), (459, 9722), (547, 9917), (561, 9956), (584, 10034), (586, 10040), (601, 10088), (605, 10100), (608, 10109), (639, 10199), (677, 10289), (687, 10322), (696, 10334),

Gene: Gretchen_3 Start: 2531, Stop: 3961, Start Num: 166

Candidate Starts for Gretchen_3:

(Start: 166 @2531 has 2 MA's), (197, 2630), (287, 2816), (457, 3089), (481, 3164), (524, 3224), (552, 3320), (565, 3362), (566, 3365), (579, 3407), (638, 3572), (641, 3590), (647, 3599),

Gene: Grif_14 Start: 8737, Stop: 10191, Start Num: 74

Candidate Starts for Grif_14:

(Start: 74 @8737 has 530 MA's), (Start: 114 @8767 has 8 MA's), (129, 8794), (174, 8899), (223, 9013), (242, 9079), (265, 9136), (301, 9214), (303, 9217), (421, 9358), (459, 9469), (461, 9475), (467, 9496), (544, 9661), (584, 9787), (601, 9841), (603, 9847), (608, 9862), (621, 9898), (649, 9985), (662, 10015), (677, 10045), (696, 10090), (706, 10099),

Gene: Grizzly_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Grizzly_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (32, 1750), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (562, 2899), (601, 3028), (641, 3154), (662, 3205), (673, 3229),

Gene: Groundhog_9 Start: 7424, Stop: 8854, Start Num: 75

Candidate Starts for Groundhog_9:

(Start: 75 @7424 has 72 MA's), (173, 7574), (233, 7721), (288, 7856), (363, 7967), (421, 8030), (440, 8075), (459, 8141), (467, 8168), (484, 8213), (544, 8333), (576, 8435), (601, 8513), (603, 8519), (621,

8570), (662, 8687), (677, 8717), (706, 8771),

Gene: Groupthink_15 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Groupthink_15:

(Start: 74 @8726 has 530 MA's), (Start: 114 @8756 has 8 MA's), (129, 8783), (174, 8888), (223, 9002), (242, 9068), (265, 9125), (301, 9203), (303, 9206), (421, 9347), (459, 9458), (461, 9464), (467, 9485), (544, 9650), (584, 9776), (601, 9830), (603, 9836), (608, 9851), (621, 9887), (649, 9974), (662, 10004), (677, 10034), (696, 10079), (706, 10088),

Gene: Grub_14 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for Grub_14:

(Start: 74 @8646 has 530 MA's), (Start: 114 @8676 has 8 MA's), (129, 8703), (174, 8808), (223, 8922), (242, 8988), (265, 9045), (301, 9123), (303, 9126), (421, 9267), (459, 9378), (461, 9384), (467, 9405), (544, 9570), (584, 9696), (601, 9750), (603, 9756), (608, 9771), (621, 9807), (649, 9894), (662, 9924), (677, 9954), (696, 9999), (706, 10008),

Gene: Grum1_14 Start: 8647, Stop: 10101, Start Num: 74

Candidate Starts for Grum1_14:

(Start: 74 @8647 has 530 MA's), (Start: 114 @8677 has 8 MA's), (129, 8704), (174, 8809), (223, 8923), (242, 8989), (265, 9046), (301, 9124), (303, 9127), (421, 9268), (459, 9379), (461, 9385), (467, 9406), (544, 9571), (584, 9697), (601, 9751), (603, 9757), (608, 9772), (621, 9808), (649, 9895), (662, 9925), (677, 9955), (696, 10000), (706, 10009),

Gene: Gruunaga_16 Start: 9258, Stop: 10724, Start Num: 74

Candidate Starts for Gruunaga_16:

(Start: 74 @9258 has 530 MA's), (97, 9279), (129, 9318), (167, 9405), (171, 9417), (174, 9423), (288, 9705), (315, 9759), (434, 9918), (452, 9969), (459, 9996), (461, 10002), (467, 10023), (561, 10236), (608, 10389), (612, 10404), (617, 10416), (621, 10425), (641, 10491), (649, 10512), (662, 10542), (677, 10572), (685, 10602),

Gene: GtownJaz_14 Start: 8655, Stop: 10109, Start Num: 74

Candidate Starts for GtownJaz_14:

(Start: 74 @8655 has 530 MA's), (Start: 114 @8685 has 8 MA's), (129, 8712), (174, 8817), (223, 8931), (242, 8997), (265, 9054), (301, 9132), (303, 9135), (421, 9276), (459, 9387), (461, 9393), (467, 9414), (544, 9579), (584, 9705), (601, 9759), (603, 9765), (608, 9780), (621, 9816), (649, 9903), (662, 9933), (677, 9963), (696, 10008), (706, 10017),

Gene: Guanica15_9 Start: 3023, Stop: 4576, Start Num: 50

Candidate Starts for Guanica15_9:

(Start: 49 @3008 has 25 MA's), (Start: 50 @3023 has 160 MA's), (128, 3116), (131, 3125), (143, 3155), (174, 3230), (186, 3263), (188, 3272), (231, 3374), (237, 3395), (241, 3410), (246, 3431), (248, 3437), (294, 3515), (315, 3554), (351, 3611), (441, 3785), (457, 3839), (464, 3860), (473, 3890), (517, 3923), (546, 4019), (550, 4031), (552, 4034), (556, 4046), (557, 4049), (561, 4061), (569, 4082), (573, 4085), (607, 4202), (639, 4295), (650, 4319), (660, 4343), (661, 4346), (664, 4355), (704, 4430), (735, 4478),

Gene: Guey18_40 Start: 12453, Stop: 13859, Start Num: 114

Candidate Starts for Guey18_40:

(Start: 114 @12453 has 8 MA's), (137, 12492), (155, 12540), (181, 12600), (231, 12726), (248, 12789), (250, 12795), (286, 12840), (361, 12975), (406, 13044), (444, 13125), (450, 13146), (457, 13173), (517, 13257), (550, 13365), (590, 13488), (599, 13518), (600, 13521), (628, 13575), (638, 13617), (640, 13629), (641, 13635), (664, 13686), (706, 13758), (713, 13767), (722, 13782),

Gene: Guillsminger_7 Start: 2766, Stop: 4301, Start Num: 50

Candidate Starts for Guillsminger_7:

(Start: 50 @2766 has 160 MA's), (109, 2838), (131, 2874), (135, 2883), (149, 2928), (186, 3012), (189, 3024), (197, 3054), (207, 3072), (231, 3123), (241, 3159), (248, 3186), (286, 3237), (287, 3240), (288, 3246), (294, 3261), (297, 3264), (333, 3336), (351, 3357), (370, 3387), (396, 3432), (421, 3486), (441, 3531), (452, 3564), (457, 3585), (462, 3600), (463, 3603), (464, 3606), (517, 3669), (525, 3687), (526, 3693), (546, 3765), (550, 3777), (552, 3780), (557, 3795), (575, 3840), (576, 3855), (583, 3876), (600, 3930), (601, 3933), (607, 3951), (612, 3966), (637, 4032), (640, 4047), (650, 4068), (664, 4104), (681, 4140), (735, 4227),

Gene: Gumpizza_3 Start: 2307, Stop: 3875, Start Num: 101

Candidate Starts for Gumpizza_3:

(Start: 101 @2307 has 12 MA's), (Start: 166 @2433 has 2 MA's), (246, 2658), (266, 2694), (273, 2703), (283, 2721), (318, 2796), (351, 2820), (421, 2925), (555, 3240), (561, 3258), (565, 3273), (566, 3276), (647, 3516), (745, 3690), (775, 3804),

Gene: GuuelaD_5 Start: 2644, Stop: 4299, Start Num: 84

Candidate Starts for GuuelaD_5:

(Start: 84 @2644 has 64 MA's), (131, 2707), (137, 2722), (144, 2740), (165, 2785), (187, 2845), (195, 2878), (231, 2956), (248, 3019), (278, 3070), (287, 3088), (327, 3163), (372, 3202), (418, 3259), (421, 3265), (425, 3277), (430, 3286), (432, 3292), (433, 3295), (444, 3316), (450, 3337), (452, 3343), (463, 3382), (516, 3478), (528, 3505), (561, 3613), (562, 3619), (592, 3712), (600, 3739), (607, 3760), (628, 3802), (633, 3823), (638, 3844), (647, 3871), (650, 3880), (677, 3940), (690, 3970), (698, 3979), (762, 4087), (767, 4120), (774, 4159), (782, 4264),

Gene: Gwendoluna_14 Start: 9873, Stop: 11315, Start Num: 112

Candidate Starts for Gwendoluna_14:

(64, 9807), (Start: 112 @9873 has 204 MA's), (195, 10071), (288, 10284), (421, 10479), (425, 10491), (459, 10590), (547, 10785), (561, 10824), (584, 10902), (586, 10908), (601, 10956), (605, 10968), (608, 10977), (639, 11067), (677, 11157), (687, 11190), (696, 11202),

Gene: Gyzlar_14 Start: 9635, Stop: 11077, Start Num: 112

Candidate Starts for Gyzlar_14:

(64, 9569), (Start: 112 @9635 has 204 MA's), (195, 9833), (288, 10046), (421, 10241), (459, 10352), (547, 10547), (561, 10586), (584, 10664), (586, 10670), (601, 10718), (605, 10730), (608, 10739), (639, 10829), (677, 10919), (687, 10952), (696, 10964),

Gene: HINdeR_12 Start: 9860, Stop: 11317, Start Num: 74

Candidate Starts for HINdeR_12:

(Start: 74 @9860 has 530 MA's), (129, 9920), (170, 10013), (174, 10025), (181, 10037), (223, 10139), (246, 10223), (259, 10250), (276, 10280), (421, 10484), (425, 10496), (435, 10520), (452, 10568), (459, 10595), (461, 10601), (467, 10622), (468, 10628), (474, 10643), (477, 10652), (518, 10736), (544, 10799), (565, 10862), (584, 10925), (585, 10928), (601, 10979), (603, 10985), (608, 11000), (621, 11036), (647, 11117), (662, 11153), (677, 11183),

Gene: Hafay_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Hafay_5:

(Start: 84 @2638 has 64 MA's), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Haizum_7 Start: 3857, Stop: 5332, Start Num: 108

Candidate Starts for Haizum_7:

(Start: 108 @3857 has 156 MA's), (Start: 166 @3974 has 2 MA's), (197, 4073), (231, 4166), (288, 4289), (398, 4439), (449, 4544), (470, 4619), (477, 4637), (481, 4649), (483, 4655), (535, 4802), (547, 4853), (549, 4859), (565, 4907), (607, 5039), (631, 5096), (661, 5186), (747, 5318),

Gene: Halena_5 Start: 2625, Stop: 4298, Start Num: 84

Candidate Starts for Halena_5:

(Start: 84 @2625 has 64 MA's), (131, 2688), (165, 2766), (189, 2835), (195, 2859), (231, 2937), (241, 2973), (286, 3066), (287, 3069), (327, 3144), (372, 3183), (421, 3246), (432, 3273), (433, 3276), (444, 3297), (450, 3318), (462, 3360), (463, 3363), (520, 3465), (526, 3480), (528, 3486), (552, 3567), (561, 3594), (562, 3600), (592, 3693), (600, 3720), (603, 3729), (628, 3783), (633, 3804), (638, 3825), (647, 3852), (650, 3861), (677, 3921), (690, 3951), (698, 3960), (762, 4068), (782, 4263),

Gene: Halo_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Halo_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (641, 3154), (662, 3205),

Gene: Halsey_3 Start: 2307, Stop: 3875, Start Num: 101

Candidate Starts for Halsey_3:

(Start: 101 @2307 has 12 MA's), (Start: 166 @2433 has 2 MA's), (246, 2658), (266, 2694), (273, 2703), (283, 2721), (351, 2820), (421, 2925), (552, 3231), (555, 3240), (561, 3258), (565, 3273), (566, 3276), (647, 3516), (745, 3690),

Gene: HamSlice_11 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for HamSlice_11:

(Start: 74 @8579 has 530 MA's), (170, 8726), (174, 8738), (239, 8906), (246, 8936), (265, 8975), (276, 8993), (301, 9053), (414, 9182), (421, 9200), (425, 9212), (459, 9311), (461, 9317), (467, 9338), (468, 9344), (496, 9413), (528, 9473), (544, 9518), (584, 9644), (585, 9647), (601, 9698), (603, 9704), (608, 9719), (617, 9749), (647, 9839), (662, 9875), (667, 9887), (677, 9905), (685, 9935),

Gene: Hami1_14 Start: 9076, Stop: 10518, Start Num: 112

Candidate Starts for Hami1_14:

(64, 9010), (Start: 112 @9076 has 204 MA's), (195, 9274), (288, 9487), (421, 9682), (425, 9694), (459, 9793), (484, 9865), (547, 9988), (561, 10027), (584, 10105), (586, 10111), (601, 10159), (605, 10171), (608, 10180), (639, 10270), (677, 10360), (687, 10393), (696, 10405),

Gene: Hammer_16 Start: 9258, Stop: 10724, Start Num: 74

Candidate Starts for Hammer_16:

(Start: 74 @9258 has 530 MA's), (97, 9279), (129, 9318), (167, 9405), (171, 9417), (174, 9423), (288, 9705), (315, 9759), (434, 9918), (452, 9969), (459, 9996), (461, 10002), (467, 10023), (561, 10236), (608, 10389), (612, 10404), (617, 10416), (621, 10425), (641, 10491), (649, 10512), (662, 10542), (677, 10572), (685, 10602),

Gene: Hammy_8 Start: 2820, Stop: 4373, Start Num: 50

Candidate Starts for Hammy_8:

(8, 2265), (14, 2406), (31, 2715), (Start: 49 @2805 has 25 MA's), (Start: 50 @2820 has 160 MA's), (128, 2919), (131, 2928), (134, 2934), (Start: 166 @3009 has 2 MA's), (174, 3033), (186, 3066), (207, 3126), (231, 3177), (237, 3198), (241, 3213), (288, 3303), (294, 3318), (333, 3393), (351, 3414), (366, 3438), (404, 3507), (425, 3555), (441, 3588), (444, 3594), (452, 3621), (457, 3642), (464, 3663), (517,

3726), (525, 3744), (546, 3822), (550, 3834), (552, 3837), (557, 3852), (565, 3879), (585, 3936), (600, 3984), (601, 3987), (607, 4005), (614, 4026), (628, 4047), (637, 4086), (640, 4101), (660, 4146), (661, 4149), (664, 4158), (681, 4194), (684, 4209),

Gene: HanShotFirst_12 Start: 8296, Stop: 9738, Start Num: 112

Candidate Starts for HanShotFirst_12:

(64, 8230), (Start: 112 @8296 has 204 MA's), (195, 8494), (288, 8707), (421, 8902), (425, 8914), (459, 9013), (484, 9085), (547, 9208), (561, 9247), (584, 9325), (586, 9331), (601, 9379), (605, 9391), (608, 9400), (621, 9433), (639, 9490), (677, 9580), (687, 9613), (696, 9625),

Gene: Hank144_8 Start: 4150, Stop: 5634, Start Num: 108

Candidate Starts for Hank144_8:

(Start: 108 @4150 has 156 MA's), (Start: 166 @4267 has 2 MA's), (184, 4315), (187, 4327), (197, 4366), (231, 4459), (314, 4633), (346, 4672), (398, 4732), (444, 4819), (446, 4825), (449, 4837), (470, 4912), (477, 4930), (481, 4942), (483, 4948), (485, 4954), (535, 5095), (547, 5146), (549, 5152), (631, 5389), (664, 5488), (680, 5521), (747, 5620),

Gene: Hanray_13 Start: 9929, Stop: 11416, Start Num: 74

Candidate Starts for Hanray_13:

(Start: 74 @9929 has 530 MA's), (129, 9992), (174, 10097), (197, 10166), (252, 10307), (271, 10346), (288, 10379), (301, 10412), (421, 10556), (452, 10640), (459, 10667), (461, 10673), (467, 10694), (477, 10724), (486, 10745), (501, 10769), (511, 10784), (601, 11039), (607, 11057), (617, 11087), (619, 11090), (621, 11096), (659, 11207), (662, 11213), (677, 11243), (696, 11288), (706, 11297),

Gene: Happiness_12 Start: 8583, Stop: 10034, Start Num: 74

Candidate Starts for Happiness_12:

(Start: 74 @8583 has 530 MA's), (170, 8730), (174, 8742), (239, 8910), (246, 8940), (265, 8979), (276, 8997), (301, 9057), (414, 9186), (421, 9204), (425, 9216), (459, 9315), (461, 9321), (467, 9342), (468, 9348), (496, 9417), (528, 9477), (584, 9648), (585, 9651), (601, 9702), (603, 9708), (608, 9723), (617, 9753), (647, 9843), (662, 9879), (667, 9891), (677, 9909), (685, 9939),

Gene: Harlequin_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Harlequin_9:

(43, 4754), (Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (263, 5222), (271, 5237), (281, 5252), (363, 5381), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: HarryHoudini_15 Start: 9724, Stop: 11184, Start Num: 74

Candidate Starts for HarryHoudini_15:

(Start: 74 @9724 has 530 MA's), (129, 9784), (170, 9877), (174, 9889), (288, 10171), (301, 10204), (422, 10351), (425, 10360), (452, 10432), (459, 10459), (461, 10465), (467, 10486), (565, 10714), (601, 10831), (608, 10852), (617, 10879), (621, 10888), (662, 11005), (677, 11035), (685, 11065), (706, 11089),

Gene: HarryOW_13 Start: 8992, Stop: 10434, Start Num: 112

Candidate Starts for HarryOW_13:

(64, 8926), (Start: 112 @8992 has 204 MA's), (195, 9190), (288, 9403), (421, 9598), (425, 9610), (459, 9709), (547, 9904), (561, 9943), (584, 10021), (586, 10027), (601, 10075), (605, 10087), (608, 10096), (639, 10186), (677, 10276), (687, 10309), (696, 10321),

Gene: HashRod_15 Start: 8738, Stop: 10192, Start Num: 74

Candidate Starts for HashRod_15:

(Start: 74 @8738 has 530 MA's), (Start: 114 @8768 has 8 MA's), (129, 8795), (174, 8900), (223, 9014), (242, 9080), (265, 9137), (301, 9215), (303, 9218), (421, 9359), (459, 9470), (461, 9476), (467, 9497), (544, 9662), (584, 9788), (601, 9842), (603, 9848), (608, 9863), (621, 9899), (649, 9986), (662, 10016), (677, 10046), (696, 10091), (706, 10100),

Gene: HaveUMetTed_15 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for HaveUMetTed_15:

(Start: 74 @8726 has 530 MA's), (Start: 114 @8756 has 8 MA's), (129, 8783), (174, 8888), (223, 9002), (242, 9068), (265, 9125), (301, 9203), (303, 9206), (421, 9347), (459, 9458), (461, 9464), (467, 9485), (544, 9650), (584, 9776), (601, 9830), (603, 9836), (608, 9851), (621, 9887), (649, 9974), (662, 10004), (677, 10034), (696, 10079), (706, 10088),

Gene: Heathen_12 Start: 7994, Stop: 9460, Start Num: 75

Candidate Starts for Heathen_12:

(Start: 75 @7994 has 72 MA's), (174, 8165), (204, 8249), (233, 8312), (242, 8345), (246, 8363), (265, 8402), (281, 8429), (300, 8477), (418, 8618), (422, 8627), (452, 8708), (458, 8732), (459, 8735), (461, 8741), (467, 8762), (544, 8939), (584, 9065), (585, 9068), (601, 9119), (603, 9125), (608, 9140), (617, 9170), (662, 9296), (677, 9326), (687, 9356),

Gene: HedwigODU_9 Start: 3020, Stop: 4579, Start Num: 50

Candidate Starts for HedwigODU_9:

(31, 2918), (Start: 49 @3005 has 25 MA's), (Start: 50 @3020 has 160 MA's), (128, 3122), (131, 3131), (160, 3203), (Start: 166 @3212 has 2 MA's), (174, 3236), (186, 3269), (188, 3278), (197, 3311), (207, 3329), (231, 3380), (237, 3401), (248, 3443), (288, 3509), (294, 3524), (333, 3599), (351, 3620), (385, 3674), (441, 3794), (452, 3827), (457, 3848), (464, 3869), (473, 3899), (517, 3932), (525, 3950), (546, 4028), (550, 4040), (552, 4043), (556, 4055), (557, 4058), (573, 4094), (585, 4142), (601, 4193), (607, 4211), (640, 4307), (650, 4328), (661, 4355), (664, 4364), (681, 4400),

Gene: Heffalump_15 Start: 11037, Stop: 12500, Start Num: 74

Candidate Starts for Heffalump_15:

(Start: 74 @11037 has 530 MA's), (129, 11097), (174, 11202), (288, 11484), (301, 11517), (388, 11628), (459, 11772), (461, 11778), (467, 11799), (468, 11805), (486, 11850), (555, 11994), (584, 12090), (601, 12144), (607, 12162), (608, 12165), (617, 12192), (621, 12201), (662, 12318), (669, 12333), (677, 12348), (685, 12378),

Gene: Heftyboy_7 Start: 2788, Stop: 4323, Start Num: 50

Candidate Starts for Heftyboy_7:

(Start: 50 @2788 has 160 MA's), (109, 2860), (131, 2896), (135, 2905), (149, 2950), (186, 3034), (189, 3046), (197, 3076), (207, 3094), (231, 3145), (241, 3181), (248, 3208), (286, 3259), (287, 3262), (288, 3268), (294, 3283), (297, 3286), (333, 3358), (351, 3379), (370, 3409), (396, 3454), (421, 3508), (441, 3553), (452, 3586), (457, 3607), (462, 3622), (463, 3625), (464, 3628), (517, 3691), (525, 3709), (526, 3715), (546, 3787), (550, 3799), (552, 3802), (557, 3817), (575, 3862), (576, 3877), (583, 3898), (600, 3952), (601, 3955), (607, 3973), (612, 3988), (637, 4054), (640, 4069), (650, 4090), (664, 4126), (681, 4162), (735, 4249),

Gene: Hegedechwinu_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Hegedechwinu_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (366, 2745), (421, 2847), (425, 2859), (430, 2868), (444, 2898), (447, 2907), (457, 2946), (463, 2964), (464, 2967), (473, 2997), (526, 3054), (538, 3093), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: HelDan_12 Start: 8246, Stop: 9712, Start Num: 75

Candidate Starts for HelDan_12:

(Start: 75 @8246 has 72 MA's), (174, 8417), (204, 8501), (233, 8564), (242, 8597), (246, 8615), (265, 8654), (281, 8681), (300, 8729), (418, 8870), (422, 8879), (452, 8960), (458, 8984), (459, 8987), (461, 8993), (467, 9014), (468, 9020), (544, 9191), (584, 9317), (585, 9320), (601, 9371), (603, 9377), (608, 9392), (617, 9422), (662, 9548), (677, 9578), (687, 9608),

Gene: Heliosoles_14 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Heliosoles_14:

(Start: 74 @8726 has 530 MA's), (Start: 114 @8756 has 8 MA's), (129, 8783), (174, 8888), (223, 9002), (242, 9068), (265, 9125), (301, 9203), (303, 9206), (421, 9347), (459, 9458), (461, 9464), (467, 9485), (544, 9650), (584, 9776), (601, 9830), (603, 9836), (608, 9851), (621, 9887), (649, 9974), (662, 10004), (677, 10034), (696, 10079), (706, 10088),

Gene: Helmet_17 Start: 9284, Stop: 10750, Start Num: 74

Candidate Starts for Helmet_17:

(Start: 74 @9284 has 530 MA's), (97, 9305), (129, 9344), (167, 9431), (171, 9443), (174, 9449), (288, 9731), (315, 9785), (434, 9944), (452, 9995), (459, 10022), (461, 10028), (467, 10049), (561, 10262), (608, 10415), (612, 10430), (617, 10442), (621, 10451), (641, 10517), (649, 10538), (662, 10568), (677, 10598), (685, 10628),

Gene: Herbertwm_11 Start: 8071, Stop: 9552, Start Num: 74

Candidate Starts for Herbertwm_11:

(Start: 74 @8071 has 530 MA's), (129, 8131), (174, 8236), (252, 8446), (288, 8518), (298, 8542), (424, 8704), (452, 8779), (459, 8806), (461, 8812), (467, 8833), (477, 8863), (486, 8884), (592, 9148), (601, 9178), (607, 9196), (617, 9226), (621, 9235), (662, 9352), (677, 9382), (685, 9412), (696, 9427), (706, 9436),

Gene: Hercules11_14 Start: 8661, Stop: 10115, Start Num: 74

Candidate Starts for Hercules11_14:

(Start: 74 @8661 has 530 MA's), (Start: 114 @8691 has 8 MA's), (129, 8718), (174, 8823), (223, 8937), (242, 9003), (265, 9060), (301, 9138), (303, 9141), (421, 9282), (459, 9393), (461, 9399), (467, 9420), (544, 9585), (584, 9711), (601, 9765), (603, 9771), (608, 9786), (621, 9822), (649, 9909), (662, 9939), (677, 9969), (696, 10014), (706, 10023),

Gene: Hermia_14 Start: 9436, Stop: 10878, Start Num: 112

Candidate Starts for Hermia_14:

(64, 9370), (Start: 112 @9436 has 204 MA's), (195, 9634), (288, 9847), (421, 10042), (425, 10054), (459, 10153), (547, 10348), (561, 10387), (584, 10465), (586, 10471), (601, 10519), (605, 10531), (608, 10540), (639, 10630), (677, 10720), (687, 10753), (696, 10765),

Gene: HermioneGrange_13 Start: 8405, Stop: 9847, Start Num: 112

Candidate Starts for HermioneGrange_13:

(64, 8339), (Start: 112 @8405 has 204 MA's), (195, 8603), (288, 8816), (421, 9011), (422, 9014), (459, 9122), (484, 9194), (547, 9317), (561, 9356), (584, 9434), (586, 9440), (601, 9488), (605, 9500), (608, 9509), (639, 9599), (677, 9689), (687, 9722), (696, 9734),

Gene: Hestia_3 Start: 2347, Stop: 3684, Start Num: 111

Candidate Starts for Hestia_3:

(Start: 84 @2320 has 64 MA's), (Start: 96 @2335 has 3 MA's), (Start: 111 @2347 has 22 MA's), (138, 2395), (165, 2458), (170, 2470), (277, 2728), (301, 2785), (328, 2833), (418, 2929), (425, 2947), (430, 2956), (457, 3037), (461, 3049), (462, 3052), (468, 3076), (485, 3118), (547, 3244), (565, 3298), (584,

3361), (587, 3370), (600, 3412), (604, 3424), (619, 3463), (635, 3505), (640, 3529), (677, 3610), (681, 3619), (716, 3670),

Gene: Hexamo_16 Start: 9239, Stop: 10705, Start Num: 74

Candidate Starts for Hexamo_16:

(Start: 74 @9239 has 530 MA's), (97, 9260), (129, 9299), (167, 9386), (171, 9398), (174, 9404), (288, 9686), (315, 9740), (434, 9899), (452, 9950), (459, 9977), (461, 9983), (467, 10004), (561, 10217), (608, 10370), (612, 10385), (617, 10397), (621, 10406), (641, 10472), (649, 10493), (662, 10523), (677, 10553), (685, 10583),

Gene: Hexbug_6 Start: 2787, Stop: 4229, Start Num: 115

Candidate Starts for Hexbug_6:

(Start: 115 @2787 has 54 MA's), (129, 2802), (172, 2904), (236, 3060), (242, 3081), (244, 3090), (277, 3147), (282, 3156), (310, 3219), (422, 3351), (449, 3423), (454, 3441), (461, 3465), (463, 3471), (520, 3615), (554, 3714), (603, 3873), (607, 3885), (621, 3921), (629, 3930), (642, 3990), (656, 4023), (685, 4095), (696, 4110), (759, 4221),

Gene: Hillester_4 Start: 2274, Stop: 3605, Start Num: 111

Candidate Starts for Hillester_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (117, 2283), (165, 2385), (170, 2397), (227, 2538), (239, 2583), (243, 2598), (248, 2619), (281, 2655), (288, 2673), (328, 2754), (365, 2799), (430, 2877), (457, 2958), (461, 2970), (462, 2973), (468, 2997), (485, 3039), (542, 3150), (547, 3165), (559, 3195), (587, 3291), (677, 3531), (678, 3534), (681, 3540), (716, 3591),

Gene: Hippo_7 Start: 4055, Stop: 5491, Start Num: 108

Candidate Starts for Hippo_7:

(Start: 99 @4049 has 4 MA's), (Start: 108 @4055 has 156 MA's), (123, 4079), (136, 4103), (Start: 166 @4172 has 2 MA's), (184, 4220), (187, 4232), (197, 4271), (249, 4424), (312, 4538), (346, 4580), (364, 4607), (398, 4640), (401, 4646), (446, 4736), (449, 4748), (470, 4823), (477, 4841), (520, 4919), (535, 4964), (549, 5021), (623, 5234), (631, 5258), (680, 5390), (726, 5456), (747, 5477),

Gene: HippoPololi_7 Start: 3560, Stop: 5008, Start Num: 115

Candidate Starts for HippoPololi_7:

(52, 3467), (Start: 115 @3560 has 54 MA's), (145, 3614), (147, 3620), (190, 3728), (191, 3734), (227, 3797), (259, 3899), (288, 3944), (334, 4022), (391, 4094), (422, 4127), (424, 4133), (454, 4217), (461, 4241), (463, 4247), (485, 4310), (530, 4418), (554, 4490), (568, 4535), (596, 4625), (600, 4640), (604, 4652), (607, 4661), (626, 4697), (640, 4754), (656, 4796), (663, 4811), (693, 4877), (759, 4982),

Gene: Hiro_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Hiro_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Holec_13 Start: 9929, Stop: 11416, Start Num: 74

Candidate Starts for Holec_13:

(Start: 74 @9929 has 530 MA's), (129, 9992), (174, 10097), (197, 10166), (252, 10307), (271, 10346), (288, 10379), (301, 10412), (421, 10556), (452, 10640), (459, 10667), (461, 10673), (467, 10694), (477, 10724), (486, 10745), (501, 10769), (511, 10784), (601, 11039), (607, 11057), (617, 11087), (619, 11090), (621, 11096), (659, 11207), (662, 11213), (677, 11243), (696, 11288), (706, 11297),

Gene: Holli_12 Start: 8371, Stop: 9822, Start Num: 74

Candidate Starts for Holli_12:

(Start: 74 @8371 has 530 MA's), (170, 8518), (174, 8530), (239, 8698), (246, 8728), (265, 8767), (276, 8785), (301, 8845), (414, 8974), (421, 8992), (459, 9103), (461, 9109), (467, 9130), (468, 9136), (496, 9205), (528, 9265), (544, 9310), (584, 9436), (585, 9439), (601, 9490), (603, 9496), (608, 9511), (617, 9541), (647, 9631), (662, 9667), (667, 9679), (677, 9697), (685, 9727),

Gene: Holliday_4 Start: 2189, Stop: 3625, Start Num: 73

Candidate Starts for Holliday_4:

(Start: 73 @2189 has 29 MA's), (146, 2291), (168, 2342), (190, 2399), (192, 2408), (227, 2480), (241, 2534), (252, 2567), (281, 2603), (308, 2666), (410, 2774), (422, 2801), (427, 2813), (429, 2816), (450, 2876), (452, 2882), (465, 2927), (466, 2933), (475, 2960), (481, 2978), (492, 3011), (518, 3062), (534, 3092), (551, 3146), (561, 3176), (571, 3206), (607, 3329), (637, 3422), (640, 3437), (656, 3479), (665, 3500), (679, 3527), (694, 3560), (720, 3587),

Gene: Homines_12 Start: 8711, Stop: 10153, Start Num: 112

Candidate Starts for Homines_12:

(64, 8645), (Start: 112 @8711 has 204 MA's), (195, 8909), (288, 9122), (421, 9317), (425, 9329), (459, 9428), (547, 9623), (561, 9662), (584, 9740), (586, 9746), (601, 9794), (605, 9806), (608, 9815), (639, 9905), (677, 9995), (687, 10028), (696, 10040),

Gene: Homura_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Homura_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Honk_3 Start: 2397, Stop: 3779, Start Num: 104

Candidate Starts for Honk_3:

(Start: 104 @2397 has 48 MA's), (Start: 166 @2517 has 2 MA's), (189, 2586), (246, 2742), (404, 2961), (422, 3000), (447, 3051), (463, 3108), (571, 3357), (575, 3366), (628, 3513), (635, 3543), (647, 3582), (650, 3591), (661, 3618), (664, 3627),

Gene: Hookmount_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Hookmount_13:

(Start: 74 @8738 has 530 MA's), (117, 8777), (174, 8903), (204, 8987), (233, 9050), (242, 9083), (246, 9101), (265, 9140), (281, 9167), (301, 9218), (414, 9344), (418, 9356), (424, 9371), (425, 9374), (452, 9446), (459, 9473), (461, 9479), (467, 9500), (468, 9506), (477, 9530), (496, 9572), (544, 9677), (584, 9803), (585, 9806), (601, 9857), (603, 9863), (608, 9878), (617, 9908), (662, 10034), (677, 10064), (687, 10094),

Gene: Hoot_16 Start: 9263, Stop: 10726, Start Num: 74

Candidate Starts for Hoot_16:

(Start: 74 @9263 has 530 MA's), (97, 9284), (129, 9323), (167, 9410), (171, 9422), (174, 9428), (288, 9710), (434, 9923), (452, 9974), (459, 10001), (461, 10007), (467, 10028), (608, 10394), (617, 10421), (621, 10430), (640, 10490), (662, 10547), (677, 10577), (685, 10607), (709, 10634),

Gene: Hope_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Hope_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449),

(360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Hope4ever_12 Start: 8813, Stop: 10255, Start Num: 112

Candidate Starts for Hope4ever_12:

(64, 8747), (Start: 112 @8813 has 204 MA's), (195, 9011), (288, 9224), (421, 9419), (425, 9431), (459, 9530), (484, 9602), (547, 9725), (561, 9764), (584, 9842), (586, 9848), (601, 9896), (605, 9908), (608, 9917), (639, 10007), (677, 10097), (687, 10130), (696, 10142),

Gene: Horseradish_6 Start: 2693, Stop: 4147, Start Num: 115

Candidate Starts for Horseradish_6:

(Start: 115 @2693 has 54 MA's), (133, 2717), (180, 2831), (184, 2840), (231, 2957), (242, 2996), (244, 3005), (288, 3086), (391, 3233), (425, 3275), (454, 3356), (459, 3374), (461, 3380), (498, 3488), (544, 3608), (554, 3635), (565, 3671), (598, 3779), (605, 3800), (648, 3923), (662, 3953), (685, 4013), (687, 4016), (694, 4025), (759, 4124),

Gene: HortumSL17_14 Start: 9893, Stop: 11380, Start Num: 74

Candidate Starts for HortumSL17_14:

(Start: 74 @9893 has 530 MA's), (129, 9956), (174, 10061), (252, 10271), (271, 10310), (288, 10343), (301, 10376), (421, 10520), (452, 10604), (459, 10631), (461, 10637), (467, 10658), (477, 10688), (486, 10709), (501, 10733), (511, 10748), (601, 11003), (607, 11021), (617, 11051), (619, 11054), (621, 11060), (659, 11171), (662, 11177), (677, 11207), (696, 11252), (706, 11261),

Gene: Horus_4 Start: 2191, Stop: 3627, Start Num: 73

Candidate Starts for Horus_4:

(Start: 73 @2191 has 29 MA's), (123, 2245), (142, 2281), (146, 2293), (163, 2332), (165, 2335), (192, 2410), (227, 2482), (235, 2512), (241, 2536), (246, 2557), (281, 2605), (312, 2674), (344, 2716), (418, 2794), (427, 2815), (429, 2818), (450, 2878), (458, 2908), (459, 2911), (465, 2929), (466, 2935), (475, 2962), (481, 2980), (492, 3013), (528, 3079), (534, 3094), (551, 3148), (561, 3178), (571, 3208), (583, 3256), (607, 3331), (637, 3424), (640, 3439), (665, 3502), (694, 3562), (720, 3589),

Gene: HotPotato_3 Start: 2383, Stop: 3747, Start Num: 100

Candidate Starts for HotPotato_3:

(Start: 100 @2383 has 21 MA's), (182, 2551), (187, 2569), (196, 2605), (248, 2743), (260, 2779), (308, 2890), (316, 2905), (324, 2920), (363, 2965), (381, 2986), (418, 3019), (463, 3139), (539, 3298), (552, 3331), (571, 3385), (601, 3487), (640, 3589), (641, 3595), (718, 3739),

Gene: Hotshotbaby7_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Hotshotbaby7_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Houdini22_12 Start: 8582, Stop: 10033, Start Num: 74

Candidate Starts for Houdini22_12:

(Start: 74 @8582 has 530 MA's), (170, 8729), (174, 8741), (239, 8909), (246, 8939), (265, 8978), (276, 8996), (301, 9056), (414, 9185), (421, 9203), (425, 9215), (459, 9314), (461, 9320), (467, 9341), (468, 9347), (496, 9416), (528, 9476), (544, 9521), (584, 9647), (585, 9650), (601, 9701), (608, 9722), (617, 9752), (647, 9842), (662, 9878), (677, 9908), (685, 9938),

Gene: HuhtaEnerson15_10 Start: 7939, Stop: 9372, Start Num: 75

Candidate Starts for HuhtaEnerson15_10:

(Start: 75 @7939 has 72 MA's), (179, 8095), (185, 8107), (188, 8122), (190, 8128), (252, 8296), (265, 8323), (301, 8401), (363, 8482), (424, 8554), (425, 8557), (452, 8629), (461, 8662), (467, 8683), (473, 8701), (477, 8713), (501, 8758), (584, 8974), (601, 9028), (607, 9046), (621, 9085), (662, 9202), (677, 9232), (685, 9262), (706, 9286),

Gene: Hum25_3 Start: 2091, Stop: 3464, Start Num: 98

Candidate Starts for Hum25_3:

(Start: 98 @2091 has 1 MA's), (134, 2136), (136, 2142), (174, 2235), (183, 2250), (197, 2304), (201, 2316), (215, 2346), (217, 2349), (248, 2439), (288, 2499), (291, 2511), (344, 2595), (363, 2622), (365, 2625), (385, 2649), (425, 2700), (427, 2703), (446, 2751), (458, 2793), (461, 2802), (463, 2808), (477, 2853), (513, 2922), (554, 3015), (561, 3036), (565, 3051), (571, 3066), (585, 3117), (600, 3165), (616, 3207), (639, 3276), (641, 3285),

Gene: Huphleuff_38 Start: 12664, Stop: 14229, Start Num: 48

Candidate Starts for Huphleuff_38:

(Start: 48 @12664 has 17 MA's), (119, 12781), (172, 12901), (190, 12946), (192, 12955), (233, 13045), (245, 13093), (246, 13096), (277, 13138), (281, 13141), (289, 13165), (334, 13237), (337, 13240), (367, 13279), (384, 13300), (386, 13303), (424, 13348), (456, 13438), (458, 13447), (461, 13456), (474, 13498), (475, 13501), (488, 13540), (510, 13582), (512, 13588), (514, 13591), (532, 13636), (554, 13705), (584, 13804), (588, 13816), (622, 13915), (641, 13981), (651, 14002), (656, 14017), (706, 14110), (717, 14125),

Gene: Hurricane_8 Start: 2929, Stop: 4494, Start Num: 50

Candidate Starts for Hurricane_8:

(37, 2896), (Start: 50 @2929 has 160 MA's), (128, 3034), (131, 3043), (137, 3058), (174, 3148), (186, 3181), (189, 3193), (197, 3223), (231, 3292), (237, 3313), (241, 3328), (248, 3355), (286, 3406), (288, 3415), (294, 3430), (315, 3469), (333, 3505), (346, 3520), (351, 3526), (357, 3535), (366, 3550), (425, 3667), (441, 3700), (444, 3706), (452, 3733), (457, 3754), (464, 3775), (517, 3838), (525, 3856), (546, 3934), (550, 3946), (552, 3949), (557, 3964), (575, 4009), (583, 4045), (585, 4051), (600, 4099), (607, 4120), (650, 4237), (661, 4264), (664, 4273), (681, 4309),

Gene: Hutc2_13 Start: 9787, Stop: 11244, Start Num: 74

Candidate Starts for Hutc2_13:

(Start: 74 @9787 has 530 MA's), (120, 9832), (129, 9847), (174, 9952), (288, 10234), (301, 10267), (425, 10423), (452, 10495), (459, 10522), (461, 10528), (467, 10549), (486, 10600), (592, 10864), (601, 10894), (608, 10915), (612, 10930), (617, 10942), (621, 10951), (649, 11038), (662, 11068), (677, 11098), (685, 11128), (736, 11194),

Gene: Huxley_12 Start: 8642, Stop: 10093, Start Num: 74

Candidate Starts for Huxley_12:

(Start: 74 @8642 has 530 MA's), (170, 8789), (174, 8801), (239, 8969), (246, 8999), (265, 9038), (276, 9056), (301, 9116), (414, 9245), (421, 9263), (425, 9275), (459, 9374), (461, 9380), (467, 9401), (468, 9407), (496, 9476), (528, 9536), (544, 9581), (584, 9707), (585, 9710), (601, 9761), (608, 9782), (617, 9812), (647, 9902), (662, 9938), (677, 9968), (685, 9998),

Gene: Hydra_9 Start: 4618, Stop: 6060, Start Num: 108

Candidate Starts for Hydra_9:

(Start: 96 @4609 has 3 MA's), (Start: 99 @4612 has 4 MA's), (Start: 108 @4618 has 156 MA's), (Start: 166 @4735 has 2 MA's), (184, 4783), (312, 5101), (346, 5143), (364, 5170), (398, 5203), (446, 5296), (449, 5308), (477, 5401), (520, 5479), (535, 5524), (549, 5581), (558, 5605), (631, 5818), (747, 6046),

Gene: Hyperbowlee_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Hyperbowlee_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: IAmGroot_3 Start: 2211, Stop: 3590, Start Num: 104

Candidate Starts for IAmGroot_3:

(Start: 104 @2211 has 48 MA's), (Start: 166 @2331 has 2 MA's), (287, 2619), (457, 2892), (566, 3168), (579, 3210), (641, 3393), (647, 3402), (650, 3411),

Gene: ICleared_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for ICleared_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: ILeeKay_14 Start: 8865, Stop: 10307, Start Num: 112

Candidate Starts for ILeeKay_14:

(64, 8799), (Start: 112 @8865 has 204 MA's), (195, 9063), (288, 9276), (421, 9471), (459, 9582), (484, 9654), (547, 9777), (561, 9816), (584, 9894), (586, 9900), (601, 9948), (605, 9960), (608, 9969), (639, 10059), (677, 10149), (687, 10182), (696, 10194),

Gene: IPhane7_15 Start: 6260, Stop: 7882, Start Num: 55

Candidate Starts for IPhane7_15:

(Start: 55 @6260 has 21 MA's), (Start: 62 @6275 has 13 MA's), (135, 6383), (142, 6401), (165, 6449), (175, 6482), (181, 6494), (188, 6518), (195, 6545), (197, 6551), (231, 6623), (233, 6629), (241, 6659), (267, 6740), (271, 6746), (273, 6749), (283, 6767), (411, 6923), (421, 6941), (425, 6953), (447, 7001), (463, 7058), (464, 7061), (495, 7130), (533, 7184), (541, 7220), (558, 7271), (560, 7274), (571, 7304), (575, 7313), (593, 7379), (595, 7382), (600, 7403), (601, 7406), (623, 7457), (650, 7544), (709, 7655), (727, 7685), (747, 7721), (751, 7727), (757, 7742), (762, 7754), (777, 7838),

Gene: Ibantik_69 Start: 30801, Stop: 32300, Start Num: 68

Candidate Starts for Ibantik_69:

(Start: 68 @30801 has 1 MA's), (137, 30903), (145, 30924), (195, 31065), (205, 31086), (231, 31146), (262, 31245), (331, 31386), (418, 31434), (430, 31461), (438, 31479), (476, 31593), (544, 31731), (546, 31737), (549, 31746), (552, 31752), (565, 31794), (591, 31878), (601, 31911), (615, 31953), (638, 32010), (677, 32109), (742, 32226),

Gene: Ibrahim_4 Start: 2624, Stop: 4189, Start Num: 53

Candidate Starts for Ibrahim_4:

(39, 2567), (40, 2576), (42, 2579), (Start: 53 @2624 has 7 MA's), (60, 2642), (Start: 121 @2732 has 1 MA's), (127, 2741), (133, 2753), (184, 2870), (198, 2924), (204, 2936), (214, 2960), (243, 3035), (246, 3050), (253, 3062), (259, 3074), (288, 3113), (354, 3230), (362, 3239), (368, 3248), (418, 3296), (427, 3317), (445, 3362), (446, 3365), (459, 3413), (469, 3449), (495, 3506), (529, 3563), (555, 3647), (561, 3665), (578, 3728), (592, 3770), (601, 3800), (647, 3932), (668, 3983), (696, 4046), (705, 4055),

Gene: Iceman_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Iceman_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Ichabod_13 Start: 8717, Stop: 10159, Start Num: 112

Candidate Starts for Ichabod_13:

(64, 8651), (Start: 112 @8717 has 204 MA's), (195, 8915), (288, 9128), (421, 9323), (422, 9326), (425, 9335), (459, 9434), (547, 9629), (561, 9668), (584, 9746), (586, 9752), (601, 9800), (605, 9812), (608, 9821), (621, 9854), (639, 9911), (677, 10001), (687, 10034), (696, 10046),

Gene: IdentityCrisis_3 Start: 2144, Stop: 3616, Start Num: 76

Candidate Starts for IdentityCrisis_3:

(Start: 76 @2144 has 2 MA's), (88, 2156), (Start: 104 @2171 has 48 MA's), (146, 2243), (157, 2276), (184, 2330), (227, 2435), (286, 2570), (312, 2627), (342, 2666), (414, 2735), (422, 2756), (449, 2828), (450, 2831), (456, 2852), (457, 2858), (461, 2870), (474, 2912), (498, 2981), (499, 2984), (548, 3098), (566, 3155), (601, 3269), (607, 3287), (645, 3407), (705, 3515), (722, 3539),

Gene: Idleandcovert_12 Start: 8193, Stop: 9659, Start Num: 75

Candidate Starts for Idleandcovert_12:

(Start: 75 @8193 has 72 MA's), (174, 8364), (204, 8448), (233, 8511), (242, 8544), (246, 8562), (265, 8601), (281, 8628), (300, 8676), (418, 8817), (422, 8826), (452, 8907), (458, 8931), (459, 8934), (461, 8940), (466, 8958), (467, 8961), (468, 8967), (544, 9138), (584, 9264), (585, 9267), (601, 9318), (603, 9324), (608, 9339), (617, 9369), (662, 9495), (677, 9525), (687, 9555),

Gene: IgnatiusPatJac_11 Start: 8691, Stop: 10133, Start Num: 112

Candidate Starts for IgnatiusPatJac_11:

(64, 8625), (Start: 112 @8691 has 204 MA's), (195, 8889), (288, 9102), (421, 9297), (459, 9408), (484, 9480), (547, 9603), (561, 9642), (584, 9720), (586, 9726), (601, 9774), (605, 9786), (608, 9795), (639, 9885), (677, 9975), (687, 10008), (696, 10020),

Gene: Illumine_9 Start: 3022, Stop: 4590, Start Num: 49

Candidate Starts for Illumine_9:

(23, 2794), (28, 2908), (31, 2935), (Start: 49 @3022 has 25 MA's), (Start: 50 @3037 has 160 MA's), (128, 3139), (131, 3148), (Start: 166 @3229 has 2 MA's), (174, 3253), (188, 3295), (197, 3328), (231, 3397), (237, 3418), (248, 3460), (288, 3523), (294, 3538), (333, 3613), (351, 3634), (370, 3664), (425, 3775), (441, 3808), (452, 3841), (464, 3883), (473, 3913), (517, 3946), (525, 3964), (546, 4042), (550, 4054), (552, 4057), (556, 4069), (557, 4072), (573, 4108), (585, 4156), (607, 4225), (622, 4255), (640, 4321), (650, 4342), (661, 4369), (664, 4378), (681, 4414), (717, 4468),

Gene: Indigo_7 Start: 4081, Stop: 5523, Start Num: 108

Candidate Starts for Indigo_7:

(Start: 96 @4072 has 3 MA's), (Start: 99 @4075 has 4 MA's), (Start: 108 @4081 has 156 MA's), (Start: 166 @4198 has 2 MA's), (184, 4246), (312, 4564), (346, 4606), (364, 4633), (398, 4666), (446, 4759), (449, 4771), (477, 4864), (520, 4942), (535, 4987), (549, 5044), (558, 5068), (631, 5281), (747, 5509),

Gene: Indra_16 Start: 9284, Stop: 10750, Start Num: 74

Candidate Starts for Indra_16:

(Start: 74 @9284 has 530 MA's), (97, 9305), (129, 9344), (167, 9431), (171, 9443), (174, 9449), (288, 9731), (315, 9785), (434, 9944), (452, 9995), (459, 10022), (461, 10028), (467, 10049), (561, 10262), (608, 10415), (612, 10430), (617, 10442), (621, 10451), (641, 10517), (649, 10538), (662, 10568), (677, 10598), (685, 10628),

Gene: Inky_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Inky_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Insomnia_13 Start: 9836, Stop: 11293, Start Num: 74

Candidate Starts for Insomnia_13:

(Start: 74 @9836 has 530 MA's), (120, 9881), (129, 9896), (174, 10001), (288, 10283), (301, 10316), (425, 10472), (452, 10544), (459, 10571), (461, 10577), (467, 10598), (486, 10649), (592, 10913), (601, 10943), (608, 10964), (612, 10979), (617, 10991), (621, 11000), (649, 11087), (662, 11117), (677, 11147), (685, 11177), (736, 11243),

Gene: InvictusManeo_7 Start: 2770, Stop: 4308, Start Num: 50

Candidate Starts for InvictusManeo_7:

(Start: 50 @2770 has 160 MA's), (128, 2872), (131, 2881), (149, 2935), (186, 3019), (189, 3031), (197, 3061), (207, 3079), (231, 3130), (241, 3166), (247, 3190), (248, 3193), (287, 3247), (294, 3268), (333, 3343), (351, 3364), (370, 3394), (396, 3439), (421, 3493), (441, 3538), (452, 3571), (462, 3607), (464, 3613), (517, 3676), (525, 3694), (546, 3772), (550, 3784), (552, 3787), (557, 3802), (575, 3847), (576, 3862), (583, 3883), (585, 3889), (600, 3937), (601, 3940), (607, 3958), (612, 3973), (637, 4039), (640, 4054), (650, 4075), (664, 4111), (681, 4147), (735, 4234),

Gene: Inyanga_11 Start: 8480, Stop: 9922, Start Num: 112

Candidate Starts for Inyanga_11:

(64, 8414), (Start: 112 @8480 has 204 MA's), (195, 8678), (288, 8891), (421, 9086), (425, 9098), (459, 9197), (547, 9392), (561, 9431), (584, 9509), (586, 9515), (601, 9563), (605, 9575), (608, 9584), (639, 9674), (677, 9764), (687, 9797), (696, 9809),

Gene: Iqorha_11 Start: 8480, Stop: 9922, Start Num: 112

Candidate Starts for Iqorha_11:

(64, 8414), (Start: 112 @8480 has 204 MA's), (195, 8678), (288, 8891), (421, 9086), (425, 9098), (459, 9197), (484, 9269), (547, 9392), (561, 9431), (584, 9509), (586, 9515), (601, 9563), (605, 9575), (608, 9584), (639, 9674), (677, 9764), (687, 9797), (696, 9809),

Gene: Iracema64_12 Start: 8555, Stop: 10006, Start Num: 74

Candidate Starts for Iracema64_12:

(Start: 74 @8555 has 530 MA's), (174, 8714), (239, 8882), (246, 8912), (265, 8951), (276, 8969), (301, 9029), (414, 9158), (421, 9176), (459, 9287), (461, 9293), (467, 9314), (468, 9320), (496, 9389), (528, 9449), (544, 9494), (584, 9620), (585, 9623), (601, 9674), (603, 9680), (608, 9695), (617, 9725), (647, 9815), (662, 9851), (677, 9881), (685, 9911),

Gene: IronMan_15 Start: 10935, Stop: 12389, Start Num: 74

Candidate Starts for IronMan_15:

(Start: 74 @10935 has 530 MA's), (129, 10995), (174, 11100), (223, 11214), (252, 11310), (288, 11382), (425, 11571), (452, 11643), (459, 11670), (461, 11676), (467, 11697), (486, 11748), (601, 12042), (607, 12060), (617, 12090), (621, 12099), (640, 12159), (649, 12186), (662, 12216), (677, 12246), (685, 12276), (706, 12300),

Gene: Isca_12 Start: 8065, Stop: 9531, Start Num: 75

Candidate Starts for Isca_12:

(Start: 75 @8065 has 72 MA's), (117, 8110), (174, 8236), (204, 8320), (233, 8383), (239, 8404), (242, 8416), (246, 8434), (265, 8473), (281, 8500), (418, 8689), (452, 8779), (458, 8803), (459, 8806), (461, 8812), (467, 8833), (468, 8839), (544, 9010), (584, 9136), (585, 9139), (601, 9190), (603, 9196), (608, 9211), (617, 9241), (662, 9367), (677, 9397), (687, 9427),

Gene: Isiphiwo_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for Isiphiwo_16:

(Start: 74 @9274 has 530 MA's), (97, 9295), (129, 9334), (167, 9421), (171, 9433), (174, 9439), (288, 9721), (434, 9934), (452, 9985), (459, 10012), (461, 10018), (467, 10039), (608, 10405), (617, 10432), (621, 10441), (640, 10501), (662, 10558), (677, 10588), (685, 10618), (709, 10645),

Gene: Isolde_4 Start: 2274, Stop: 3611, Start Num: 111

Candidate Starts for Isolde_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (144, 2337), (165, 2385), (170, 2397), (227, 2538), (246, 2613), (288, 2679), (328, 2760), (430, 2883), (455, 2955), (457, 2964), (461, 2976), (462, 2979), (468, 3003), (485, 3045), (547, 3171), (587, 3297), (600, 3339), (604, 3351), (677, 3537), (681, 3546), (716, 3597),

Gene: Issmi_8 Start: 4133, Stop: 5614, Start Num: 108

Candidate Starts for Issmi_8:

(Start: 108 @4133 has 156 MA's), (118, 4151), (Start: 166 @4250 has 2 MA's), (184, 4298), (187, 4310), (197, 4349), (231, 4442), (248, 4499), (266, 4526), (315, 4619), (346, 4655), (364, 4682), (446, 4808), (449, 4820), (470, 4895), (477, 4913), (483, 4931), (485, 4937), (490, 4958), (513, 5021), (520, 5033), (535, 5078), (549, 5135), (600, 5294), (607, 5315), (631, 5372), (661, 5462), (664, 5471), (680, 5504), (747, 5600),

Gene: Iter_3 Start: 2280, Stop: 3656, Start Num: 104

Candidate Starts for Iter_3:

(Start: 104 @2280 has 48 MA's), (Start: 166 @2400 has 2 MA's), (197, 2499), (318, 2763), (478, 3036), (555, 3195), (573, 3243), (579, 3273), (587, 3297), (647, 3471), (710, 3591),

Gene: Itos_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Itos_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: IttyBittyPiggy_3 Start: 2272, Stop: 3651, Start Num: 101

Candidate Starts for IttyBittyPiggy_3:

(Start: 101 @2272 has 12 MA's), (Start: 166 @2392 has 2 MA's), (318, 2755), (478, 3028), (573, 3232), (579, 3262), (587, 3286), (647, 3460),

Gene: Itza_7 Start: 4278, Stop: 5753, Start Num: 108

Candidate Starts for Itza_7:

(13, 3741), (21, 3885), (Start: 108 @4278 has 156 MA's), (Start: 121 @4299 has 1 MA's), (Start: 166 @4395 has 2 MA's), (187, 4455), (231, 4587), (237, 4608), (248, 4644), (346, 4806), (382, 4848), (431, 4932), (449, 4971), (463, 5019), (470, 5046), (477, 5064), (485, 5088), (486, 5091), (490, 5109), (502, 5145), (520, 5184), (535, 5229), (549, 5286), (558, 5310), (631, 5523), (661, 5613), (680, 5655),

Gene: Iwokeuplikedis_13 Start: 8972, Stop: 10429, Start Num: 74

Candidate Starts for lwokeuplikedis_13:

(Start: 74 @8972 has 530 MA's), (129, 9032), (171, 9131), (174, 9137), (252, 9347), (281, 9401), (288, 9419), (301, 9452), (424, 9605), (425, 9608), (452, 9680), (459, 9707), (461, 9713), (467, 9734), (486, 9785), (501, 9809), (561, 9947), (601, 10079), (607, 10097), (617, 10127), (621, 10136), (640, 10196), (662, 10253), (677, 10283), (685, 10313), (706, 10337), (721, 10358),

Gene: lzel_14 Start: 6259, Stop: 7881, Start Num: 55

Candidate Starts for lzel_14:

(Start: 55 @6259 has 21 MA's), (Start: 62 @6274 has 13 MA's), (135, 6382), (142, 6400), (165, 6448), (175, 6481), (181, 6493), (188, 6517), (195, 6544), (197, 6550), (231, 6622), (233, 6628), (241, 6658), (267, 6739), (271, 6745), (273, 6748), (283, 6766), (411, 6922), (421, 6940), (425, 6952), (447, 7000), (463, 7057), (464, 7060), (495, 7129), (533, 7183), (541, 7219), (558, 7270), (560, 7273), (571, 7303), (575, 7312), (593, 7378), (595, 7381), (600, 7402), (601, 7405), (623, 7456), (650, 7543), (709, 7654), (727, 7684), (747, 7720), (751, 7726), (757, 7741), (762, 7753), (777, 7837),

Gene: lzzy_8 Start: 4288, Stop: 5730, Start Num: 108

Candidate Starts for lzzy_8:

(Start: 96 @4279 has 3 MA's), (Start: 99 @4282 has 4 MA's), (Start: 108 @4288 has 156 MA's), (Start: 166 @4405 has 2 MA's), (184, 4453), (190, 4477), (312, 4771), (346, 4813), (364, 4840), (446, 4966), (449, 4978), (477, 5071), (520, 5149), (535, 5194), (549, 5251), (558, 5275), (631, 5488), (747, 5716),

Gene: JAWS_9 Start: 3020, Stop: 4576, Start Num: 50

Candidate Starts for JAWS_9:

(31, 2918), (Start: 49 @3005 has 25 MA's), (Start: 50 @3020 has 160 MA's), (128, 3119), (131, 3128), (160, 3200), (Start: 166 @3209 has 2 MA's), (174, 3233), (186, 3266), (188, 3275), (197, 3308), (207, 3326), (231, 3377), (237, 3398), (248, 3440), (288, 3506), (294, 3521), (333, 3596), (351, 3617), (385, 3671), (441, 3791), (452, 3824), (457, 3845), (464, 3866), (473, 3896), (517, 3929), (525, 3947), (546, 4025), (550, 4037), (552, 4040), (556, 4052), (557, 4055), (573, 4091), (585, 4139), (601, 4190), (607, 4208), (640, 4304), (650, 4325), (661, 4352), (664, 4361), (681, 4397),

Gene: JC27_14 Start: 9317, Stop: 10759, Start Num: 112

Candidate Starts for JC27_14:

(64, 9251), (Start: 112 @9317 has 204 MA's), (195, 9515), (288, 9728), (421, 9923), (459, 10034), (484, 10106), (547, 10229), (561, 10268), (584, 10346), (586, 10352), (601, 10400), (605, 10412), (608, 10421), (639, 10511), (677, 10601), (687, 10634), (696, 10646),

Gene: JF1_10 Start: 3907, Stop: 5508, Start Num: 49

Candidate Starts for JF1_10:

(Start: 49 @3907 has 25 MA's), (Start: 50 @3922 has 160 MA's), (60, 3946), (109, 4012), (135, 4057), (Start: 166 @4129 has 2 MA's), (186, 4186), (188, 4195), (189, 4198), (197, 4228), (231, 4297), (237, 4318), (241, 4333), (246, 4354), (248, 4360), (271, 4384), (288, 4420), (294, 4435), (315, 4474), (399, 4609), (404, 4618), (414, 4636), (424, 4663), (425, 4666), (441, 4699), (452, 4732), (457, 4753), (464, 4774), (517, 4837), (526, 4861), (535, 4885), (546, 4933), (550, 4945), (555, 4957), (557, 4963), (571, 5002), (605, 5116), (607, 5122), (650, 5293), (661, 5320), (664, 5329), (693, 5392), (704, 5404),

Gene: JF2_12 Start: 7830, Stop: 9296, Start Num: 75

Candidate Starts for JF2_12:

(Start: 75 @7830 has 72 MA's), (117, 7875), (174, 8001), (204, 8085), (233, 8148), (242, 8181), (246, 8199), (265, 8238), (281, 8265), (418, 8454), (452, 8544), (458, 8568), (459, 8571), (461, 8577), (467, 8598), (468, 8604), (544, 8775), (584, 8901), (585, 8904), (601, 8955), (603, 8961), (608, 8976), (617, 9006), (662, 9132), (677, 9162), (687, 9192),

Gene: JF4_12 Start: 7830, Stop: 9296, Start Num: 75

Candidate Starts for JF4_12:

(Start: 75 @7830 has 72 MA's), (117, 7875), (174, 8001), (204, 8085), (233, 8148), (242, 8181), (246, 8199), (265, 8238), (281, 8265), (418, 8454), (452, 8544), (458, 8568), (459, 8571), (461, 8577), (467, 8598), (468, 8604), (544, 8775), (584, 8901), (585, 8904), (601, 8955), (603, 8961), (608, 8976), (617, 9006), (662, 9132), (677, 9162), (687, 9192),

Gene: JHC117_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for JHC117_14:

(Start: 74 @8652 has 530 MA's), (Start: 114 @8682 has 8 MA's), (129, 8709), (174, 8814), (223, 8928), (242, 8994), (265, 9051), (301, 9129), (303, 9132), (421, 9273), (459, 9384), (461, 9390), (467, 9411), (544, 9576), (584, 9702), (601, 9756), (603, 9762), (608, 9777), (621, 9813), (649, 9900), (662, 9930), (677, 9960), (696, 10005), (706, 10014),

Gene: JSwag_15 Start: 8373, Stop: 9833, Start Num: 74

Candidate Starts for JSwag_15:

(Start: 74 @8373 has 530 MA's), (129, 8433), (174, 8538), (271, 8787), (288, 8820), (301, 8853), (452, 9084), (459, 9111), (461, 9117), (467, 9138), (474, 9159), (486, 9189), (501, 9213), (544, 9303), (555, 9333), (584, 9429), (593, 9456), (601, 9483), (607, 9501), (608, 9504), (617, 9537), (621, 9546), (662, 9663), (677, 9693), (706, 9747),

Gene: Jaan_16 Start: 11325, Stop: 12779, Start Num: 74

Candidate Starts for Jaan_16:

(Start: 74 @11325 has 530 MA's), (129, 11385), (174, 11490), (223, 11604), (252, 11700), (288, 11772), (452, 12033), (459, 12060), (461, 12066), (467, 12087), (486, 12138), (601, 12432), (607, 12450), (617, 12480), (621, 12489), (640, 12549), (649, 12576), (662, 12606), (677, 12636), (685, 12666), (706, 12690),

Gene: Jabbawokkie_5 Start: 2704, Stop: 4128, Start Num: 73

Candidate Starts for Jabbawokkie_5:

(Start: 73 @2704 has 29 MA's), (105, 2737), (140, 2791), (165, 2851), (168, 2860), (184, 2893), (192, 2926), (201, 2956), (228, 3001), (232, 3019), (239, 3043), (241, 3052), (276, 3112), (301, 3172), (307, 3181), (308, 3184), (331, 3217), (350, 3238), (386, 3280), (422, 3319), (427, 3331), (429, 3334), (449, 3391), (450, 3394), (452, 3400), (456, 3415), (465, 3445), (466, 3451), (492, 3529), (534, 3610), (551, 3664), (565, 3709), (571, 3724), (591, 3796), (605, 3841), (607, 3847), (640, 3955), (642, 3964), (645, 3973), (659, 4003), (665, 4018), (679, 4045),

Gene: Jabiru_10 Start: 7815, Stop: 9248, Start Num: 75

Candidate Starts for Jabiru_10:

(Start: 75 @7815 has 72 MA's), (167, 7944), (185, 7983), (188, 7998), (190, 8004), (223, 8076), (252, 8172), (265, 8199), (363, 8358), (422, 8424), (424, 8430), (425, 8433), (452, 8505), (461, 8538), (467, 8559), (477, 8589), (584, 8850), (601, 8904), (607, 8922), (621, 8961), (662, 9078), (677, 9108), (685, 9138), (696, 9153), (706, 9162),

Gene: Jabith_13 Start: 9836, Stop: 11293, Start Num: 74

Candidate Starts for Jabith_13:

(Start: 74 @9836 has 530 MA's), (120, 9881), (129, 9896), (174, 10001), (288, 10283), (301, 10316), (425, 10472), (452, 10544), (459, 10571), (461, 10577), (467, 10598), (486, 10649), (592, 10913), (601, 10943), (608, 10964), (612, 10979), (617, 10991), (621, 11000), (649, 11087), (662, 11117), (677, 11147), (685, 11177), (736, 11243),

Gene: Jablanski_3 Start: 2281, Stop: 3729, Start Num: 77

Candidate Starts for Jablanski_3:

(35, 2128), (Start: 77 @2281 has 21 MA's), (183, 2467), (191, 2500), (202, 2533), (237, 2605), (360, 2815), (425, 2893), (440, 2926), (458, 2989), (461, 2998), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3676),

Gene: JackSparrow_13 Start: 8973, Stop: 10415, Start Num: 112

Candidate Starts for JackSparrow_13:

(64, 8907), (Start: 112 @8973 has 204 MA's), (195, 9171), (288, 9384), (421, 9579), (425, 9591), (459, 9690), (547, 9885), (561, 9924), (584, 10002), (586, 10008), (601, 10056), (605, 10068), (608, 10077), (639, 10167), (677, 10257), (687, 10290), (696, 10302),

Gene: JacoRen57_3 Start: 2321, Stop: 3976, Start Num: 67

Candidate Starts for JacoRen57_3:

(Start: 67 @2321 has 1 MA's), (Start: 91 @2336 has 1 MA's), (93, 2339), (174, 2489), (190, 2531), (195, 2552), (220, 2669), (236, 2738), (308, 2894), (334, 2927), (347, 2942), (434, 3062), (461, 3146), (534, 3308), (568, 3416), (606, 3539), (607, 3542), (621, 3572), (635, 3608), (694, 3758), (731, 3806), (754, 3857),

Gene: JalFarm20_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for JalFarm20_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Jamzy_8 Start: 3189, Stop: 4634, Start Num: 115

Candidate Starts for Jamzy_8:

(52, 3096), (Start: 115 @3189 has 54 MA's), (129, 3204), (172, 3306), (184, 3327), (191, 3357), (213, 3393), (225, 3420), (236, 3462), (244, 3492), (248, 3507), (257, 3522), (310, 3621), (342, 3657), (422, 3753), (449, 3825), (454, 3843), (456, 3849), (461, 3867), (463, 3873), (520, 4017), (554, 4116), (617, 4314), (621, 4323), (642, 4392), (662, 4437), (685, 4497), (694, 4509), (759, 4623),

Gene: Jane_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Jane_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Janeemi_4 Start: 3363, Stop: 4736, Start Num: 104

Candidate Starts for Janeemi_4:

(Start: 104 @3363 has 48 MA's), (Start: 166 @3483 has 2 MA's), (197, 3582), (318, 3846), (478, 4119), (555, 4275), (573, 4323), (579, 4353), (587, 4377), (647, 4551), (650, 4560), (710, 4671),

Gene: Jankie_3 Start: 1980, Stop: 3407, Start Num: 77

Candidate Starts for Jankie_3:

(Start: 77 @1980 has 21 MA's), (145, 2073), (177, 2148), (184, 2160), (249, 2346), (288, 2409), (329, 2481), (450, 2658), (458, 2688), (474, 2739), (506, 2817), (529, 2862), (538, 2889), (540, 2895), (576, 3009), (606, 3102), (625, 3147), (659, 3255),

Gene: Janus_8 Start: 4204, Stop: 5691, Start Num: 108

Candidate Starts for Janus_8:

(Start: 108 @4204 has 156 MA's), (Start: 166 @4321 has 2 MA's), (197, 4420), (210, 4474), (231, 4513), (346, 4726), (449, 4894), (470, 4969), (474, 4978), (477, 4987), (481, 4999), (483, 5005), (535, 5152), (547, 5203), (549, 5209), (631, 5446), (664, 5545), (680, 5578), (747, 5677),

Gene: Jarvi_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Jarvi_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Jash_8 Start: 4241, Stop: 5683, Start Num: 108

Candidate Starts for Jash_8:

(Start: 96 @4232 has 3 MA's), (Start: 99 @4235 has 4 MA's), (Start: 108 @4241 has 156 MA's), (Start: 166 @4358 has 2 MA's), (184, 4406), (190, 4430), (312, 4724), (346, 4766), (364, 4793), (446, 4919), (449, 4931), (477, 5024), (520, 5102), (535, 5147), (549, 5204), (558, 5228), (631, 5441), (747, 5669),

Gene: JasmineDragon_3 Start: 2299, Stop: 3663, Start Num: 100

Candidate Starts for JasmineDragon_3:

(Start: 100 @2299 has 21 MA's), (160, 2413), (Start: 166 @2422 has 2 MA's), (197, 2521), (449, 2962), (450, 2965), (544, 3184), (573, 3262), (641, 3481), (647, 3490),

Gene: Jasper_13 Start: 8528, Stop: 9970, Start Num: 112

Candidate Starts for Jasper_13:

(64, 8462), (Start: 112 @8528 has 204 MA's), (195, 8726), (288, 8939), (421, 9134), (425, 9146), (459, 9245), (484, 9317), (547, 9440), (561, 9479), (584, 9557), (586, 9563), (600, 9608), (601, 9611), (605, 9623), (608, 9632), (639, 9722), (677, 9812), (687, 9845), (696, 9857),

Gene: Jayhawk_9 Start: 3020, Stop: 4579, Start Num: 50

Candidate Starts for Jayhawk_9:

(31, 2918), (Start: 49 @3005 has 25 MA's), (Start: 50 @3020 has 160 MA's), (128, 3122), (131, 3131), (160, 3203), (Start: 166 @3212 has 2 MA's), (174, 3236), (186, 3269), (188, 3278), (197, 3311), (207, 3329), (231, 3380), (237, 3401), (248, 3443), (288, 3509), (294, 3524), (333, 3599), (351, 3620), (385, 3674), (441, 3794), (452, 3827), (457, 3848), (464, 3869), (473, 3899), (517, 3932), (525, 3950), (546, 4028), (550, 4040), (552, 4043), (556, 4055), (557, 4058), (573, 4094), (585, 4142), (601, 4193), (607, 4211), (640, 4307), (650, 4328), (661, 4355), (664, 4364), (681, 4400),

Gene: Jaykayelowell_12 Start: 8577, Stop: 10028, Start Num: 74

Candidate Starts for Jaykayelowell_12:

(Start: 74 @8577 has 530 MA's), (170, 8724), (174, 8736), (239, 8904), (246, 8934), (265, 8973), (276, 8991), (301, 9051), (414, 9180), (421, 9198), (459, 9309), (461, 9315), (467, 9336), (468, 9342), (496, 9411), (528, 9471), (544, 9516), (584, 9642), (585, 9645), (601, 9696), (603, 9702), (608, 9717), (617, 9747), (647, 9837), (662, 9873), (667, 9885), (677, 9903), (685, 9933),

Gene: Jeckyll_9 Start: 3055, Stop: 4623, Start Num: 49

Candidate Starts for Jeckyll_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441,

3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Jeeves_12 Start: 8315, Stop: 9775, Start Num: 74

Candidate Starts for Jeeves_12:

(Start: 74 @8315 has 530 MA's), (90, 8327), (129, 8375), (174, 8480), (181, 8492), (197, 8549), (288, 8762), (422, 8942), (452, 9023), (459, 9050), (461, 9056), (466, 9074), (467, 9077), (474, 9098), (486, 9128), (499, 9149), (511, 9167), (539, 9230), (601, 9422), (608, 9443), (612, 9458), (617, 9470), (621, 9479), (640, 9539), (662, 9596), (677, 9626), (685, 9656), (706, 9680),

Gene: Jeffabunny_16 Start: 9287, Stop: 10750, Start Num: 74

Candidate Starts for Jeffabunny_16:

(Start: 74 @9287 has 530 MA's), (97, 9308), (129, 9347), (167, 9434), (171, 9446), (174, 9452), (288, 9734), (434, 9947), (452, 9998), (459, 10025), (461, 10031), (467, 10052), (608, 10418), (617, 10445), (621, 10454), (640, 10514), (662, 10571), (677, 10601), (685, 10631), (709, 10658),

Gene: JellyBread_4 Start: 2274, Stop: 3605, Start Num: 111

Candidate Starts for JellyBread_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (117, 2283), (165, 2385), (170, 2397), (227, 2538), (239, 2583), (243, 2598), (248, 2619), (281, 2655), (288, 2673), (328, 2754), (365, 2799), (430, 2877), (457, 2958), (461, 2970), (462, 2973), (468, 2997), (485, 3039), (542, 3150), (547, 3165), (559, 3195), (587, 3291), (677, 3531), (678, 3534), (681, 3540), (716, 3591),

Gene: JenCasNa_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for JenCasNa_14:

(Start: 74 @8652 has 530 MA's), (Start: 114 @8682 has 8 MA's), (129, 8709), (174, 8814), (223, 8928), (242, 8994), (265, 9051), (301, 9129), (303, 9132), (421, 9273), (459, 9384), (461, 9390), (467, 9411), (544, 9576), (584, 9702), (601, 9756), (603, 9762), (608, 9777), (621, 9813), (649, 9900), (662, 9930), (677, 9960), (696, 10005), (706, 10014),

Gene: JeppNRM_15 Start: 8724, Stop: 10178, Start Num: 74

Candidate Starts for JeppNRM_15:

(Start: 74 @8724 has 530 MA's), (Start: 114 @8754 has 8 MA's), (129, 8781), (174, 8886), (223, 9000), (242, 9066), (265, 9123), (301, 9201), (303, 9204), (421, 9345), (459, 9456), (461, 9462), (467, 9483), (544, 9648), (584, 9774), (601, 9828), (603, 9834), (608, 9849), (621, 9885), (649, 9972), (662, 10002), (677, 10032), (696, 10077), (706, 10086),

Gene: Jerm_15 Start: 9635, Stop: 11095, Start Num: 74

Candidate Starts for Jerm_15:

(Start: 74 @9635 has 530 MA's), (129, 9695), (174, 9800), (246, 9998), (288, 10082), (301, 10115), (421, 10259), (452, 10343), (459, 10370), (461, 10376), (467, 10397), (468, 10403), (486, 10448), (601, 10742), (607, 10760), (608, 10763), (617, 10790), (621, 10799), (662, 10916), (677, 10946), (685, 10976), (706, 11000),

Gene: Jerm2_13 Start: 8906, Stop: 10348, Start Num: 112

Candidate Starts for Jerm2_13:

(64, 8840), (Start: 112 @8906 has 204 MA's), (195, 9104), (288, 9317), (421, 9512), (422, 9515), (459, 9623), (484, 9695), (547, 9818), (561, 9857), (584, 9935), (586, 9941), (601, 9989), (605, 10001), (608, 10010), (639, 10100), (677, 10190), (687, 10223), (696, 10235),

Gene: Jester_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Jester_9:

(43, 4754), (Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (263, 5222), (271, 5237), (281, 5252), (363, 5381), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: JetBlade_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for JetBlade_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Jevington_9 Start: 4426, Stop: 5907, Start Num: 108

Candidate Starts for Jevington_9:

(Start: 108 @4426 has 156 MA's), (Start: 166 @4543 has 2 MA's), (184, 4591), (187, 4603), (197, 4642), (237, 4756), (312, 4906), (346, 4948), (364, 4975), (447, 5104), (449, 5113), (461, 5155), (470, 5188), (477, 5206), (483, 5224), (486, 5233), (513, 5314), (527, 5350), (535, 5371), (547, 5422), (549, 5428), (607, 5608), (631, 5665), (661, 5755), (664, 5764), (747, 5893),

Gene: JewelBug_16 Start: 9285, Stop: 10748, Start Num: 74

Candidate Starts for JewelBug_16:

(Start: 74 @9285 has 530 MA's), (97, 9306), (129, 9345), (167, 9432), (171, 9444), (174, 9450), (288, 9732), (434, 9945), (452, 9996), (459, 10023), (461, 10029), (467, 10050), (608, 10416), (617, 10443), (621, 10452), (640, 10512), (662, 10569), (677, 10599), (685, 10629), (709, 10656),

Gene: Jiawan_13 Start: 9929, Stop: 11416, Start Num: 74

Candidate Starts for Jiawan_13:

(Start: 74 @9929 has 530 MA's), (129, 9992), (174, 10097), (197, 10166), (252, 10307), (271, 10346), (288, 10379), (301, 10412), (421, 10556), (452, 10640), (459, 10667), (461, 10673), (467, 10694), (477, 10724), (486, 10745), (501, 10769), (511, 10784), (601, 11039), (607, 11057), (617, 11087), (619, 11090), (621, 11096), (659, 11207), (662, 11213), (677, 11243), (685, 11273), (696, 11288), (706, 11297),

Gene: Job42_4 Start: 2198, Stop: 3619, Start Num: 108

Candidate Starts for Job42_4:

(Start: 108 @2198 has 156 MA's), (124, 2225), (131, 2237), (184, 2366), (188, 2384), (197, 2417), (231, 2486), (241, 2522), (246, 2543), (248, 2549), (271, 2573), (273, 2576), (308, 2651), (312, 2657), (323, 2684), (336, 2702), (366, 2744), (397, 2795), (406, 2813), (421, 2846), (424, 2855), (425, 2858), (447, 2906), (449, 2915), (457, 2945), (463, 2963), (473, 2996), (526, 3053), (550, 3137), (557, 3155), (565, 3182), (571, 3194), (573, 3197), (575, 3203), (576, 3218), (587, 3251), (628, 3356), (650, 3431), (652, 3437), (655, 3446), (660, 3455), (664, 3467), (693, 3530), (728, 3578),

Gene: Jobu08_14 Start: 8723, Stop: 10177, Start Num: 74

Candidate Starts for Jobu08_14:

(Start: 74 @8723 has 530 MA's), (Start: 114 @8753 has 8 MA's), (129, 8780), (174, 8885), (223, 8999), (242, 9065), (265, 9122), (301, 9200), (303, 9203), (421, 9344), (459, 9455), (461, 9461), (467, 9482), (544, 9647), (584, 9773), (601, 9827), (603, 9833), (608, 9848), (621, 9884), (649, 9971), (662, 10001), (677, 10031), (696, 10076), (706, 10085),

Gene: Jobypre_6 Start: 2756, Stop: 4399, Start Num: 84

Candidate Starts for Jobypre_6:

(Start: 84 @2756 has 64 MA's), (128, 2816), (189, 2966), (197, 2996), (231, 3068), (249, 3134), (278, 3182), (327, 3275), (372, 3314), (432, 3404), (437, 3413), (444, 3428), (528, 3617), (538, 3650), (548,

3689), (562, 3731), (628, 3914), (638, 3956), (647, 3983), (650, 3992), (677, 4052), (690, 4082), (698, 4091), (747, 4166), (762, 4199),

Gene: JoeDirt_5 Start: 2626, Stop: 4299, Start Num: 84

Candidate Starts for JoeDirt_5:

(Start: 84 @2626 has 64 MA's), (131, 2689), (150, 2743), (165, 2767), (189, 2836), (195, 2860), (231, 2938), (241, 2974), (286, 3067), (287, 3070), (327, 3145), (372, 3184), (421, 3247), (432, 3274), (433, 3277), (444, 3298), (450, 3319), (462, 3361), (463, 3364), (520, 3466), (526, 3481), (528, 3487), (552, 3568), (561, 3595), (562, 3601), (592, 3694), (600, 3721), (603, 3730), (628, 3784), (633, 3805), (638, 3826), (647, 3853), (650, 3862), (677, 3922), (690, 3952), (698, 3961), (762, 4069), (782, 4264),

Gene: Joemato_3 Start: 2269, Stop: 3645, Start Num: 104

Candidate Starts for Joemato_3:

(Start: 104 @2269 has 48 MA's), (Start: 166 @2389 has 2 MA's), (197, 2488), (216, 2527), (318, 2752), (412, 2845), (478, 3025), (558, 3193), (573, 3232), (579, 3262), (587, 3286), (647, 3460), (650, 3469), (710, 3580),

Gene: JohnDoe_3 Start: 2268, Stop: 3644, Start Num: 104

Candidate Starts for JohnDoe_3:

(Start: 104 @2268 has 48 MA's), (Start: 166 @2388 has 2 MA's), (197, 2487), (216, 2526), (318, 2751), (343, 2766), (412, 2844), (478, 3024), (558, 3192), (573, 3231), (579, 3261), (587, 3285), (647, 3459), (650, 3468), (710, 3579),

Gene: JoieB_37 Start: 12883, Stop: 14448, Start Num: 48

Candidate Starts for JoieB_37:

(Start: 48 @12883 has 17 MA's), (119, 13000), (172, 13120), (190, 13165), (192, 13174), (233, 13264), (245, 13312), (246, 13315), (277, 13357), (281, 13360), (289, 13384), (334, 13456), (337, 13459), (367, 13498), (384, 13519), (386, 13522), (424, 13567), (456, 13657), (458, 13666), (461, 13675), (474, 13717), (475, 13720), (488, 13759), (510, 13801), (512, 13807), (514, 13810), (532, 13855), (554, 13924), (584, 14023), (588, 14035), (622, 14134), (641, 14200), (651, 14221), (656, 14236), (706, 14329), (717, 14344),

Gene: Jolene_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Jolene_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Jolie2_3 Start: 1947, Stop: 3434, Start Num: 59

Candidate Starts for Jolie2_3:

(32, 1812), (33, 1818), (Start: 59 @1947 has 72 MA's), (117, 2013), (156, 2103), (184, 2157), (236, 2301), (238, 2307), (242, 2322), (281, 2388), (301, 2439), (307, 2448), (360, 2520), (422, 2586), (429, 2601), (461, 2700), (466, 2718), (474, 2742), (496, 2805), (534, 2877), (546, 2919), (554, 2940), (597, 3084), (601, 3096), (641, 3222), (662, 3273), (755, 3408),

Gene: Jonghyun_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Jonghyun_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154),

(662, 3205), (673, 3229),

Gene: JoongJeon_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for JoongJeon_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: JorRay_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for JorRay_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Jordennis_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for Jordennis_16:

(Start: 74 @9274 has 530 MA's), (97, 9295), (129, 9334), (167, 9421), (171, 9433), (174, 9439), (288, 9721), (434, 9934), (452, 9985), (459, 10012), (461, 10018), (467, 10039), (608, 10405), (617, 10432), (621, 10441), (640, 10501), (662, 10558), (677, 10588), (685, 10618), (709, 10645),

Gene: Jorgensen_12 Start: 8489, Stop: 9931, Start Num: 112

Candidate Starts for Jorgensen_12:

(64, 8423), (Start: 112 @8489 has 204 MA's), (195, 8687), (288, 8900), (421, 9095), (425, 9107), (459, 9206), (547, 9401), (561, 9440), (584, 9518), (586, 9524), (601, 9572), (605, 9584), (608, 9593), (639, 9683), (677, 9773), (687, 9806), (696, 9818),

Gene: Joselito_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Joselito_13:

(Start: 74 @9784 has 530 MA's), (120, 9829), (129, 9844), (174, 9949), (288, 10231), (301, 10264), (425, 10420), (452, 10492), (459, 10519), (461, 10525), (467, 10546), (486, 10597), (592, 10861), (601, 10891), (608, 10912), (612, 10927), (617, 10939), (621, 10948), (649, 11035), (662, 11065), (677, 11095), (685, 11125), (736, 11191),

Gene: JoshKayV_15 Start: 9626, Stop: 11101, Start Num: 74

Candidate Starts for JoshKayV_15:

(Start: 74 @9626 has 530 MA's), (129, 9686), (174, 9791), (246, 9989), (288, 10073), (301, 10106), (388, 10217), (452, 10334), (459, 10361), (461, 10367), (467, 10388), (468, 10394), (486, 10439), (601, 10733), (607, 10751), (608, 10754), (617, 10781), (621, 10790), (662, 10907), (677, 10937), (685, 10967), (760, 11078),

Gene: Journey13_11 Start: 8338, Stop: 9777, Start Num: 74

Candidate Starts for Journey13_11:

(Start: 74 @8338 has 530 MA's), (97, 8359), (129, 8398), (170, 8491), (174, 8503), (271, 8752), (288, 8785), (425, 8977), (452, 9049), (459, 9076), (461, 9082), (467, 9103), (501, 9178), (601, 9448), (608, 9469), (617, 9496), (621, 9505), (662, 9622), (677, 9652), (685, 9682), (706, 9706),

Gene: Jovo_10 Start: 8048, Stop: 9481, Start Num: 75

Candidate Starts for Jovo_10:

(Start: 75 @8048 has 72 MA's), (185, 8216), (188, 8231), (190, 8237), (252, 8405), (265, 8432), (301, 8510), (363, 8591), (424, 8663), (425, 8666), (452, 8738), (461, 8771), (467, 8792), (477, 8822), (501,

8867), (584, 9083), (601, 9137), (607, 9155), (621, 9194), (662, 9311), (677, 9341), (685, 9371), (706, 9395),

Gene: Joy99_9 Start: 2999, Stop: 4555, Start Num: 50

Candidate Starts for Joy99_9:

(31, 2897), (Start: 49 @2984 has 25 MA's), (Start: 50 @2999 has 160 MA's), (128, 3098), (131, 3107), (160, 3179), (Start: 166 @3188 has 2 MA's), (174, 3212), (186, 3245), (188, 3254), (197, 3287), (231, 3356), (237, 3377), (248, 3419), (288, 3485), (294, 3500), (333, 3575), (351, 3596), (385, 3650), (441, 3770), (452, 3803), (457, 3824), (464, 3845), (473, 3875), (517, 3908), (525, 3926), (541, 3986), (546, 4004), (550, 4016), (552, 4019), (556, 4031), (557, 4034), (573, 4070), (585, 4118), (601, 4169), (607, 4187), (640, 4283), (650, 4304), (661, 4331), (664, 4340), (681, 4376), (717, 4430),

Gene: Jsquared_12 Start: 8109, Stop: 9566, Start Num: 74

Candidate Starts for Jsquared_12:

(Start: 74 @8109 has 530 MA's), (97, 8130), (129, 8169), (174, 8274), (288, 8556), (301, 8589), (354, 8661), (425, 8745), (452, 8817), (459, 8844), (461, 8850), (467, 8871), (561, 9084), (593, 9189), (601, 9216), (608, 9237), (617, 9264), (621, 9273), (662, 9390), (677, 9420), (685, 9450), (706, 9474),

Gene: Jstan_3 Start: 2266, Stop: 3642, Start Num: 104

Candidate Starts for Jstan_3:

(Start: 104 @2266 has 48 MA's), (Start: 166 @2386 has 2 MA's), (197, 2485), (318, 2749), (478, 3022), (555, 3181), (573, 3229), (579, 3259), (587, 3283), (647, 3457), (710, 3577),

Gene: Jubie_6 Start: 2756, Stop: 4399, Start Num: 84

Candidate Starts for Jubie_6:

(Start: 84 @2756 has 64 MA's), (128, 2816), (189, 2966), (197, 2996), (231, 3068), (249, 3134), (278, 3182), (327, 3275), (372, 3314), (432, 3404), (437, 3413), (444, 3428), (528, 3617), (538, 3650), (548, 3689), (562, 3731), (628, 3914), (638, 3956), (647, 3983), (650, 3992), (677, 4052), (690, 4082), (698, 4091), (747, 4166), (762, 4199),

Gene: Judy_3 Start: 2383, Stop: 3744, Start Num: 100

Candidate Starts for Judy_3:

(Start: 100 @2383 has 21 MA's), (182, 2551), (187, 2569), (196, 2605), (223, 2653), (260, 2779), (293, 2860), (308, 2890), (363, 2965), (425, 3034), (458, 3124), (463, 3139), (552, 3331), (571, 3385), (609, 3505), (641, 3595), (689, 3709),

Gene: Juice456_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for Juice456_4:

(Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (366, 2746), (421, 2848), (425, 2860), (430, 2869), (444, 2899), (447, 2908), (457, 2947), (463, 2965), (464, 2968), (473, 2998), (526, 3055), (538, 3094), (550, 3139), (557, 3157), (565, 3184), (571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532), (728, 3580),

Gene: Juicebox_4 Start: 2953, Stop: 4350, Start Num: 86

Candidate Starts for Juicebox_4:

(Start: 86 @2953 has 5 MA's), (142, 3043), (157, 3079), (162, 3085), (181, 3130), (189, 3157), (231, 3253), (286, 3370), (330, 3475), (404, 3571), (418, 3601), (425, 3619), (433, 3637), (434, 3640), (478, 3775), (516, 3799), (561, 3934), (565, 3949), (650, 4204),

Gene: JuliaChild_14 Start: 9164, Stop: 10606, Start Num: 112

Candidate Starts for JuliaChild_14:

(64, 9098), (Start: 112 @9164 has 204 MA's), (195, 9362), (288, 9575), (421, 9770), (425, 9782), (459, 9881), (484, 9953), (547, 10076), (561, 10115), (584, 10193), (586, 10199), (601, 10247), (605, 10259), (608, 10268), (639, 10358), (677, 10448), (687, 10481), (696, 10493),

Gene: Juliette_10 Start: 3927, Stop: 5507, Start Num: 50

Candidate Starts for Juliette_10:

(Start: 49 @3912 has 25 MA's), (Start: 50 @3927 has 160 MA's), (60, 3951), (109, 4014), (160, 4122), (Start: 166 @4131 has 2 MA's), (186, 4188), (188, 4197), (189, 4200), (197, 4230), (231, 4299), (237, 4320), (246, 4356), (248, 4362), (271, 4386), (294, 4437), (315, 4476), (351, 4533), (399, 4611), (400, 4614), (404, 4620), (414, 4638), (424, 4665), (425, 4668), (441, 4701), (452, 4734), (457, 4755), (464, 4776), (517, 4839), (526, 4863), (535, 4887), (546, 4935), (550, 4947), (557, 4965), (571, 5004), (576, 5028), (603, 5112), (605, 5118), (607, 5124), (618, 5193), (628, 5217), (650, 5292), (661, 5319), (664, 5328), (681, 5364), (693, 5391), (704, 5403),

Gene: JuneStar_3 Start: 2262, Stop: 3800, Start Num: 101

Candidate Starts for JuneStar_3:

(Start: 101 @2262 has 12 MA's), (Start: 166 @2382 has 2 MA's), (197, 2481), (318, 2745), (478, 3018), (558, 3186), (573, 3225), (579, 3255), (587, 3279), (647, 3453), (664, 3498), (704, 3564), (749, 3642), (760, 3663), (770, 3714),

Gene: KADY_15 Start: 8738, Stop: 10192, Start Num: 74

Candidate Starts for KADY_15:

(Start: 74 @8738 has 530 MA's), (Start: 114 @8768 has 8 MA's), (129, 8795), (174, 8900), (223, 9014), (242, 9080), (265, 9137), (301, 9215), (303, 9218), (421, 9359), (459, 9470), (461, 9476), (467, 9497), (544, 9662), (584, 9788), (601, 9842), (603, 9848), (608, 9863), (621, 9899), (649, 9986), (662, 10016), (677, 10046), (696, 10091), (706, 10100),

Gene: KBG_13 Start: 9597, Stop: 11039, Start Num: 112

Candidate Starts for KBG_13:

(64, 9531), (Start: 112 @9597 has 204 MA's), (195, 9795), (288, 10008), (421, 10203), (459, 10314), (547, 10509), (561, 10548), (584, 10626), (586, 10632), (601, 10680), (605, 10692), (608, 10701), (639, 10791), (677, 10881), (687, 10914), (696, 10926),

Gene: KFPoly_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for KFPoly_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: KSSJEB_12 Start: 8502, Stop: 9944, Start Num: 112

Candidate Starts for KSSJEB_12:

(64, 8436), (Start: 112 @8502 has 204 MA's), (195, 8700), (288, 8913), (421, 9108), (422, 9111), (425, 9120), (459, 9219), (547, 9414), (561, 9453), (584, 9531), (586, 9537), (601, 9585), (605, 9597), (608, 9606), (621, 9639), (639, 9696), (677, 9786), (687, 9819), (696, 9831),

Gene: Kachowdy_12 Start: 8246, Stop: 9712, Start Num: 75

Candidate Starts for Kachowdy_12:

(Start: 75 @8246 has 72 MA's), (174, 8417), (204, 8501), (233, 8564), (242, 8597), (246, 8615), (265, 8654), (281, 8681), (300, 8729), (418, 8870), (422, 8879), (452, 8960), (458, 8984), (459, 8987), (461, 8993), (467, 9014), (544, 9191), (584, 9317), (585, 9320), (601, 9371), (603, 9377), (608, 9392), (617, 9422), (662, 9548), (677, 9578), (687, 9608),

Gene: Kahlid_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Kahlid_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Kaine_7 Start: 3895, Stop: 5328, Start Num: 108

Candidate Starts for Kaine_7:

(Start: 108 @3895 has 156 MA's), (Start: 166 @4012 has 2 MA's), (184, 4060), (187, 4072), (283, 4315), (325, 4402), (382, 4462), (398, 4480), (401, 4486), (449, 4585), (470, 4660), (477, 4678), (503, 4717), (520, 4753), (549, 4855), (601, 5017), (607, 5035), (631, 5092), (661, 5182), (680, 5224), (726, 5290), (747, 5314),

Gene: Kalb97_15 Start: 8724, Stop: 10178, Start Num: 74

Candidate Starts for Kalb97_15:

(Start: 74 @8724 has 530 MA's), (Start: 114 @8754 has 8 MA's), (129, 8781), (174, 8886), (223, 9000), (242, 9066), (265, 9123), (301, 9201), (303, 9204), (421, 9345), (459, 9456), (461, 9462), (467, 9483), (544, 9648), (584, 9774), (601, 9828), (603, 9834), (608, 9849), (621, 9885), (649, 9972), (662, 10002), (677, 10032), (696, 10077), (706, 10086),

Gene: Kalimba_3 Start: 2306, Stop: 3871, Start Num: 100

Candidate Starts for Kalimba_3:

(Start: 100 @2306 has 21 MA's), (Start: 166 @2432 has 2 MA's), (246, 2657), (266, 2693), (273, 2702), (318, 2795), (351, 2819), (421, 2924), (561, 3257), (565, 3272), (566, 3275), (647, 3515), (745, 3689), (775, 3803), (778, 3836),

Gene: Kalnoky_15 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Kalnoky_15:

(Start: 74 @8726 has 530 MA's), (Start: 114 @8756 has 8 MA's), (129, 8783), (174, 8888), (223, 9002), (242, 9068), (265, 9125), (301, 9203), (303, 9206), (421, 9347), (459, 9458), (461, 9464), (467, 9485), (511, 9575), (544, 9650), (584, 9776), (601, 9830), (603, 9836), (608, 9851), (621, 9887), (649, 9974), (662, 10004), (677, 10034), (696, 10079), (706, 10088),

Gene: Kalpine_16 Start: 10999, Stop: 12459, Start Num: 74

Candidate Starts for Kalpine_16:

(Start: 74 @10999 has 530 MA's), (129, 11059), (174, 11164), (288, 11446), (301, 11479), (422, 11626), (425, 11635), (452, 11707), (459, 11734), (461, 11740), (467, 11761), (486, 11812), (601, 12106), (607, 12124), (608, 12127), (612, 12142), (617, 12154), (621, 12163), (662, 12280), (677, 12310), (685, 12340), (706, 12364),

Gene: Kamaru_4 Start: 2189, Stop: 3625, Start Num: 73

Candidate Starts for Kamaru_4:

(Start: 73 @2189 has 29 MA's), (146, 2291), (168, 2342), (190, 2399), (192, 2408), (227, 2480), (241, 2534), (252, 2567), (281, 2603), (308, 2666), (410, 2774), (422, 2801), (427, 2813), (429, 2816), (450, 2876), (452, 2882), (465, 2927), (466, 2933), (475, 2960), (481, 2978), (492, 3011), (518, 3062), (534, 3092), (551, 3146), (561, 3176), (571, 3206), (607, 3329), (637, 3422), (640, 3437), (656, 3479), (665, 3500), (679, 3527), (694, 3560), (720, 3587),

Gene: Kampy_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for Kampy_12:

(Start: 74 @8579 has 530 MA's), (170, 8726), (174, 8738), (239, 8906), (246, 8936), (265, 8975), (276, 8993), (301, 9053), (414, 9182), (421, 9200), (425, 9212), (459, 9311), (461, 9317), (467, 9338), (468, 9344), (496, 9413), (528, 9473), (544, 9518), (584, 9644), (585, 9647), (601, 9698), (608, 9719), (617, 9749), (647, 9839), (662, 9875), (667, 9887), (677, 9905), (685, 9935),

Gene: Kanely_13 Start: 9274, Stop: 10716, Start Num: 112

Candidate Starts for Kanely_13:

(64, 9208), (Start: 112 @9274 has 204 MA's), (195, 9472), (288, 9685), (421, 9880), (422, 9883), (459, 9991), (484, 10063), (547, 10186), (561, 10225), (584, 10303), (586, 10309), (601, 10357), (605, 10369), (608, 10378), (639, 10468), (677, 10558), (687, 10591), (696, 10603),

Gene: Kareem_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Kareem_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Karkharias_3 Start: 2383, Stop: 3747, Start Num: 100

Candidate Starts for Karkharias_3:

(Start: 100 @2383 has 21 MA's), (182, 2551), (187, 2569), (196, 2605), (223, 2653), (260, 2779), (293, 2860), (308, 2890), (363, 2965), (425, 3034), (458, 3124), (463, 3139), (552, 3331), (571, 3385), (609, 3505), (640, 3589), (641, 3595), (718, 3739),

Gene: Kasen3_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Kasen3_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Katalie_8 Start: 4327, Stop: 5763, Start Num: 108

Candidate Starts for Katalie_8:

(Start: 96 @4318 has 3 MA's), (Start: 99 @4321 has 4 MA's), (Start: 108 @4327 has 156 MA's), (123, 4351), (136, 4375), (Start: 166 @4444 has 2 MA's), (184, 4492), (190, 4516), (197, 4543), (249, 4696), (312, 4810), (346, 4852), (355, 4864), (364, 4879), (401, 4918), (446, 5008), (449, 5020), (477, 5113), (520, 5191), (535, 5236), (549, 5293), (631, 5530), (747, 5749),

Gene: Katalie136_12 Start: 8587, Stop: 10038, Start Num: 74

Candidate Starts for Katalie136_12:

(Start: 74 @8587 has 530 MA's), (170, 8737), (174, 8749), (233, 8896), (239, 8917), (246, 8947), (265, 8986), (276, 9004), (281, 9013), (301, 9064), (414, 9193), (421, 9211), (440, 9256), (459, 9322), (461, 9328), (467, 9349), (468, 9355), (496, 9424), (528, 9484), (544, 9529), (584, 9655), (585, 9658), (601, 9709), (603, 9715), (607, 9727), (608, 9730), (617, 9757), (649, 9853), (662, 9883), (667, 9895), (677, 9913), (685, 9943),

Gene: KatherineG_15 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for KatherineG_15:

(Start: 74 @8502 has 530 MA's), (129, 8562), (174, 8667), (196, 8733), (271, 8916), (288, 8949), (301, 8982), (452, 9213), (459, 9240), (461, 9246), (467, 9267), (474, 9288), (486, 9318), (501, 9342), (544, 9432), (555, 9462), (584, 9558), (593, 9585), (601, 9612), (607, 9630), (608, 9633), (617, 9666), (621,

9675), (662, 9792), (677, 9822), (706, 9876),

Gene: KayGee_5 Start: 2579, Stop: 4012, Start Num: 115

Candidate Starts for KayGee_5:

(Start: 115 @2579 has 54 MA's), (133, 2603), (170, 2693), (190, 2747), (191, 2753), (213, 2789), (214, 2795), (228, 2825), (232, 2843), (247, 2900), (288, 2969), (301, 3002), (425, 3158), (446, 3209), (454, 3239), (461, 3263), (474, 3305), (499, 3374), (509, 3392), (530, 3440), (554, 3512), (607, 3683), (621, 3716), (640, 3776), (647, 3797), (662, 3830), (685, 3890), (687, 3893), (759, 4004),

Gene: KayMoney_3 Start: 2383, Stop: 3747, Start Num: 100

Candidate Starts for KayMoney_3:

(Start: 100 @2383 has 21 MA's), (182, 2551), (187, 2569), (196, 2605), (248, 2743), (260, 2779), (308, 2890), (324, 2920), (363, 2965), (381, 2986), (418, 3019), (446, 3082), (463, 3139), (539, 3298), (552, 3331), (571, 3385), (595, 3463), (601, 3487), (640, 3589), (641, 3595), (718, 3739),

Gene: Kaylissa_3 Start: 2269, Stop: 3645, Start Num: 104

Candidate Starts for Kaylissa_3:

(Start: 104 @2269 has 48 MA's), (Start: 166 @2389 has 2 MA's), (197, 2488), (216, 2527), (318, 2752), (412, 2845), (478, 3025), (558, 3193), (573, 3232), (579, 3262), (587, 3286), (647, 3460), (650, 3469), (710, 3580),

Gene: Kazan_16 Start: 9290, Stop: 10753, Start Num: 74

Candidate Starts for Kazan_16:

(Start: 74 @9290 has 530 MA's), (97, 9311), (129, 9350), (167, 9437), (171, 9449), (174, 9455), (288, 9737), (434, 9950), (452, 10001), (459, 10028), (461, 10034), (467, 10055), (608, 10421), (617, 10448), (621, 10457), (640, 10517), (662, 10574), (677, 10604), (685, 10634), (709, 10661),

Gene: KeAlii_3 Start: 2252, Stop: 3619, Start Num: 104

Candidate Starts for KeAlii_3:

(Start: 104 @2252 has 48 MA's), (160, 2363), (Start: 166 @2372 has 2 MA's), (197, 2471), (346, 2753), (478, 3008), (544, 3134), (579, 3242), (587, 3266), (647, 3440), (710, 3560),

Gene: Keelan_33 Start: 11198, Stop: 12622, Start Num: 114

Candidate Starts for Keelan_33:

(Start: 114 @11198 has 8 MA's), (134, 11237), (137, 11246), (155, 11294), (181, 11354), (231, 11480), (248, 11543), (286, 11594), (361, 11729), (406, 11795), (449, 11894), (546, 12104), (550, 12116), (590, 12239), (597, 12263), (599, 12269), (600, 12272), (655, 12416), (660, 12425), (661, 12428), (664, 12437), (706, 12509),

Gene: Keiki_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for Keiki_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (223, 2126), (227, 2135), (237, 2174), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (302, 2315), (304, 2318), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (389, 2414), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (499, 2657), (506, 2666), (534, 2708), (537, 2723), (547, 2753), (549, 2759), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (603, 2930), (608, 2945), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: Kenmech_15 Start: 9778, Stop: 11220, Start Num: 112

Candidate Starts for Kenmech_15:

(64, 9712), (Start: 112 @9778 has 204 MA's), (195, 9976), (288, 10189), (421, 10384), (425, 10396), (459, 10495), (547, 10690), (561, 10729), (584, 10807), (586, 10813), (601, 10861), (605, 10873), (608, 10882), (621, 10915), (639, 10972), (677, 11062), (687, 11095), (696, 11107),

Gene: Kenna_4 Start: 2191, Stop: 3627, Start Num: 73

Candidate Starts for Kenna_4:

(Start: 73 @2191 has 29 MA's), (123, 2245), (142, 2281), (146, 2293), (163, 2332), (165, 2335), (192, 2410), (227, 2482), (235, 2512), (241, 2536), (246, 2557), (281, 2605), (312, 2674), (344, 2716), (418, 2794), (427, 2815), (429, 2818), (450, 2878), (458, 2908), (459, 2911), (465, 2929), (466, 2935), (475, 2962), (481, 2980), (492, 3013), (528, 3079), (534, 3094), (551, 3148), (561, 3178), (571, 3208), (583, 3256), (597, 3301), (607, 3331), (637, 3424), (640, 3439), (665, 3502), (694, 3562), (720, 3589), (723, 3592),

Gene: Kerberos_16 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for Kerberos_16:

(Start: 74 @9159 has 530 MA's), (129, 9219), (170, 9312), (174, 9324), (288, 9606), (388, 9750), (424, 9792), (452, 9867), (459, 9894), (461, 9900), (467, 9921), (468, 9927), (601, 10266), (608, 10287), (617, 10314), (621, 10323), (649, 10410), (662, 10440), (677, 10470), (685, 10500), (706, 10524),

Gene: Keshu_8 Start: 2908, Stop: 4476, Start Num: 50

Candidate Starts for Keshu_8:

(37, 2875), (Start: 50 @2908 has 160 MA's), (128, 3013), (131, 3022), (137, 3037), (174, 3127), (186, 3160), (189, 3172), (197, 3202), (231, 3271), (237, 3292), (241, 3307), (248, 3334), (286, 3385), (288, 3394), (294, 3409), (333, 3484), (346, 3499), (351, 3505), (357, 3514), (366, 3529), (396, 3580), (425, 3646), (441, 3679), (444, 3685), (452, 3712), (457, 3733), (464, 3754), (473, 3784), (517, 3817), (525, 3835), (546, 3913), (550, 3925), (552, 3928), (557, 3943), (583, 4024), (585, 4030), (600, 4078), (607, 4099), (650, 4219), (661, 4246), (664, 4255), (681, 4291),

Gene: Keziacharles14_12 Start: 8061, Stop: 9545, Start Num: 74

Candidate Starts for Keziacharles14_12:

(Start: 74 @8061 has 530 MA's), (129, 8121), (141, 8145), (167, 8208), (174, 8226), (223, 8340), (252, 8436), (271, 8475), (288, 8508), (301, 8541), (421, 8685), (435, 8721), (440, 8730), (452, 8769), (459, 8796), (461, 8802), (467, 8823), (486, 8874), (501, 8898), (511, 8913), (547, 8997), (601, 9168), (607, 9186), (617, 9216), (621, 9225), (659, 9336), (662, 9342), (677, 9372), (696, 9417), (706, 9426),

Gene: KiSi_8 Start: 2917, Stop: 4461, Start Num: 50

Candidate Starts for KiSi_8:

(Start: 49 @2902 has 25 MA's), (Start: 50 @2917 has 160 MA's), (70, 2953), (92, 2971), (124, 3016), (131, 3028), (135, 3037), (Start: 166 @3109 has 2 MA's), (174, 3133), (181, 3151), (186, 3166), (188, 3175), (189, 3178), (237, 3298), (241, 3313), (247, 3337), (248, 3340), (294, 3418), (315, 3457), (333, 3493), (351, 3514), (376, 3553), (395, 3583), (399, 3598), (421, 3643), (424, 3652), (425, 3655), (441, 3688), (452, 3721), (457, 3742), (464, 3763), (473, 3793), (517, 3826), (525, 3844), (546, 3922), (550, 3934), (552, 3937), (556, 3949), (557, 3952), (600, 4084), (607, 4105), (628, 4147), (637, 4186), (639, 4198), (650, 4222), (660, 4246), (661, 4249), (664, 4258), (681, 4294), (735, 4381),

Gene: Killigrew_10 Start: 8139, Stop: 9581, Start Num: 112

Candidate Starts for Killigrew_10:

(64, 8073), (Start: 112 @8139 has 204 MA's), (195, 8337), (288, 8550), (291, 8562), (301, 8586), (421, 8745), (425, 8757), (459, 8856), (547, 9051), (561, 9090), (584, 9168), (586, 9174), (601, 9222), (605, 9234), (608, 9243), (621, 9276), (639, 9333), (677, 9423), (687, 9456), (696, 9468),

Gene: Kimberlium_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for Kimberlium_4:

(Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (366, 2746), (421, 2848), (425, 2860), (430, 2869), (444, 2899), (447, 2908), (457, 2947), (463, 2965), (464, 2968), (473, 2998), (526, 3055), (538, 3094), (550, 3139), (557, 3157), (565, 3184), (571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532), (728, 3580),

Gene: Kimona_9 Start: 6002, Stop: 7459, Start Num: 74

Candidate Starts for Kimona_9:

(Start: 74 @6002 has 530 MA's), (Start: 114 @6029 has 8 MA's), (170, 6149), (174, 6161), (233, 6308), (246, 6359), (281, 6425), (422, 6623), (435, 6656), (440, 6665), (452, 6704), (459, 6731), (461, 6737), (467, 6758), (477, 6788), (496, 6836), (544, 6941), (584, 7067), (585, 7070), (601, 7121), (607, 7139), (608, 7142), (621, 7178), (640, 7238), (647, 7259), (649, 7265), (662, 7295), (677, 7325), (694, 7364),

Gene: KingCyrus_15 Start: 9611, Stop: 11086, Start Num: 74

Candidate Starts for KingCyrus_15:

(Start: 74 @9611 has 530 MA's), (129, 9671), (174, 9776), (246, 9974), (288, 10058), (301, 10091), (388, 10202), (452, 10319), (459, 10346), (461, 10352), (467, 10373), (468, 10379), (486, 10424), (547, 10547), (601, 10718), (607, 10736), (608, 10739), (617, 10766), (621, 10775), (662, 10892), (677, 10922), (685, 10952), (706, 10976), (760, 11063),

Gene: Kingmustik0402_12 Start: 8570, Stop: 10021, Start Num: 74

Candidate Starts for Kingmustik0402_12:

(Start: 74 @8570 has 530 MA's), (170, 8717), (174, 8729), (239, 8897), (246, 8927), (265, 8966), (276, 8984), (301, 9044), (414, 9173), (421, 9191), (449, 9266), (459, 9302), (461, 9308), (467, 9329), (468, 9335), (496, 9404), (528, 9464), (544, 9509), (584, 9635), (585, 9638), (601, 9689), (608, 9710), (617, 9740), (647, 9830), (662, 9866), (677, 9896), (685, 9926),

Gene: Kingsley_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Kingsley_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Kingsolomon_6 Start: 2756, Stop: 4399, Start Num: 84

Candidate Starts for Kingsolomon_6:

(Start: 84 @2756 has 64 MA's), (128, 2816), (189, 2966), (197, 2996), (231, 3068), (249, 3134), (278, 3182), (327, 3275), (372, 3314), (432, 3404), (437, 3413), (444, 3428), (528, 3617), (538, 3650), (548, 3689), (562, 3731), (628, 3914), (638, 3956), (647, 3983), (650, 3992), (677, 4052), (690, 4082), (698, 4091), (747, 4166), (762, 4199),

Gene: Kinmap_12 Start: 9135, Stop: 10586, Start Num: 74

Candidate Starts for Kinmap_12:

(Start: 74 @9135 has 530 MA's), (129, 9195), (167, 9282), (174, 9300), (271, 9549), (288, 9582), (301, 9615), (425, 9771), (452, 9843), (459, 9870), (461, 9876), (467, 9897), (544, 10062), (545, 10065), (584, 10188), (601, 10242), (607, 10260), (608, 10263), (612, 10278), (617, 10290), (621, 10299), (659, 10410), (662, 10416), (677, 10446), (685, 10476), (706, 10500),

Gene: Kipper29_16 Start: 9284, Stop: 10747, Start Num: 74

Candidate Starts for Kipper29_16:

(Start: 74 @9284 has 530 MA's), (97, 9305), (129, 9344), (167, 9431), (171, 9443), (174, 9449), (288, 9731), (434, 9944), (452, 9995), (459, 10022), (461, 10028), (467, 10049), (608, 10415), (617, 10442), (621, 10451), (640, 10511), (662, 10568), (677, 10598), (685, 10628), (709, 10655),

Gene: KirDoubleO7_4 Start: 2768, Stop: 4411, Start Num: 84

Candidate Starts for KirDoubleO7_4:

(Start: 84 @2768 has 64 MA's), (128, 2828), (187, 2969), (189, 2978), (231, 3080), (278, 3194), (327, 3287), (372, 3326), (418, 3383), (421, 3389), (432, 3416), (437, 3425), (444, 3440), (528, 3629), (548, 3701), (562, 3743), (628, 3926), (638, 3968), (647, 3995), (650, 4004), (677, 4064), (690, 4094), (698, 4103), (747, 4178), (762, 4211),

Gene: KittenMittens_11 Start: 6470, Stop: 7930, Start Num: 74

Candidate Starts for KittenMittens_11:

(Start: 74 @6470 has 530 MA's), (Start: 114 @6497 has 8 MA's), (146, 6563), (170, 6617), (174, 6629), (179, 6638), (197, 6698), (233, 6776), (242, 6809), (246, 6827), (264, 6866), (266, 6869), (301, 6947), (418, 7085), (425, 7103), (459, 7202), (461, 7208), (467, 7229), (468, 7235), (477, 7259), (496, 7310), (544, 7415), (584, 7541), (585, 7544), (601, 7595), (603, 7601), (608, 7616), (617, 7646), (621, 7655), (647, 7736), (662, 7772), (677, 7802), (702, 7853), (705, 7856),

Gene: KleverKiS_15 Start: 6256, Stop: 7878, Start Num: 55

Candidate Starts for KleverKiS_15:

(Start: 55 @6256 has 21 MA's), (Start: 62 @6271 has 13 MA's), (135, 6379), (142, 6397), (165, 6445), (175, 6478), (181, 6490), (188, 6514), (195, 6541), (197, 6547), (231, 6619), (233, 6625), (241, 6655), (267, 6736), (271, 6742), (273, 6745), (283, 6763), (411, 6919), (421, 6937), (425, 6949), (447, 6997), (463, 7054), (464, 7057), (495, 7126), (533, 7180), (541, 7216), (558, 7267), (560, 7270), (571, 7300), (575, 7309), (593, 7375), (595, 7378), (600, 7399), (601, 7402), (623, 7453), (650, 7540), (709, 7651), (727, 7681), (747, 7717), (751, 7723), (757, 7738), (762, 7750), (777, 7834),

Gene: Koan_11 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Koan_11:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Koduck_13 Start: 8396, Stop: 9856, Start Num: 74

Candidate Starts for Koduck_13:

(Start: 74 @8396 has 530 MA's), (97, 8417), (129, 8456), (174, 8561), (288, 8843), (301, 8876), (354, 8948), (425, 9032), (452, 9104), (459, 9131), (460, 9134), (461, 9137), (467, 9158), (561, 9371), (593, 9476), (601, 9503), (608, 9524), (617, 9551), (621, 9560), (662, 9677), (677, 9707), (685, 9737), (696, 9752), (706, 9761),

Gene: Koko_16 Start: 9284, Stop: 10750, Start Num: 74

Candidate Starts for Koko_16:

(Start: 74 @9284 has 530 MA's), (97, 9305), (129, 9344), (167, 9431), (171, 9443), (174, 9449), (288, 9731), (315, 9785), (434, 9944), (452, 9995), (459, 10022), (461, 10028), (467, 10049), (561, 10262), (608, 10415), (612, 10430), (617, 10442), (621, 10451), (641, 10517), (649, 10538), (662, 10568), (677, 10598), (685, 10628),

Gene: Koreni_11 Start: 8227, Stop: 9678, Start Num: 74

Candidate Starts for Koreni_11:

(Start: 74 @8227 has 530 MA's), (170, 8374), (174, 8386), (239, 8554), (246, 8584), (265, 8623), (276, 8641), (301, 8701), (414, 8830), (421, 8848), (425, 8860), (459, 8959), (461, 8965), (467, 8986), (468,

8992), (496, 9061), (528, 9121), (544, 9166), (584, 9292), (585, 9295), (601, 9346), (603, 9352), (608, 9367), (617, 9397), (647, 9487), (662, 9523), (667, 9535), (677, 9553), (685, 9583),

Gene: Kratak_12 Start: 8573, Stop: 10024, Start Num: 74

Candidate Starts for Kratak_12:

(Start: 74 @8573 has 530 MA's), (174, 8732), (239, 8900), (246, 8930), (265, 8969), (276, 8987), (301, 9047), (414, 9176), (421, 9194), (459, 9305), (461, 9311), (467, 9332), (468, 9338), (496, 9407), (528, 9467), (544, 9512), (584, 9638), (585, 9641), (601, 9692), (603, 9698), (608, 9713), (617, 9743), (647, 9833), (662, 9869), (677, 9899), (685, 9929),

Gene: Kratio_6 Start: 2527, Stop: 4065, Start Num: 50

Candidate Starts for Kratio_6:

(Start: 50 @2527 has 160 MA's), (128, 2629), (131, 2638), (149, 2692), (186, 2776), (189, 2788), (197, 2818), (207, 2836), (231, 2887), (241, 2923), (247, 2947), (248, 2950), (287, 3004), (294, 3025), (333, 3100), (351, 3121), (370, 3151), (396, 3196), (421, 3250), (441, 3295), (452, 3328), (462, 3364), (464, 3370), (517, 3433), (525, 3451), (546, 3529), (550, 3541), (552, 3544), (557, 3559), (575, 3604), (576, 3619), (583, 3640), (585, 3646), (600, 3694), (601, 3697), (607, 3715), (637, 3796), (640, 3811), (650, 3832), (664, 3868), (681, 3904), (735, 3991),

Gene: Kraw_10 Start: 3922, Stop: 5508, Start Num: 50

Candidate Starts for Kraw_10:

(Start: 49 @3907 has 25 MA's), (Start: 50 @3922 has 160 MA's), (60, 3946), (109, 4012), (135, 4057), (Start: 166 @4129 has 2 MA's), (186, 4186), (188, 4195), (189, 4198), (197, 4228), (231, 4297), (237, 4318), (246, 4354), (248, 4360), (271, 4384), (288, 4420), (294, 4435), (315, 4474), (399, 4609), (404, 4618), (414, 4636), (424, 4663), (425, 4666), (441, 4699), (452, 4732), (457, 4753), (464, 4774), (517, 4837), (526, 4861), (535, 4885), (546, 4933), (550, 4945), (555, 4957), (557, 4963), (571, 5002), (605, 5116), (607, 5122), (650, 5293), (661, 5320), (664, 5329), (693, 5392), (704, 5404),

Gene: Kremtemulon_12 Start: 8623, Stop: 10077, Start Num: 74

Candidate Starts for Kremtemulon_12:

(Start: 74 @8623 has 530 MA's), (170, 8773), (174, 8785), (239, 8953), (246, 8983), (265, 9022), (276, 9040), (301, 9100), (414, 9229), (421, 9247), (459, 9358), (461, 9364), (467, 9385), (468, 9391), (496, 9460), (528, 9520), (544, 9565), (565, 9628), (584, 9691), (585, 9694), (601, 9745), (608, 9766), (617, 9796), (647, 9886), (662, 9922), (677, 9952), (685, 9982),

Gene: Krishelle_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Krishelle_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Kristoff_13 Start: 8553, Stop: 9998, Start Num: 74

Candidate Starts for Kristoff_13:

(Start: 74 @8553 has 530 MA's), (174, 8712), (233, 8859), (236, 8871), (242, 8892), (246, 8910), (248, 8916), (264, 8949), (301, 9030), (308, 9042), (418, 9168), (425, 9186), (452, 9258), (459, 9285), (461, 9291), (466, 9309), (467, 9312), (544, 9492), (584, 9618), (585, 9621), (601, 9672), (603, 9678), (608, 9693), (617, 9723), (621, 9732), (647, 9813), (662, 9849), (677, 9879), (702, 9930), (705, 9933),

Gene: Kromp_3 Start: 2437, Stop: 3882, Start Num: 96

Candidate Starts for Kromp_3:

(Start: 96 @2437 has 3 MA's), (165, 2551), (170, 2563), (177, 2587), (188, 2617), (189, 2620), (242, 2761), (243, 2764), (308, 2890), (360, 2962), (435, 3073), (461, 3151), (462, 3154), (463, 3157), (473,

3190), (499, 3247), (561, 3397), (601, 3529), (617, 3574), (635, 3619), (640, 3643), (650, 3667), (677, 3724), (691, 3757), (694, 3760), (716, 3784), (744, 3841), (752, 3859),

Gene: Kropertea_5 Start: 2328, Stop: 3965, Start Num: 87

Candidate Starts for Kropertea_5:

(Start: 87 @2328 has 9 MA's), (137, 2403), (189, 2535), (197, 2565), (231, 2637), (248, 2700), (278, 2751), (327, 2844), (345, 2850), (372, 2883), (407, 2916), (418, 2940), (421, 2946), (430, 2967), (432, 2973), (433, 2976), (444, 2997), (463, 3063), (520, 3165), (528, 3186), (561, 3294), (562, 3300), (592, 3393), (600, 3420), (628, 3483), (647, 3552), (648, 3555), (650, 3561), (677, 3621), (690, 3651), (698, 3660), (704, 3666), (757, 3756), (762, 3768), (776, 3846), (781, 3897),

Gene: Krueger_8 Start: 2958, Stop: 4505, Start Num: 50

Candidate Starts for Krueger_8:

(28, 2826), (31, 2853), (Start: 49 @2943 has 25 MA's), (Start: 50 @2958 has 160 MA's), (131, 3063), (Start: 166 @3144 has 2 MA's), (174, 3168), (188, 3210), (231, 3312), (237, 3333), (241, 3348), (248, 3375), (294, 3453), (315, 3492), (351, 3549), (395, 3618), (404, 3642), (421, 3678), (425, 3690), (441, 3723), (452, 3756), (457, 3777), (464, 3798), (473, 3828), (517, 3861), (525, 3879), (550, 3969), (552, 3972), (557, 3987), (573, 4023), (575, 4029), (585, 4071), (601, 4122), (607, 4140), (639, 4233), (640, 4236), (660, 4281), (661, 4284), (664, 4293),

Gene: Krypton555_6 Start: 2751, Stop: 4391, Start Num: 84

Candidate Starts for Krypton555_6:

(Start: 84 @2751 has 64 MA's), (128, 2811), (189, 2961), (197, 2991), (231, 3063), (249, 3129), (278, 3177), (327, 3270), (372, 3309), (418, 3366), (432, 3399), (437, 3408), (444, 3423), (528, 3612), (548, 3684), (562, 3726), (628, 3909), (647, 3978), (650, 3987), (677, 4047), (690, 4077), (698, 4086), (747, 4161), (762, 4194),

Gene: Kubed_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for Kubed_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (223, 2126), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (304, 2318), (306, 2321), (317, 2345), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (408, 2420), (417, 2438), (418, 2441), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (477, 2615), (495, 2648), (496, 2651), (499, 2657), (506, 2666), (534, 2708), (537, 2723), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (621, 2984), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: Kudetre_13 Start: 6422, Stop: 7918, Start Num: 59

Candidate Starts for Kudetre_13:

(Start: 59 @6422 has 72 MA's), (88, 6464), (90, 6467), (131, 6533), (195, 6704), (227, 6764), (231, 6782), (273, 6890), (278, 6899), (286, 6914), (288, 6923), (308, 6965), (407, 7061), (421, 7091), (433, 7121), (437, 7127), (462, 7205), (516, 7295), (526, 7316), (564, 7442), (565, 7445), (576, 7481), (587, 7514), (601, 7559), (603, 7565), (622, 7607), (623, 7610), (628, 7619), (631, 7634), (639, 7670), (641, 7679), (643, 7685), (648, 7691), (655, 7712), (660, 7721), (682, 7772), (690, 7787), (695, 7793), (709, 7808),

Gene: Kugel_13 Start: 8737, Stop: 10203, Start Num: 75

Candidate Starts for Kugel_13:

(Start: 75 @8737 has 72 MA's), (174, 8887), (252, 9127), (281, 9181), (291, 9211), (301, 9232), (363, 9313), (421, 9376), (459, 9487), (461, 9493), (467, 9514), (501, 9589), (511, 9604), (565, 9745), (601, 9862), (607, 9880), (621, 9919), (662, 10036), (677, 10066), (681, 10078),

Gene: Kumao_14 Start: 5842, Stop: 7305, Start Num: 55

Candidate Starts for Kumao_14:

(54, 5839), (Start: 55 @5842 has 21 MA's), (Start: 108 @5920 has 156 MA's), (131, 5959), (133, 5962), (165, 6034), (175, 6067), (181, 6079), (187, 6097), (189, 6106), (197, 6136), (231, 6205), (237, 6226), (251, 6280), (271, 6307), (273, 6310), (422, 6499), (452, 6574), (464, 6616), (564, 6847), (573, 6862), (584, 6907), (593, 6934), (595, 6937), (637, 7060), (642, 7084), (709, 7210),

Gene: Kuwabara_3 Start: 2144, Stop: 3622, Start Num: 62

Candidate Starts for Kuwabara_3:

(Start: 62 @2144 has 13 MA's), (92, 2177), (Start: 100 @2186 has 21 MA's), (129, 2225), (140, 2246), (141, 2249), (142, 2252), (174, 2330), (180, 2342), (185, 2354), (190, 2375), (226, 2441), (269, 2561), (277, 2567), (281, 2573), (289, 2597), (308, 2636), (363, 2705), (371, 2717), (391, 2735), (408, 2738), (418, 2759), (422, 2768), (429, 2783), (430, 2786), (440, 2810), (456, 2864), (461, 2882), (475, 2927), (486, 2954), (491, 2972), (532, 3065), (554, 3134), (568, 3179), (584, 3233), (596, 3269), (607, 3305), (621, 3344), (628, 3350), (647, 3425), (648, 3428), (656, 3446), (730, 3569),

Gene: KyMonks1A_14 Start: 9008, Stop: 10450, Start Num: 112

Candidate Starts for KyMonks1A_14:

(64, 8942), (Start: 112 @9008 has 204 MA's), (195, 9206), (288, 9419), (421, 9614), (459, 9725), (547, 9920), (561, 9959), (584, 10037), (586, 10043), (601, 10091), (605, 10103), (608, 10112), (639, 10202), (677, 10292), (687, 10325), (696, 10337),

Gene: Kyee_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for Kyee_12:

(Start: 74 @8579 has 530 MA's), (170, 8726), (174, 8738), (239, 8906), (246, 8936), (265, 8975), (276, 8993), (301, 9053), (414, 9182), (421, 9200), (459, 9311), (461, 9317), (467, 9338), (468, 9344), (496, 9413), (528, 9473), (544, 9518), (584, 9644), (585, 9647), (601, 9698), (608, 9719), (617, 9749), (647, 9839), (662, 9875), (677, 9905), (685, 9935),

Gene: Kykar_10 Start: 8234, Stop: 9700, Start Num: 75

Candidate Starts for Kykar_10:

(Start: 75 @8234 has 72 MA's), (174, 8384), (252, 8624), (281, 8678), (291, 8708), (301, 8729), (363, 8810), (421, 8873), (459, 8984), (461, 8990), (467, 9011), (501, 9086), (511, 9101), (565, 9242), (601, 9359), (607, 9377), (621, 9416), (662, 9533), (677, 9563), (681, 9575),

Gene: L5_14 Start: 8404, Stop: 9864, Start Num: 74

Candidate Starts for L5_14:

(Start: 74 @8404 has 530 MA's), (97, 8425), (129, 8464), (174, 8569), (288, 8851), (301, 8884), (354, 8956), (425, 9040), (452, 9112), (459, 9139), (460, 9142), (461, 9145), (467, 9166), (561, 9379), (593, 9484), (601, 9511), (608, 9532), (617, 9559), (621, 9568), (662, 9685), (677, 9715), (685, 9745), (696, 9760), (706, 9769),

Gene: LBerry_14 Start: 8654, Stop: 10108, Start Num: 74

Candidate Starts for LBerry_14:

(Start: 74 @8654 has 530 MA's), (Start: 114 @8684 has 8 MA's), (129, 8711), (174, 8816), (223, 8930), (242, 8996), (265, 9053), (301, 9131), (303, 9134), (421, 9275), (459, 9386), (461, 9392), (467, 9413), (544, 9578), (584, 9704), (601, 9758), (603, 9764), (608, 9779), (621, 9815), (649, 9902), (662, 9932), (677, 9962), (696, 10007), (706, 10016),

Gene: LHTSCC_12 Start: 8555, Stop: 10006, Start Num: 74

Candidate Starts for LHTSCC_12:

(Start: 74 @8555 has 530 MA's), (174, 8714), (239, 8882), (246, 8912), (265, 8951), (276, 8969), (301, 9029), (414, 9158), (421, 9176), (459, 9287), (461, 9293), (467, 9314), (468, 9320), (496, 9389), (528,

9449), (584, 9620), (585, 9623), (601, 9674), (603, 9680), (608, 9695), (617, 9725), (647, 9815), (662, 9851), (667, 9863), (677, 9881), (685, 9911),

Gene: LadyAstra_3 Start: 2290, Stop: 3654, Start Num: 100

Candidate Starts for LadyAstra_3:

(Start: 100 @2290 has 21 MA's), (160, 2404), (Start: 166 @2413 has 2 MA's), (450, 2956), (458, 2986), (544, 3175), (573, 3253), (641, 3472), (647, 3481), (681, 3559),

Gene: LadyBird_13 Start: 9194, Stop: 10654, Start Num: 74

Candidate Starts for LadyBird_13:

(Start: 74 @9194 has 530 MA's), (129, 9254), (174, 9359), (246, 9557), (288, 9641), (301, 9674), (388, 9785), (452, 9902), (459, 9929), (461, 9935), (467, 9956), (468, 9962), (486, 10007), (601, 10301), (607, 10319), (608, 10322), (617, 10349), (621, 10358), (662, 10475), (677, 10505), (685, 10535), (706, 10559),

Gene: Lambert1_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Lambert1_13:

(Start: 74 @8738 has 530 MA's), (117, 8777), (174, 8903), (204, 8987), (233, 9050), (242, 9083), (246, 9101), (265, 9140), (281, 9167), (301, 9218), (414, 9344), (418, 9356), (424, 9371), (425, 9374), (452, 9446), (459, 9473), (461, 9479), (467, 9500), (468, 9506), (477, 9530), (496, 9572), (544, 9677), (584, 9803), (585, 9806), (601, 9857), (603, 9863), (608, 9878), (617, 9908), (662, 10034), (677, 10064), (687, 10094),

Gene: Lamina13_12 Start: 8284, Stop: 9726, Start Num: 112

Candidate Starts for Lamina13_12:

(64, 8218), (Start: 112 @8284 has 204 MA's), (195, 8482), (288, 8695), (421, 8890), (425, 8902), (459, 9001), (547, 9196), (561, 9235), (584, 9313), (586, 9319), (601, 9367), (605, 9379), (608, 9388), (639, 9478), (677, 9568), (687, 9601), (696, 9613),

Gene: Landor_14 Start: 10977, Stop: 12431, Start Num: 74

Candidate Starts for Landor_14:

(Start: 74 @10977 has 530 MA's), (129, 11037), (174, 11142), (223, 11256), (252, 11352), (281, 11406), (288, 11424), (452, 11685), (459, 11712), (460, 11715), (461, 11718), (467, 11739), (486, 11790), (601, 12084), (607, 12102), (617, 12132), (621, 12141), (640, 12201), (649, 12228), (662, 12258), (677, 12288), (685, 12318), (706, 12342),

Gene: Lannister_8 Start: 4063, Stop: 5496, Start Num: 108

Candidate Starts for Lannister_8:

(Start: 96 @4054 has 3 MA's), (Start: 99 @4057 has 4 MA's), (Start: 108 @4063 has 156 MA's), (Start: 166 @4180 has 2 MA's), (184, 4228), (197, 4279), (249, 4432), (312, 4546), (346, 4588), (364, 4615), (446, 4741), (449, 4753), (477, 4846), (520, 4924), (535, 4969), (549, 5026), (631, 5263), (747, 5482),

Gene: LappelDuVide_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for LappelDuVide_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Larenn_14 Start: 9490, Stop: 10953, Start Num: 74

Candidate Starts for Larenn_14:

(Start: 74 @9490 has 530 MA's), (129, 9550), (170, 9643), (174, 9655), (288, 9937), (422, 10117), (425, 10126), (452, 10198), (459, 10225), (461, 10231), (467, 10252), (565, 10480), (601, 10597),

(607, 10615), (608, 10618), (617, 10645), (621, 10654), (662, 10771), (677, 10801), (685, 10831), (706, 10855),

Gene: LarryKay_14 Start: 8740, Stop: 10194, Start Num: 74

Candidate Starts for LarryKay_14:

(Start: 74 @8740 has 530 MA's), (Start: 114 @8770 has 8 MA's), (129, 8797), (174, 8902), (223, 9016), (242, 9082), (265, 9139), (301, 9217), (303, 9220), (421, 9361), (459, 9472), (461, 9478), (467, 9499), (544, 9664), (584, 9790), (601, 9844), (603, 9850), (608, 9865), (621, 9901), (649, 9988), (662, 10018), (677, 10048), (696, 10093), (706, 10102),

Gene: Larva_7 Start: 2529, Stop: 4067, Start Num: 50

Candidate Starts for Larva_7:

(Start: 50 @2529 has 160 MA's), (128, 2631), (131, 2640), (149, 2694), (186, 2778), (189, 2790), (197, 2820), (207, 2838), (231, 2889), (241, 2925), (247, 2949), (248, 2952), (287, 3006), (294, 3027), (333, 3102), (351, 3123), (370, 3153), (396, 3198), (421, 3252), (441, 3297), (452, 3330), (462, 3366), (464, 3372), (517, 3435), (525, 3453), (546, 3531), (550, 3543), (552, 3546), (557, 3561), (575, 3606), (576, 3621), (583, 3642), (585, 3648), (600, 3696), (601, 3699), (607, 3717), (612, 3732), (637, 3798), (640, 3813), (650, 3834), (664, 3870), (681, 3906), (735, 3993),

Gene: LastHope_9 Start: 3053, Stop: 4603, Start Num: 50

Candidate Starts for LastHope_9:

(Start: 49 @3038 has 25 MA's), (Start: 50 @3053 has 160 MA's), (128, 3149), (131, 3158), (143, 3188), (Start: 166 @3239 has 2 MA's), (174, 3263), (186, 3296), (188, 3305), (231, 3407), (237, 3428), (241, 3443), (246, 3464), (288, 3533), (294, 3548), (315, 3587), (351, 3644), (357, 3653), (425, 3785), (441, 3818), (452, 3851), (457, 3872), (464, 3893), (473, 3923), (525, 3974), (546, 4052), (547, 4055), (550, 4064), (552, 4067), (556, 4079), (557, 4082), (561, 4094), (573, 4118), (607, 4235), (639, 4328), (640, 4331), (650, 4352), (660, 4376), (661, 4379), (664, 4388), (704, 4463), (720, 4484), (735, 4511),

Gene: LastResort_15 Start: 8380, Stop: 9840, Start Num: 74

Candidate Starts for LastResort_15:

(Start: 74 @8380 has 530 MA's), (129, 8440), (174, 8545), (196, 8611), (271, 8794), (288, 8827), (301, 8860), (452, 9091), (459, 9118), (461, 9124), (467, 9145), (474, 9166), (486, 9196), (501, 9220), (544, 9310), (555, 9340), (584, 9436), (593, 9463), (601, 9490), (607, 9508), (608, 9511), (617, 9544), (621, 9553), (662, 9670), (677, 9700), (706, 9754),

Gene: LaterM_9 Start: 3001, Stop: 4554, Start Num: 50

Candidate Starts for LaterM_9:

(23, 2758), (28, 2872), (31, 2899), (Start: 49 @2986 has 25 MA's), (Start: 50 @3001 has 160 MA's), (128, 3103), (131, 3112), (Start: 166 @3193 has 2 MA's), (174, 3217), (186, 3250), (188, 3259), (197, 3292), (231, 3361), (237, 3382), (248, 3424), (288, 3487), (294, 3502), (333, 3577), (351, 3598), (370, 3628), (425, 3739), (441, 3772), (452, 3805), (464, 3847), (473, 3877), (517, 3910), (525, 3928), (546, 4006), (550, 4018), (552, 4021), (556, 4033), (557, 4036), (573, 4072), (585, 4120), (607, 4189), (622, 4219), (640, 4285), (650, 4306), (661, 4333), (664, 4342), (681, 4378), (717, 4432),

Gene: Lauchelly_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for Lauchelly_3:

(Start: 106 @1886 has 46 MA's), (113, 1892), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (185, 2045), (190, 2066), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (302, 2315), (304, 2318), (317, 2345), (338, 2363), (348, 2375), (366, 2387), (425, 2459), (430, 2468), (463, 2570), (495, 2648), (496, 2651), (499, 2657), (506, 2666), (534, 2708), (547, 2753), (549, 2759), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (603, 2930), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (673, 3122), (679, 3134), (689, 3164), (705, 3173),

Gene: Lauer_4 Start: 2631, Stop: 4064, Start Num: 115

Candidate Starts for Lauer_4:

(Start: 115 @2631 has 54 MA's), (133, 2655), (141, 2676), (190, 2799), (191, 2805), (213, 2841), (228, 2877), (232, 2895), (241, 2928), (247, 2952), (288, 3021), (301, 3054), (425, 3210), (446, 3261), (454, 3291), (461, 3315), (474, 3357), (499, 3426), (509, 3444), (530, 3492), (554, 3564), (607, 3735), (621, 3768), (640, 3828), (647, 3849), (662, 3882), (685, 3942), (687, 3945), (759, 4056),

Gene: Lawnathon_4 Start: 2276, Stop: 3613, Start Num: 111

Candidate Starts for Lawnathon_4:

(44, 2153), (46, 2156), (54, 2195), (Start: 55 @2198 has 21 MA's), (Start: 96 @2264 has 3 MA's), (Start: 111 @2276 has 22 MA's), (136, 2318), (138, 2324), (165, 2387), (170, 2399), (231, 2558), (277, 2657), (301, 2714), (328, 2762), (344, 2777), (377, 2822), (418, 2858), (430, 2885), (457, 2966), (461, 2978), (462, 2981), (468, 3005), (485, 3047), (547, 3173), (565, 3227), (584, 3290), (587, 3299), (600, 3341), (604, 3353), (619, 3392), (635, 3434), (640, 3458), (677, 3539), (678, 3542), (681, 3548), (716, 3599),

Gene: LeBron_5 Start: 2626, Stop: 4299, Start Num: 84

Candidate Starts for LeBron_5:

(Start: 84 @2626 has 64 MA's), (131, 2689), (150, 2743), (165, 2767), (189, 2836), (195, 2860), (231, 2938), (241, 2974), (286, 3067), (287, 3070), (327, 3145), (372, 3184), (421, 3247), (432, 3274), (433, 3277), (444, 3298), (450, 3319), (462, 3361), (463, 3364), (520, 3466), (526, 3481), (528, 3487), (552, 3568), (561, 3595), (562, 3601), (592, 3694), (600, 3721), (603, 3730), (628, 3784), (633, 3805), (638, 3826), (647, 3853), (650, 3862), (677, 3922), (690, 3952), (698, 3961), (762, 4069), (782, 4264),

Gene: LeMond_8 Start: 2917, Stop: 4461, Start Num: 50

Candidate Starts for LeMond_8:

(31, 2812), (Start: 49 @2902 has 25 MA's), (Start: 50 @2917 has 160 MA's), (70, 2953), (92, 2971), (124, 3016), (131, 3028), (135, 3037), (Start: 166 @3109 has 2 MA's), (174, 3133), (181, 3151), (186, 3166), (188, 3175), (237, 3298), (241, 3313), (247, 3337), (248, 3340), (294, 3418), (315, 3457), (333, 3493), (351, 3514), (376, 3553), (399, 3598), (421, 3643), (424, 3652), (441, 3688), (452, 3721), (457, 3742), (464, 3763), (473, 3793), (517, 3826), (525, 3844), (546, 3922), (550, 3934), (552, 3937), (556, 3949), (557, 3952), (600, 4084), (601, 4087), (607, 4105), (628, 4147), (637, 4186), (639, 4198), (650, 4222), (660, 4246), (661, 4249), (664, 4258), (681, 4294), (735, 4381),

Gene: Lea83_9 Start: 2923, Stop: 4488, Start Num: 50

Candidate Starts for Lea83_9:

(37, 2890), (Start: 50 @2923 has 160 MA's), (128, 3028), (131, 3037), (137, 3052), (174, 3142), (186, 3175), (189, 3187), (197, 3217), (231, 3286), (241, 3322), (248, 3349), (286, 3400), (288, 3409), (294, 3424), (333, 3499), (346, 3514), (351, 3520), (357, 3529), (366, 3544), (396, 3595), (425, 3661), (441, 3694), (444, 3700), (452, 3727), (457, 3748), (464, 3769), (517, 3832), (525, 3850), (546, 3928), (550, 3940), (552, 3943), (557, 3958), (583, 4039), (585, 4045), (600, 4093), (607, 4114), (650, 4231), (661, 4258), (664, 4267), (681, 4303),

Gene: Lebo14_10 Start: 3935, Stop: 5521, Start Num: 50

Candidate Starts for Lebo14_10:

(Start: 49 @3920 has 25 MA's), (Start: 50 @3935 has 160 MA's), (60, 3959), (109, 4025), (135, 4070), (Start: 166 @4142 has 2 MA's), (186, 4199), (188, 4208), (189, 4211), (197, 4241), (231, 4310), (237, 4331), (246, 4367), (248, 4373), (271, 4397), (288, 4433), (294, 4448), (315, 4487), (399, 4622), (404, 4631), (414, 4649), (424, 4676), (425, 4679), (441, 4712), (452, 4745), (457, 4766), (464, 4787), (517, 4850), (526, 4874), (535, 4898), (546, 4946), (550, 4958), (555, 4970), (557, 4976), (571, 5015), (605, 5129), (607, 5135), (650, 5306), (661, 5333), (664, 5342), (693, 5405), (704, 5417),

Gene: Legacy_7 Start: 4061, Stop: 5503, Start Num: 108

Candidate Starts for Legacy_7:

(Start: 96 @4052 has 3 MA's), (Start: 99 @4055 has 4 MA's), (Start: 108 @4061 has 156 MA's), (Start: 166 @4178 has 2 MA's), (184, 4226), (312, 4544), (346, 4586), (364, 4613), (398, 4646), (446, 4739), (449, 4751), (477, 4844), (520, 4922), (535, 4967), (549, 5024), (558, 5048), (631, 5261), (747, 5489),

Gene: Lego_3 Start: 2269, Stop: 3645, Start Num: 104

Candidate Starts for Lego_3:

(Start: 104 @2269 has 48 MA's), (Start: 166 @2389 has 2 MA's), (197, 2488), (216, 2527), (318, 2752), (412, 2845), (478, 3025), (558, 3193), (573, 3232), (579, 3262), (587, 3286), (647, 3460), (650, 3469), (710, 3580),

Gene: Lemur_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Lemur_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Lemuria_3 Start: 1956, Stop: 3443, Start Num: 59

Candidate Starts for Lemuria_3:

(32, 1821), (Start: 59 @1956 has 72 MA's), (148, 2091), (184, 2166), (238, 2316), (242, 2331), (301, 2448), (307, 2457), (429, 2607), (440, 2634), (459, 2700), (461, 2706), (466, 2724), (496, 2811), (506, 2826), (534, 2883), (546, 2925), (554, 2946), (577, 3027), (597, 3090), (601, 3102), (641, 3228),

Gene: LeoAvram_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for LeoAvram_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Leogania_15 Start: 11359, Stop: 12822, Start Num: 74

Candidate Starts for Leogania_15:

(Start: 74 @11359 has 530 MA's), (129, 11419), (174, 11524), (246, 11722), (288, 11806), (301, 11839), (452, 12067), (459, 12094), (461, 12100), (467, 12121), (468, 12127), (486, 12172), (601, 12466), (607, 12484), (608, 12487), (617, 12514), (621, 12523), (662, 12640), (677, 12670), (685, 12700), (706, 12724),

Gene: Leozinho_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Leozinho_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Leroy_4 Start: 2192, Stop: 3628, Start Num: 73

Candidate Starts for Leroy_4:

(Start: 73 @2192 has 29 MA's), (142, 2282), (163, 2333), (165, 2336), (201, 2441), (227, 2483), (235, 2513), (241, 2537), (252, 2570), (410, 2777), (450, 2879), (452, 2885), (458, 2909), (465, 2930), (466, 2936), (475, 2963), (481, 2981), (492, 3014), (518, 3065), (534, 3095), (551, 3149), (561, 3179), (571,

3209), (607, 3332), (637, 3425), (640, 3440), (665, 3503), (694, 3563), (720, 3590),

Gene: Lesedi_11 Start: 8443, Stop: 9885, Start Num: 112

Candidate Starts for Lesedi_11:

(64, 8377), (Start: 112 @8443 has 204 MA's), (195, 8641), (288, 8854), (421, 9049), (425, 9061), (459, 9160), (484, 9232), (547, 9355), (561, 9394), (584, 9472), (586, 9478), (601, 9526), (605, 9538), (608, 9547), (639, 9637), (677, 9727), (687, 9760), (696, 9772),

Gene: Leston_7 Start: 2791, Stop: 4326, Start Num: 50

Candidate Starts for Leston_7:

(Start: 50 @2791 has 160 MA's), (109, 2863), (131, 2899), (135, 2908), (149, 2953), (186, 3037), (189, 3049), (197, 3079), (207, 3097), (231, 3148), (241, 3184), (248, 3211), (286, 3262), (287, 3265), (288, 3271), (294, 3286), (297, 3289), (333, 3361), (351, 3382), (370, 3412), (396, 3457), (421, 3511), (441, 3556), (452, 3589), (462, 3625), (463, 3628), (464, 3631), (517, 3694), (525, 3712), (526, 3718), (546, 3790), (550, 3802), (552, 3805), (557, 3820), (575, 3865), (576, 3880), (583, 3901), (600, 3955), (601, 3958), (607, 3976), (612, 3991), (637, 4057), (640, 4072), (650, 4093), (664, 4129), (681, 4165), (735, 4252),

Gene: Lev2_10 Start: 7756, Stop: 9189, Start Num: 75

Candidate Starts for Lev2_10:

(Start: 75 @7756 has 72 MA's), (185, 7924), (188, 7939), (190, 7945), (252, 8113), (265, 8140), (301, 8218), (363, 8299), (424, 8371), (425, 8374), (452, 8446), (461, 8479), (467, 8500), (477, 8530), (501, 8575), (584, 8791), (601, 8845), (607, 8863), (621, 8902), (662, 9019), (677, 9049), (685, 9079), (706, 9103),

Gene: Levia_11 Start: 9471, Stop: 10913, Start Num: 112

Candidate Starts for Levia_11:

(64, 9405), (Start: 112 @9471 has 204 MA's), (195, 9669), (288, 9882), (421, 10077), (425, 10089), (459, 10188), (547, 10383), (561, 10422), (584, 10500), (586, 10506), (601, 10554), (605, 10566), (608, 10575), (621, 10608), (639, 10665), (677, 10755), (687, 10788), (696, 10800),

Gene: Leviathan_15 Start: 9667, Stop: 11127, Start Num: 74

Candidate Starts for Leviathan_15:

(Start: 74 @9667 has 530 MA's), (129, 9727), (174, 9832), (246, 10030), (288, 10114), (301, 10147), (421, 10291), (452, 10375), (459, 10402), (461, 10408), (467, 10429), (468, 10435), (486, 10480), (601, 10774), (607, 10792), (608, 10795), (617, 10822), (621, 10831), (662, 10948), (677, 10978), (685, 11008), (706, 11032),

Gene: Leviosa_3 Start: 1888, Stop: 3213, Start Num: 106

Candidate Starts for Leviosa_3:

(Start: 106 @1888 has 46 MA's), (113, 1894), (118, 1903), (128, 1921), (139, 1942), (157, 1993), (165, 2002), (167, 2008), (180, 2035), (185, 2047), (190, 2068), (192, 2077), (223, 2128), (227, 2137), (237, 2176), (239, 2182), (244, 2203), (246, 2212), (302, 2317), (304, 2320), (317, 2347), (335, 2362), (338, 2365), (348, 2377), (424, 2458), (425, 2461), (430, 2470), (458, 2557), (459, 2560), (463, 2572), (474, 2608), (477, 2617), (495, 2650), (496, 2653), (499, 2659), (506, 2668), (509, 2677), (534, 2710), (547, 2755), (554, 2773), (576, 2848), (584, 2872), (603, 2932), (621, 2986), (628, 2992), (639, 3043), (658, 3091), (659, 3094), (662, 3100), (663, 3103), (665, 3109), (670, 3118), (678, 3133), (679, 3136), (689, 3166),

Gene: Leviticus_7 Start: 4081, Stop: 5523, Start Num: 108

Candidate Starts for Leviticus_7:

(Start: 96 @4072 has 3 MA's), (Start: 99 @4075 has 4 MA's), (Start: 108 @4081 has 156 MA's), (Start: 166 @4198 has 2 MA's), (184, 4246), (312, 4564), (346, 4606), (364, 4633), (398, 4666), (446, 4759),

(449, 4771), (477, 4864), (520, 4942), (535, 4987), (549, 5044), (558, 5068), (631, 5281), (747, 5509),

Gene: Lewan_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Lewan_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (144, 2734), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Licorice_14 Start: 9300, Stop: 10742, Start Num: 112

Candidate Starts for Licorice_14:

(64, 9234), (Start: 112 @9300 has 204 MA's), (195, 9498), (288, 9711), (421, 9906), (425, 9918), (459, 10017), (547, 10212), (561, 10251), (584, 10329), (586, 10335), (601, 10383), (605, 10395), (608, 10404), (639, 10494), (677, 10584), (687, 10617), (696, 10629),

Gene: Liebe_3 Start: 2290, Stop: 3813, Start Num: 100

Candidate Starts for Liebe_3:

(Start: 100 @2290 has 21 MA's), (Start: 108 @2296 has 156 MA's), (117, 2311), (147, 2374), (Start: 166 @2413 has 2 MA's), (351, 2800), (421, 2890), (458, 2986), (544, 3175), (555, 3205), (561, 3223), (573, 3253), (579, 3283), (641, 3472), (647, 3481), (741, 3652), (761, 3697), (772, 3757),

Gene: Liefie_3 Start: 1887, Stop: 3401, Start Num: 59

Candidate Starts for Liefie_3:

(9, 1320), (16, 1488), (18, 1503), (24, 1632), (Start: 59 @1887 has 72 MA's), (117, 1950), (118, 1953), (123, 1962), (184, 2094), (238, 2241), (239, 2244), (286, 2334), (301, 2373), (370, 2466), (427, 2529), (450, 2592), (461, 2631), (474, 2673), (489, 2718), (499, 2742), (506, 2751), (534, 2808), (546, 2850), (553, 2868), (554, 2871), (601, 3027), (641, 3153), (662, 3204),

Gene: Lika_7 Start: 4060, Stop: 5496, Start Num: 108

Candidate Starts for Lika_7:

(Start: 99 @4054 has 4 MA's), (Start: 108 @4060 has 156 MA's), (123, 4084), (136, 4108), (Start: 166 @4177 has 2 MA's), (184, 4225), (197, 4276), (271, 4459), (312, 4543), (346, 4585), (446, 4741), (449, 4753), (477, 4846), (520, 4924), (535, 4969), (549, 5026), (558, 5050), (623, 5239), (631, 5263), (747, 5482),

Gene: LilBandit_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for LilBandit_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (417, 2438), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (561, 2792), (576, 2846), (584, 2870), (621, 2984), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: LilBib_13 Start: 9243, Stop: 10685, Start Num: 112

Candidate Starts for LilBib_13:

(64, 9177), (Start: 112 @9243 has 204 MA's), (195, 9441), (288, 9654), (421, 9849), (425, 9861), (459, 9960), (547, 10155), (561, 10194), (584, 10272), (586, 10278), (600, 10323), (601, 10326), (605, 10338), (608, 10347), (639, 10437), (677, 10527), (687, 10560), (696, 10572),

Gene: LilDestine_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for LilDestine_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: LilPharaoh_5 Start: 2283, Stop: 3839, Start Num: 50

Candidate Starts for LilPharaoh_5:

(29, 2157), (31, 2178), (Start: 49 @2268 has 25 MA's), (Start: 50 @2283 has 160 MA's), (109, 2352), (119, 2367), (131, 2388), (Start: 166 @2469 has 2 MA's), (174, 2493), (186, 2526), (195, 2562), (231, 2637), (237, 2658), (241, 2673), (294, 2778), (327, 2844), (351, 2874), (383, 2928), (404, 2970), (421, 3006), (425, 3018), (441, 3051), (452, 3084), (464, 3126), (473, 3156), (517, 3189), (525, 3207), (526, 3213), (541, 3267), (546, 3285), (550, 3297), (556, 3312), (557, 3315), (569, 3348), (600, 3447), (601, 3450), (607, 3468), (628, 3510), (639, 3561), (640, 3564), (650, 3585), (660, 3609), (661, 3612), (664, 3621), (681, 3657), (684, 3672), (701, 3693),

Gene: LilSpotty_3 Start: 1782, Stop: 3245, Start Num: 62

Candidate Starts for LilSpotty_3:

(Start: 62 @1782 has 13 MA's), (92, 1818), (Start: 106 @1833 has 46 MA's), (134, 1872), (136, 1878), (138, 1884), (140, 1887), (174, 1971), (177, 1980), (184, 1992), (185, 1995), (190, 2016), (219, 2070), (227, 2085), (228, 2088), (233, 2109), (239, 2130), (277, 2202), (289, 2232), (337, 2307), (350, 2322), (382, 2364), (408, 2373), (424, 2409), (429, 2418), (430, 2421), (461, 2517), (481, 2580), (486, 2589), (514, 2652), (534, 2706), (547, 2751), (583, 2865), (584, 2868), (596, 2904), (606, 2937), (628, 2985), (640, 3039), (647, 3060), (678, 3126), (688, 3153), (704, 3162), (706, 3165), (713, 3174), (744, 3222),

Gene: LilTurb_15 Start: 9694, Stop: 11154, Start Num: 74

Candidate Starts for LilTurb_15:

(Start: 74 @9694 has 530 MA's), (129, 9754), (174, 9859), (246, 10057), (288, 10141), (301, 10174), (421, 10318), (452, 10402), (459, 10429), (461, 10435), (467, 10456), (468, 10462), (486, 10507), (601, 10801), (607, 10819), (608, 10822), (617, 10849), (621, 10858), (662, 10975), (677, 11005), (685, 11035), (706, 11059),

Gene: Lilas_3 Start: 2281, Stop: 3735, Start Num: 77

Candidate Starts for Lilas_3:

(35, 2128), (41, 2188), (Start: 77 @2281 has 21 MA's), (183, 2467), (191, 2500), (202, 2533), (239, 2611), (241, 2620), (331, 2779), (344, 2794), (360, 2815), (422, 2884), (425, 2893), (440, 2926), (458, 2989), (461, 2998), (497, 3100), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3682),

Gene: Lilbit_37 Start: 12860, Stop: 14425, Start Num: 48

Candidate Starts for Lilbit_37:

(Start: 48 @12860 has 17 MA's), (119, 12977), (172, 13097), (190, 13142), (192, 13151), (233, 13241), (245, 13289), (246, 13292), (277, 13334), (281, 13337), (289, 13361), (334, 13433), (337, 13436), (367, 13475), (384, 13496), (386, 13499), (424, 13544), (456, 13634), (458, 13643), (461, 13652), (474, 13694), (475, 13697), (488, 13736), (510, 13778), (512, 13784), (514, 13787), (532, 13832), (554, 13901), (584, 14000), (588, 14012), (622, 14111), (641, 14177), (651, 14198), (656, 14213), (706, 14306), (717, 14321),

Gene: Lilbunny_16 Start: 9265, Stop: 10731, Start Num: 74

Candidate Starts for Lilbunny_16:

(Start: 74 @9265 has 530 MA's), (97, 9286), (129, 9325), (167, 9412), (171, 9424), (174, 9430), (288, 9712), (315, 9766), (434, 9925), (452, 9976), (459, 10003), (461, 10009), (467, 10030), (518, 10132), (561, 10243), (608, 10396), (612, 10411), (617, 10423), (621, 10432), (641, 10498), (649, 10519), (662, 10549), (677, 10579), (685, 10609),

Gene: LilhomieP_14 Start: 6260, Stop: 7882, Start Num: 55

Candidate Starts for LilhomieP_14:

(Start: 55 @6260 has 21 MA's), (Start: 62 @6275 has 13 MA's), (135, 6383), (142, 6401), (165, 6449), (175, 6482), (181, 6494), (188, 6518), (195, 6545), (197, 6551), (231, 6623), (233, 6629), (241, 6659), (267, 6740), (271, 6746), (273, 6749), (283, 6767), (411, 6923), (421, 6941), (425, 6953), (447, 7001), (463, 7058), (464, 7061), (495, 7130), (533, 7184), (541, 7220), (558, 7271), (560, 7274), (571, 7304), (575, 7313), (593, 7379), (595, 7382), (600, 7403), (601, 7406), (623, 7457), (650, 7544), (709, 7655), (727, 7685), (747, 7721), (751, 7727), (757, 7742), (762, 7754), (777, 7838),

Gene: Lilith_14 Start: 8647, Stop: 10101, Start Num: 74

Candidate Starts for Lilith_14:

(Start: 74 @8647 has 530 MA's), (Start: 114 @8677 has 8 MA's), (129, 8704), (174, 8809), (223, 8923), (242, 8989), (265, 9046), (301, 9124), (303, 9127), (421, 9268), (459, 9379), (461, 9385), (467, 9406), (544, 9571), (584, 9697), (601, 9751), (603, 9757), (608, 9772), (621, 9808), (649, 9895), (662, 9925), (677, 9955), (696, 10000), (706, 10009),

Gene: Lilleskat_12 Start: 9893, Stop: 11380, Start Num: 74

Candidate Starts for Lilleskat_12:

(Start: 74 @9893 has 530 MA's), (129, 9956), (174, 10061), (197, 10130), (252, 10271), (271, 10310), (288, 10343), (301, 10376), (421, 10520), (435, 10556), (440, 10565), (452, 10604), (459, 10631), (461, 10637), (467, 10658), (468, 10664), (486, 10709), (501, 10733), (511, 10748), (601, 11003), (607, 11021), (617, 11051), (619, 11054), (621, 11060), (659, 11171), (662, 11177), (677, 11207), (696, 11252), (706, 11261),

Gene: Lillie_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Lillie_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: LindNT_9 Start: 2980, Stop: 4548, Start Num: 49

Candidate Starts for LindNT_9:

(31, 2893), (Start: 49 @2980 has 25 MA's), (Start: 50 @2995 has 160 MA's), (128, 3094), (131, 3103), (160, 3175), (Start: 166 @3184 has 2 MA's), (174, 3208), (186, 3241), (197, 3283), (231, 3352), (237, 3373), (247, 3412), (294, 3496), (333, 3571), (351, 3592), (385, 3646), (441, 3766), (452, 3799), (457, 3820), (464, 3841), (473, 3871), (517, 3904), (525, 3922), (546, 4000), (550, 4012), (552, 4015), (556, 4027), (557, 4030), (573, 4066), (585, 4114), (607, 4183), (640, 4279), (650, 4300), (661, 4327), (664, 4336), (681, 4372), (717, 4426),

Gene: LionsBait_14 Start: 10970, Stop: 12430, Start Num: 74

Candidate Starts for LionsBait_14:

(Start: 74 @10970 has 530 MA's), (129, 11030), (174, 11135), (246, 11333), (288, 11417), (301, 11450), (388, 11561), (452, 11678), (459, 11705), (461, 11711), (467, 11732), (468, 11738), (486, 11783), (601, 12077), (607, 12095), (608, 12098), (617, 12125), (621, 12134), (662, 12251), (677, 12281), (685, 12311), (706, 12335),

Gene: LitninMcQueen_4 Start: 2189, Stop: 3625, Start Num: 73

Candidate Starts for LitninMcQueen_4:

(Start: 73 @2189 has 29 MA's), (146, 2291), (168, 2342), (190, 2399), (192, 2408), (227, 2480), (241, 2534), (252, 2567), (281, 2603), (308, 2666), (410, 2774), (422, 2801), (427, 2813), (429, 2816), (450, 2876), (452, 2882), (465, 2927), (466, 2933), (475, 2960), (481, 2978), (492, 3011), (518, 3062), (534, 3092), (551, 3146), (561, 3176), (571, 3206), (607, 3329), (637, 3422), (640, 3437), (656, 3479), (665, 3500), (679, 3527), (694, 3560), (720, 3587),

Gene: LittleB_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for LittleB_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: LittleCherry_10 Start: 7940, Stop: 9373, Start Num: 75

Candidate Starts for LittleCherry_10:

(Start: 75 @7940 has 72 MA's), (179, 8096), (185, 8108), (188, 8123), (190, 8129), (252, 8297), (265, 8324), (301, 8402), (363, 8483), (424, 8555), (425, 8558), (452, 8630), (461, 8663), (467, 8684), (473, 8702), (477, 8714), (501, 8759), (584, 8975), (601, 9029), (607, 9047), (621, 9086), (662, 9203), (677, 9233), (685, 9263), (706, 9287),

Gene: LittleGuy_12 Start: 8521, Stop: 9975, Start Num: 74

Candidate Starts for LittleGuy_12:

(Start: 74 @8521 has 530 MA's), (170, 8671), (174, 8683), (239, 8851), (246, 8881), (265, 8920), (276, 8938), (301, 8998), (421, 9145), (425, 9157), (459, 9256), (461, 9262), (467, 9283), (468, 9289), (496, 9358), (528, 9418), (544, 9463), (584, 9589), (585, 9592), (601, 9643), (608, 9664), (617, 9694), (647, 9784), (662, 9820), (677, 9850), (685, 9880),

Gene: LittleLaf_36 Start: 12589, Stop: 14154, Start Num: 48

Candidate Starts for LittleLaf_36:

(Start: 48 @12589 has 17 MA's), (119, 12706), (172, 12826), (190, 12871), (192, 12880), (233, 12970), (245, 13018), (246, 13021), (277, 13063), (281, 13066), (289, 13090), (334, 13162), (337, 13165), (367, 13204), (384, 13225), (386, 13228), (424, 13273), (456, 13363), (458, 13372), (461, 13381), (474, 13423), (475, 13426), (488, 13465), (510, 13507), (512, 13513), (514, 13516), (532, 13561), (554, 13630), (584, 13729), (588, 13741), (622, 13840), (641, 13906), (651, 13927), (656, 13942), (706, 14035), (717, 14050),

Gene: LittleShirley_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for LittleShirley_4:

(Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (336, 2704), (366, 2746), (397, 2797), (406, 2815), (421, 2848), (424, 2857), (425, 2860), (447, 2908), (449, 2917), (457, 2947), (463, 2965), (473, 2998), (526, 3055), (550, 3139), (557, 3157), (565, 3184), (571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (601, 3298), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532), (728, 3580),

Gene: LiyuLake_6 Start: 2759, Stop: 4402, Start Num: 84

Candidate Starts for LiyuLake_6:

(Start: 84 @2759 has 64 MA's), (128, 2819), (189, 2969), (197, 2999), (231, 3071), (249, 3137), (278, 3185), (327, 3278), (372, 3317), (418, 3374), (421, 3380), (432, 3407), (437, 3416), (444, 3431), (528, 3620), (548, 3692), (562, 3734), (628, 3917), (638, 3959), (647, 3986), (650, 3995), (677, 4055), (690, 4085), (698, 4094), (747, 4169), (762, 4202),

Gene: Lizalica_3 Start: 2267, Stop: 3640, Start Num: 104

Candidate Starts for Lizalica_3:

(Start: 104 @2267 has 48 MA's), (Start: 166 @2387 has 2 MA's), (197, 2486), (216, 2525), (318, 2750), (412, 2843), (458, 2960), (478, 3023), (558, 3188), (573, 3227), (579, 3257), (587, 3281), (647, 3455), (710, 3575),

Gene: Llorens_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Llorens_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Loadrie_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Loadrie_5:

(Start: 84 @2638 has 64 MA's), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: LochMonster_12 Start: 8553, Stop: 10004, Start Num: 74

Candidate Starts for LochMonster_12:

(Start: 74 @8553 has 530 MA's), (170, 8700), (174, 8712), (239, 8880), (246, 8910), (265, 8949), (276, 8967), (301, 9027), (414, 9156), (421, 9174), (459, 9285), (461, 9291), (467, 9312), (468, 9318), (496, 9387), (528, 9447), (544, 9492), (584, 9618), (585, 9621), (601, 9672), (603, 9678), (608, 9693), (617, 9723), (647, 9813), (662, 9849), (677, 9879), (685, 9909),

Gene: Lockley_12 Start: 8622, Stop: 10064, Start Num: 112

Candidate Starts for Lockley_12:

(64, 8556), (Start: 112 @8622 has 204 MA's), (195, 8820), (288, 9033), (421, 9228), (425, 9240), (459, 9339), (547, 9534), (561, 9573), (584, 9651), (586, 9657), (600, 9702), (601, 9705), (605, 9717), (608, 9726), (621, 9759), (639, 9816), (677, 9906), (687, 9939), (696, 9951),

Gene: Lokk_16 Start: 10919, Stop: 12376, Start Num: 74

Candidate Starts for Lokk_16:

(Start: 74 @10919 has 530 MA's), (129, 10979), (141, 11003), (170, 11072), (174, 11084), (252, 11294), (265, 11321), (288, 11366), (344, 11459), (425, 11555), (452, 11627), (459, 11654), (461, 11660), (467, 11681), (486, 11732), (601, 12026), (607, 12044), (612, 12062), (617, 12074), (621, 12083), (647, 12164), (649, 12170), (662, 12200), (667, 12212), (677, 12230), (685, 12260),

Gene: Lolly9_6 Start: 2762, Stop: 4405, Start Num: 84

Candidate Starts for Lolly9_6:

(Start: 84 @2762 has 64 MA's), (128, 2822), (187, 2963), (189, 2972), (197, 3002), (231, 3074), (249, 3140), (278, 3188), (327, 3281), (372, 3320), (418, 3377), (421, 3383), (425, 3395), (432, 3410), (437, 3419), (444, 3434), (528, 3623), (538, 3656), (548, 3695), (562, 3737), (628, 3920), (638, 3962), (647, 3989), (650, 3998), (677, 4058), (690, 4088), (698, 4097), (747, 4172), (762, 4205),

Gene: London_3 Start: 2266, Stop: 3642, Start Num: 104

Candidate Starts for London_3:

(Start: 104 @2266 has 48 MA's), (Start: 166 @2386 has 2 MA's), (197, 2485), (318, 2749), (478, 3022), (555, 3181), (573, 3229), (579, 3259), (587, 3283), (647, 3457), (710, 3577),

Gene: LoneWolf_14 Start: 9740, Stop: 11221, Start Num: 74

Candidate Starts for LoneWolf_14:

(Start: 74 @9740 has 530 MA's), (129, 9803), (174, 9908), (223, 10022), (252, 10118), (288, 10190), (301, 10223), (421, 10367), (435, 10403), (440, 10412), (452, 10451), (459, 10478), (461, 10484), (466, 10502), (467, 10505), (486, 10556), (501, 10580), (511, 10595), (601, 10850), (607, 10868), (617, 10898), (621, 10907), (659, 11018), (662, 11024), (677, 11054), (696, 11099), (706, 11108),

Gene: LonelyBoi_3 Start: 2281, Stop: 3729, Start Num: 77

Candidate Starts for LonelyBoi_3:

(35, 2128), (Start: 77 @2281 has 21 MA's), (183, 2467), (191, 2500), (202, 2533), (223, 2557), (237, 2605), (331, 2779), (360, 2815), (422, 2884), (424, 2890), (425, 2893), (458, 2989), (461, 2998), (497, 3100), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (583, 3337), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3676),

Gene: Loofah_8 Start: 3938, Stop: 5407, Start Num: 108

Candidate Starts for Loofah_8:

(Start: 108 @3938 has 156 MA's), (Start: 166 @4055 has 2 MA's), (184, 4103), (187, 4115), (197, 4154), (231, 4247), (308, 4412), (312, 4418), (449, 4625), (470, 4700), (477, 4718), (481, 4730), (483, 4736), (485, 4742), (535, 4883), (547, 4934), (549, 4940), (575, 5009), (586, 5054), (607, 5120), (631, 5177), (661, 5267), (680, 5309), (747, 5393),

Gene: Looper_16 Start: 8380, Stop: 9840, Start Num: 74

Candidate Starts for Looper_16:

(Start: 74 @8380 has 530 MA's), (129, 8440), (174, 8545), (196, 8611), (271, 8794), (288, 8827), (301, 8860), (452, 9091), (459, 9118), (461, 9124), (467, 9145), (474, 9166), (486, 9196), (501, 9220), (544, 9310), (555, 9340), (584, 9436), (593, 9463), (601, 9490), (607, 9508), (608, 9511), (617, 9544), (621, 9553), (662, 9670), (677, 9700), (706, 9754),

Gene: Lopton_13 Start: 10050, Stop: 11492, Start Num: 112

Candidate Starts for Lopton_13:

(64, 9984), (Start: 112 @10050 has 204 MA's), (195, 10248), (288, 10461), (421, 10656), (422, 10659), (459, 10767), (484, 10839), (547, 10962), (561, 11001), (584, 11079), (586, 11085), (601, 11133), (605, 11145), (608, 11154), (639, 11244), (677, 11334), (687, 11367), (696, 11379),

Gene: Lorde_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Lorde_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Lorelei_7 Start: 4047, Stop: 5489, Start Num: 99

Candidate Starts for Lorelei_7:

(Start: 99 @4047 has 4 MA's), (Start: 108 @4053 has 156 MA's), (123, 4077), (136, 4101), (Start: 166 @4170 has 2 MA's), (184, 4218), (187, 4230), (197, 4269), (249, 4422), (271, 4452), (312, 4536), (346, 4578), (401, 4644), (446, 4734), (449, 4746), (470, 4821), (477, 4839), (520, 4917), (535, 4962), (549, 5019), (623, 5232), (631, 5256), (680, 5388), (747, 5475),

Gene: Lorenzo_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Lorenzo_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Loser_16 Start: 10998, Stop: 12458, Start Num: 74

Candidate Starts for Loser_16:

(Start: 74 @10998 has 530 MA's), (Start: 111 @11028 has 22 MA's), (129, 11058), (170, 11151), (174, 11163), (288, 11445), (421, 11622), (424, 11631), (452, 11706), (459, 11733), (461, 11739), (467, 11760), (501, 11835), (601, 12105), (607, 12123), (608, 12126), (612, 12141), (617, 12153), (621, 12162), (662, 12279), (677, 12309), (685, 12339), (706, 12363),

Gene: Louie6_14 Start: 8741, Stop: 10195, Start Num: 74

Candidate Starts for Louie6_14:

(Start: 74 @8741 has 530 MA's), (Start: 114 @8771 has 8 MA's), (129, 8798), (174, 8903), (223, 9017), (242, 9083), (265, 9140), (301, 9218), (303, 9221), (421, 9362), (459, 9473), (461, 9479), (467, 9500), (544, 9665), (584, 9791), (601, 9845), (603, 9851), (608, 9866), (621, 9902), (649, 9989), (662, 10019), (677, 10049), (696, 10094), (706, 10103),

Gene: LouisV14_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for LouisV14_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Lowa_14 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for Lowa_14:

(Start: 74 @8646 has 530 MA's), (Start: 114 @8676 has 8 MA's), (129, 8703), (174, 8808), (223, 8922), (242, 8988), (265, 9045), (301, 9123), (303, 9126), (421, 9267), (459, 9378), (461, 9384), (467, 9405), (544, 9570), (584, 9696), (601, 9750), (603, 9756), (608, 9771), (621, 9807), (649, 9894), (662, 9924), (677, 9954), (696, 9999), (706, 10008),

Gene: Luchador_13 Start: 9300, Stop: 10760, Start Num: 74

Candidate Starts for Luchador_13:

(Start: 74 @9300 has 530 MA's), (90, 9312), (129, 9360), (174, 9465), (181, 9477), (197, 9534), (288, 9747), (422, 9927), (452, 10008), (459, 10035), (461, 10041), (466, 10059), (467, 10062), (474, 10083), (486, 10113), (499, 10134), (511, 10152), (539, 10215), (561, 10275), (601, 10407), (608, 10428), (617, 10455), (621, 10464), (640, 10524), (662, 10581), (677, 10611), (685, 10641), (706, 10665),

Gene: Lucivia_13 Start: 9833, Stop: 11290, Start Num: 74

Candidate Starts for Lucivia_13:

(Start: 74 @9833 has 530 MA's), (120, 9878), (129, 9893), (174, 9998), (288, 10280), (301, 10313), (425, 10469), (452, 10541), (459, 10568), (461, 10574), (467, 10595), (486, 10646), (592, 10910), (601, 10940), (608, 10961), (612, 10976), (617, 10988), (621, 10997), (649, 11084), (662, 11114), (677, 11144), (685, 11174), (736, 11240),

Gene: Lucky10_3 Start: 1755, Stop: 3197, Start Num: 80

Candidate Starts for Lucky10_3:

(Start: 80 @1755 has 8 MA's), (123, 1806), (170, 1908), (184, 1938), (190, 1962), (193, 1974), (239, 2088), (339, 2271), (358, 2295), (360, 2298), (410, 2328), (429, 2370), (450, 2427), (465, 2478), (466, 2484), (474, 2508), (481, 2529), (489, 2553), (498, 2574), (534, 2640), (605, 2871), (613, 2898), (625, 2919), (632, 2943), (645, 2997), (656, 3021), (662, 3033), (694, 3102), (724, 3135),

Gene: Lucyedi_14 Start: 9278, Stop: 10750, Start Num: 74

Candidate Starts for Lucyedi_14:

(Start: 74 @9278 has 530 MA's), (129, 9338), (167, 9425), (170, 9431), (174, 9443), (288, 9725), (301, 9758), (421, 9902), (424, 9911), (452, 9986), (458, 10010), (459, 10013), (461, 10019), (467, 10040), (601, 10385), (607, 10403), (608, 10406), (617, 10433), (621, 10442), (662, 10559), (677, 10589), (685, 10619), (696, 10634), (706, 10643), (751, 10703),

Gene: LugYA_16 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for LugYA_16:

(Start: 74 @8652 has 530 MA's), (Start: 114 @8682 has 8 MA's), (129, 8709), (174, 8814), (223, 8928), (242, 8994), (265, 9051), (301, 9129), (303, 9132), (421, 9273), (459, 9384), (461, 9390), (467, 9411), (544, 9576), (584, 9702), (601, 9756), (603, 9762), (608, 9777), (621, 9813), (649, 9900), (662, 9930), (677, 9960), (696, 10005), (706, 10014),

Gene: Lumos_6 Start: 2756, Stop: 4399, Start Num: 84

Candidate Starts for Lumos_6:

(Start: 84 @2756 has 64 MA's), (128, 2816), (189, 2966), (197, 2996), (231, 3068), (249, 3134), (278, 3182), (327, 3275), (372, 3314), (432, 3404), (437, 3413), (444, 3428), (528, 3617), (538, 3650), (548, 3689), (562, 3731), (628, 3914), (638, 3956), (647, 3983), (650, 3992), (677, 4052), (690, 4082), (698, 4091), (747, 4166), (762, 4199),

Gene: LunaStella_3 Start: 2233, Stop: 3708, Start Num: 62

Candidate Starts for LunaStella_3:

(Start: 62 @2233 has 13 MA's), (70, 2245), (88, 2266), (Start: 106 @2287 has 46 MA's), (177, 2434), (184, 2446), (189, 2467), (190, 2470), (223, 2530), (231, 2557), (233, 2563), (239, 2584), (269, 2656), (276, 2659), (277, 2662), (281, 2668), (289, 2692), (298, 2710), (318, 2752), (334, 2764), (337, 2767), (363, 2800), (382, 2824), (391, 2830), (422, 2863), (424, 2869), (440, 2905), (449, 2935), (450, 2938), (452, 2944), (458, 2968), (461, 2977), (475, 3022), (481, 3040), (486, 3049), (514, 3112), (523, 3133), (532, 3160), (547, 3211), (555, 3232), (565, 3265), (568, 3274), (583, 3325), (584, 3328), (596, 3364), (605, 3394), (606, 3397), (616, 3427), (628, 3445), (647, 3520), (656, 3541), (678, 3586), (712, 3634),

Gene: Lunahalos_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Lunahalos_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: LunarLander_12 Start: 8410, Stop: 9852, Start Num: 112

Candidate Starts for LunarLander_12:

(64, 8344), (Start: 112 @8410 has 204 MA's), (195, 8608), (288, 8821), (421, 9016), (425, 9028), (459, 9127), (484, 9199), (547, 9322), (561, 9361), (584, 9439), (586, 9445), (601, 9493), (605, 9505), (608, 9514), (639, 9604), (677, 9694), (687, 9727), (696, 9739),

Gene: Lunsford_13 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Lunsford_13:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Lutum_4 Start: 2191, Stop: 3627, Start Num: 73

Candidate Starts for Lutum_4:

(Start: 73 @2191 has 29 MA's), (123, 2245), (142, 2281), (146, 2293), (163, 2332), (165, 2335), (192, 2410), (227, 2482), (235, 2512), (241, 2536), (246, 2557), (281, 2605), (312, 2674), (344, 2716), (418, 2794), (427, 2815), (429, 2818), (450, 2878), (458, 2908), (459, 2911), (465, 2929), (466, 2935), (475, 2962), (481, 2980), (492, 3013), (528, 3079), (534, 3094), (551, 3148), (561, 3178), (571, 3208), (583, 3256), (597, 3301), (607, 3331), (637, 3424), (640, 3439), (665, 3502), (694, 3562), (720, 3589), (723, 3592),

Gene: MA5_12 Start: 7793, Stop: 9259, Start Num: 75

Candidate Starts for MA5_12:

(Start: 75 @7793 has 72 MA's), (117, 7838), (174, 7964), (204, 8048), (233, 8111), (242, 8144), (246, 8162), (265, 8201), (418, 8417), (452, 8507), (458, 8531), (459, 8534), (461, 8540), (467, 8561), (468, 8567), (544, 8738), (584, 8864), (585, 8867), (601, 8918), (603, 8924), (608, 8939), (617, 8969), (662, 9095), (677, 9125), (687, 9155),

Gene: MAckerman_5 Start: 2625, Stop: 4298, Start Num: 84

Candidate Starts for MAckerman_5:

(Start: 84 @2625 has 64 MA's), (131, 2688), (165, 2766), (189, 2835), (195, 2859), (231, 2937), (241, 2973), (286, 3066), (287, 3069), (327, 3144), (372, 3183), (421, 3246), (432, 3273), (433, 3276), (444, 3297), (450, 3318), (462, 3360), (463, 3363), (520, 3465), (526, 3480), (528, 3486), (552, 3567), (561, 3594), (562, 3600), (592, 3693), (600, 3720), (603, 3729), (628, 3783), (633, 3804), (638, 3825), (647, 3852), (650, 3861), (677, 3921), (690, 3951), (698, 3960), (762, 4068), (782, 4263),

Gene: MAnor_5 Start: 2570, Stop: 4018, Start Num: 115

Candidate Starts for MAnor_5:

(Start: 115 @2570 has 54 MA's), (133, 2600), (136, 2609), (190, 2744), (191, 2750), (213, 2786), (228, 2822), (232, 2840), (241, 2873), (247, 2897), (288, 2966), (301, 2999), (425, 3155), (446, 3206), (454, 3236), (461, 3260), (474, 3302), (499, 3371), (530, 3437), (554, 3509), (607, 3680), (621, 3713), (640, 3773), (647, 3794), (662, 3827), (685, 3887), (687, 3890), (759, 4001),

Gene: MEAK_3 Start: 1881, Stop: 3206, Start Num: 106

Candidate Starts for MEAK_3:

(Start: 106 @1881 has 46 MA's), (113, 1887), (118, 1896), (128, 1914), (139, 1935), (157, 1986), (165, 1995), (167, 2001), (174, 2019), (180, 2028), (184, 2037), (185, 2040), (190, 2061), (192, 2070), (223, 2121), (227, 2130), (237, 2169), (239, 2175), (244, 2196), (246, 2205), (296, 2298), (302, 2310), (304, 2313), (317, 2340), (338, 2358), (348, 2370), (408, 2415), (417, 2433), (418, 2436), (425, 2454), (430, 2463), (456, 2541), (459, 2553), (463, 2565), (474, 2601), (477, 2610), (499, 2652), (506, 2661), (509, 2670), (534, 2703), (547, 2748), (550, 2757), (554, 2766), (576, 2841), (584, 2865), (603, 2925), (608, 2940), (628, 2985), (639, 3036), (648, 3063), (658, 3084), (659, 3087), (662, 3093), (670, 3111), (678, 3126), (679, 3129), (689, 3159),

Gene: MK4_12 Start: 8064, Stop: 9530, Start Num: 75

Candidate Starts for MK4_12:

(Start: 75 @8064 has 72 MA's), (117, 8109), (174, 8235), (204, 8319), (233, 8382), (242, 8415), (246, 8433), (265, 8472), (281, 8499), (418, 8688), (452, 8778), (458, 8802), (459, 8805), (461, 8811), (467, 8832), (468, 8838), (544, 9009), (584, 9135), (585, 9138), (601, 9189), (603, 9195), (608, 9210), (617,

9240), (662, 9366), (677, 9396), (687, 9426),

Gene: MOOREtheMARYer_3 Start: 1934, Stop: 3484, Start Num: 51

Candidate Starts for MOOREtheMARYer_3:

(Start: 51 @1934 has 3 MA's), (90, 1985), (118, 2012), (238, 2300), (286, 2399), (301, 2438), (424, 2588), (441, 2627), (458, 2687), (461, 2696), (471, 2732), (489, 2783), (534, 2873), (546, 2915), (553, 2933), (607, 3110), (656, 3257), (688, 3332), (694, 3338), (739, 3401),

Gene: MPlant7149_11 Start: 8260, Stop: 9702, Start Num: 112

Candidate Starts for MPlant7149_11:

(64, 8194), (Start: 112 @8260 has 204 MA's), (195, 8458), (288, 8671), (421, 8866), (422, 8869), (459, 8977), (484, 9049), (547, 9172), (561, 9211), (584, 9289), (586, 9295), (601, 9343), (605, 9355), (608, 9364), (639, 9454), (677, 9544), (687, 9577), (696, 9589),

Gene: MScarn_7 Start: 2787, Stop: 4241, Start Num: 115

Candidate Starts for MScarn_7:

(Start: 115 @2787 has 54 MA's), (133, 2811), (180, 2925), (184, 2934), (242, 3090), (244, 3099), (288, 3180), (391, 3327), (425, 3369), (454, 3450), (459, 3468), (461, 3474), (544, 3702), (554, 3729), (565, 3765), (598, 3873), (605, 3894), (648, 4017), (662, 4047), (685, 4107), (687, 4110), (759, 4218),

Gene: MUWow_3 Start: 2347, Stop: 3684, Start Num: 111

Candidate Starts for MUWow_3:

(Start: 84 @2320 has 64 MA's), (Start: 96 @2335 has 3 MA's), (Start: 111 @2347 has 22 MA's), (136, 2389), (138, 2395), (165, 2458), (170, 2470), (231, 2629), (277, 2728), (301, 2785), (328, 2833), (344, 2848), (377, 2893), (418, 2929), (430, 2956), (457, 3037), (461, 3049), (462, 3052), (468, 3076), (485, 3118), (547, 3244), (565, 3298), (584, 3361), (600, 3412), (604, 3424), (619, 3463), (640, 3529), (677, 3610), (678, 3613), (681, 3619), (716, 3670),

Gene: MaCh_13 Start: 9781, Stop: 11238, Start Num: 74

Candidate Starts for MaCh_13:

(Start: 74 @9781 has 530 MA's), (120, 9826), (129, 9841), (174, 9946), (288, 10228), (301, 10261), (425, 10417), (452, 10489), (459, 10516), (461, 10522), (467, 10543), (486, 10594), (592, 10858), (601, 10888), (608, 10909), (612, 10924), (617, 10936), (621, 10945), (649, 11032), (662, 11062), (677, 11092), (685, 11122), (736, 11188),

Gene: MaGuCo_3 Start: 2290, Stop: 3672, Start Num: 100

Candidate Starts for MaGuCo_3:

(Start: 100 @2290 has 21 MA's), (Start: 108 @2296 has 156 MA's), (117, 2311), (147, 2374), (Start: 166 @2413 has 2 MA's), (351, 2800), (458, 2986), (544, 3175), (555, 3205), (561, 3223), (573, 3253), (579, 3283), (641, 3472), (647, 3481),

Gene: MaVan_7 Start: 3686, Stop: 5131, Start Num: 115

Candidate Starts for MaVan_7:

(Start: 115 @3686 has 54 MA's), (126, 3698), (129, 3704), (147, 3746), (156, 3776), (190, 3854), (227, 3923), (288, 4070), (412, 4229), (424, 4259), (429, 4268), (454, 4343), (461, 4367), (463, 4373), (495, 4469), (506, 4487), (520, 4517), (534, 4553), (554, 4616), (568, 4661), (596, 4751), (600, 4766), (604, 4778), (607, 4787), (617, 4811), (640, 4880), (656, 4922), (662, 4934), (663, 4937), (693, 5003), (704, 5009),

Gene: Mabel_13 Start: 9848, Stop: 11305, Start Num: 74

Candidate Starts for Mabel_13:

(Start: 74 @9848 has 530 MA's), (120, 9893), (129, 9908), (174, 10013), (288, 10295), (301, 10328), (425, 10484), (452, 10556), (459, 10583), (461, 10589), (467, 10610), (486, 10661), (592, 10925),

(601, 10955), (608, 10976), (612, 10991), (617, 11003), (621, 11012), (649, 11099), (662, 11129), (677, 11159), (685, 11189), (736, 11255),

Gene: Mabodamaca_3 Start: 2378, Stop: 3763, Start Num: 104

Candidate Starts for Mabodamaca_3:

(Start: 104 @2378 has 48 MA's), (Start: 166 @2498 has 2 MA's), (197, 2597), (237, 2687), (271, 2756), (314, 2840), (457, 3059), (481, 3134), (524, 3194), (566, 3335), (579, 3377), (641, 3560), (647, 3569), (650, 3578), (743, 3731),

Gene: MacKat_9 Start: 3046, Stop: 4599, Start Num: 50

Candidate Starts for MacKat_9:

(31, 2944), (Start: 49 @3031 has 25 MA's), (Start: 50 @3046 has 160 MA's), (128, 3145), (131, 3154), (160, 3226), (Start: 166 @3235 has 2 MA's), (174, 3259), (186, 3292), (188, 3301), (197, 3334), (231, 3403), (237, 3424), (248, 3466), (288, 3532), (294, 3547), (333, 3622), (351, 3643), (385, 3697), (441, 3817), (452, 3850), (457, 3871), (464, 3892), (473, 3922), (517, 3955), (525, 3973), (541, 4033), (546, 4051), (550, 4063), (552, 4066), (556, 4078), (557, 4081), (573, 4117), (585, 4165), (601, 4216), (607, 4234), (640, 4330), (650, 4351), (661, 4378), (664, 4387), (681, 4423),

Gene: MacnCheese_9 Start: 3139, Stop: 4695, Start Num: 50

Candidate Starts for MacnCheese_9:

(Start: 49 @3124 has 25 MA's), (Start: 50 @3139 has 160 MA's), (128, 3232), (131, 3241), (174, 3346), (186, 3379), (189, 3391), (231, 3490), (237, 3511), (241, 3526), (248, 3553), (286, 3604), (288, 3613), (294, 3628), (333, 3703), (346, 3718), (351, 3724), (373, 3757), (421, 3853), (425, 3865), (441, 3898), (444, 3904), (452, 3931), (473, 4003), (517, 4036), (525, 4054), (546, 4132), (550, 4144), (552, 4147), (557, 4162), (565, 4189), (583, 4243), (585, 4249), (600, 4297), (607, 4318), (650, 4438), (661, 4465), (664, 4474), (681, 4510),

Gene: Maco6_4 Start: 2715, Stop: 4238, Start Num: 80

Candidate Starts for Maco6_4:

(47, 2631), (Start: 80 @2715 has 8 MA's), (95, 2730), (129, 2772), (170, 2865), (174, 2877), (189, 2916), (191, 2925), (195, 2940), (221, 3003), (223, 3015), (229, 3030), (242, 3081), (246, 3099), (301, 3210), (461, 3474), (485, 3543), (498, 3582), (568, 3744), (579, 3783), (600, 3849), (606, 3867), (640, 3960), (644, 3975),

Gene: MadMarie_14 Start: 8656, Stop: 10110, Start Num: 74

Candidate Starts for MadMarie_14:

(Start: 74 @8656 has 530 MA's), (Start: 114 @8686 has 8 MA's), (129, 8713), (174, 8818), (223, 8932), (242, 8998), (265, 9055), (301, 9133), (303, 9136), (421, 9277), (459, 9388), (461, 9394), (467, 9415), (544, 9580), (584, 9706), (601, 9760), (603, 9766), (608, 9781), (621, 9817), (649, 9904), (662, 9934), (677, 9964), (696, 10009), (706, 10018),

Gene: Madiba_4 Start: 2198, Stop: 3619, Start Num: 108

Candidate Starts for Madiba_4:

(Start: 108 @2198 has 156 MA's), (124, 2225), (131, 2237), (184, 2366), (188, 2384), (197, 2417), (231, 2486), (241, 2522), (246, 2543), (248, 2549), (271, 2573), (273, 2576), (308, 2651), (312, 2657), (323, 2684), (336, 2702), (366, 2744), (397, 2795), (406, 2813), (421, 2846), (424, 2855), (425, 2858), (447, 2906), (449, 2915), (457, 2945), (463, 2963), (473, 2996), (526, 3053), (550, 3137), (557, 3155), (565, 3182), (571, 3194), (573, 3197), (575, 3203), (576, 3218), (587, 3251), (628, 3356), (650, 3431), (652, 3437), (655, 3446), (660, 3455), (664, 3467), (693, 3530), (728, 3578),

Gene: Magnar_12 Start: 8408, Stop: 9850, Start Num: 112

Candidate Starts for Magnar_12:

(64, 8342), (Start: 112 @8408 has 204 MA's), (195, 8606), (288, 8819), (421, 9014), (459, 9125), (547, 9320), (561, 9359), (584, 9437), (586, 9443), (601, 9491), (605, 9503), (608, 9512), (639, 9602), (677, 9692), (687, 9725), (696, 9737),

Gene: Magnito_11 Start: 8159, Stop: 9601, Start Num: 112

Candidate Starts for Magnito_11:

(64, 8093), (Start: 112 @8159 has 204 MA's), (195, 8357), (288, 8570), (421, 8765), (425, 8777), (459, 8876), (484, 8948), (547, 9071), (561, 9110), (584, 9188), (586, 9194), (601, 9242), (605, 9254), (608, 9263), (639, 9353), (677, 9443), (687, 9476), (696, 9488),

Gene: Mainiac_14 Start: 8647, Stop: 10101, Start Num: 74

Candidate Starts for Mainiac_14:

(Start: 74 @8647 has 530 MA's), (Start: 114 @8677 has 8 MA's), (129, 8704), (174, 8809), (223, 8923), (242, 8989), (265, 9046), (301, 9124), (303, 9127), (421, 9268), (459, 9379), (461, 9385), (467, 9406), (544, 9571), (584, 9697), (601, 9751), (603, 9757), (608, 9772), (621, 9808), (649, 9895), (662, 9925), (677, 9955), (696, 10000), (706, 10009),

Gene: MajorMajor_12 Start: 8157, Stop: 9614, Start Num: 74

Candidate Starts for MajorMajor_12:

(Start: 74 @8157 has 530 MA's), (97, 8178), (129, 8217), (174, 8322), (288, 8604), (301, 8637), (354, 8709), (425, 8793), (452, 8865), (459, 8892), (461, 8898), (467, 8919), (561, 9132), (593, 9237), (601, 9264), (608, 9285), (617, 9312), (621, 9321), (662, 9438), (677, 9468), (685, 9498), (706, 9522),

Gene: Makemake_12 Start: 9892, Stop: 11334, Start Num: 112

Candidate Starts for Makemake_12:

(64, 9826), (Start: 112 @9892 has 204 MA's), (195, 10090), (288, 10303), (421, 10498), (422, 10501), (425, 10510), (459, 10609), (484, 10681), (547, 10804), (561, 10843), (584, 10921), (586, 10927), (600, 10972), (601, 10975), (605, 10987), (608, 10996), (639, 11086), (677, 11176), (687, 11209), (696, 11221),

Gene: MalagasyRose_8 Start: 3844, Stop: 5301, Start Num: 80

Candidate Starts for MalagasyRose_8:

(Start: 80 @3844 has 8 MA's), (Start: 108 @3871 has 156 MA's), (109, 3874), (156, 3973), (161, 3976), (189, 4051), (191, 4060), (195, 4075), (197, 4081), (226, 4129), (231, 4150), (240, 4183), (241, 4186), (249, 4216), (251, 4225), (268, 4261), (288, 4300), (314, 4360), (327, 4390), (346, 4414), (362, 4438), (379, 4453), (392, 4471), (421, 4528), (424, 4537), (425, 4540), (443, 4579), (444, 4582), (458, 4633), (463, 4648), (474, 4684), (546, 4813), (561, 4855), (567, 4876), (574, 4888), (590, 4951), (592, 4957), (641, 5107), (647, 5116), (661, 5152), (690, 5218), (698, 5227), (732, 5278),

Gene: Malec_14 Start: 9495, Stop: 10958, Start Num: 74

Candidate Starts for Malec_14:

(Start: 74 @9495 has 530 MA's), (129, 9555), (170, 9648), (174, 9660), (288, 9942), (422, 10122), (425, 10131), (452, 10203), (459, 10230), (461, 10236), (467, 10257), (565, 10485), (601, 10602), (607, 10620), (608, 10623), (617, 10650), (621, 10659), (662, 10776), (677, 10806), (685, 10836), (706, 10860),

Gene: Maliketh_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Maliketh_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Malinsilva_16 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for Malinsilva_16:

(Start: 74 @8646 has 530 MA's), (Start: 114 @8676 has 8 MA's), (129, 8703), (174, 8808), (223, 8922), (242, 8988), (265, 9045), (301, 9123), (303, 9126), (421, 9267), (459, 9378), (461, 9384), (467, 9405), (544, 9570), (584, 9696), (601, 9750), (603, 9756), (608, 9771), (621, 9807), (649, 9894), (662, 9924), (677, 9954), (696, 9999), (706, 10008),

Gene: Malisha_4 Start: 2187, Stop: 3626, Start Num: 73

Candidate Starts for Malisha_4:

(Start: 73 @2187 has 29 MA's), (85, 2202), (163, 2331), (165, 2334), (183, 2373), (192, 2409), (227, 2481), (241, 2535), (281, 2604), (312, 2673), (334, 2703), (339, 2709), (344, 2715), (418, 2793), (427, 2814), (429, 2817), (450, 2877), (452, 2883), (456, 2898), (458, 2907), (459, 2910), (465, 2928), (466, 2934), (475, 2961), (481, 2979), (492, 3012), (518, 3063), (534, 3093), (551, 3147), (561, 3177), (571, 3207), (607, 3330), (640, 3438), (656, 3480), (665, 3501), (694, 3561), (720, 3588),

Gene: Malthus_10 Start: 3922, Stop: 5508, Start Num: 50

Candidate Starts for Malthus_10:

(Start: 49 @3907 has 25 MA's), (Start: 50 @3922 has 160 MA's), (60, 3946), (109, 4012), (135, 4057), (Start: 166 @4129 has 2 MA's), (186, 4186), (188, 4195), (189, 4198), (197, 4228), (231, 4297), (237, 4318), (246, 4354), (248, 4360), (271, 4384), (288, 4420), (294, 4435), (315, 4474), (399, 4609), (404, 4618), (414, 4636), (424, 4663), (425, 4666), (441, 4699), (452, 4732), (457, 4753), (464, 4774), (517, 4837), (526, 4861), (535, 4885), (546, 4933), (550, 4945), (555, 4957), (557, 4963), (571, 5002), (605, 5116), (607, 5122), (650, 5293), (661, 5320), (664, 5329), (693, 5392), (704, 5404),

Gene: Maminiaina_14 Start: 9663, Stop: 11144, Start Num: 74

Candidate Starts for Maminiaina_14:

(Start: 74 @9663 has 530 MA's), (129, 9726), (174, 9831), (223, 9945), (252, 10041), (288, 10113), (301, 10146), (421, 10290), (452, 10374), (459, 10401), (461, 10407), (467, 10428), (511, 10518), (601, 10773), (607, 10791), (617, 10821), (621, 10830), (659, 10941), (662, 10947), (677, 10977), (696, 11022), (706, 11031),

Gene: Manatee_13 Start: 8692, Stop: 10134, Start Num: 112

Candidate Starts for Manatee_13:

(64, 8626), (Start: 112 @8692 has 204 MA's), (195, 8890), (288, 9103), (421, 9298), (425, 9310), (459, 9409), (484, 9481), (547, 9604), (561, 9643), (584, 9721), (586, 9727), (601, 9775), (605, 9787), (608, 9796), (639, 9886), (677, 9976), (687, 10009), (696, 10021),

Gene: Maneekul_7 Start: 4052, Stop: 5494, Start Num: 99

Candidate Starts for Maneekul_7:

(Start: 99 @4052 has 4 MA's), (Start: 108 @4058 has 156 MA's), (123, 4082), (136, 4106), (Start: 166 @4175 has 2 MA's), (184, 4223), (187, 4235), (197, 4274), (249, 4427), (271, 4457), (312, 4541), (346, 4583), (398, 4643), (401, 4649), (446, 4739), (449, 4751), (470, 4826), (477, 4844), (520, 4922), (535, 4967), (549, 5024), (623, 5237), (631, 5261), (680, 5393), (747, 5480),

Gene: Manu_15 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Manu_15:

(Start: 74 @8726 has 530 MA's), (Start: 114 @8756 has 8 MA's), (129, 8783), (174, 8888), (223, 9002), (242, 9068), (265, 9125), (301, 9203), (303, 9206), (421, 9347), (459, 9458), (461, 9464), (467, 9485), (544, 9650), (584, 9776), (601, 9830), (603, 9836), (608, 9851), (621, 9887), (649, 9974), (662, 10004), (677, 10034), (696, 10079), (706, 10088),

Gene: MarQuardt_14 Start: 8655, Stop: 10109, Start Num: 74

Candidate Starts for MarQuardt_14:

(Start: 74 @8655 has 530 MA's), (Start: 114 @8685 has 8 MA's), (129, 8712), (174, 8817), (223, 8931), (242, 8997), (265, 9054), (301, 9132), (303, 9135), (421, 9276), (459, 9387), (461, 9393), (467, 9414), (544, 9579), (584, 9705), (601, 9759), (603, 9765), (608, 9780), (621, 9816), (649, 9903), (662, 9933), (677, 9963), (696, 10008), (706, 10017),

Gene: Marav_10 Start: 4776, Stop: 6257, Start Num: 108

Candidate Starts for Marav_10:

(Start: 108 @4776 has 156 MA's), (Start: 166 @4893 has 2 MA's), (184, 4941), (187, 4953), (197, 4992), (237, 5106), (312, 5256), (346, 5298), (364, 5325), (447, 5454), (449, 5463), (461, 5505), (470, 5538), (477, 5556), (483, 5574), (486, 5583), (513, 5664), (527, 5700), (535, 5721), (547, 5772), (549, 5778), (607, 5958), (631, 6015), (661, 6105), (664, 6114), (747, 6243),

Gene: Marcell_12 Start: 8619, Stop: 10061, Start Num: 112

Candidate Starts for Marcell_12:

(64, 8553), (Start: 112 @8619 has 204 MA's), (195, 8817), (288, 9030), (421, 9225), (425, 9237), (459, 9336), (547, 9531), (561, 9570), (584, 9648), (586, 9654), (601, 9702), (605, 9714), (608, 9723), (639, 9813), (677, 9903), (687, 9936), (696, 9948),

Gene: Marchesa_12 Start: 8244, Stop: 9710, Start Num: 75

Candidate Starts for Marchesa_12:

(Start: 75 @8244 has 72 MA's), (174, 8415), (204, 8499), (233, 8562), (242, 8595), (246, 8613), (265, 8652), (281, 8679), (300, 8727), (418, 8868), (422, 8877), (452, 8958), (458, 8982), (459, 8985), (461, 8991), (467, 9012), (468, 9018), (544, 9189), (584, 9315), (585, 9318), (601, 9369), (603, 9375), (608, 9390), (617, 9420), (662, 9546), (677, 9576), (687, 9606),

Gene: Marchy_11 Start: 8246, Stop: 9688, Start Num: 112

Candidate Starts for Marchy_11:

(64, 8180), (Start: 112 @8246 has 204 MA's), (195, 8444), (288, 8657), (291, 8669), (301, 8693), (421, 8852), (425, 8864), (459, 8963), (547, 9158), (561, 9197), (584, 9275), (586, 9281), (601, 9329), (605, 9341), (608, 9350), (639, 9440), (677, 9530), (687, 9563), (696, 9575),

Gene: Marco3_12 Start: 8891, Stop: 10333, Start Num: 112

Candidate Starts for Marco3_12:

(64, 8825), (Start: 112 @8891 has 204 MA's), (195, 9089), (288, 9302), (421, 9497), (425, 9509), (459, 9608), (547, 9803), (561, 9842), (584, 9920), (586, 9926), (601, 9974), (605, 9986), (608, 9995), (639, 10085), (677, 10175), (687, 10208), (696, 10220),

Gene: Marcoliusprime_5 Start: 2088, Stop: 3593, Start Num: 50

Candidate Starts for Marcoliusprime_5:

(Start: 50 @2088 has 160 MA's), (81, 2133), (109, 2154), (131, 2190), (Start: 166 @2271 has 2 MA's), (186, 2328), (189, 2340), (195, 2364), (197, 2370), (227, 2421), (231, 2439), (237, 2460), (246, 2496), (248, 2502), (288, 2562), (333, 2652), (351, 2673), (368, 2700), (395, 2742), (396, 2748), (404, 2766), (425, 2814), (441, 2847), (444, 2853), (457, 2901), (464, 2922), (473, 2952), (517, 2985), (525, 3003), (526, 3009), (535, 3033), (550, 3093), (555, 3105), (557, 3111), (571, 3150), (607, 3270), (628, 3312), (660, 3411), (661, 3414), (664, 3423), (684, 3474), (720, 3519), (760, 3570),

Gene: Margaret_8 Start: 3559, Stop: 5004, Start Num: 115

Candidate Starts for Margaret_8:

(Start: 115 @3559 has 54 MA's), (129, 3574), (172, 3676), (184, 3697), (185, 3700), (213, 3763), (225, 3790), (236, 3832), (244, 3862), (246, 3871), (277, 3919), (310, 3991), (342, 4027), (422, 4123), (449, 4195), (454, 4213), (456, 4219), (461, 4237), (463, 4243), (520, 4387), (554, 4486), (617, 4684), (621, 4693), (642, 4762), (662, 4807), (685, 4867), (694, 4879), (759, 4993),

Gene: Marge_13 Start: 9142, Stop: 10584, Start Num: 112

Candidate Starts for Marge_13:

(64, 9076), (Start: 112 @9142 has 204 MA's), (195, 9340), (288, 9553), (421, 9748), (459, 9859), (547, 10054), (561, 10093), (584, 10171), (586, 10177), (601, 10225), (605, 10237), (608, 10246), (639, 10336), (677, 10426), (687, 10459), (696, 10471),

Gene: Margo_13 Start: 8763, Stop: 10232, Start Num: 74

Candidate Starts for Margo_13:

(Start: 74 @8763 has 530 MA's), (117, 8802), (174, 8928), (204, 9012), (233, 9075), (242, 9108), (246, 9126), (265, 9165), (281, 9192), (301, 9243), (414, 9369), (418, 9381), (424, 9396), (425, 9399), (452, 9471), (458, 9495), (459, 9498), (461, 9504), (467, 9525), (468, 9531), (477, 9555), (496, 9597), (544, 9702), (584, 9828), (585, 9831), (601, 9882), (603, 9888), (608, 9903), (617, 9933), (662, 10059), (677, 10089), (687, 10119),

Gene: Marie_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for Marie_14:

(Start: 74 @8652 has 530 MA's), (Start: 114 @8682 has 8 MA's), (129, 8709), (174, 8814), (223, 8928), (242, 8994), (265, 9051), (301, 9129), (303, 9132), (421, 9273), (459, 9384), (461, 9390), (467, 9411), (544, 9576), (584, 9702), (601, 9756), (603, 9762), (608, 9777), (621, 9813), (649, 9900), (662, 9930), (677, 9960), (696, 10005), (706, 10014),

Gene: Marius_15 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Marius_15:

(Start: 74 @8726 has 530 MA's), (Start: 114 @8756 has 8 MA's), (129, 8783), (174, 8888), (223, 9002), (242, 9068), (265, 9125), (301, 9203), (303, 9206), (421, 9347), (459, 9458), (461, 9464), (467, 9485), (511, 9575), (544, 9650), (584, 9776), (601, 9830), (603, 9836), (608, 9851), (621, 9887), (649, 9974), (662, 10004), (677, 10034), (696, 10079), (706, 10088),

Gene: MarkPhew_8 Start: 2868, Stop: 4424, Start Num: 50

Candidate Starts for MarkPhew_8:

(31, 2763), (Start: 49 @2853 has 25 MA's), (Start: 50 @2868 has 160 MA's), (70, 2904), (92, 2922), (131, 2979), (135, 2988), (Start: 166 @3060 has 2 MA's), (174, 3084), (181, 3102), (186, 3117), (188, 3126), (237, 3249), (241, 3264), (247, 3288), (248, 3291), (294, 3369), (315, 3408), (351, 3465), (396, 3540), (404, 3558), (421, 3594), (424, 3603), (441, 3639), (452, 3672), (457, 3693), (464, 3714), (517, 3777), (525, 3795), (546, 3873), (550, 3885), (552, 3888), (556, 3900), (557, 3903), (600, 4035), (607, 4056), (614, 4077), (628, 4098), (637, 4137), (639, 4149), (640, 4152), (660, 4197), (661, 4200), (664, 4209), (681, 4245),

Gene: Marker_4 Start: 2198, Stop: 3619, Start Num: 108

Candidate Starts for Marker_4:

(Start: 108 @2198 has 156 MA's), (124, 2225), (131, 2237), (184, 2366), (188, 2384), (197, 2417), (231, 2486), (241, 2522), (246, 2543), (248, 2549), (271, 2573), (273, 2576), (308, 2651), (312, 2657), (323, 2684), (336, 2702), (366, 2744), (397, 2795), (406, 2813), (421, 2846), (424, 2855), (425, 2858), (447, 2906), (449, 2915), (457, 2945), (463, 2963), (473, 2996), (526, 3053), (550, 3137), (557, 3155), (565, 3182), (571, 3194), (573, 3197), (575, 3203), (576, 3218), (587, 3251), (628, 3356), (650, 3431), (652, 3437), (655, 3446), (660, 3455), (664, 3467), (693, 3530), (728, 3578),

Gene: Marmie_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Marmie_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743),

(506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Maroc7_11 Start: 8432, Stop: 9874, Start Num: 112

Candidate Starts for Maroc7_11:

(64, 8366), (Start: 112 @8432 has 204 MA's), (195, 8630), (288, 8843), (421, 9038), (425, 9050), (459, 9149), (547, 9344), (561, 9383), (584, 9461), (586, 9467), (601, 9515), (605, 9527), (608, 9536), (639, 9626), (677, 9716), (687, 9749), (696, 9761),

Gene: Marsha_12 Start: 8876, Stop: 10318, Start Num: 112

Candidate Starts for Marsha_12:

(64, 8810), (Start: 112 @8876 has 204 MA's), (174, 9011), (195, 9074), (288, 9287), (421, 9482), (425, 9494), (459, 9593), (547, 9788), (561, 9827), (584, 9905), (586, 9911), (601, 9959), (605, 9971), (608, 9980), (639, 10070), (677, 10160), (687, 10193), (696, 10205),

Gene: Marshawn_10 Start: 3463, Stop: 5013, Start Num: 50

Candidate Starts for Marshawn_10:

(28, 3331), (31, 3358), (Start: 49 @3448 has 25 MA's), (Start: 50 @3463 has 160 MA's), (54, 3472), (94, 3523), (131, 3577), (160, 3649), (Start: 166 @3658 has 2 MA's), (174, 3682), (186, 3715), (188, 3724), (231, 3826), (237, 3847), (241, 3862), (248, 3889), (251, 3901), (294, 3967), (315, 4006), (351, 4063), (395, 4132), (404, 4156), (424, 4201), (425, 4204), (441, 4237), (452, 4270), (457, 4291), (464, 4312), (517, 4375), (525, 4393), (526, 4399), (541, 4453), (546, 4471), (550, 4483), (557, 4501), (565, 4528), (601, 4636), (607, 4654), (637, 4735), (640, 4750), (650, 4771), (660, 4795), (661, 4798), (664, 4807), (681, 4843),

Gene: Marteena_3 Start: 2281, Stop: 3735, Start Num: 77

Candidate Starts for Marteena_3:

(35, 2128), (41, 2188), (Start: 77 @2281 has 21 MA's), (183, 2467), (191, 2500), (202, 2533), (239, 2611), (241, 2620), (331, 2779), (344, 2794), (360, 2815), (422, 2884), (425, 2893), (440, 2926), (458, 2989), (461, 2998), (497, 3100), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3682),

Gene: Marvin_34 Start: 12859, Stop: 14424, Start Num: 48

Candidate Starts for Marvin_34:

(Start: 48 @12859 has 17 MA's), (119, 12976), (122, 12982), (172, 13096), (190, 13141), (192, 13150), (233, 13240), (245, 13288), (246, 13291), (277, 13333), (281, 13336), (289, 13360), (334, 13432), (337, 13435), (367, 13474), (384, 13495), (386, 13498), (424, 13543), (456, 13633), (458, 13642), (461, 13651), (474, 13693), (475, 13696), (488, 13735), (510, 13777), (512, 13783), (514, 13786), (532, 13831), (554, 13900), (584, 13999), (588, 14011), (622, 14110), (641, 14176), (651, 14197), (656, 14212), (706, 14305), (717, 14320),

Gene: MaryBeth_12 Start: 8854, Stop: 10296, Start Num: 112

Candidate Starts for MaryBeth_12:

(64, 8788), (Start: 112 @8854 has 204 MA's), (195, 9052), (288, 9265), (421, 9460), (425, 9472), (459, 9571), (547, 9766), (561, 9805), (584, 9883), (586, 9889), (601, 9937), (605, 9949), (608, 9958), (639, 10048), (677, 10138), (687, 10171), (696, 10183),

Gene: MaryV_27 Start: 9704, Stop: 11143, Start Num: 87

Candidate Starts for MaryV_27:

(63, 9671), (Start: 80 @9695 has 8 MA's), (Start: 87 @9704 has 9 MA's), (123, 9755), (131, 9767), (136, 9779), (187, 9911), (188, 9917), (189, 9920), (190, 9923), (195, 9944), (197, 9950), (230, 10010), (231, 10019), (237, 10040), (267, 10118), (411, 10298), (425, 10328), (433, 10346), (441, 10361), (450, 10388), (459, 10421), (463, 10433), (464, 10436), (481, 10481), (516, 10517), (526, 10538),

(543, 10601), (561, 10652), (584, 10724), (601, 10778), (604, 10787), (635, 10868), (641, 10898), (660, 10940), (672, 10967), (701, 11018), (709, 11027), (751, 11084), (763, 11123),

Gene: MarysWell_9 Start: 7907, Stop: 9340, Start Num: 75

Candidate Starts for MarysWell_9:

(Start: 75 @7907 has 72 MA's), (170, 8042), (185, 8075), (188, 8090), (190, 8096), (252, 8264), (265, 8291), (301, 8369), (363, 8450), (424, 8522), (425, 8525), (452, 8597), (461, 8630), (467, 8651), (477, 8681), (484, 8696), (501, 8726), (584, 8942), (601, 8996), (607, 9014), (621, 9053), (662, 9170), (677, 9200), (685, 9230), (706, 9254),

Gene: MaterMagnus_4 Start: 2274, Stop: 3605, Start Num: 111

Candidate Starts for MaterMagnus_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (117, 2283), (165, 2385), (170, 2397), (227, 2538), (239, 2583), (243, 2598), (248, 2619), (281, 2655), (288, 2673), (328, 2754), (365, 2799), (430, 2877), (457, 2958), (461, 2970), (462, 2973), (468, 2997), (485, 3039), (542, 3150), (547, 3165), (559, 3195), (587, 3291), (677, 3531), (678, 3534), (681, 3540), (716, 3591),

Gene: Maureen_3 Start: 2290, Stop: 3813, Start Num: 100

Candidate Starts for Maureen_3:

(Start: 100 @2290 has 21 MA's), (Start: 108 @2296 has 156 MA's), (117, 2311), (147, 2374), (Start: 166 @2413 has 2 MA's), (351, 2800), (421, 2890), (458, 2986), (544, 3175), (555, 3205), (561, 3223), (573, 3253), (579, 3283), (641, 3472), (647, 3481), (741, 3652), (761, 3697), (772, 3757),

Gene: Maverick_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Maverick_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Maxo_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for Maxo_12:

(Start: 74 @8579 has 530 MA's), (170, 8726), (174, 8738), (239, 8906), (246, 8936), (265, 8975), (276, 8993), (301, 9053), (414, 9182), (421, 9200), (425, 9212), (459, 9311), (461, 9317), (467, 9338), (468, 9344), (496, 9413), (528, 9473), (544, 9518), (584, 9644), (585, 9647), (601, 9698), (608, 9719), (617, 9749), (647, 9839), (662, 9875), (667, 9887), (677, 9905), (685, 9935),

Gene: Mayonnaise_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Mayonnaise_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Mayweather_6 Start: 3191, Stop: 4639, Start Num: 115

Candidate Starts for Mayweather_6:

(Start: 115 @3191 has 54 MA's), (133, 3221), (164, 3299), (190, 3365), (191, 3371), (213, 3407), (228, 3443), (247, 3518), (288, 3587), (301, 3620), (305, 3626), (334, 3662), (424, 3773), (425, 3776), (429, 3782), (454, 3857), (459, 3875), (461, 3881), (474, 3923), (499, 3992), (530, 4058), (554, 4130), (607, 4301), (621, 4334), (640, 4394), (641, 4400), (647, 4415), (662, 4448), (685, 4508), (687, 4511), (759, 4622),

Gene: Mazhar510_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for Mazhar510_12:

(Start: 74 @8579 has 530 MA's), (170, 8726), (174, 8738), (239, 8906), (246, 8936), (265, 8975), (276, 8993), (301, 9053), (414, 9182), (421, 9200), (425, 9212), (459, 9311), (461, 9317), (467, 9338), (468, 9344), (496, 9413), (528, 9473), (544, 9518), (584, 9644), (585, 9647), (601, 9698), (608, 9719), (617, 9749), (647, 9839), (662, 9875), (677, 9905), (685, 9935),

Gene: McFly_16 Start: 9284, Stop: 10747, Start Num: 74

Candidate Starts for McFly_16:

(Start: 74 @9284 has 530 MA's), (97, 9305), (129, 9344), (167, 9431), (171, 9443), (174, 9449), (288, 9731), (434, 9944), (452, 9995), (459, 10022), (461, 10028), (467, 10049), (608, 10415), (617, 10442), (621, 10451), (640, 10511), (662, 10568), (677, 10598), (685, 10628), (709, 10655),

Gene: McGuire_13 Start: 8737, Stop: 10179, Start Num: 112

Candidate Starts for McGuire_13:

(64, 8671), (Start: 112 @8737 has 204 MA's), (195, 8935), (288, 9148), (421, 9343), (425, 9355), (459, 9454), (547, 9649), (561, 9688), (584, 9766), (586, 9772), (601, 9820), (605, 9832), (608, 9841), (639, 9931), (677, 10021), (687, 10054), (696, 10066),

Gene: McMater_9 Start: 3102, Stop: 4652, Start Num: 50

Candidate Starts for McMater_9:

(31, 2997), (Start: 49 @3087 has 25 MA's), (Start: 50 @3102 has 160 MA's), (131, 3204), (Start: 166 @3285 has 2 MA's), (174, 3309), (188, 3351), (231, 3453), (237, 3474), (241, 3489), (288, 3579), (294, 3594), (333, 3669), (366, 3714), (385, 3744), (395, 3759), (396, 3765), (404, 3783), (421, 3819), (425, 3831), (441, 3864), (452, 3897), (457, 3918), (462, 3933), (464, 3939), (473, 3969), (517, 4002), (525, 4020), (546, 4098), (550, 4110), (552, 4113), (556, 4125), (557, 4128), (573, 4164), (600, 4260), (601, 4263), (607, 4281), (628, 4323), (639, 4374), (650, 4398), (660, 4422), (661, 4425), (664, 4434), (690, 4494), (720, 4530), (735, 4557),

Gene: McSinger_13 Start: 8817, Stop: 10259, Start Num: 112

Candidate Starts for McSinger_13:

(64, 8751), (Start: 112 @8817 has 204 MA's), (195, 9015), (288, 9228), (421, 9423), (459, 9534), (484, 9606), (547, 9729), (561, 9768), (584, 9846), (586, 9852), (601, 9900), (605, 9912), (608, 9921), (639, 10011), (677, 10101), (687, 10134), (696, 10146),

Gene: Mdavu_5 Start: 2283, Stop: 3839, Start Num: 50

Candidate Starts for Mdavu_5:

(29, 2157), (31, 2178), (Start: 49 @2268 has 25 MA's), (Start: 50 @2283 has 160 MA's), (109, 2352), (119, 2367), (131, 2388), (Start: 166 @2469 has 2 MA's), (174, 2493), (186, 2526), (195, 2562), (231, 2637), (237, 2658), (241, 2673), (294, 2778), (327, 2844), (351, 2874), (383, 2928), (404, 2970), (421, 3006), (425, 3018), (441, 3051), (452, 3084), (464, 3126), (473, 3156), (517, 3189), (525, 3207), (526, 3213), (541, 3267), (546, 3285), (550, 3297), (556, 3312), (557, 3315), (569, 3348), (600, 3447), (601, 3450), (607, 3468), (628, 3510), (639, 3561), (640, 3564), (650, 3585), (660, 3609), (661, 3612), (664, 3621), (681, 3657), (684, 3672), (701, 3693),

Gene: MeaningOfLife_9 Start: 2996, Stop: 4552, Start Num: 50

Candidate Starts for MeaningOfLife_9:

(31, 2894), (Start: 49 @2981 has 25 MA's), (Start: 50 @2996 has 160 MA's), (128, 3095), (131, 3104), (160, 3176), (Start: 166 @3185 has 2 MA's), (174, 3209), (186, 3242), (188, 3251), (197, 3284), (231, 3353), (248, 3416), (288, 3482), (294, 3497), (333, 3572), (351, 3593), (385, 3647), (441, 3767), (452, 3800), (457, 3821), (464, 3842), (473, 3872), (517, 3905), (525, 3923), (541, 3983), (546, 4001), (550, 4013), (552, 4016), (556, 4028), (557, 4031), (573, 4067), (585, 4115), (601, 4166), (607, 4184), (640, 4280), (650, 4301), (661, 4328), (664, 4337), (681, 4373),

Gene: Medusa_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Medusa_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: MeeZee_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for MeeZee_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Megsy_9 Start: 2995, Stop: 4548, Start Num: 50

Candidate Starts for Megsy_9:

(28, 2866), (31, 2893), (Start: 49 @2980 has 25 MA's), (Start: 50 @2995 has 160 MA's), (128, 3094), (131, 3103), (160, 3175), (Start: 166 @3184 has 2 MA's), (174, 3208), (186, 3241), (197, 3283), (231, 3352), (237, 3373), (247, 3412), (288, 3481), (294, 3496), (333, 3571), (351, 3592), (385, 3646), (441, 3766), (452, 3799), (457, 3820), (464, 3841), (473, 3871), (517, 3904), (525, 3922), (546, 4000), (550, 4012), (552, 4015), (556, 4027), (557, 4030), (573, 4066), (585, 4114), (607, 4183), (640, 4279), (650, 4300), (661, 4327), (664, 4336), (681, 4372), (717, 4426),

Gene: Melvin_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Melvin_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Mendokysei_3 Start: 2531, Stop: 4096, Start Num: 53

Candidate Starts for Mendokysei_3:

(Start: 53 @2531 has 7 MA's), (60, 2549), (Start: 121 @2639 has 1 MA's), (152, 2717), (184, 2777), (198, 2831), (204, 2843), (223, 2873), (241, 2936), (246, 2957), (253, 2969), (259, 2981), (276, 2993), (288, 3020), (354, 3137), (368, 3155), (427, 3224), (443, 3263), (445, 3269), (446, 3272), (459, 3320), (469, 3356), (521, 3455), (529, 3470), (555, 3554), (578, 3635), (592, 3677), (595, 3683), (601, 3707), (647, 3839), (696, 3953), (758, 4064),

Gene: Mercurio_4 Start: 2602, Stop: 4089, Start Num: 59

Candidate Starts for Mercurio_4:

(32, 2467), (Start: 59 @2602 has 72 MA's), (156, 2758), (184, 2812), (238, 2962), (239, 2965), (301, 3094), (360, 3175), (422, 3238), (459, 3346), (461, 3352), (466, 3370), (489, 3439), (496, 3457), (506, 3472), (534, 3529), (546, 3571), (554, 3592), (577, 3673), (601, 3748), (641, 3874),

Gene: MetalQZJ_12 Start: 8854, Stop: 10296, Start Num: 112

Candidate Starts for MetalQZJ_12:

(64, 8788), (Start: 112 @8854 has 204 MA's), (195, 9052), (288, 9265), (421, 9460), (425, 9472), (459, 9571), (547, 9766), (561, 9805), (584, 9883), (586, 9889), (601, 9937), (605, 9949), (608, 9958), (639, 10048), (677, 10138), (687, 10171), (696, 10183),

Gene: Methuselah_14 Start: 8737, Stop: 10191, Start Num: 74

Candidate Starts for Methuselah_14:

(Start: 74 @8737 has 530 MA's), (Start: 114 @8767 has 8 MA's), (129, 8794), (174, 8899), (223, 9013), (242, 9079), (265, 9136), (301, 9214), (303, 9217), (421, 9358), (459, 9469), (461, 9475), (467, 9496), (544, 9661), (584, 9787), (601, 9841), (603, 9847), (608, 9862), (621, 9898), (649, 9985), (662, 10015), (677, 10045), (696, 10090), (706, 10099),

Gene: Meyran_5 Start: 3062, Stop: 4528, Start Num: 111

Candidate Starts for Meyran_5:

(Start: 111 @3062 has 22 MA's), (132, 3095), (170, 3185), (190, 3245), (193, 3257), (195, 3266), (229, 3329), (240, 3374), (241, 3377), (242, 3380), (245, 3395), (246, 3398), (248, 3404), (268, 3437), (284, 3461), (299, 3509), (321, 3554), (330, 3572), (341, 3584), (349, 3593), (353, 3599), (368, 3623), (409, 3671), (452, 3776), (465, 3821), (480, 3869), (509, 3950), (524, 3983), (528, 3998), (536, 4022), (546, 4064), (561, 4106), (571, 4133), (576, 4157), (597, 4223), (600, 4232), (624, 4283), (639, 4334), (660, 4382), (672, 4409), (678, 4421), (703, 4466), (735, 4511),

Gene: Micasa_10 Start: 7908, Stop: 9341, Start Num: 75

Candidate Starts for Micasa_10:

(Start: 75 @7908 has 72 MA's), (179, 8064), (185, 8076), (188, 8091), (190, 8097), (252, 8265), (265, 8292), (301, 8370), (363, 8451), (424, 8523), (425, 8526), (452, 8598), (461, 8631), (467, 8652), (473, 8670), (477, 8682), (501, 8727), (584, 8943), (601, 8997), (607, 9015), (621, 9054), (662, 9171), (677, 9201), (685, 9231), (706, 9255),

Gene: Michley_12 Start: 8602, Stop: 10044, Start Num: 112

Candidate Starts for Michley_12:

(64, 8536), (Start: 112 @8602 has 204 MA's), (195, 8800), (288, 9013), (421, 9208), (425, 9220), (459, 9319), (547, 9514), (561, 9553), (584, 9631), (586, 9637), (601, 9685), (605, 9697), (608, 9706), (639, 9796), (677, 9886), (687, 9919), (696, 9931),

Gene: Microwolf_14 Start: 8655, Stop: 10109, Start Num: 74

Candidate Starts for Microwolf_14:

(Start: 74 @8655 has 530 MA's), (Start: 114 @8685 has 8 MA's), (129, 8712), (174, 8817), (223, 8931), (242, 8997), (265, 9054), (301, 9132), (303, 9135), (421, 9276), (459, 9387), (461, 9393), (467, 9414), (544, 9579), (584, 9705), (601, 9759), (603, 9765), (608, 9780), (621, 9816), (649, 9903), (662, 9933), (677, 9963), (696, 10008), (706, 10017),

Gene: MiculUcigas_13 Start: 9268, Stop: 10728, Start Num: 74

Candidate Starts for MiculUcigas_13:

(Start: 74 @9268 has 530 MA's), (129, 9328), (170, 9421), (174, 9433), (288, 9715), (301, 9748), (422, 9895), (425, 9904), (452, 9976), (459, 10003), (461, 10009), (467, 10030), (565, 10258), (601, 10375), (608, 10396), (617, 10423), (621, 10432), (662, 10549), (677, 10579), (685, 10609), (706, 10633),

Gene: Midas2_10 Start: 7907, Stop: 9340, Start Num: 75

Candidate Starts for Midas2_10:

(Start: 75 @7907 has 72 MA's), (179, 8063), (185, 8075), (188, 8090), (190, 8096), (252, 8264), (265, 8291), (301, 8369), (363, 8450), (424, 8522), (425, 8525), (452, 8597), (461, 8630), (467, 8651), (473, 8669), (477, 8681), (501, 8726), (584, 8942), (601, 8996), (607, 9014), (621, 9053), (662, 9170), (677, 9200), (685, 9230), (706, 9254),

Gene: MidnightRain_4 Start: 2274, Stop: 3605, Start Num: 111

Candidate Starts for MidnightRain_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (117, 2283), (165, 2385), (170, 2397), (227, 2538), (239, 2583), (243, 2598), (248, 2619), (281, 2655), (288, 2673), (328, 2754), (365, 2799), (430, 2877), (457, 2958), (461, 2970), (462, 2973), (468, 2997), (485, 3039), (542, 3150), (547, 3165), (559, 3195), (587, 3291), (677, 3531), (678, 3534), (681, 3540), (716, 3591),

Gene: Miko_16 Start: 10888, Stop: 12345, Start Num: 74

Candidate Starts for Miko_16:

(Start: 74 @10888 has 530 MA's), (129, 10948), (141, 10972), (174, 11053), (252, 11263), (265, 11290), (288, 11335), (344, 11428), (425, 11524), (452, 11596), (459, 11623), (461, 11629), (467, 11650), (468, 11656), (486, 11701), (601, 11995), (607, 12013), (612, 12031), (617, 12043), (621, 12052), (649, 12139), (662, 12169), (667, 12181), (677, 12199), (685, 12229),

Gene: Milcery_10 Start: 7944, Stop: 9377, Start Num: 75

Candidate Starts for Milcery_10:

(Start: 75 @7944 has 72 MA's), (179, 8100), (185, 8112), (188, 8127), (190, 8133), (252, 8301), (265, 8328), (301, 8406), (363, 8487), (424, 8559), (425, 8562), (452, 8634), (461, 8667), (467, 8688), (473, 8706), (477, 8718), (501, 8763), (584, 8979), (601, 9033), (607, 9051), (621, 9090), (662, 9207), (677, 9237), (685, 9267), (706, 9291),

Gene: Miley16_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Miley16_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Millski_12 Start: 8581, Stop: 10032, Start Num: 74

Candidate Starts for Millski_12:

(Start: 74 @8581 has 530 MA's), (170, 8728), (174, 8740), (239, 8908), (246, 8938), (265, 8977), (276, 8995), (301, 9055), (414, 9184), (421, 9202), (425, 9214), (459, 9313), (461, 9319), (467, 9340), (468, 9346), (496, 9415), (528, 9475), (544, 9520), (584, 9646), (585, 9649), (601, 9700), (608, 9721), (617, 9751), (647, 9841), (662, 9877), (677, 9907), (685, 9937),

Gene: Milly_5 Start: 2088, Stop: 3593, Start Num: 50

Candidate Starts for Milly_5:

(Start: 50 @2088 has 160 MA's), (81, 2133), (109, 2154), (131, 2190), (Start: 166 @2271 has 2 MA's), (186, 2328), (189, 2340), (195, 2364), (197, 2370), (227, 2421), (231, 2439), (237, 2460), (246, 2496), (248, 2502), (271, 2526), (288, 2562), (333, 2652), (351, 2673), (368, 2700), (395, 2742), (396, 2748), (404, 2766), (425, 2814), (441, 2847), (457, 2901), (464, 2922), (473, 2952), (517, 2985), (525, 3003), (526, 3009), (535, 3033), (550, 3093), (555, 3105), (557, 3111), (571, 3150), (607, 3270), (628, 3312), (660, 3411), (661, 3414), (664, 3423), (684, 3474), (720, 3519), (760, 3570),

Gene: MinecraftSteve_16 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for MinecraftSteve_16:

(Start: 74 @8502 has 530 MA's), (129, 8562), (174, 8667), (196, 8733), (271, 8916), (288, 8949), (301, 8982), (452, 9213), (459, 9240), (461, 9246), (467, 9267), (474, 9288), (486, 9318), (501, 9342), (544, 9432), (555, 9462), (584, 9558), (593, 9585), (601, 9612), (607, 9630), (608, 9633), (617, 9666), (621, 9675), (662, 9792), (677, 9822), (706, 9876),

Gene: MiniLon_6 Start: 2762, Stop: 4405, Start Num: 84

Candidate Starts for MiniLon_6:

(Start: 84 @2762 has 64 MA's), (128, 2822), (187, 2963), (189, 2972), (197, 3002), (231, 3074), (249, 3140), (278, 3188), (327, 3281), (372, 3320), (418, 3377), (421, 3383), (425, 3395), (432, 3410), (437, 3419), (444, 3434), (528, 3623), (538, 3656), (548, 3695), (562, 3737), (628, 3920), (638, 3962), (647, 3989), (650, 3998), (677, 4058), (690, 4088), (698, 4097), (747, 4172), (762, 4205),

Gene: MiniMac_6 Start: 2762, Stop: 4405, Start Num: 84

Candidate Starts for MiniMac_6:

(Start: 84 @2762 has 64 MA's), (128, 2822), (189, 2972), (197, 3002), (231, 3074), (249, 3140), (278, 3188), (327, 3281), (372, 3320), (418, 3377), (421, 3383), (425, 3395), (432, 3410), (437, 3419), (444, 3434), (528, 3623), (538, 3656), (548, 3695), (562, 3737), (628, 3920), (638, 3962), (647, 3989), (650, 3998), (677, 4058), (690, 4088), (698, 4097), (747, 4172), (762, 4205),

Gene: MiniMommy_3 Start: 2299, Stop: 3663, Start Num: 100

Candidate Starts for MiniMommy_3:

(Start: 100 @2299 has 21 MA's), (160, 2413), (Start: 166 @2422 has 2 MA's), (197, 2521), (449, 2962), (450, 2965), (544, 3184), (573, 3262), (641, 3481), (647, 3490),

Gene: Miramae_12 Start: 8532, Stop: 9986, Start Num: 74

Candidate Starts for Miramae_12:

(Start: 74 @8532 has 530 MA's), (170, 8682), (174, 8694), (233, 8841), (239, 8862), (246, 8892), (265, 8931), (276, 8949), (301, 9009), (414, 9138), (421, 9156), (425, 9168), (459, 9267), (461, 9273), (467, 9294), (468, 9300), (496, 9369), (544, 9474), (565, 9537), (584, 9600), (585, 9603), (601, 9654), (603, 9660), (608, 9675), (617, 9705), (647, 9795), (662, 9831), (677, 9861), (685, 9891), (756, 9972),

Gene: Miryou_7 Start: 2766, Stop: 4301, Start Num: 50

Candidate Starts for Miryou_7:

(Start: 50 @2766 has 160 MA's), (109, 2838), (131, 2874), (135, 2883), (149, 2928), (186, 3012), (189, 3024), (197, 3054), (207, 3072), (231, 3123), (241, 3159), (248, 3186), (286, 3237), (287, 3240), (288, 3246), (294, 3261), (297, 3264), (333, 3336), (351, 3357), (370, 3387), (396, 3432), (421, 3486), (441, 3531), (452, 3564), (462, 3600), (463, 3603), (464, 3606), (517, 3669), (525, 3687), (526, 3693), (546, 3765), (550, 3777), (552, 3780), (557, 3795), (575, 3840), (576, 3855), (583, 3876), (600, 3930), (601, 3933), (607, 3951), (612, 3966), (637, 4032), (640, 4047), (650, 4068), (657, 4086), (664, 4104), (681, 4140), (735, 4227),

Gene: Misha28_4 Start: 2202, Stop: 3623, Start Num: 108

Candidate Starts for Misha28_4:

(Start: 108 @2202 has 156 MA's), (124, 2229), (131, 2241), (184, 2370), (188, 2388), (190, 2394), (197, 2421), (231, 2490), (241, 2526), (246, 2547), (248, 2553), (271, 2577), (273, 2580), (287, 2607), (308, 2655), (312, 2661), (323, 2688), (336, 2706), (397, 2799), (406, 2817), (421, 2850), (424, 2859), (425, 2862), (447, 2910), (449, 2919), (457, 2949), (463, 2967), (473, 3000), (526, 3057), (550, 3141), (557, 3159), (565, 3186), (571, 3198), (573, 3201), (575, 3207), (576, 3222), (587, 3255), (628, 3360), (650, 3435), (652, 3441), (655, 3450), (660, 3459), (664, 3471), (693, 3534), (728, 3582),

Gene: Misomonster_16 Start: 8737, Stop: 10191, Start Num: 74

Candidate Starts for Misomonster_16:

(Start: 74 @8737 has 530 MA's), (Start: 114 @8767 has 8 MA's), (129, 8794), (174, 8899), (223, 9013), (242, 9079), (265, 9136), (301, 9214), (303, 9217), (421, 9358), (459, 9469), (461, 9475), (467, 9496), (544, 9661), (584, 9787), (601, 9841), (603, 9847), (608, 9862), (621, 9898), (649, 9985), (662, 10015), (677, 10045), (696, 10090), (706, 10099),

Gene: MissDaisy_10 Start: 3878, Stop: 5464, Start Num: 50

Candidate Starts for MissDaisy_10:

(Start: 49 @3863 has 25 MA's), (Start: 50 @3878 has 160 MA's), (60, 3902), (109, 3968), (135, 4013), (Start: 166 @4085 has 2 MA's), (186, 4142), (187, 4145), (189, 4154), (197, 4184), (231, 4253), (237, 4274), (241, 4289), (246, 4310), (248, 4316), (271, 4340), (288, 4376), (294, 4391), (315, 4430), (399, 4565), (404, 4574), (414, 4592), (424, 4619), (425, 4622), (441, 4655), (452, 4688), (457, 4709), (464, 4730), (517, 4793), (526, 4817), (535, 4841), (546, 4889), (550, 4901), (555, 4913), (557, 4919), (571,

4958), (605, 5072), (607, 5078), (650, 5249), (661, 5276), (664, 5285), (693, 5348), (704, 5360),

Gene: MissSwiss_3 Start: 2285, Stop: 3661, Start Num: 104

Candidate Starts for MissSwiss_3:

(Start: 104 @2285 has 48 MA's), (160, 2396), (Start: 166 @2405 has 2 MA's), (197, 2504), (266, 2666), (451, 2951), (478, 3041), (555, 3200), (573, 3248), (579, 3278), (587, 3302), (647, 3476),

Gene: MissWhite_13 Start: 8253, Stop: 9710, Start Num: 74

Candidate Starts for MissWhite_13:

(Start: 74 @8253 has 530 MA's), (97, 8274), (129, 8313), (174, 8418), (288, 8700), (354, 8805), (425, 8892), (452, 8964), (459, 8991), (461, 8997), (467, 9018), (601, 9363), (608, 9384), (617, 9411), (621, 9420), (662, 9537), (677, 9567), (685, 9597), (706, 9621),

Gene: Mitti_10 Start: 3935, Stop: 5521, Start Num: 50

Candidate Starts for Mitti_10:

(Start: 49 @3920 has 25 MA's), (Start: 50 @3935 has 160 MA's), (60, 3959), (109, 4025), (135, 4070), (186, 4199), (188, 4208), (189, 4211), (197, 4241), (231, 4310), (237, 4331), (246, 4367), (248, 4373), (271, 4397), (288, 4433), (294, 4448), (315, 4487), (399, 4622), (404, 4631), (414, 4649), (424, 4676), (425, 4679), (441, 4712), (452, 4745), (457, 4766), (464, 4787), (517, 4850), (526, 4874), (535, 4898), (546, 4946), (550, 4958), (555, 4970), (557, 4976), (571, 5015), (605, 5129), (607, 5135), (650, 5306), (661, 5333), (664, 5342), (693, 5405), (704, 5417),

Gene: MkaliMitinis3_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for MkaliMitinis3_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Mkhuseli_13 Start: 8763, Stop: 10205, Start Num: 112

Candidate Starts for Mkhuseli_13:

(64, 8697), (Start: 112 @8763 has 204 MA's), (174, 8898), (195, 8961), (288, 9174), (421, 9369), (425, 9381), (459, 9480), (547, 9675), (561, 9714), (584, 9792), (586, 9798), (601, 9846), (605, 9858), (608, 9867), (639, 9957), (677, 10047), (687, 10080), (696, 10092),

Gene: Molly_13 Start: 8462, Stop: 9904, Start Num: 112

Candidate Starts for Molly_13:

(64, 8396), (Start: 112 @8462 has 204 MA's), (195, 8660), (288, 8873), (421, 9068), (422, 9071), (459, 9179), (547, 9374), (561, 9413), (584, 9491), (586, 9497), (601, 9545), (605, 9557), (608, 9566), (639, 9656), (677, 9746), (687, 9779), (696, 9791),

Gene: Monet_14 Start: 9659, Stop: 11101, Start Num: 112

Candidate Starts for Monet_14:

(64, 9593), (Start: 112 @9659 has 204 MA's), (195, 9857), (288, 10070), (421, 10265), (425, 10277), (459, 10376), (484, 10448), (547, 10571), (561, 10610), (584, 10688), (586, 10694), (601, 10742), (605, 10754), (608, 10763), (639, 10853), (677, 10943), (687, 10976), (696, 10988),

Gene: MoneyMay_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for MoneyMay_14:

(Start: 74 @8652 has 530 MA's), (Start: 114 @8682 has 8 MA's), (129, 8709), (174, 8814), (223, 8928), (242, 8994), (265, 9051), (301, 9129), (303, 9132), (421, 9273), (459, 9384), (461, 9390), (467, 9411),

(544, 9576), (584, 9702), (601, 9756), (603, 9762), (608, 9777), (621, 9813), (649, 9900), (662, 9930), (677, 9960), (696, 10005), (706, 10014),

Gene: Moose_11 Start: 8695, Stop: 10137, Start Num: 112

Candidate Starts for Moose_11:

(64, 8629), (Start: 112 @8695 has 204 MA's), (195, 8893), (288, 9106), (421, 9301), (425, 9313), (459, 9412), (484, 9484), (547, 9607), (561, 9646), (584, 9724), (586, 9730), (601, 9778), (605, 9790), (608, 9799), (639, 9889), (677, 9979), (687, 10012), (696, 10024),

Gene: Moostard_6 Start: 2752, Stop: 4395, Start Num: 84

Candidate Starts for Moostard_6:

(Start: 84 @2752 has 64 MA's), (128, 2812), (189, 2962), (197, 2992), (231, 3064), (249, 3130), (278, 3178), (327, 3271), (372, 3310), (418, 3367), (421, 3373), (432, 3400), (437, 3409), (444, 3424), (528, 3613), (538, 3646), (548, 3685), (562, 3727), (628, 3910), (638, 3952), (647, 3979), (650, 3988), (677, 4048), (690, 4078), (698, 4087), (747, 4162), (762, 4195),

Gene: Morkie_3 Start: 1754, Stop: 3208, Start Num: 80

Candidate Starts for Morkie_3:

(Start: 80 @1754 has 8 MA's), (105, 1781), (135, 1823), (156, 1883), (170, 1907), (184, 1937), (219, 2027), (227, 2042), (239, 2087), (244, 2108), (247, 2120), (281, 2165), (312, 2234), (344, 2276), (369, 2306), (422, 2357), (450, 2432), (465, 2483), (474, 2513), (489, 2558), (499, 2582), (528, 2630), (534, 2645), (584, 2810), (601, 2864), (602, 2867), (645, 3002), (662, 3038), (724, 3143),

Gene: Morpher26_12 Start: 8587, Stop: 10038, Start Num: 74

Candidate Starts for Morpher26_12:

(Start: 74 @8587 has 530 MA's), (170, 8737), (174, 8749), (233, 8896), (239, 8917), (246, 8947), (265, 8986), (276, 9004), (281, 9013), (301, 9064), (414, 9193), (421, 9211), (440, 9256), (459, 9322), (461, 9328), (467, 9349), (468, 9355), (496, 9424), (528, 9484), (544, 9529), (584, 9655), (585, 9658), (601, 9709), (603, 9715), (607, 9727), (608, 9730), (617, 9757), (649, 9853), (662, 9883), (667, 9895), (677, 9913), (685, 9943),

Gene: Morrow_12 Start: 8581, Stop: 10032, Start Num: 74

Candidate Starts for Morrow_12:

(Start: 74 @8581 has 530 MA's), (170, 8728), (174, 8740), (239, 8908), (246, 8938), (265, 8977), (276, 8995), (301, 9055), (414, 9184), (421, 9202), (425, 9214), (459, 9313), (461, 9319), (467, 9340), (468, 9346), (496, 9415), (528, 9475), (544, 9520), (584, 9646), (585, 9649), (601, 9700), (603, 9706), (608, 9721), (617, 9751), (647, 9841), (662, 9877), (677, 9907), (685, 9937),

Gene: MortyNRick_3 Start: 2144, Stop: 3622, Start Num: 62

Candidate Starts for MortyNRick_3:

(Start: 62 @2144 has 13 MA's), (92, 2177), (Start: 100 @2186 has 21 MA's), (129, 2225), (140, 2246), (141, 2249), (142, 2252), (180, 2342), (184, 2351), (185, 2354), (226, 2441), (227, 2444), (241, 2498), (259, 2546), (269, 2561), (281, 2573), (289, 2597), (308, 2636), (350, 2687), (363, 2705), (391, 2735), (408, 2738), (418, 2759), (422, 2768), (429, 2783), (430, 2786), (440, 2810), (458, 2873), (461, 2882), (475, 2927), (481, 2945), (486, 2954), (517, 3023), (532, 3065), (568, 3179), (584, 3233), (596, 3269), (607, 3305), (621, 3344), (628, 3350), (647, 3425), (648, 3428), (656, 3446), (730, 3569),

Gene: MosMoris_34 Start: 12039, Stop: 13604, Start Num: 48

Candidate Starts for MosMoris_34:

(Start: 48 @12039 has 17 MA's), (119, 12156), (172, 12276), (190, 12321), (192, 12330), (233, 12420), (245, 12468), (246, 12471), (277, 12513), (281, 12516), (289, 12540), (334, 12612), (337, 12615), (367, 12654), (384, 12675), (386, 12678), (424, 12723), (456, 12813), (458, 12822), (461, 12831), (474, 12873), (475, 12876), (488, 12915), (510, 12957), (512, 12963), (514, 12966), (532, 13011),

(554, 13080), (584, 13179), (588, 13191), (622, 13290), (641, 13356), (651, 13377), (656, 13392), (706, 13485), (717, 13500),

Gene: Moss_3 Start: 2307, Stop: 3875, Start Num: 101

Candidate Starts for Moss_3:

(Start: 101 @2307 has 12 MA's), (Start: 166 @2433 has 2 MA's), (246, 2658), (266, 2694), (273, 2703), (283, 2721), (318, 2796), (351, 2820), (421, 2925), (552, 3231), (555, 3240), (561, 3258), (565, 3273), (566, 3276), (647, 3516), (745, 3690),

Gene: Mova_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for Mova_4:

(Start: 78 @2164 has 1 MA's), (81, 2167), (Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (336, 2704), (366, 2746), (397, 2797), (406, 2815), (421, 2848), (424, 2857), (425, 2860), (447, 2908), (449, 2917), (457, 2947), (463, 2965), (473, 2998), (526, 3055), (550, 3139), (557, 3157), (565, 3184), (571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532),

Gene: Mowgli_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Mowgli_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Moyashi_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for Moyashi_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (415, 2432), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (495, 2648), (496, 2651), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (537, 2723), (547, 2753), (549, 2759), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (608, 2945), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: Mozy_4 Start: 2198, Stop: 3619, Start Num: 108

Candidate Starts for Mozy_4:

(Start: 78 @2162 has 1 MA's), (Start: 108 @2198 has 156 MA's), (124, 2225), (131, 2237), (184, 2366), (189, 2387), (197, 2417), (231, 2486), (237, 2507), (246, 2543), (248, 2549), (271, 2573), (273, 2576), (308, 2651), (312, 2657), (336, 2702), (366, 2744), (418, 2840), (424, 2855), (425, 2858), (430, 2867), (444, 2897), (447, 2906), (457, 2945), (463, 2963), (464, 2966), (473, 2996), (526, 3053), (538, 3092), (550, 3137), (557, 3155), (565, 3182), (571, 3194), (573, 3197), (575, 3203), (587, 3251), (629, 3359), (650, 3431), (652, 3437), (655, 3446), (660, 3455), (661, 3458), (684, 3518), (693, 3530), (716, 3554), (728, 3578),

Gene: MrAK_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for MrAK_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (223, 2126), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (415, 2432), (424, 2456), (425, 2459), (430, 2468), (456,

2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (495, 2648), (496, 2651), (499, 2657), (506, 2666), (534, 2708), (537, 2723), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (603, 2930), (608, 2945), (621, 2984), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: MrGordo_12 Start: 8414, Stop: 9856, Start Num: 112

Candidate Starts for MrGordo_12:

(64, 8348), (Start: 112 @8414 has 204 MA's), (195, 8612), (288, 8825), (421, 9020), (425, 9032), (459, 9131), (547, 9326), (561, 9365), (584, 9443), (586, 9449), (601, 9497), (605, 9509), (608, 9518), (621, 9551), (639, 9608), (677, 9698), (687, 9731), (696, 9743),

Gene: MrMagoo_19 Start: 6838, Stop: 8439, Start Num: 55

Candidate Starts for MrMagoo_19:

(Start: 55 @6838 has 21 MA's), (165, 7027), (175, 7060), (181, 7072), (188, 7096), (195, 7123), (197, 7129), (231, 7201), (233, 7207), (240, 7234), (241, 7237), (271, 7300), (273, 7303), (283, 7321), (364, 7438), (421, 7495), (447, 7555), (449, 7564), (463, 7612), (464, 7615), (533, 7738), (541, 7774), (558, 7825), (560, 7828), (571, 7858), (575, 7867), (593, 7933), (595, 7936), (601, 7960), (635, 8050), (650, 8098), (709, 8209), (751, 8281),

Gene: MrSmee_3 Start: 1758, Stop: 3161, Start Num: 65

Candidate Starts for MrSmee_3:

(Start: 65 @1758 has 2 MA's), (Start: 111 @1809 has 22 MA's), (118, 1821), (129, 1839), (133, 1842), (145, 1875), (175, 1944), (188, 1980), (190, 1986), (194, 2001), (200, 2022), (203, 2028), (223, 2055), (233, 2088), (235, 2094), (244, 2130), (245, 2136), (301, 2238), (315, 2262), (316, 2265), (318, 2271), (344, 2295), (356, 2310), (358, 2313), (449, 2451), (450, 2454), (454, 2469), (461, 2493), (474, 2535), (477, 2544), (487, 2568), (505, 2598), (528, 2640), (534, 2649), (536, 2658), (540, 2673), (546, 2691), (583, 2808), (606, 2883), (640, 2988), (641, 2994), (651, 3015), (656, 3030), (679, 3075), (713, 3132),

Gene: Mryolo_11 Start: 8444, Stop: 9886, Start Num: 112

Candidate Starts for Mryolo_11:

(64, 8378), (Start: 112 @8444 has 204 MA's), (195, 8642), (288, 8855), (421, 9050), (425, 9062), (459, 9161), (484, 9233), (547, 9356), (561, 9395), (584, 9473), (586, 9479), (601, 9527), (605, 9539), (608, 9548), (639, 9638), (677, 9728), (687, 9761), (696, 9773),

Gene: MsGreen_6 Start: 2756, Stop: 4399, Start Num: 84

Candidate Starts for MsGreen_6:

(Start: 84 @2756 has 64 MA's), (128, 2816), (189, 2966), (197, 2996), (231, 3068), (249, 3134), (278, 3182), (327, 3275), (372, 3314), (432, 3404), (437, 3413), (444, 3428), (528, 3617), (538, 3650), (548, 3689), (562, 3731), (628, 3914), (638, 3956), (647, 3983), (650, 3992), (677, 4052), (690, 4082), (698, 4091), (747, 4166), (762, 4199),

Gene: MuchMore_16 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for MuchMore_16:

(Start: 74 @8646 has 530 MA's), (Start: 114 @8676 has 8 MA's), (129, 8703), (174, 8808), (223, 8922), (242, 8988), (265, 9045), (301, 9123), (303, 9126), (421, 9267), (459, 9378), (461, 9384), (467, 9405), (544, 9570), (584, 9696), (601, 9750), (603, 9756), (608, 9771), (621, 9807), (649, 9894), (662, 9924), (677, 9954), (696, 9999), (706, 10008),

Gene: Muddy_6 Start: 3669, Stop: 5192, Start Num: 80

Candidate Starts for Muddy_6:

(47, 3585), (Start: 80 @3669 has 8 MA's), (95, 3684), (129, 3726), (170, 3819), (174, 3831), (189, 3870), (191, 3879), (195, 3894), (221, 3957), (223, 3969), (229, 3984), (242, 4035), (246, 4053), (301, 4164), (461, 4428), (485, 4497), (498, 4536), (568, 4698), (579, 4737), (600, 4803), (606, 4821), (640,

4914), (644, 4929),

Gene: Mudpuppy_3 Start: 2269, Stop: 3645, Start Num: 104

Candidate Starts for Mudpuppy_3:

(Start: 104 @2269 has 48 MA's), (Start: 166 @2389 has 2 MA's), (197, 2488), (216, 2527), (318, 2752), (412, 2845), (478, 3025), (558, 3193), (573, 3232), (579, 3262), (587, 3286), (647, 3460), (650, 3469), (710, 3580),

Gene: Mufasa_5 Start: 2085, Stop: 3590, Start Num: 50

Candidate Starts for Mufasa_5:

(27, 1944), (Start: 50 @2085 has 160 MA's), (58, 2103), (81, 2130), (109, 2151), (131, 2187), (Start: 166 @2268 has 2 MA's), (186, 2325), (189, 2337), (195, 2361), (197, 2367), (227, 2418), (231, 2436), (237, 2457), (246, 2493), (248, 2499), (271, 2523), (288, 2559), (333, 2649), (351, 2670), (368, 2697), (395, 2739), (396, 2745), (404, 2763), (425, 2811), (441, 2844), (457, 2898), (464, 2919), (473, 2949), (517, 2982), (525, 3000), (526, 3006), (535, 3030), (550, 3090), (555, 3102), (557, 3108), (571, 3147), (607, 3267), (628, 3309), (660, 3408), (661, 3411), (664, 3420), (684, 3471), (720, 3516), (760, 3567),

Gene: MulchExplorer_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for MulchExplorer_4:

(Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (366, 2746), (421, 2848), (425, 2860), (430, 2869), (444, 2899), (447, 2908), (457, 2947), (463, 2965), (464, 2968), (473, 2998), (526, 3055), (538, 3094), (550, 3139), (557, 3157), (565, 3184), (571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532), (728, 3580),

Gene: Mulciber_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Mulciber_13:

(Start: 74 @9784 has 530 MA's), (120, 9829), (129, 9844), (174, 9949), (288, 10231), (301, 10264), (425, 10420), (452, 10492), (459, 10519), (461, 10525), (467, 10546), (486, 10597), (592, 10861), (601, 10891), (608, 10912), (612, 10927), (617, 10939), (621, 10948), (649, 11035), (662, 11065), (677, 11095), (685, 11125), (736, 11191),

Gene: Mule_12 Start: 8730, Stop: 10172, Start Num: 112

Candidate Starts for Mule_12:

(64, 8664), (Start: 112 @8730 has 204 MA's), (195, 8928), (288, 9141), (421, 9336), (459, 9447), (547, 9642), (561, 9681), (584, 9759), (586, 9765), (601, 9813), (605, 9825), (608, 9834), (639, 9924), (677, 10014), (687, 10047), (696, 10059),

Gene: Munch_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Munch_13:

(Start: 74 @9784 has 530 MA's), (120, 9829), (129, 9844), (174, 9949), (288, 10231), (301, 10264), (425, 10420), (452, 10492), (459, 10519), (461, 10525), (467, 10546), (486, 10597), (592, 10861), (601, 10891), (608, 10912), (612, 10927), (617, 10939), (621, 10948), (649, 11035), (662, 11065), (677, 11095), (685, 11125), (736, 11191),

Gene: Mundrea_12 Start: 8540, Stop: 9991, Start Num: 74

Candidate Starts for Mundrea_12:

(Start: 74 @8540 has 530 MA's), (170, 8690), (174, 8702), (181, 8714), (195, 8765), (239, 8870), (246, 8900), (265, 8939), (276, 8957), (301, 9017), (414, 9143), (421, 9161), (425, 9173), (458, 9269), (459, 9272), (461, 9278), (467, 9299), (468, 9305), (474, 9320), (496, 9374), (528, 9434), (544, 9479), (584, 9605), (585, 9608), (601, 9659), (608, 9680), (649, 9806), (662, 9836), (677, 9866), (685, 9896),

Gene: MunkgeeRoachy_5 Start: 2837, Stop: 4294, Start Num: 115

Candidate Starts for MunkgeeRoachy_5:

(Start: 115 @2837 has 54 MA's), (133, 2861), (176, 2972), (180, 2975), (184, 2984), (222, 3065), (244, 3149), (247, 3161), (288, 3230), (391, 3377), (425, 3419), (449, 3482), (454, 3500), (456, 3506), (459, 3518), (461, 3524), (499, 3635), (544, 3752), (554, 3779), (565, 3815), (605, 3944), (607, 3950), (621, 3983), (639, 4040), (640, 4043), (648, 4067), (662, 4097), (685, 4157), (687, 4160), (759, 4271),

Gene: Murucutumbu_9 Start: 2995, Stop: 4548, Start Num: 50

Candidate Starts for Murucutumbu_9:

(23, 2752), (28, 2866), (31, 2893), (Start: 49 @2980 has 25 MA's), (Start: 50 @2995 has 160 MA's), (128, 3097), (131, 3106), (Start: 166 @3187 has 2 MA's), (174, 3211), (186, 3244), (188, 3253), (197, 3286), (231, 3355), (237, 3376), (248, 3418), (288, 3481), (294, 3496), (333, 3571), (351, 3592), (370, 3622), (425, 3733), (441, 3766), (452, 3799), (464, 3841), (473, 3871), (517, 3904), (525, 3922), (546, 4000), (550, 4012), (552, 4015), (556, 4027), (557, 4030), (573, 4066), (585, 4114), (607, 4183), (622, 4213), (640, 4279), (650, 4300), (661, 4327), (664, 4336), (681, 4372), (717, 4426),

Gene: Museum_14 Start: 8748, Stop: 10190, Start Num: 112

Candidate Starts for Museum_14:

(64, 8682), (Start: 112 @8748 has 204 MA's), (195, 8946), (288, 9159), (421, 9354), (422, 9357), (459, 9465), (484, 9537), (547, 9660), (561, 9699), (584, 9777), (586, 9783), (601, 9831), (605, 9843), (608, 9852), (639, 9942), (677, 10032), (687, 10065), (696, 10077),

Gene: Mynx_9 Start: 3031, Stop: 4602, Start Num: 49

Candidate Starts for Mynx_9:

(31, 2944), (Start: 49 @3031 has 25 MA's), (Start: 50 @3046 has 160 MA's), (128, 3145), (131, 3154), (160, 3226), (Start: 166 @3235 has 2 MA's), (174, 3259), (186, 3292), (188, 3301), (197, 3334), (231, 3403), (237, 3424), (248, 3466), (288, 3532), (294, 3547), (333, 3622), (351, 3643), (385, 3697), (441, 3817), (452, 3850), (457, 3871), (464, 3892), (473, 3922), (517, 3955), (525, 3973), (546, 4051), (550, 4063), (552, 4066), (556, 4078), (557, 4081), (573, 4117), (585, 4165), (601, 4216), (607, 4234), (640, 4330), (650, 4351), (661, 4378), (664, 4387), (681, 4423),

Gene: MyraDee_10 Start: 6714, Stop: 8150, Start Num: 75

Candidate Starts for MyraDee_10:

(Start: 75 @6714 has 72 MA's), (174, 6867), (190, 6909), (421, 7326), (424, 7335), (452, 7410), (459, 7437), (461, 7443), (467, 7464), (501, 7539), (511, 7554), (544, 7629), (601, 7809), (603, 7815), (608, 7830), (621, 7866), (659, 7977), (667, 7995), (677, 8013), (685, 8043), (696, 8052), (706, 8061),

Gene: Mysterium_3 Start: 2307, Stop: 3875, Start Num: 101

Candidate Starts for Mysterium_3:

(Start: 101 @2307 has 12 MA's), (Start: 166 @2433 has 2 MA's), (246, 2658), (266, 2694), (273, 2703), (283, 2721), (318, 2796), (351, 2820), (421, 2925), (555, 3240), (561, 3258), (565, 3273), (566, 3276), (647, 3516), (745, 3690), (775, 3804),

Gene: Myxus_14 Start: 9893, Stop: 11380, Start Num: 74

Candidate Starts for Myxus_14:

(Start: 74 @9893 has 530 MA's), (129, 9956), (174, 10061), (252, 10271), (271, 10310), (288, 10343), (301, 10376), (421, 10520), (452, 10604), (459, 10631), (461, 10637), (467, 10658), (477, 10688), (486, 10709), (501, 10733), (511, 10748), (601, 11003), (607, 11021), (617, 11051), (619, 11054), (621, 11060), (659, 11171), (662, 11177), (677, 11207), (696, 11252), (706, 11261),

Gene: NEHalo_12 Start: 8256, Stop: 9698, Start Num: 112

Candidate Starts for NEHalo_12:

(64, 8190), (Start: 112 @8256 has 204 MA's), (195, 8454), (288, 8667), (421, 8862), (425, 8874), (459, 8973), (547, 9168), (561, 9207), (584, 9285), (586, 9291), (601, 9339), (605, 9351), (608, 9360), (621, 9393), (639, 9450), (677, 9540), (687, 9573), (696, 9585),

Gene: NaSiaTalie_13 Start: 9265, Stop: 10725, Start Num: 74

Candidate Starts for NaSiaTalie_13:

(Start: 74 @9265 has 530 MA's), (129, 9325), (170, 9418), (174, 9430), (288, 9712), (301, 9745), (422, 9892), (425, 9901), (435, 9925), (452, 9973), (459, 10000), (461, 10006), (467, 10027), (565, 10255), (601, 10372), (608, 10393), (617, 10420), (621, 10429), (662, 10546), (677, 10576), (685, 10606), (706, 10630),

Gene: Nabi_7 Start: 4053, Stop: 5489, Start Num: 108

Candidate Starts for Nabi_7:

(Start: 99 @4047 has 4 MA's), (Start: 108 @4053 has 156 MA's), (123, 4077), (136, 4101), (Start: 166 @4170 has 2 MA's), (184, 4218), (187, 4230), (197, 4269), (249, 4422), (271, 4452), (312, 4536), (346, 4578), (401, 4644), (446, 4734), (449, 4746), (470, 4821), (477, 4839), (520, 4917), (535, 4962), (549, 5019), (623, 5232), (631, 5256), (680, 5388), (747, 5475),

Gene: Naca_10 Start: 7848, Stop: 9281, Start Num: 75

Candidate Starts for Naca_10:

(Start: 75 @7848 has 72 MA's), (167, 7977), (185, 8016), (188, 8031), (252, 8205), (265, 8232), (288, 8277), (301, 8310), (315, 8331), (363, 8391), (424, 8463), (425, 8466), (452, 8538), (461, 8571), (467, 8592), (477, 8622), (584, 8883), (601, 8937), (607, 8955), (621, 8994), (662, 9111), (677, 9141), (685, 9171), (696, 9186), (706, 9195),

Gene: Naiad_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Naiad_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Naira_13 Start: 9995, Stop: 11437, Start Num: 112

Candidate Starts for Naira_13:

(64, 9929), (Start: 112 @9995 has 204 MA's), (195, 10193), (288, 10406), (421, 10601), (425, 10613), (459, 10712), (547, 10907), (561, 10946), (584, 11024), (586, 11030), (601, 11078), (605, 11090), (608, 11099), (639, 11189), (677, 11279), (687, 11312), (696, 11324),

Gene: Nairb_4 Start: 2624, Stop: 4189, Start Num: 53

Candidate Starts for Nairb_4:

(39, 2567), (40, 2576), (42, 2579), (Start: 53 @2624 has 7 MA's), (60, 2642), (Start: 121 @2732 has 1 MA's), (127, 2741), (133, 2753), (184, 2870), (198, 2924), (204, 2936), (214, 2960), (243, 3035), (246, 3050), (253, 3062), (259, 3074), (288, 3113), (354, 3230), (362, 3239), (368, 3248), (418, 3296), (427, 3317), (445, 3362), (446, 3365), (459, 3413), (469, 3449), (495, 3506), (529, 3563), (555, 3647), (561, 3665), (578, 3728), (592, 3770), (601, 3800), (647, 3932), (668, 3983), (696, 4046), (705, 4055),

Gene: Naji_16 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for Naji_16:

(Start: 74 @9159 has 530 MA's), (129, 9219), (170, 9312), (174, 9324), (281, 9588), (288, 9606), (388, 9750), (424, 9792), (452, 9867), (459, 9894), (461, 9900), (467, 9921), (468, 9927), (601, 10266), (608, 10287), (617, 10314), (621, 10323), (649, 10410), (662, 10440), (677, 10470), (685, 10500), (706, 10524),

Gene: Nancinator_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Nancinator_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Nanodon_9 Start: 4252, Stop: 5685, Start Num: 108

Candidate Starts for Nanodon_9:

(Start: 99 @4246 has 4 MA's), (Start: 108 @4252 has 156 MA's), (123, 4276), (136, 4300), (Start: 166 @4369 has 2 MA's), (184, 4417), (197, 4468), (249, 4621), (271, 4651), (312, 4735), (346, 4777), (364, 4804), (405, 4846), (446, 4930), (449, 4942), (477, 5035), (520, 5113), (535, 5158), (549, 5215), (631, 5452), (726, 5650), (747, 5671),

Gene: Nanosmite_19 Start: 7056, Stop: 8660, Start Num: 55

Candidate Starts for Nanosmite_19:

(Start: 55 @7056 has 21 MA's), (175, 7278), (181, 7290), (195, 7341), (197, 7347), (231, 7419), (233, 7425), (241, 7455), (242, 7458), (248, 7482), (267, 7515), (273, 7524), (278, 7533), (425, 7728), (447, 7776), (463, 7833), (472, 7860), (533, 7959), (541, 7995), (560, 8049), (571, 8079), (573, 8082), (593, 8154), (595, 8157), (600, 8178), (641, 8301), (728, 8460), (751, 8502), (757, 8517),

Gene: Natosaleda_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Natosaleda_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: NearlyHeadless_10 Start: 7460, Stop: 8890, Start Num: 75

Candidate Starts for NearlyHeadless_10:

(22, 7112), (Start: 75 @7460 has 72 MA's), (173, 7610), (233, 7757), (288, 7892), (363, 8003), (421, 8066), (440, 8111), (459, 8177), (467, 8204), (544, 8369), (576, 8471), (601, 8549), (603, 8555), (621, 8606), (662, 8723), (677, 8753), (706, 8807),

Gene: Nebkiss_3 Start: 3367, Stop: 4800, Start Num: 62

Candidate Starts for Nebkiss_3:

(Start: 62 @3367 has 13 MA's), (82, 3397), (89, 3406), (105, 3424), (175, 3562), (185, 3583), (191, 3610), (192, 3613), (219, 3673), (227, 3688), (228, 3691), (232, 3709), (233, 3712), (235, 3718), (248, 3769), (269, 3805), (276, 3808), (285, 3829), (312, 3886), (326, 3913), (338, 3928), (356, 3943), (420, 4009), (435, 4042), (449, 4081), (450, 4084), (452, 4090), (456, 4105), (458, 4114), (461, 4123), (475, 4168), (481, 4186), (493, 4213), (547, 4330), (550, 4339), (554, 4348), (562, 4375), (565, 4384), (583, 4444), (591, 4468), (598, 4495), (605, 4516), (621, 4564), (639, 4621), (645, 4642), (651, 4651), (679, 4714), (683, 4723), (725, 4786),

Gene: Nebs_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Nebs_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Nebulosus_15 Start: 8380, Stop: 9840, Start Num: 74

Candidate Starts for Nebulosus_15:

(Start: 74 @8380 has 530 MA's), (129, 8440), (174, 8545), (196, 8611), (271, 8794), (288, 8827), (301, 8860), (452, 9091), (459, 9118), (461, 9124), (467, 9145), (474, 9166), (486, 9196), (501, 9220), (544, 9310), (555, 9340), (584, 9436), (593, 9463), (601, 9490), (607, 9508), (608, 9511), (617, 9544), (621, 9553), (662, 9670), (677, 9700), (706, 9754),

Gene: Nedarya_14 Start: 8970, Stop: 10430, Start Num: 74

Candidate Starts for Nedarya_14:

(Start: 74 @8970 has 530 MA's), (129, 9030), (174, 9135), (185, 9156), (196, 9201), (288, 9417), (301, 9450), (344, 9510), (452, 9681), (459, 9708), (461, 9714), (467, 9735), (474, 9756), (555, 9930), (583, 10023), (584, 10026), (593, 10053), (601, 10080), (608, 10101), (617, 10128), (621, 10137), (662, 10254), (677, 10284), (706, 10338),

Gene: Neeharika16_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for Neeharika16_16:

(Start: 74 @9274 has 530 MA's), (97, 9295), (129, 9334), (167, 9421), (171, 9433), (174, 9439), (288, 9721), (434, 9934), (452, 9985), (459, 10012), (461, 10018), (467, 10039), (608, 10405), (617, 10432), (621, 10441), (640, 10501), (662, 10558), (677, 10588), (685, 10618), (709, 10645),

Gene: Neighly_7 Start: 2528, Stop: 4066, Start Num: 50

Candidate Starts for Neighly_7:

(Start: 50 @2528 has 160 MA's), (128, 2630), (131, 2639), (149, 2693), (186, 2777), (189, 2789), (197, 2819), (207, 2837), (231, 2888), (241, 2924), (247, 2948), (248, 2951), (287, 3005), (294, 3026), (333, 3101), (351, 3122), (370, 3152), (396, 3197), (421, 3251), (441, 3296), (452, 3329), (462, 3365), (464, 3371), (517, 3434), (525, 3452), (546, 3530), (550, 3542), (552, 3545), (557, 3560), (575, 3605), (576, 3620), (583, 3641), (585, 3647), (600, 3695), (601, 3698), (607, 3716), (612, 3731), (637, 3797), (640, 3812), (650, 3833), (664, 3869), (681, 3905), (735, 3992),

Gene: Nemo27_12 Start: 8577, Stop: 10028, Start Num: 74

Candidate Starts for Nemo27_12:

(Start: 74 @8577 has 530 MA's), (170, 8724), (174, 8736), (239, 8904), (246, 8934), (265, 8973), (276, 8991), (301, 9051), (414, 9180), (421, 9198), (425, 9210), (459, 9309), (461, 9315), (467, 9336), (468, 9342), (496, 9411), (528, 9471), (544, 9516), (584, 9642), (585, 9645), (601, 9696), (608, 9717), (617, 9747), (647, 9837), (662, 9873), (677, 9903), (685, 9933),

Gene: Nerdos_7 Start: 4081, Stop: 5523, Start Num: 108

Candidate Starts for Nerdos_7:

(Start: 96 @4072 has 3 MA's), (Start: 99 @4075 has 4 MA's), (Start: 108 @4081 has 156 MA's), (Start: 166 @4198 has 2 MA's), (184, 4246), (312, 4564), (346, 4606), (364, 4633), (398, 4666), (446, 4759), (449, 4771), (477, 4864), (520, 4942), (535, 4987), (549, 5044), (558, 5068), (631, 5281), (747, 5509),

Gene: Nergal_6 Start: 3615, Stop: 5081, Start Num: 77

Candidate Starts for Nergal_6:

(Start: 77 @3615 has 21 MA's), (Start: 80 @3618 has 8 MA's), (Start: 108 @3645 has 156 MA's), (130, 3684), (169, 3765), (176, 3789), (189, 3825), (191, 3834), (195, 3849), (231, 3924), (234, 3933), (240, 3957), (251, 3999), (346, 4188), (425, 4317), (444, 4359), (458, 4410), (463, 4425), (546, 4590), (561, 4632), (567, 4653), (579, 4695), (600, 4761), (601, 4764), (641, 4884), (647, 4893), (654, 4914), (661, 4929), (690, 4995), (740, 5067),

Gene: Nerujay_13 Start: 9091, Stop: 10533, Start Num: 112

Candidate Starts for Nerujay_13:

(64, 9025), (Start: 112 @9091 has 204 MA's), (195, 9289), (288, 9502), (421, 9697), (459, 9808), (484, 9880), (547, 10003), (561, 10042), (584, 10120), (586, 10126), (601, 10174), (605, 10186), (608, 10195), (639, 10285), (677, 10375), (687, 10408), (696, 10420),

Gene: Nesbitt_3 Start: 2376, Stop: 3785, Start Num: 110

Candidate Starts for Nesbitt_3:

(Start: 106 @2370 has 46 MA's), (Start: 110 @2376 has 3 MA's), (172, 2511), (188, 2556), (192, 2571), (193, 2574), (233, 2664), (247, 2718), (275, 2781), (287, 2808), (301, 2847), (318, 2880), (418, 2976), (424, 2991), (425, 2994), (449, 3051), (468, 3120), (477, 3144), (516, 3234), (549, 3315), (555, 3330), (575, 3384), (584, 3423), (601, 3477), (627, 3540), (655, 3642), (660, 3651), (666, 3663), (668, 3666), (677, 3684), (685, 3711), (704, 3732),

Gene: Nette_4 Start: 2531, Stop: 4096, Start Num: 53

Candidate Starts for Nette_4:

(Start: 53 @2531 has 7 MA's), (60, 2549), (Start: 121 @2639 has 1 MA's), (152, 2717), (184, 2777), (198, 2831), (204, 2843), (223, 2873), (241, 2936), (246, 2957), (253, 2969), (259, 2981), (276, 2993), (288, 3020), (354, 3137), (368, 3155), (427, 3224), (443, 3263), (445, 3269), (446, 3272), (459, 3320), (469, 3356), (521, 3455), (529, 3470), (555, 3554), (578, 3635), (592, 3677), (595, 3683), (601, 3707), (647, 3839), (696, 3953), (758, 4064),

Gene: Netyap_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Netyap_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Neville_13 Start: 6263, Stop: 7762, Start Num: 59

Candidate Starts for Neville_13:

(57, 6257), (Start: 59 @6263 has 72 MA's), (94, 6317), (123, 6359), (131, 6377), (138, 6395), (Start: 166 @6458 has 2 MA's), (176, 6488), (177, 6491), (182, 6497), (188, 6521), (195, 6548), (231, 6626), (278, 6743), (303, 6800), (359, 6863), (372, 6878), (421, 6935), (425, 6947), (451, 7010), (452, 7013), (455, 7025), (463, 7052), (480, 7097), (511, 7130), (516, 7139), (526, 7160), (558, 7265), (576, 7325), (587, 7358), (592, 7373), (607, 7421), (611, 7433), (622, 7451), (631, 7478), (641, 7523), (643, 7529), (655, 7556), (660, 7565), (681, 7613), (695, 7637), (751, 7721),

Gene: Newrala_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for Newrala_16:

(Start: 74 @9274 has 530 MA's), (97, 9295), (129, 9334), (167, 9421), (171, 9433), (174, 9439), (288, 9721), (434, 9934), (452, 9985), (459, 10012), (461, 10018), (467, 10039), (608, 10405), (617, 10432), (621, 10441), (640, 10501), (662, 10558), (677, 10588), (685, 10618), (709, 10645),

Gene: Nhonho_12 Start: 8540, Stop: 9982, Start Num: 112

Candidate Starts for Nhonho_12:

(64, 8474), (Start: 112 @8540 has 204 MA's), (195, 8738), (288, 8951), (421, 9146), (425, 9158), (459, 9257), (484, 9329), (547, 9452), (561, 9491), (584, 9569), (586, 9575), (601, 9623), (605, 9635), (608, 9644), (639, 9734), (677, 9824), (687, 9857), (696, 9869),

Gene: Nibb_8 Start: 3011, Stop: 4555, Start Num: 50

Candidate Starts for Nibb_8:

(28, 2879), (29, 2885), (31, 2906), (Start: 49 @2996 has 25 MA's), (Start: 50 @3011 has 160 MA's), (131, 3119), (Start: 166 @3200 has 2 MA's), (174, 3224), (186, 3257), (237, 3389), (241, 3404), (247, 3428), (248, 3431), (294, 3509), (315, 3548), (351, 3605), (390, 3665), (396, 3680), (404, 3698), (421, 3734), (424, 3743), (441, 3779), (452, 3812), (457, 3833), (464, 3854), (473, 3884), (517, 3917), (525,

3935), (535, 3965), (546, 4013), (550, 4025), (552, 4028), (556, 4040), (557, 4043), (600, 4175), (607, 4196), (614, 4217), (628, 4238), (639, 4289), (640, 4292), (650, 4313), (660, 4337), (664, 4349), (681, 4385), (735, 4472),

Gene: Nibbles_7 Start: 3686, Stop: 5131, Start Num: 115

Candidate Starts for Nibbles_7:

(Start: 115 @3686 has 54 MA's), (126, 3698), (129, 3704), (147, 3746), (156, 3776), (190, 3854), (227, 3923), (288, 4070), (412, 4229), (424, 4259), (429, 4268), (454, 4343), (461, 4367), (463, 4373), (495, 4469), (506, 4487), (520, 4517), (534, 4553), (554, 4616), (568, 4661), (596, 4751), (600, 4766), (604, 4778), (607, 4787), (617, 4811), (640, 4880), (656, 4922), (662, 4934), (663, 4937), (693, 5003), (704, 5009),

Gene: Nicholas_6 Start: 2756, Stop: 4399, Start Num: 84

Candidate Starts for Nicholas_6:

(Start: 84 @2756 has 64 MA's), (128, 2816), (189, 2966), (197, 2996), (231, 3068), (249, 3134), (278, 3182), (327, 3275), (372, 3314), (432, 3404), (437, 3413), (444, 3428), (528, 3617), (538, 3650), (548, 3689), (562, 3731), (628, 3914), (638, 3956), (647, 3983), (650, 3992), (677, 4052), (690, 4082), (698, 4091), (747, 4166), (762, 4199),

Gene: Nicholasp3_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Nicholasp3_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: NicoleTera_17 Start: 10971, Stop: 12434, Start Num: 74

Candidate Starts for NicoleTera_17:

(Start: 74 @10971 has 530 MA's), (129, 11031), (174, 11136), (288, 11418), (327, 11496), (422, 11601), (452, 11682), (459, 11709), (461, 11715), (467, 11736), (601, 12081), (607, 12099), (608, 12102), (612, 12117), (617, 12129), (621, 12138), (662, 12255), (677, 12285), (685, 12315), (706, 12339),

Gene: Nikao_5 Start: 2283, Stop: 3839, Start Num: 50

Candidate Starts for Nikao_5:

(29, 2157), (31, 2178), (Start: 49 @2268 has 25 MA's), (Start: 50 @2283 has 160 MA's), (109, 2352), (119, 2367), (131, 2388), (Start: 166 @2469 has 2 MA's), (174, 2493), (186, 2526), (195, 2562), (231, 2637), (237, 2658), (241, 2673), (294, 2778), (327, 2844), (351, 2874), (383, 2928), (404, 2970), (421, 3006), (425, 3018), (441, 3051), (452, 3084), (464, 3126), (473, 3156), (517, 3189), (525, 3207), (526, 3213), (541, 3267), (546, 3285), (550, 3297), (556, 3312), (557, 3315), (569, 3348), (600, 3447), (601, 3450), (607, 3468), (628, 3510), (639, 3561), (640, 3564), (650, 3585), (660, 3609), (661, 3612), (664, 3621), (681, 3657), (684, 3672), (701, 3693),

Gene: Niklas_9 Start: 3102, Stop: 4652, Start Num: 50

Candidate Starts for Niklas_9:

(31, 2997), (Start: 49 @3087 has 25 MA's), (Start: 50 @3102 has 160 MA's), (131, 3204), (Start: 166 @3285 has 2 MA's), (174, 3309), (188, 3351), (231, 3453), (237, 3474), (241, 3489), (288, 3579), (294, 3594), (333, 3669), (366, 3714), (385, 3744), (395, 3759), (396, 3765), (404, 3783), (421, 3819), (425, 3831), (441, 3864), (452, 3897), (457, 3918), (462, 3933), (464, 3939), (473, 3969), (517, 4002), (525, 4020), (546, 4098), (550, 4110), (552, 4113), (556, 4125), (557, 4128), (573, 4164), (600, 4260), (601, 4263), (607, 4281), (628, 4323), (639, 4374), (650, 4398), (660, 4422), (661, 4425), (664, 4434), (690,

4494), (720, 4530), (735, 4557),

Gene: Nina_5 Start: 2789, Stop: 4228, Start Num: 115

Candidate Starts for Nina_5:

(Start: 115 @2789 has 54 MA's), (133, 2813), (176, 2924), (180, 2927), (184, 2936), (222, 3017), (244, 3101), (247, 3113), (288, 3182), (391, 3329), (425, 3371), (449, 3434), (454, 3452), (456, 3458), (459, 3470), (461, 3476), (499, 3587), (544, 3704), (554, 3731), (565, 3767), (605, 3896), (607, 3902), (621, 3935), (639, 3992), (640, 3995), (648, 4019), (662, 4049), (685, 4109), (687, 4112), (759, 4220),

Gene: Niobe_3 Start: 2266, Stop: 3642, Start Num: 104

Candidate Starts for Niobe_3:

(Start: 104 @2266 has 48 MA's), (Start: 166 @2386 has 2 MA's), (197, 2485), (318, 2749), (478, 3022), (555, 3181), (573, 3229), (579, 3259), (587, 3283), (647, 3457), (710, 3577),

Gene: Nishikigoi_7 Start: 3857, Stop: 5332, Start Num: 108

Candidate Starts for Nishikigoi_7:

(Start: 108 @3857 has 156 MA's), (Start: 166 @3974 has 2 MA's), (197, 4073), (231, 4166), (398, 4439), (449, 4544), (470, 4619), (477, 4637), (481, 4649), (483, 4655), (535, 4802), (547, 4853), (549, 4859), (565, 4907), (607, 5039), (631, 5096), (661, 5186), (747, 5318),

Gene: Nitro_3 Start: 2266, Stop: 3648, Start Num: 104

Candidate Starts for Nitro_3:

(Start: 104 @2266 has 48 MA's), (Start: 166 @2386 has 2 MA's), (197, 2485), (318, 2749), (478, 3022), (524, 3076), (555, 3181), (573, 3229), (579, 3259), (587, 3283), (647, 3457), (710, 3577),

Gene: Niza_14 Start: 9768, Stop: 11210, Start Num: 112

Candidate Starts for Niza_14:

(64, 9702), (Start: 112 @9768 has 204 MA's), (195, 9966), (288, 10179), (344, 10278), (421, 10374), (425, 10386), (459, 10485), (484, 10557), (547, 10680), (561, 10719), (584, 10797), (586, 10803), (601, 10851), (605, 10863), (608, 10872), (639, 10962), (677, 11052), (687, 11085), (696, 11097),

Gene: NoShow_3 Start: 2343, Stop: 4004, Start Num: 69

Candidate Starts for NoShow_3:

(Start: 69 @2343 has 1 MA's), (93, 2376), (Start: 104 @2388 has 48 MA's), (146, 2460), (170, 2514), (174, 2526), (184, 2544), (190, 2568), (191, 2574), (236, 2769), (239, 2778), (334, 2961), (378, 3015), (434, 3096), (461, 3180), (568, 3450), (606, 3573), (635, 3642), (644, 3681), (694, 3792),

Gene: Nodigi_6 Start: 2788, Stop: 4230, Start Num: 115

Candidate Starts for Nodigi_6:

(Start: 115 @2788 has 54 MA's), (129, 2803), (172, 2905), (236, 3061), (242, 3082), (244, 3091), (277, 3148), (310, 3220), (422, 3352), (449, 3424), (454, 3442), (461, 3466), (463, 3472), (506, 3586), (518, 3613), (520, 3616), (554, 3715), (603, 3874), (607, 3886), (621, 3922), (629, 3931), (642, 3991), (656, 4024), (685, 4096), (696, 4111), (759, 4222),

Gene: Noella_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Noella_13:

(Start: 74 @8738 has 530 MA's), (117, 8777), (174, 8903), (204, 8987), (233, 9050), (242, 9083), (246, 9101), (265, 9140), (281, 9167), (301, 9218), (414, 9344), (418, 9356), (424, 9371), (425, 9374), (452, 9446), (459, 9473), (461, 9479), (467, 9500), (468, 9506), (477, 9530), (496, 9572), (544, 9677), (584, 9803), (585, 9806), (601, 9857), (603, 9863), (608, 9878), (617, 9908), (662, 10034), (677, 10064), (687, 10094),

Gene: Noelle_12 Start: 8644, Stop: 10092, Start Num: 74

Candidate Starts for Noelle_12:

(Start: 74 @8644 has 530 MA's), (170, 8794), (174, 8806), (233, 8953), (239, 8974), (246, 9004), (265, 9043), (276, 9061), (301, 9121), (421, 9268), (425, 9280), (435, 9304), (459, 9379), (461, 9385), (467, 9406), (468, 9412), (528, 9541), (544, 9586), (584, 9712), (585, 9715), (601, 9766), (608, 9787), (617, 9814), (647, 9904), (662, 9940), (677, 9970), (685, 10000),

Gene: Norbert_12 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Norbert_12:

(Start: 74 @8738 has 530 MA's), (117, 8777), (174, 8903), (204, 8987), (233, 9050), (242, 9083), (246, 9101), (265, 9140), (281, 9167), (301, 9218), (414, 9344), (418, 9356), (424, 9371), (425, 9374), (452, 9446), (459, 9473), (461, 9479), (467, 9500), (468, 9506), (477, 9530), (496, 9572), (544, 9677), (584, 9803), (585, 9806), (601, 9857), (603, 9863), (608, 9878), (617, 9908), (662, 10034), (677, 10064), (687, 10094),

Gene: NorthStar_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for NorthStar_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Norz_14 Start: 9403, Stop: 10845, Start Num: 112

Candidate Starts for Norz_14:

(64, 9337), (Start: 112 @9403 has 204 MA's), (195, 9601), (288, 9814), (421, 10009), (425, 10021), (459, 10120), (547, 10315), (561, 10354), (584, 10432), (586, 10438), (601, 10486), (605, 10498), (608, 10507), (639, 10597), (677, 10687), (687, 10720), (696, 10732),

Gene: NotAPhaseMom_12 Start: 8582, Stop: 10033, Start Num: 74

Candidate Starts for NotAPhaseMom_12:

(Start: 74 @8582 has 530 MA's), (170, 8729), (174, 8741), (239, 8909), (246, 8939), (265, 8978), (276, 8996), (301, 9056), (414, 9185), (421, 9203), (425, 9215), (459, 9314), (461, 9320), (467, 9341), (468, 9347), (496, 9416), (528, 9476), (544, 9521), (584, 9647), (585, 9650), (601, 9701), (608, 9722), (617, 9752), (647, 9842), (662, 9878), (677, 9908), (685, 9938),

Gene: NothingSpecial_15 Start: 11236, Stop: 12693, Start Num: 74

Candidate Starts for NothingSpecial_15:

(Start: 74 @11236 has 530 MA's), (129, 11296), (167, 11383), (174, 11401), (246, 11599), (288, 11683), (452, 11944), (459, 11971), (461, 11977), (467, 11998), (486, 12049), (601, 12343), (607, 12361), (608, 12364), (617, 12391), (621, 12400), (649, 12487), (662, 12517), (677, 12547), (685, 12577), (706, 12601),

Gene: November_7 Start: 2677, Stop: 4227, Start Num: 50

Candidate Starts for November_7:

(31, 2572), (Start: 49 @2662 has 25 MA's), (Start: 50 @2677 has 160 MA's), (109, 2749), (128, 2776), (131, 2785), (147, 2827), (Start: 166 @2866 has 2 MA's), (174, 2890), (231, 3034), (241, 3070), (248, 3097), (288, 3160), (294, 3175), (351, 3271), (366, 3295), (370, 3301), (404, 3364), (425, 3412), (441, 3445), (444, 3451), (452, 3478), (457, 3499), (464, 3520), (517, 3583), (525, 3601), (546, 3679), (550, 3691), (552, 3694), (556, 3706), (557, 3709), (565, 3736), (585, 3793), (601, 3844), (607, 3862), (614, 3883), (640, 3958), (650, 3979), (660, 4003), (661, 4006), (664, 4015), (681, 4051), (684, 4066),

Gene: Nutello_5 Start: 2283, Stop: 3839, Start Num: 50

Candidate Starts for Nutello_5:

(29, 2157), (31, 2178), (Start: 49 @2268 has 25 MA's), (Start: 50 @2283 has 160 MA's), (109, 2352), (119, 2367), (131, 2388), (Start: 166 @2469 has 2 MA's), (174, 2493), (186, 2526), (195, 2562), (231, 2637), (237, 2658), (241, 2673), (294, 2778), (327, 2844), (351, 2874), (383, 2928), (404, 2970), (421, 3006), (425, 3018), (441, 3051), (452, 3084), (464, 3126), (473, 3156), (517, 3189), (525, 3207), (526, 3213), (541, 3267), (546, 3285), (550, 3297), (556, 3312), (557, 3315), (569, 3348), (600, 3447), (601, 3450), (607, 3468), (628, 3510), (639, 3561), (640, 3564), (650, 3585), (660, 3609), (661, 3612), (664, 3621), (681, 3657), (684, 3672), (701, 3693),

Gene: Nyceirae_7 Start: 3039, Stop: 4517, Start Num: 111

Candidate Starts for Nyceirae_7:

(Start: 111 @3039 has 22 MA's), (125, 3063), (132, 3072), (170, 3162), (190, 3222), (193, 3234), (195, 3243), (227, 3300), (240, 3351), (241, 3354), (242, 3357), (248, 3381), (268, 3414), (284, 3438), (299, 3486), (305, 3498), (321, 3531), (349, 3570), (353, 3576), (368, 3600), (409, 3648), (418, 3669), (441, 3720), (452, 3753), (465, 3798), (480, 3846), (501, 3906), (509, 3927), (527, 3972), (528, 3975), (536, 3999), (544, 4035), (546, 4041), (561, 4083), (571, 4110), (583, 4155), (597, 4200), (601, 4212), (640, 4314), (652, 4341), (660, 4359), (678, 4398), (703, 4443),

Gene: Nyxis_12 Start: 8524, Stop: 9975, Start Num: 74

Candidate Starts for Nyxis_12:

(Start: 74 @8524 has 530 MA's), (170, 8671), (174, 8683), (239, 8851), (246, 8881), (265, 8920), (276, 8938), (301, 8998), (414, 9127), (421, 9145), (425, 9157), (459, 9256), (461, 9262), (467, 9283), (468, 9289), (496, 9358), (528, 9418), (544, 9463), (584, 9589), (585, 9592), (601, 9643), (603, 9649), (608, 9664), (617, 9694), (647, 9784), (662, 9820), (677, 9850),

Gene: ODay_4 Start: 2189, Stop: 3631, Start Num: 73

Candidate Starts for ODay_4:

(Start: 73 @2189 has 29 MA's), (146, 2291), (168, 2342), (190, 2399), (192, 2408), (227, 2480), (241, 2534), (252, 2567), (281, 2603), (308, 2666), (410, 2774), (422, 2801), (427, 2813), (429, 2816), (450, 2876), (452, 2882), (465, 2927), (466, 2933), (475, 2960), (481, 2978), (492, 3011), (518, 3062), (534, 3092), (551, 3146), (561, 3176), (571, 3206), (583, 3254), (607, 3329), (640, 3437), (645, 3455), (656, 3479), (662, 3491), (665, 3500), (679, 3527),

Gene: OKCentral2016_12 Start: 8077, Stop: 9519, Start Num: 74

Candidate Starts for OKCentral2016_12:

(Start: 74 @8077 has 530 MA's), (174, 8236), (197, 8305), (233, 8383), (242, 8416), (246, 8434), (264, 8473), (266, 8476), (363, 8635), (418, 8692), (425, 8710), (459, 8809), (461, 8815), (467, 8836), (468, 8842), (544, 9016), (584, 9142), (585, 9145), (601, 9196), (603, 9202), (608, 9217), (617, 9247), (621, 9256), (647, 9337), (662, 9373), (677, 9403), (702, 9454),

Gene: OKaNui_12 Start: 8343, Stop: 9794, Start Num: 74

Candidate Starts for OKaNui_12:

(Start: 74 @8343 has 530 MA's), (170, 8490), (174, 8502), (239, 8670), (246, 8700), (265, 8739), (276, 8757), (301, 8817), (414, 8946), (421, 8964), (425, 8976), (459, 9075), (461, 9081), (467, 9102), (468, 9108), (496, 9177), (528, 9237), (544, 9282), (584, 9408), (585, 9411), (601, 9462), (608, 9483), (617, 9513), (647, 9603), (662, 9639), (677, 9669), (685, 9699),

Gene: Obama12_12 Start: 8557, Stop: 10008, Start Num: 74

Candidate Starts for Obama12_12:

(Start: 74 @8557 has 530 MA's), (174, 8716), (239, 8884), (246, 8914), (265, 8953), (276, 8971), (301, 9031), (414, 9160), (421, 9178), (459, 9289), (461, 9295), (467, 9316), (468, 9322), (496, 9391), (528, 9451), (584, 9622), (585, 9625), (601, 9676), (603, 9682), (608, 9697), (617, 9727), (647, 9817), (662, 9853), (667, 9865), (677, 9883), (685, 9913),

Gene: ObiToo_3 Start: 2292, Stop: 3827, Start Num: 104

Candidate Starts for ObiToo_3:

(Start: 104 @2292 has 48 MA's), (Start: 166 @2412 has 2 MA's), (197, 2511), (318, 2775), (412, 2868), (478, 3048), (555, 3204), (573, 3252), (579, 3282), (587, 3306), (647, 3480), (704, 3591), (749, 3669), (760, 3690),

Gene: OctaviousRex_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for OctaviousRex_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Octobien14_14 Start: 7493, Stop: 8989, Start Num: 59

Candidate Starts for Octobien14_14:

(Start: 59 @7493 has 72 MA's), (90, 7538), (123, 7586), (131, 7604), (195, 7775), (197, 7781), (231, 7853), (241, 7889), (267, 7952), (273, 7961), (278, 7970), (286, 7985), (288, 7994), (308, 8036), (407, 8132), (409, 8135), (425, 8174), (433, 8192), (463, 8279), (533, 8405), (538, 8426), (565, 8516), (573, 8531), (587, 8585), (592, 8600), (601, 8630), (622, 8678), (623, 8681), (628, 8690), (631, 8705), (641, 8750), (648, 8762), (653, 8777), (655, 8783), (660, 8792), (690, 8858), (695, 8864), (709, 8879),

Gene: Odin_12 Start: 8081, Stop: 9538, Start Num: 74

Candidate Starts for Odin_12:

(Start: 74 @8081 has 530 MA's), (129, 8141), (170, 8234), (174, 8246), (223, 8360), (288, 8528), (425, 8717), (452, 8789), (459, 8816), (461, 8822), (467, 8843), (561, 9056), (601, 9188), (607, 9206), (608, 9209), (617, 9236), (621, 9245), (649, 9332), (662, 9362), (677, 9392), (685, 9422), (706, 9446),

Gene: Ogotogo_5 Start: 2442, Stop: 3866, Start Num: 73

Candidate Starts for Ogotogo_5:

(Start: 73 @2442 has 29 MA's), (105, 2475), (140, 2529), (165, 2589), (168, 2598), (184, 2631), (192, 2664), (201, 2694), (228, 2739), (232, 2757), (239, 2781), (241, 2790), (276, 2850), (301, 2910), (307, 2919), (308, 2922), (331, 2955), (350, 2976), (386, 3018), (422, 3057), (427, 3069), (449, 3129), (450, 3132), (452, 3138), (456, 3153), (465, 3183), (466, 3189), (492, 3267), (534, 3348), (551, 3402), (565, 3447), (571, 3462), (591, 3534), (605, 3579), (607, 3585), (640, 3693), (642, 3702), (645, 3711), (659, 3741), (665, 3756), (679, 3783),

Gene: OhShagHennessy_5 Start: 2598, Stop: 4271, Start Num: 84

Candidate Starts for OhShagHennessy_5:

(Start: 84 @2598 has 64 MA's), (131, 2661), (150, 2715), (165, 2739), (189, 2808), (195, 2832), (231, 2910), (241, 2946), (286, 3039), (327, 3117), (372, 3156), (421, 3219), (432, 3246), (433, 3249), (444, 3270), (450, 3291), (462, 3333), (463, 3336), (520, 3438), (526, 3453), (528, 3459), (552, 3540), (561, 3567), (562, 3573), (592, 3666), (600, 3693), (603, 3702), (628, 3756), (633, 3777), (638, 3798), (647, 3825), (650, 3834), (677, 3894), (690, 3924), (698, 3933), (762, 4041), (782, 4236),

Gene: Ohfah_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Ohfah_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Ohno789_12 Start: 8545, Stop: 9987, Start Num: 112

Candidate Starts for Ohno789_12:

(Start: 112 @8545 has 204 MA's), (195, 8743), (288, 8956), (421, 9151), (425, 9163), (459, 9262), (547, 9457), (561, 9496), (584, 9574), (586, 9580), (601, 9628), (605, 9640), (608, 9649), (639, 9739), (677, 9829), (687, 9862), (696, 9874),

Gene: OkiRoe_7 Start: 2767, Stop: 4302, Start Num: 50

Candidate Starts for OkiRoe_7:

(Start: 50 @2767 has 160 MA's), (109, 2839), (131, 2875), (135, 2884), (149, 2929), (186, 3013), (189, 3025), (197, 3055), (207, 3073), (231, 3124), (241, 3160), (248, 3187), (286, 3238), (287, 3241), (288, 3247), (294, 3262), (297, 3265), (333, 3337), (336, 3340), (351, 3358), (370, 3388), (396, 3433), (399, 3442), (421, 3487), (441, 3532), (452, 3565), (457, 3586), (462, 3601), (463, 3604), (464, 3607), (517, 3670), (525, 3688), (526, 3694), (546, 3766), (550, 3778), (552, 3781), (557, 3796), (575, 3841), (576, 3856), (583, 3877), (600, 3931), (601, 3934), (607, 3952), (612, 3967), (637, 4033), (640, 4048), (650, 4069), (664, 4105), (681, 4141), (735, 4228),

Gene: Oksu_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for Oksu_4:

(Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (336, 2704), (366, 2746), (397, 2797), (406, 2815), (421, 2848), (424, 2857), (425, 2860), (447, 2908), (449, 2917), (457, 2947), (463, 2965), (473, 2998), (526, 3055), (550, 3139), (557, 3157), (565, 3184), (571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532), (728, 3580),

Gene: OlanP_14 Start: 8906, Stop: 10360, Start Num: 74

Candidate Starts for OlanP_14:

(Start: 74 @8906 has 530 MA's), (Start: 114 @8936 has 8 MA's), (129, 8963), (174, 9068), (223, 9182), (242, 9248), (265, 9305), (301, 9383), (303, 9386), (421, 9527), (459, 9638), (461, 9644), (467, 9665), (544, 9830), (584, 9956), (601, 10010), (603, 10016), (608, 10031), (621, 10067), (649, 10154), (662, 10184), (677, 10214), (696, 10259), (706, 10268),

Gene: Olga_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Olga_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Oliynyk_8 Start: 4235, Stop: 5683, Start Num: 99

Candidate Starts for Oliynyk_8:

(Start: 96 @4232 has 3 MA's), (Start: 99 @4235 has 4 MA's), (Start: 108 @4241 has 156 MA's), (Start: 166 @4358 has 2 MA's), (184, 4406), (190, 4430), (312, 4724), (346, 4766), (364, 4793), (446, 4919), (449, 4931), (477, 5024), (520, 5102), (535, 5147), (549, 5204), (558, 5228), (631, 5441), (747, 5669),

Gene: Ollie_14 Start: 8525, Stop: 9979, Start Num: 74

Candidate Starts for Ollie_14:

(Start: 74 @8525 has 530 MA's), (Start: 114 @8555 has 8 MA's), (129, 8582), (174, 8687), (223, 8801), (242, 8867), (265, 8924), (301, 9002), (303, 9005), (421, 9146), (459, 9257), (461, 9263), (467, 9284), (544, 9449), (584, 9575), (601, 9629), (603, 9635), (608, 9650), (621, 9686), (649, 9773), (662, 9803), (677, 9833), (696, 9878), (706, 9887),

Gene: Omar_8 Start: 4088, Stop: 5557, Start Num: 108

Candidate Starts for Omar_8:

(Start: 108 @4088 has 156 MA's), (128, 4118), (Start: 166 @4205 has 2 MA's), (184, 4253), (187, 4265), (197, 4304), (231, 4397), (237, 4418), (266, 4481), (315, 4574), (364, 4637), (398, 4670), (446, 4763), (449, 4775), (470, 4850), (477, 4868), (483, 4886), (535, 5033), (549, 5090), (607, 5270), (631, 5327), (655, 5405), (661, 5417), (664, 5426), (747, 5543),

Gene: OmniCritical_10 Start: 3907, Stop: 5508, Start Num: 49

Candidate Starts for OmniCritical_10:

(Start: 49 @3907 has 25 MA's), (Start: 50 @3922 has 160 MA's), (60, 3946), (109, 4012), (135, 4057), (Start: 166 @4129 has 2 MA's), (186, 4186), (188, 4195), (189, 4198), (197, 4228), (231, 4297), (237, 4318), (246, 4354), (248, 4360), (271, 4384), (288, 4420), (294, 4435), (315, 4474), (399, 4609), (404, 4618), (414, 4636), (424, 4663), (425, 4666), (441, 4699), (452, 4732), (457, 4753), (464, 4774), (517, 4837), (526, 4861), (535, 4885), (546, 4933), (550, 4945), (555, 4957), (557, 4963), (571, 5002), (605, 5116), (607, 5122), (650, 5293), (661, 5320), (664, 5329), (693, 5392), (704, 5404),

Gene: Omnicron_7 Start: 2826, Stop: 4379, Start Num: 50

Candidate Starts for Omnicron_7:

(Start: 50 @2826 has 160 MA's), (109, 2901), (124, 2925), (131, 2937), (135, 2946), (149, 2991), (Start: 166 @3018 has 2 MA's), (186, 3075), (189, 3087), (231, 3186), (237, 3207), (241, 3222), (248, 3249), (286, 3300), (287, 3303), (294, 3324), (297, 3327), (333, 3399), (351, 3420), (421, 3549), (425, 3561), (441, 3594), (452, 3627), (457, 3648), (462, 3663), (463, 3666), (464, 3669), (517, 3732), (525, 3750), (541, 3810), (546, 3828), (550, 3840), (552, 3843), (557, 3858), (575, 3903), (576, 3918), (583, 3939), (587, 3951), (600, 3993), (601, 3996), (607, 4014), (637, 4095), (640, 4110), (650, 4131), (660, 4155), (664, 4167), (681, 4203), (735, 4290), (742, 4302),

Gene: Onglai_13 Start: 8259, Stop: 9746, Start Num: 74

Candidate Starts for Onglai_13:

(Start: 74 @8259 has 530 MA's), (129, 8322), (174, 8427), (197, 8496), (252, 8637), (271, 8676), (288, 8709), (301, 8742), (421, 8886), (452, 8970), (459, 8997), (461, 9003), (467, 9024), (477, 9054), (486, 9075), (501, 9099), (511, 9114), (601, 9369), (607, 9387), (617, 9417), (619, 9420), (621, 9426), (659, 9537), (662, 9543), (677, 9573), (696, 9618), (706, 9627),

Gene: Oofda_16 Start: 8351, Stop: 9811, Start Num: 74

Candidate Starts for Oofda_16:

(Start: 74 @8351 has 530 MA's), (129, 8411), (174, 8516), (196, 8582), (271, 8765), (288, 8798), (301, 8831), (452, 9062), (459, 9089), (461, 9095), (467, 9116), (474, 9137), (486, 9167), (501, 9191), (555, 9311), (584, 9407), (593, 9434), (601, 9461), (607, 9479), (608, 9482), (617, 9515), (621, 9524), (662, 9641), (677, 9671), (706, 9725),

Gene: Oogway_11 Start: 8676, Stop: 10118, Start Num: 112

Candidate Starts for Oogway_11:

(64, 8610), (Start: 112 @8676 has 204 MA's), (195, 8874), (288, 9087), (421, 9282), (425, 9294), (459, 9393), (547, 9588), (561, 9627), (584, 9705), (586, 9711), (601, 9759), (605, 9771), (608, 9780), (639, 9870), (677, 9960), (687, 9993), (696, 10005),

Gene: Orange_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Orange_13:

(Start: 74 @9784 has 530 MA's), (120, 9829), (129, 9844), (174, 9949), (288, 10231), (301, 10264), (425, 10420), (452, 10492), (459, 10519), (461, 10525), (467, 10546), (486, 10597), (592, 10861), (601, 10891), (608, 10912), (612, 10927), (617, 10939), (621, 10948), (649, 11035), (662, 11065), (677, 11095), (685, 11125), (736, 11191),

Gene: Orla_6 Start: 2790, Stop: 4232, Start Num: 115

Candidate Starts for Orla_6:

(Start: 115 @2790 has 54 MA's), (129, 2805), (170, 2898), (172, 2907), (236, 3063), (244, 3093), (277, 3150), (310, 3222), (422, 3354), (449, 3426), (454, 3444), (461, 3468), (463, 3474), (520, 3618), (554, 3717), (603, 3876), (607, 3888), (621, 3924), (629, 3933), (642, 3993), (656, 4026), (685, 4098), (696, 4113), (759, 4224),

Gene: Oscar_8 Start: 2918, Stop: 4462, Start Num: 50

Candidate Starts for Oscar_8:

(31, 2813), (Start: 49 @2903 has 25 MA's), (Start: 50 @2918 has 160 MA's), (70, 2954), (92, 2972), (124, 3017), (131, 3029), (135, 3038), (Start: 166 @3110 has 2 MA's), (174, 3134), (181, 3152), (186, 3167), (188, 3176), (189, 3179), (237, 3299), (241, 3314), (247, 3338), (248, 3341), (294, 3419), (315, 3458), (333, 3494), (351, 3515), (376, 3554), (399, 3599), (421, 3644), (424, 3653), (441, 3689), (452, 3722), (457, 3743), (464, 3764), (473, 3794), (517, 3827), (525, 3845), (546, 3923), (550, 3935), (552, 3938), (556, 3950), (557, 3953), (600, 4085), (601, 4088), (607, 4106), (628, 4148), (637, 4187), (639, 4199), (650, 4223), (660, 4247), (661, 4250), (664, 4259), (681, 4295), (735, 4382),

Gene: Ouroboros_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for Ouroboros_3:

(Start: 106 @1886 has 46 MA's), (113, 1892), (118, 1901), (Start: 121 @1907 has 1 MA's), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (302, 2315), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (415, 2432), (424, 2456), (425, 2459), (430, 2468), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (499, 2657), (506, 2666), (509, 2675), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (608, 2945), (610, 2957), (628, 2990), (639, 3041), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: OwlsT2W_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for OwlsT2W_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Ozzie_7 Start: 4061, Stop: 5503, Start Num: 108

Candidate Starts for Ozzie_7:

(Start: 96 @4052 has 3 MA's), (Start: 99 @4055 has 4 MA's), (Start: 108 @4061 has 156 MA's), (Start: 166 @4178 has 2 MA's), (184, 4226), (312, 4544), (346, 4586), (364, 4613), (398, 4646), (446, 4739), (449, 4751), (477, 4844), (520, 4922), (535, 4967), (549, 5024), (558, 5048), (631, 5261), (747, 5489),

Gene: OzzyJ_8 Start: 4056, Stop: 5492, Start Num: 108

Candidate Starts for OzzyJ_8:

(Start: 99 @4050 has 4 MA's), (Start: 108 @4056 has 156 MA's), (123, 4080), (136, 4104), (Start: 166 @4173 has 2 MA's), (184, 4221), (187, 4233), (197, 4272), (249, 4425), (312, 4539), (346, 4581), (364, 4608), (398, 4641), (446, 4737), (449, 4749), (470, 4824), (477, 4842), (520, 4920), (535, 4965), (549, 5022), (623, 5235), (631, 5259), (680, 5391), (726, 5457), (747, 5478),

Gene: P1.1_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for P1.1_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (223, 2126), (227,

2135), (237, 2174), (239, 2180), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (415, 2432), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: P100.1_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for P100.1_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (417, 2438), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (458, 2555), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (496, 2651), (499, 2657), (506, 2666), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (598, 2915), (603, 2930), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: P100A_3 Start: 1891, Stop: 3216, Start Num: 106

Candidate Starts for P100A_3:

(Start: 106 @1891 has 46 MA's), (Start: 121 @1912 has 1 MA's), (128, 1924), (139, 1945), (165, 2005), (174, 2029), (180, 2038), (185, 2050), (190, 2071), (192, 2080), (227, 2140), (237, 2179), (239, 2185), (244, 2206), (246, 2215), (260, 2245), (261, 2248), (296, 2308), (304, 2323), (306, 2326), (317, 2350), (338, 2368), (348, 2380), (366, 2392), (414, 2434), (417, 2443), (424, 2461), (425, 2464), (430, 2473), (463, 2575), (474, 2611), (477, 2620), (495, 2653), (496, 2656), (499, 2662), (506, 2671), (509, 2680), (534, 2713), (547, 2758), (554, 2776), (584, 2875), (603, 2935), (621, 2989), (628, 2995), (639, 3046), (658, 3094), (659, 3097), (662, 3103), (663, 3106), (670, 3121), (678, 3136), (679, 3139), (689, 3169), (705, 3178),

Gene: P100D_3 Start: 1881, Stop: 3206, Start Num: 106

Candidate Starts for P100D_3:

(Start: 106 @1881 has 46 MA's), (118, 1896), (128, 1914), (139, 1935), (157, 1986), (165, 1995), (174, 2019), (180, 2028), (184, 2037), (185, 2040), (190, 2061), (192, 2070), (223, 2121), (227, 2130), (244, 2196), (260, 2235), (296, 2298), (304, 2313), (306, 2316), (338, 2358), (348, 2370), (366, 2382), (408, 2415), (417, 2433), (418, 2436), (425, 2454), (430, 2463), (456, 2541), (459, 2553), (463, 2565), (474, 2601), (477, 2610), (499, 2652), (506, 2661), (509, 2670), (547, 2748), (550, 2757), (554, 2766), (576, 2841), (584, 2865), (628, 2985), (639, 3036), (648, 3063), (658, 3084), (659, 3087), (662, 3093), (663, 3096), (670, 3111), (678, 3126), (679, 3129), (689, 3159),

Gene: P101A_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for P101A_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (340, 2366), (348, 2375), (366, 2387), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (495, 2648), (496, 2651), (499, 2657), (506, 2666), (534, 2708), (537, 2723), (547, 2753), (549, 2759), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (598, 2915), (608, 2945), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: P104A_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for P104A_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (417, 2438), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (499, 2657), (506, 2666), (534, 2708), (537, 2723), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (621, 2984), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: P104B_3 Start: 1881, Stop: 3206, Start Num: 106

Candidate Starts for P104B_3:

(Start: 106 @1881 has 46 MA's), (118, 1896), (128, 1914), (139, 1935), (157, 1986), (167, 2001), (174, 2019), (180, 2028), (184, 2037), (185, 2040), (190, 2061), (192, 2070), (199, 2091), (227, 2130), (237, 2169), (239, 2175), (244, 2196), (246, 2205), (260, 2235), (261, 2238), (296, 2298), (304, 2313), (306, 2316), (311, 2325), (317, 2340), (335, 2355), (338, 2358), (348, 2370), (366, 2382), (415, 2427), (417, 2433), (418, 2436), (425, 2454), (430, 2463), (456, 2541), (458, 2550), (459, 2553), (463, 2565), (474, 2601), (477, 2610), (496, 2646), (499, 2652), (506, 2661), (509, 2670), (534, 2703), (547, 2748), (550, 2757), (554, 2766), (561, 2787), (584, 2865), (628, 2985), (639, 3036), (658, 3084), (659, 3087), (662, 3093), (663, 3096), (670, 3111), (678, 3126), (679, 3129), (689, 3159), (705, 3168),

Gene: P105_3 Start: 1881, Stop: 3206, Start Num: 106

Candidate Starts for P105_3:

(Start: 106 @1881 has 46 MA's), (118, 1896), (128, 1914), (139, 1935), (157, 1986), (165, 1995), (167, 2001), (174, 2019), (180, 2028), (184, 2037), (185, 2040), (190, 2061), (192, 2070), (223, 2121), (227, 2130), (244, 2196), (246, 2205), (296, 2298), (304, 2313), (306, 2316), (335, 2355), (338, 2358), (348, 2370), (366, 2382), (389, 2409), (417, 2433), (418, 2436), (424, 2451), (425, 2454), (430, 2463), (458, 2550), (463, 2565), (477, 2610), (499, 2652), (506, 2661), (509, 2670), (534, 2703), (537, 2718), (547, 2748), (549, 2754), (550, 2757), (554, 2766), (576, 2841), (584, 2865), (621, 2979), (628, 2985), (639, 3036), (648, 3063), (658, 3084), (659, 3087), (662, 3093), (663, 3096), (665, 3102), (670, 3111), (678, 3126), (679, 3129), (689, 3159),

Gene: P106A_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for P106A_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (340, 2366), (348, 2375), (366, 2387), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (495, 2648), (496, 2651), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (537, 2723), (547, 2753), (549, 2759), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (598, 2915), (608, 2945), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: P106C_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for P106C_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (340, 2366), (348, 2375), (366, 2387), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (495, 2648), (496, 2651), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (537, 2723), (547, 2753), (549, 2759), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (598, 2915), (608, 2945), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134),

3134), (689, 3164),

Gene: P106I_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for P106I_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (340, 2366), (348, 2375), (366, 2387), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (495, 2648), (496, 2651), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (537, 2723), (547, 2753), (549, 2759), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (598, 2915), (608, 2945), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: P106L_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for P106L_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (340, 2366), (348, 2375), (366, 2387), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (495, 2648), (496, 2651), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (537, 2723), (547, 2753), (549, 2759), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (598, 2915), (608, 2945), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: P106M_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for P106M_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (340, 2366), (348, 2375), (366, 2387), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (495, 2648), (496, 2651), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (537, 2723), (547, 2753), (549, 2759), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (598, 2915), (608, 2945), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: P107A_3 Start: 1894, Stop: 3219, Start Num: 106

Candidate Starts for P107A_3:

(Start: 106 @1894 has 46 MA's), (118, 1909), (128, 1927), (139, 1948), (165, 2008), (174, 2032), (180, 2041), (185, 2053), (190, 2074), (192, 2083), (223, 2134), (227, 2143), (237, 2182), (239, 2188), (244, 2209), (246, 2218), (260, 2248), (261, 2251), (304, 2326), (306, 2329), (317, 2353), (338, 2371), (348, 2383), (366, 2395), (415, 2440), (424, 2464), (425, 2467), (430, 2476), (458, 2563), (459, 2566), (495, 2656), (496, 2659), (499, 2665), (506, 2674), (509, 2683), (534, 2716), (547, 2761), (549, 2767), (550, 2770), (554, 2779), (561, 2800), (584, 2878), (603, 2938), (608, 2953), (621, 2992), (628, 2998), (639, 3049), (648, 3076), (658, 3097), (659, 3100), (662, 3106), (663, 3109), (670, 3124), (678, 3139), (679, 3142), (689, 3172), (694, 3178), (705, 3181),

Gene: P107C_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for P107C_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (237, 2174), (239,

2180), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (408, 2420), (417, 2438), (424, 2456), (425, 2459), (430, 2468), (459, 2558), (463, 2570), (477, 2615), (499, 2657), (506, 2666), (534, 2708), (547, 2753), (549, 2759), (550, 2762), (554, 2771), (561, 2792), (576, 2846), (584, 2870), (608, 2945), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: P108C_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for P108C_3:

(Start: 106 @1886 has 46 MA's), (113, 1892), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (246, 2210), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (408, 2420), (415, 2432), (417, 2438), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (603, 2930), (608, 2945), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: P14.4_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for P14.4_3:

(Start: 106 @1886 has 46 MA's), (113, 1892), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (246, 2210), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (415, 2432), (424, 2456), (425, 2459), (430, 2468), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (496, 2651), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (621, 2984), (628, 2990), (639, 3041), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: P28Green_14 Start: 8653, Stop: 10107, Start Num: 74

Candidate Starts for P28Green_14:

(Start: 74 @8653 has 530 MA's), (Start: 114 @8683 has 8 MA's), (129, 8710), (174, 8815), (223, 8929), (242, 8995), (265, 9052), (301, 9130), (303, 9133), (421, 9274), (459, 9385), (461, 9391), (467, 9412), (544, 9577), (584, 9703), (601, 9757), (603, 9763), (608, 9778), (621, 9814), (649, 9901), (662, 9931), (677, 9961), (696, 10006), (706, 10015),

Gene: P3MA_4 Start: 2405, Stop: 3877, Start Num: 76

Candidate Starts for P3MA_4:

(Start: 76 @2405 has 2 MA's), (Start: 121 @2456 has 1 MA's), (165, 2549), (184, 2591), (190, 2615), (191, 2621), (219, 2681), (301, 2870), (308, 2882), (368, 2954), (422, 3011), (429, 3026), (430, 3029), (448, 3080), (449, 3083), (474, 3167), (496, 3230), (498, 3233), (566, 3407), (601, 3521), (602, 3524), (605, 3533), (609, 3551), (625, 3581), (659, 3689), (705, 3779),

Gene: P9.1_3 Start: 1881, Stop: 3206, Start Num: 106

Candidate Starts for P9.1_3:

(Start: 106 @1881 has 46 MA's), (118, 1896), (128, 1914), (139, 1935), (157, 1986), (165, 1995), (167, 2001), (174, 2019), (180, 2028), (184, 2037), (185, 2040), (190, 2061), (192, 2070), (227, 2130), (244, 2196), (246, 2205), (260, 2235), (261, 2238), (296, 2298), (304, 2313), (306, 2316), (335, 2355), (338, 2358), (340, 2361), (348, 2370), (366, 2382), (417, 2433), (418, 2436), (424, 2451), (425, 2454), (430, 2463), (456, 2541), (459, 2553), (463, 2565), (474, 2601), (477, 2610), (495, 2643), (496, 2646), (499, 2652), (506, 2661), (509, 2670), (534, 2703), (537, 2718), (547, 2748), (549, 2754), (550, 2757), (554, 2766), (576, 2841), (584, 2865), (598, 2910), (608, 2940), (628, 2985), (639, 3036), (642, 3048), (648, 3063), (658, 3084), (659, 3087), (662, 3093), (663, 3096), (665, 3102), (670, 3111), (678, 3126), (679,

3129), (689, 3159),

Gene: PA6_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for PA6_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (260, 2240), (296, 2303), (302, 2315), (304, 2318), (306, 2321), (338, 2363), (348, 2375), (366, 2387), (408, 2420), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (603, 2930), (608, 2945), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164), (694, 3170),

Gene: PAD20_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for PAD20_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (261, 2243), (304, 2318), (306, 2321), (317, 2345), (338, 2363), (340, 2366), (348, 2375), (366, 2387), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (547, 2753), (554, 2771), (576, 2846), (584, 2870), (598, 2915), (603, 2930), (608, 2945), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: PAS50_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for PAS50_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (244, 2201), (260, 2240), (262, 2246), (302, 2315), (304, 2318), (317, 2345), (338, 2363), (348, 2375), (366, 2387), (408, 2420), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (463, 2570), (474, 2606), (477, 2615), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (608, 2945), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: PGHhamlin_16 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for PGHhamlin_16:

(Start: 74 @8646 has 530 MA's), (Start: 114 @8676 has 8 MA's), (129, 8703), (174, 8808), (223, 8922), (242, 8988), (265, 9045), (301, 9123), (303, 9126), (421, 9267), (459, 9378), (461, 9384), (467, 9405), (544, 9570), (584, 9696), (601, 9750), (603, 9756), (608, 9771), (621, 9807), (649, 9894), (662, 9924), (677, 9954), (696, 9999), (706, 10008),

Gene: PHL010M04_03 Start: 1885, Stop: 3210, Start Num: 106

Candidate Starts for PHL010M04_03:

(Start: 106 @1885 has 46 MA's), (113, 1891), (118, 1900), (128, 1918), (139, 1939), (165, 1999), (174, 2023), (180, 2032), (184, 2041), (185, 2044), (190, 2065), (192, 2074), (223, 2125), (227, 2134), (237, 2173), (239, 2179), (244, 2200), (246, 2209), (260, 2239), (261, 2242), (304, 2317), (306, 2320), (338, 2362), (348, 2374), (408, 2419), (417, 2437), (418, 2440), (424, 2455), (425, 2458), (430, 2467), (463, 2569), (495, 2647), (496, 2650), (499, 2656), (506, 2665), (509, 2674), (547, 2752), (554, 2770), (561, 2791), (608, 2944), (610, 2956), (621, 2983), (628, 2989), (639, 3040), (642, 3052), (648, 3067), (658, 3088), (659, 3091), (662, 3097), (663, 3100), (665, 3106), (670, 3115), (678, 3130), (679, 3133), (689, 3163), (705, 3172),

Gene: PHL037M02_03 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for PHL037M02_03:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (246, 2210), (260, 2240), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (408, 2420), (417, 2438), (418, 2441), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (499, 2657), (506, 2666), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: PHL060L00_03 Start: 1881, Stop: 3206, Start Num: 106

Candidate Starts for PHL060L00_03:

(Start: 106 @1881 has 46 MA's), (118, 1896), (128, 1914), (139, 1935), (157, 1986), (167, 2001), (174, 2019), (180, 2028), (184, 2037), (185, 2040), (190, 2061), (192, 2070), (227, 2130), (237, 2169), (239, 2175), (244, 2196), (246, 2205), (260, 2235), (261, 2238), (296, 2298), (302, 2310), (304, 2313), (317, 2340), (338, 2358), (348, 2370), (366, 2382), (408, 2415), (417, 2433), (418, 2436), (425, 2454), (430, 2463), (458, 2550), (463, 2565), (474, 2601), (477, 2610), (495, 2643), (496, 2646), (499, 2652), (506, 2661), (509, 2670), (534, 2703), (547, 2748), (549, 2754), (550, 2757), (554, 2766), (576, 2841), (584, 2865), (598, 2910), (608, 2940), (621, 2979), (628, 2985), (639, 3036), (648, 3063), (658, 3084), (659, 3087), (662, 3093), (663, 3096), (665, 3102), (670, 3111), (678, 3126), (679, 3129), (689, 3159),

Gene: PHL067M10_03 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for PHL067M10_03:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (244, 2201), (260, 2240), (296, 2303), (304, 2318), (306, 2321), (338, 2363), (348, 2375), (366, 2387), (389, 2414), (415, 2432), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (598, 2915), (621, 2984), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: PHL071N05_03 Start: 1881, Stop: 3206, Start Num: 106

Candidate Starts for PHL071N05_03:

(Start: 106 @1881 has 46 MA's), (118, 1896), (128, 1914), (139, 1935), (157, 1986), (165, 1995), (167, 2001), (174, 2019), (180, 2028), (184, 2037), (185, 2040), (190, 2061), (192, 2070), (227, 2130), (237, 2169), (239, 2175), (244, 2196), (246, 2205), (260, 2235), (261, 2238), (296, 2298), (304, 2313), (306, 2316), (335, 2355), (338, 2358), (348, 2370), (366, 2382), (415, 2427), (424, 2451), (425, 2454), (430, 2463), (456, 2541), (459, 2553), (463, 2565), (474, 2601), (477, 2610), (499, 2652), (506, 2661), (509, 2670), (534, 2703), (547, 2748), (550, 2757), (554, 2766), (576, 2841), (584, 2865), (608, 2940), (628, 2985), (639, 3036), (648, 3063), (658, 3084), (659, 3087), (662, 3093), (663, 3096), (670, 3111), (678, 3126), (679, 3129), (689, 3159),

Gene: PHL111M01_03 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for PHL111M01_03:

(Start: 106 @1886 has 46 MA's), (113, 1892), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (244, 2201), (260, 2240), (296, 2303), (302, 2315), (304, 2318), (317, 2345), (338, 2363), (348, 2375), (366, 2387), (408, 2420), (417, 2438), (418, 2441), (425, 2459), (430, 2468), (456, 2546), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (608, 2945), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: PHL112N00_03 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for PHL112N00_03:

(Start: 106 @1886 has 46 MA's), (113, 1892), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (244, 2201), (260, 2240), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (415, 2432), (417, 2438), (424, 2456), (425, 2459), (430, 2468), (458, 2555), (463, 2570), (477, 2615), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (537, 2723), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (621, 2984), (628, 2990), (639, 3041), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: PHL113M01_03 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for PHL113M01_03:

(Start: 106 @1886 has 46 MA's), (118, 1901), (Start: 121 @1907 has 1 MA's), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (239, 2180), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (415, 2432), (417, 2438), (418, 2441), (424, 2456), (425, 2459), (430, 2468), (459, 2558), (463, 2570), (474, 2606), (477, 2615), (496, 2651), (499, 2657), (506, 2666), (534, 2708), (537, 2723), (547, 2753), (549, 2759), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (628, 2990), (639, 3041), (642, 3053), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (665, 3107), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: PHL114L00_03 Start: 1894, Stop: 3219, Start Num: 106

Candidate Starts for PHL114L00_03:

(Start: 106 @1894 has 46 MA's), (128, 1927), (139, 1948), (157, 1999), (165, 2008), (174, 2032), (180, 2041), (184, 2050), (185, 2053), (190, 2074), (192, 2083), (223, 2134), (227, 2143), (237, 2182), (244, 2209), (246, 2218), (260, 2248), (261, 2251), (302, 2323), (304, 2326), (317, 2353), (335, 2368), (338, 2371), (340, 2374), (348, 2383), (366, 2395), (417, 2446), (424, 2464), (425, 2467), (430, 2476), (456, 2554), (463, 2578), (474, 2614), (477, 2623), (499, 2665), (506, 2674), (534, 2716), (547, 2761), (549, 2767), (550, 2770), (554, 2779), (576, 2854), (584, 2878), (608, 2953), (621, 2992), (628, 2998), (639, 3049), (648, 3076), (658, 3097), (659, 3100), (662, 3106), (663, 3109), (665, 3115), (670, 3124), (678, 3139), (679, 3142), (689, 3172),

Gene: PP_22 Start: 14143, Stop: 15684, Start Num: 74

Candidate Starts for PP_22:

(Start: 74 @14143 has 530 MA's), (174, 14308), (242, 14539), (281, 14623), (301, 14674), (363, 14755), (414, 14803), (418, 14815), (421, 14821), (424, 14830), (452, 14905), (459, 14932), (461, 14938), (467, 14959), (468, 14965), (477, 14989), (496, 15037), (544, 15142), (584, 15268), (585, 15271), (601, 15322), (603, 15328), (607, 15340), (608, 15343), (629, 15391), (640, 15442), (647, 15463), (649, 15469), (662, 15499), (685, 15559),

Gene: PSullivan_14 Start: 9164, Stop: 10606, Start Num: 112

Candidate Starts for PSullivan_14:

(64, 9098), (Start: 112 @9164 has 204 MA's), (195, 9362), (288, 9575), (421, 9770), (425, 9782), (459, 9881), (484, 9953), (547, 10076), (561, 10115), (584, 10193), (586, 10199), (601, 10247), (605, 10259), (608, 10268), (639, 10358), (677, 10448), (687, 10481), (696, 10493),

Gene: PYPDinur_5 Start: 2334, Stop: 3971, Start Num: 87

Candidate Starts for PYPDinur_5:

(Start: 87 @2334 has 9 MA's), (137, 2409), (188, 2538), (189, 2541), (197, 2571), (231, 2643), (241, 2679), (251, 2718), (327, 2850), (372, 2889), (407, 2922), (418, 2946), (421, 2952), (430, 2973), (432, 2979), (433, 2982), (444, 3003), (462, 3066), (463, 3069), (520, 3171), (528, 3192), (561, 3300), (562, 3306), (592, 3399), (600, 3426), (628, 3489), (638, 3531), (647, 3558), (650, 3567), (677, 3627), (690, 3657), (698, 3666), (704, 3672), (757, 3762), (762, 3774), (776, 3852),

Gene: Pablito_7 Start: 3894, Stop: 5375, Start Num: 108

Candidate Starts for Pablito_7:

(Start: 108 @3894 has 156 MA's), (Start: 166 @4011 has 2 MA's), (184, 4059), (187, 4071), (206, 4152), (231, 4203), (314, 4377), (346, 4416), (398, 4476), (446, 4569), (449, 4581), (470, 4656), (477, 4674), (481, 4686), (483, 4692), (485, 4698), (535, 4839), (547, 4890), (549, 4896), (631, 5133), (664, 5232), (680, 5265), (747, 5361),

Gene: Pace1224_3 Start: 1900, Stop: 3444, Start Num: 59

Candidate Starts for Pace1224_3:

(Start: 59 @1900 has 72 MA's), (117, 1972), (118, 1975), (168, 2083), (184, 2116), (201, 2179), (238, 2263), (239, 2266), (281, 2350), (299, 2395), (301, 2401), (356, 2476), (360, 2482), (422, 2548), (427, 2560), (429, 2563), (441, 2593), (456, 2644), (461, 2662), (471, 2698), (506, 2782), (534, 2839), (553, 2899), (607, 3076), (651, 3208), (679, 3271), (688, 3298), (729, 3343),

Gene: PacerPaul_12 Start: 8932, Stop: 10374, Start Num: 112

Candidate Starts for PacerPaul_12:

(64, 8866), (Start: 112 @8932 has 204 MA's), (195, 9130), (288, 9343), (421, 9538), (425, 9550), (459, 9649), (484, 9721), (547, 9844), (561, 9883), (584, 9961), (586, 9967), (601, 10015), (605, 10027), (608, 10036), (639, 10126), (677, 10216), (687, 10249), (696, 10261),

Gene: PackMan_14 Start: 9893, Stop: 11380, Start Num: 74

Candidate Starts for PackMan_14:

(Start: 74 @9893 has 530 MA's), (129, 9956), (174, 10061), (252, 10271), (271, 10310), (288, 10343), (301, 10376), (421, 10520), (435, 10556), (440, 10565), (452, 10604), (459, 10631), (461, 10637), (467, 10658), (477, 10688), (486, 10709), (501, 10733), (511, 10748), (601, 11003), (607, 11021), (617, 11051), (619, 11054), (621, 11060), (659, 11171), (662, 11177), (677, 11207), (696, 11252), (706, 11261),

Gene: Padfoot_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Padfoot_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Padpat_9 Start: 3014, Stop: 4582, Start Num: 49

Candidate Starts for Padpat_9:

(31, 2927), (Start: 49 @3014 has 25 MA's), (Start: 50 @3029 has 160 MA's), (128, 3131), (131, 3140), (160, 3212), (Start: 166 @3221 has 2 MA's), (174, 3245), (186, 3278), (188, 3287), (231, 3389), (237, 3410), (247, 3449), (248, 3452), (288, 3515), (294, 3530), (307, 3554), (333, 3605), (351, 3626), (385, 3680), (441, 3800), (452, 3833), (457, 3854), (464, 3875), (473, 3905), (517, 3938), (525, 3956), (541, 4016), (546, 4034), (550, 4046), (552, 4049), (556, 4061), (557, 4064), (573, 4100), (585, 4148), (601, 4199), (607, 4217), (640, 4313), (650, 4334), (661, 4361), (664, 4370), (681, 4406),

Gene: Paedore_7 Start: 3938, Stop: 5407, Start Num: 108

Candidate Starts for Paedore_7:

(Start: 108 @3938 has 156 MA's), (Start: 166 @4055 has 2 MA's), (184, 4103), (187, 4115), (197, 4154), (231, 4247), (308, 4412), (312, 4418), (449, 4625), (470, 4700), (477, 4718), (481, 4730), (483, 4736), (485, 4742), (535, 4883), (547, 4934), (549, 4940), (575, 5009), (586, 5054), (607, 5120), (631, 5177), (661, 5267), (680, 5309), (747, 5393),

Gene: PainterBoy_14 Start: 9278, Stop: 10750, Start Num: 74

Candidate Starts for PainterBoy_14:

(Start: 74 @9278 has 530 MA's), (129, 9338), (167, 9425), (170, 9431), (174, 9443), (288, 9725), (301, 9758), (421, 9902), (424, 9911), (452, 9986), (458, 10010), (459, 10013), (461, 10019), (467, 10040), (601, 10385), (607, 10403), (608, 10406), (617, 10433), (621, 10442), (662, 10559), (677, 10589), (685, 10619), (696, 10634), (706, 10643), (751, 10703),

Gene: Paito_3 Start: 1925, Stop: 3439, Start Num: 59

Candidate Starts for Paito_3:

(Start: 59 @1925 has 72 MA's), (117, 1988), (118, 1991), (184, 2132), (238, 2279), (239, 2282), (286, 2372), (301, 2411), (356, 2486), (360, 2492), (414, 2534), (450, 2630), (461, 2669), (474, 2711), (489, 2756), (499, 2780), (506, 2789), (534, 2846), (546, 2888), (553, 2906), (554, 2909), (601, 3065), (641, 3191), (656, 3230), (662, 3242), (679, 3278),

Gene: Palestino_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Palestino_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Panamaxus_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Panamaxus_13:

(Start: 74 @8738 has 530 MA's), (117, 8777), (174, 8903), (204, 8987), (233, 9050), (242, 9083), (246, 9101), (265, 9140), (281, 9167), (301, 9218), (414, 9344), (418, 9356), (424, 9371), (425, 9374), (452, 9446), (459, 9473), (461, 9479), (467, 9500), (468, 9506), (477, 9530), (496, 9572), (544, 9677), (584, 9803), (585, 9806), (601, 9857), (603, 9863), (608, 9878), (617, 9908), (662, 10034), (677, 10064), (687, 10094),

Gene: Paola_7 Start: 2766, Stop: 4301, Start Num: 50

Candidate Starts for Paola_7:

(Start: 50 @2766 has 160 MA's), (109, 2838), (131, 2874), (135, 2883), (149, 2928), (186, 3012), (189, 3024), (197, 3054), (207, 3072), (231, 3123), (241, 3159), (248, 3186), (286, 3237), (287, 3240), (288, 3246), (294, 3261), (297, 3264), (333, 3336), (351, 3357), (370, 3387), (396, 3432), (421, 3486), (441, 3531), (452, 3564), (457, 3585), (462, 3600), (463, 3603), (464, 3606), (517, 3669), (525, 3687), (526, 3693), (546, 3765), (550, 3777), (552, 3780), (557, 3795), (575, 3840), (576, 3855), (583, 3876), (600, 3930), (601, 3933), (607, 3951), (612, 3966), (637, 4032), (640, 4047), (650, 4068), (664, 4104), (681, 4140), (735, 4227),

Gene: Paolo_9 Start: 4480, Stop: 5949, Start Num: 108

Candidate Starts for Paolo_9:

(Start: 108 @4480 has 156 MA's), (Start: 166 @4597 has 2 MA's), (187, 4657), (197, 4696), (231, 4789), (237, 4810), (248, 4846), (346, 5002), (364, 5029), (423, 5107), (449, 5167), (461, 5209), (470, 5242), (477, 5260), (483, 5278), (486, 5287), (513, 5368), (535, 5425), (547, 5476), (549, 5482), (607, 5662), (631, 5719), (661, 5809), (664, 5818), (747, 5935),

Gene: Papez_14 Start: 10127, Stop: 11569, Start Num: 112

Candidate Starts for Papez_14:

(64, 10061), (Start: 112 @10127 has 204 MA's), (195, 10325), (288, 10538), (421, 10733), (425, 10745), (459, 10844), (484, 10916), (547, 11039), (561, 11078), (584, 11156), (586, 11162), (601, 11210), (605, 11222), (608, 11231), (621, 11264), (639, 11321), (677, 11411), (687, 11444), (696, 11456),

Gene: Paphu_11 Start: 8121, Stop: 9563, Start Num: 112

Candidate Starts for Paphu_11:

(64, 8055), (Start: 112 @8121 has 204 MA's), (195, 8319), (288, 8532), (421, 8727), (425, 8739), (459, 8838), (547, 9033), (561, 9072), (584, 9150), (586, 9156), (601, 9204), (605, 9216), (608, 9225), (639, 9315), (677, 9405), (687, 9438), (696, 9450),

Gene: Paraselene_11 Start: 8433, Stop: 9875, Start Num: 112

Candidate Starts for Paraselene_11:

(64, 8367), (Start: 112 @8433 has 204 MA's), (195, 8631), (288, 8844), (421, 9039), (425, 9051), (459, 9150), (547, 9345), (561, 9384), (584, 9462), (586, 9468), (601, 9516), (605, 9528), (608, 9537), (639, 9627), (677, 9717), (687, 9750), (696, 9762),

Gene: Pari_13 Start: 8900, Stop: 10342, Start Num: 112

Candidate Starts for Pari_13:

(64, 8834), (Start: 112 @8900 has 204 MA's), (195, 9098), (288, 9311), (421, 9506), (425, 9518), (459, 9617), (547, 9812), (561, 9851), (584, 9929), (586, 9935), (601, 9983), (605, 9995), (608, 10004), (621, 10037), (639, 10094), (677, 10184), (687, 10217), (696, 10229),

Gene: Parliament_11 Start: 8503, Stop: 9945, Start Num: 112

Candidate Starts for Parliament_11:

(64, 8437), (Start: 112 @8503 has 204 MA's), (195, 8701), (288, 8914), (421, 9109), (425, 9121), (459, 9220), (547, 9415), (561, 9454), (584, 9532), (586, 9538), (601, 9586), (605, 9598), (608, 9607), (639, 9697), (677, 9787), (687, 9820), (696, 9832),

Gene: Partridge_9 Start: 4894, Stop: 6324, Start Num: 74

Candidate Starts for Partridge_9:

(Start: 74 @4894 has 530 MA's), (185, 5071), (190, 5092), (197, 5119), (204, 5134), (233, 5197), (271, 5296), (281, 5311), (363, 5440), (424, 5512), (455, 5599), (457, 5608), (459, 5614), (474, 5662), (511, 5731), (516, 5740), (544, 5806), (547, 5815), (593, 5959), (607, 6004), (608, 6007), (640, 6100), (662, 6157), (677, 6187), (685, 6214), (696, 6226), (702, 6232),

Gene: PascalRango_11 Start: 8299, Stop: 9741, Start Num: 112

Candidate Starts for PascalRango_11:

(64, 8233), (Start: 112 @8299 has 204 MA's), (195, 8497), (288, 8710), (421, 8905), (422, 8908), (459, 9016), (484, 9088), (547, 9211), (561, 9250), (584, 9328), (586, 9334), (601, 9382), (605, 9394), (608, 9403), (639, 9493), (677, 9583), (687, 9616), (696, 9628),

Gene: Patt_10 Start: 3854, Stop: 5440, Start Num: 50

Candidate Starts for Patt_10:

(Start: 49 @3839 has 25 MA's), (Start: 50 @3854 has 160 MA's), (60, 3878), (109, 3944), (135, 3989), (Start: 166 @4061 has 2 MA's), (186, 4118), (187, 4121), (189, 4130), (197, 4160), (231, 4229), (237, 4250), (241, 4265), (246, 4286), (248, 4292), (271, 4316), (288, 4352), (294, 4367), (315, 4406), (399, 4541), (404, 4550), (414, 4568), (424, 4595), (425, 4598), (441, 4631), (452, 4664), (457, 4685), (464, 4706), (517, 4769), (526, 4793), (535, 4817), (546, 4865), (550, 4877), (555, 4889), (557, 4895), (571, 4934), (605, 5048), (607, 5054), (650, 5225), (661, 5252), (664, 5261), (693, 5324), (704, 5336),

Gene: PattyP_14 Start: 8957, Stop: 10399, Start Num: 112

Candidate Starts for PattyP_14:

(64, 8891), (Start: 112 @8957 has 204 MA's), (195, 9155), (288, 9368), (421, 9563), (422, 9566), (459, 9674), (484, 9746), (547, 9869), (561, 9908), (584, 9986), (586, 9992), (601, 10040), (605, 10052), (608, 10061), (639, 10151), (677, 10241), (687, 10274), (696, 10286),

Gene: Pavo_8 Start: 4175, Stop: 5608, Start Num: 108

Candidate Starts for Pavo_8:

(Start: 108 @4175 has 156 MA's), (Start: 166 @4292 has 2 MA's), (184, 4340), (187, 4352), (283, 4595), (325, 4682), (382, 4742), (398, 4760), (401, 4766), (449, 4865), (470, 4940), (477, 4958), (503, 4997), (520, 5033), (549, 5135), (601, 5297), (607, 5315), (631, 5372), (661, 5462), (680, 5504), (726, 5570), (747, 5594),

Gene: Pawn_14 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Pawn_14:

(Start: 74 @8726 has 530 MA's), (Start: 114 @8756 has 8 MA's), (129, 8783), (174, 8888), (223, 9002), (242, 9068), (265, 9125), (301, 9203), (303, 9206), (421, 9347), (459, 9458), (461, 9464), (467, 9485), (544, 9650), (584, 9776), (601, 9830), (603, 9836), (608, 9851), (621, 9887), (649, 9974), (662, 10004), (677, 10034), (696, 10079), (706, 10088),

Gene: Payneful_12 Start: 8246, Stop: 9688, Start Num: 112

Candidate Starts for Payneful_12:

(64, 8180), (Start: 112 @8246 has 204 MA's), (195, 8444), (288, 8657), (291, 8669), (301, 8693), (421, 8852), (425, 8864), (459, 8963), (547, 9158), (561, 9197), (584, 9275), (586, 9281), (601, 9329), (605, 9341), (608, 9350), (639, 9440), (677, 9530), (687, 9563), (696, 9575),

Gene: PeaceMeal1_11 Start: 6471, Stop: 7931, Start Num: 74

Candidate Starts for PeaceMeal1_11:

(Start: 74 @6471 has 530 MA's), (Start: 114 @6498 has 8 MA's), (146, 6564), (170, 6618), (174, 6630), (179, 6639), (233, 6777), (242, 6810), (246, 6828), (264, 6867), (266, 6870), (301, 6948), (418, 7086), (425, 7104), (459, 7203), (461, 7209), (467, 7230), (468, 7236), (477, 7260), (496, 7311), (544, 7416), (584, 7542), (585, 7545), (601, 7596), (603, 7602), (608, 7617), (617, 7647), (621, 7656), (647, 7737), (662, 7773), (677, 7803), (702, 7854), (705, 7857),

Gene: Peaches_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Peaches_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (458, 9307), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Peanam_9 Start: 3102, Stop: 4652, Start Num: 50

Candidate Starts for Peanam_9:

(31, 2997), (Start: 49 @3087 has 25 MA's), (Start: 50 @3102 has 160 MA's), (131, 3204), (Start: 166 @3285 has 2 MA's), (174, 3309), (188, 3351), (231, 3453), (237, 3474), (241, 3489), (288, 3579), (294, 3594), (333, 3669), (366, 3714), (385, 3744), (395, 3759), (396, 3765), (404, 3783), (421, 3819), (425, 3831), (441, 3864), (452, 3897), (457, 3918), (462, 3933), (464, 3939), (473, 3969), (517, 4002), (525, 4020), (546, 4098), (550, 4110), (552, 4113), (556, 4125), (557, 4128), (573, 4164), (600, 4260), (601, 4263), (607, 4281), (628, 4323), (639, 4374), (650, 4398), (660, 4422), (661, 4425), (664, 4434), (690, 4494), (720, 4530), (735, 4557),

Gene: Peas_3 Start: 2383, Stop: 3747, Start Num: 100

Candidate Starts for Peas_3:

(Start: 100 @2383 has 21 MA's), (182, 2551), (187, 2569), (196, 2605), (248, 2743), (260, 2779), (308, 2890), (316, 2905), (324, 2920), (363, 2965), (381, 2986), (418, 3019), (463, 3139), (539, 3298), (552, 3331), (571, 3385), (601, 3487), (640, 3589), (641, 3595), (718, 3739),

Gene: Peeb_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Peeb_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (32, 1750), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (641, 3154), (662, 3205),

Gene: Peel_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Peel_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: PegLeg_15 Start: 6259, Stop: 7881, Start Num: 55

Candidate Starts for PegLeg_15:

(Start: 55 @6259 has 21 MA's), (Start: 62 @6274 has 13 MA's), (135, 6382), (142, 6400), (165, 6448), (175, 6481), (181, 6493), (188, 6517), (195, 6544), (197, 6550), (231, 6622), (233, 6628), (241, 6658), (267, 6739), (271, 6745), (273, 6748), (283, 6766), (411, 6922), (421, 6940), (425, 6952), (447, 7000), (463, 7057), (464, 7060), (495, 7129), (533, 7183), (541, 7219), (558, 7270), (560, 7273), (571, 7303), (575, 7312), (593, 7378), (595, 7381), (600, 7402), (601, 7405), (623, 7456), (650, 7543), (709, 7654), (727, 7684), (747, 7720), (751, 7726), (757, 7741), (762, 7753), (777, 7837),

Gene: PeggyLeg03_3 Start: 2384, Stop: 3745, Start Num: 100

Candidate Starts for PeggyLeg03_3:

(Start: 100 @2384 has 21 MA's), (156, 2501), (182, 2552), (187, 2570), (196, 2606), (223, 2654), (260, 2780), (293, 2861), (308, 2891), (363, 2966), (425, 3035), (458, 3125), (463, 3140), (552, 3332), (571, 3386), (609, 3506), (641, 3596), (689, 3710),

Gene: Pelly_13 Start: 9132, Stop: 10574, Start Num: 112

Candidate Starts for Pelly_13:

(64, 9066), (Start: 112 @9132 has 204 MA's), (195, 9330), (288, 9543), (365, 9672), (421, 9738), (425, 9750), (459, 9849), (484, 9921), (547, 10044), (561, 10083), (584, 10161), (586, 10167), (601, 10215), (605, 10227), (608, 10236), (639, 10326), (677, 10416), (687, 10449), (696, 10461),

Gene: Pembroke_14 Start: 8655, Stop: 10109, Start Num: 74

Candidate Starts for Pembroke_14:

(Start: 74 @8655 has 530 MA's), (Start: 114 @8685 has 8 MA's), (129, 8712), (174, 8817), (223, 8931), (242, 8997), (265, 9054), (301, 9132), (303, 9135), (421, 9276), (459, 9387), (461, 9393), (467, 9414), (544, 9579), (584, 9705), (601, 9759), (603, 9765), (608, 9780), (621, 9816), (649, 9903), (662, 9933), (677, 9963), (696, 10008), (706, 10017),

Gene: Penny1_14 Start: 8654, Stop: 10108, Start Num: 74

Candidate Starts for Penny1_14:

(Start: 74 @8654 has 530 MA's), (Start: 114 @8684 has 8 MA's), (129, 8711), (174, 8816), (223, 8930), (242, 8996), (265, 9053), (301, 9131), (303, 9134), (421, 9275), (459, 9386), (461, 9392), (467, 9413), (544, 9578), (584, 9704), (601, 9758), (603, 9764), (608, 9779), (621, 9815), (649, 9902), (662, 9932), (677, 9962), (696, 10007), (706, 10016),

Gene: Pepe_13 Start: 9155, Stop: 10597, Start Num: 112

Candidate Starts for Pepe_13:

(64, 9089), (Start: 112 @9155 has 204 MA's), (195, 9353), (288, 9566), (421, 9761), (425, 9773), (459, 9872), (547, 10067), (561, 10106), (584, 10184), (586, 10190), (601, 10238), (605, 10250), (608,

10259), (621, 10292), (639, 10349), (677, 10439), (687, 10472), (696, 10484),

Gene: Percival_3 Start: 2531, Stop: 3802, Start Num: 166

Candidate Starts for Percival_3:

(Start: 166 @2531 has 2 MA's), (197, 2630), (287, 2816), (457, 3089), (481, 3164), (524, 3224), (552, 3320), (565, 3362), (566, 3365), (579, 3407), (638, 3572), (641, 3590), (647, 3599), (749, 3779),

Gene: Periodt_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Periodt_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Periwinkle_4 Start: 2191, Stop: 3627, Start Num: 73

Candidate Starts for Periwinkle_4:

(Start: 73 @2191 has 29 MA's), (123, 2245), (142, 2281), (146, 2293), (163, 2332), (165, 2335), (192, 2410), (227, 2482), (235, 2512), (241, 2536), (246, 2557), (281, 2605), (312, 2674), (344, 2716), (418, 2794), (427, 2815), (429, 2818), (450, 2878), (458, 2908), (459, 2911), (465, 2929), (466, 2935), (475, 2962), (481, 2980), (492, 3013), (528, 3079), (534, 3094), (551, 3148), (561, 3178), (571, 3208), (583, 3256), (597, 3301), (607, 3331), (637, 3424), (640, 3439), (665, 3502), (694, 3562), (720, 3589), (723, 3592),

Gene: Perplexer_12 Start: 8581, Stop: 10032, Start Num: 74

Candidate Starts for Perplexer_12:

(Start: 74 @8581 has 530 MA's), (170, 8731), (174, 8743), (233, 8890), (239, 8911), (246, 8941), (265, 8980), (276, 8998), (281, 9007), (301, 9058), (414, 9187), (421, 9205), (440, 9250), (459, 9316), (461, 9322), (467, 9343), (468, 9349), (496, 9418), (528, 9478), (544, 9523), (584, 9649), (585, 9652), (601, 9703), (603, 9709), (607, 9721), (608, 9724), (617, 9751), (649, 9847), (662, 9877), (667, 9889), (677, 9907), (685, 9937),

Gene: Perseus_13 Start: 8816, Stop: 10258, Start Num: 112

Candidate Starts for Perseus_13:

(64, 8750), (Start: 112 @8816 has 204 MA's), (195, 9014), (288, 9227), (421, 9422), (425, 9434), (459, 9533), (484, 9605), (547, 9728), (561, 9767), (584, 9845), (586, 9851), (601, 9899), (605, 9911), (608, 9920), (639, 10010), (677, 10100), (687, 10133), (696, 10145),

Gene: Persistence_3 Start: 2346, Stop: 3683, Start Num: 111

Candidate Starts for Persistence_3:

(Start: 84 @2319 has 64 MA's), (Start: 96 @2334 has 3 MA's), (Start: 111 @2346 has 22 MA's), (136, 2388), (165, 2457), (170, 2469), (227, 2610), (277, 2727), (288, 2751), (301, 2784), (429, 2952), (457, 3036), (461, 3048), (462, 3051), (468, 3075), (485, 3117), (547, 3243), (587, 3369), (600, 3411), (629, 3477), (639, 3525), (677, 3609), (678, 3612), (681, 3618), (716, 3669),

Gene: PeterPeter_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for PeterPeter_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Petersenfast_12 Start: 9787, Stop: 11244, Start Num: 74

Candidate Starts for Petersenfast_12:

(Start: 74 @9787 has 530 MA's), (120, 9832), (129, 9847), (174, 9952), (288, 10234), (301, 10267), (425, 10423), (452, 10495), (459, 10522), (461, 10528), (467, 10549), (486, 10600), (592, 10864), (601, 10894), (608, 10915), (612, 10930), (617, 10942), (621, 10951), (649, 11038), (662, 11068), (677, 11098), (685, 11128), (736, 11194),

Gene: Peterson_15 Start: 10115, Stop: 11557, Start Num: 112

Candidate Starts for Peterson_15:

(64, 10049), (Start: 112 @10115 has 204 MA's), (195, 10313), (288, 10526), (421, 10721), (425, 10733), (459, 10832), (547, 11027), (561, 11066), (584, 11144), (586, 11150), (600, 11195), (601, 11198), (605, 11210), (608, 11219), (621, 11252), (639, 11309), (677, 11399), (687, 11432),

Gene: PetiteSangsue_12 Start: 8587, Stop: 10038, Start Num: 74

Candidate Starts for PetiteSangsue_12:

(Start: 74 @8587 has 530 MA's), (170, 8737), (174, 8749), (233, 8896), (239, 8917), (246, 8947), (265, 8986), (276, 9004), (281, 9013), (301, 9064), (414, 9193), (421, 9211), (440, 9256), (459, 9322), (461, 9328), (467, 9349), (468, 9355), (496, 9424), (528, 9484), (544, 9529), (584, 9655), (585, 9658), (601, 9709), (603, 9715), (607, 9727), (608, 9730), (617, 9757), (649, 9853), (662, 9883), (667, 9895), (677, 9913), (685, 9943),

Gene: Petp2012_14 Start: 9631, Stop: 11073, Start Num: 112

Candidate Starts for Petp2012_14:

(64, 9565), (Start: 112 @9631 has 204 MA's), (195, 9829), (288, 10042), (421, 10237), (422, 10240), (459, 10348), (484, 10420), (547, 10543), (561, 10582), (584, 10660), (586, 10666), (601, 10714), (605, 10726), (608, 10735), (639, 10825), (677, 10915), (687, 10948), (696, 10960),

Gene: Petruccio_12 Start: 8374, Stop: 9816, Start Num: 112

Candidate Starts for Petruccio_12:

(64, 8308), (Start: 112 @8374 has 204 MA's), (195, 8572), (288, 8785), (421, 8980), (425, 8992), (459, 9091), (547, 9286), (561, 9325), (584, 9403), (586, 9409), (601, 9457), (605, 9469), (608, 9478), (639, 9568), (677, 9658), (687, 9691), (696, 9703),

Gene: PetterN_11 Start: 7735, Stop: 9168, Start Num: 75

Candidate Starts for PetterN_11:

(Start: 75 @7735 has 72 MA's), (167, 7864), (185, 7903), (188, 7918), (252, 8092), (265, 8119), (288, 8164), (301, 8197), (315, 8218), (363, 8278), (424, 8350), (425, 8353), (452, 8425), (461, 8458), (467, 8479), (477, 8509), (584, 8770), (601, 8824), (607, 8842), (621, 8881), (662, 8998), (677, 9028), (685, 9058), (696, 9073), (706, 9082),

Gene: Ph8s_14 Start: 8043, Stop: 9500, Start Num: 74

Candidate Starts for Ph8s_14:

(Start: 74 @8043 has 530 MA's), (129, 8103), (174, 8208), (288, 8490), (425, 8679), (452, 8751), (459, 8778), (461, 8784), (467, 8805), (468, 8811), (561, 9018), (601, 9150), (607, 9168), (608, 9171), (617, 9198), (621, 9207), (649, 9294), (662, 9324), (677, 9354), (685, 9384), (706, 9408), (721, 9429),

Gene: Phabuloso_4 Start: 2189, Stop: 3625, Start Num: 73

Candidate Starts for Phabuloso_4:

(Start: 73 @2189 has 29 MA's), (146, 2291), (168, 2342), (190, 2399), (192, 2408), (227, 2480), (241, 2534), (252, 2567), (281, 2603), (308, 2666), (410, 2774), (422, 2801), (427, 2813), (429, 2816), (450, 2876), (452, 2882), (465, 2927), (466, 2933), (475, 2960), (481, 2978), (492, 3011), (518, 3062), (534, 3092), (551, 3146), (561, 3176), (571, 3206), (607, 3329), (637, 3422), (640, 3437), (656, 3479), (665, 3500), (679, 3527), (694, 3560), (720, 3587),

Gene: Phacado_12 Start: 8577, Stop: 10028, Start Num: 74

Candidate Starts for Phacado_12:

(Start: 74 @8577 has 530 MA's), (170, 8724), (174, 8736), (239, 8904), (246, 8934), (265, 8973), (276, 8991), (301, 9051), (414, 9180), (421, 9198), (425, 9210), (459, 9309), (461, 9315), (467, 9336), (468, 9342), (496, 9411), (528, 9471), (544, 9516), (584, 9642), (585, 9645), (601, 9696), (608, 9717), (617, 9747), (647, 9837), (662, 9873), (677, 9903), (685, 9933),

Gene: Phaded_16 Start: 11324, Stop: 12778, Start Num: 74

Candidate Starts for Phaded_16:

(Start: 74 @11324 has 530 MA's), (129, 11384), (174, 11489), (223, 11603), (252, 11699), (288, 11771), (452, 12032), (459, 12059), (461, 12065), (467, 12086), (486, 12137), (601, 12431), (607, 12449), (617, 12479), (621, 12488), (640, 12548), (649, 12575), (662, 12605), (677, 12635), (685, 12665), (706, 12689),

Gene: Phaeder_14 Start: 9893, Stop: 11380, Start Num: 74

Candidate Starts for Phaeder_14:

(Start: 74 @9893 has 530 MA's), (129, 9956), (174, 10061), (252, 10271), (271, 10310), (288, 10343), (301, 10376), (421, 10520), (435, 10556), (440, 10565), (452, 10604), (459, 10631), (461, 10637), (467, 10658), (477, 10688), (486, 10709), (501, 10733), (511, 10748), (601, 11003), (607, 11021), (617, 11051), (619, 11054), (621, 11060), (659, 11171), (662, 11177), (677, 11207), (696, 11252), (706, 11261),

Gene: PhailMary_8 Start: 4901, Stop: 6331, Start Num: 74

Candidate Starts for PhailMary_8:

(Start: 74 @4901 has 530 MA's), (185, 5078), (190, 5099), (197, 5126), (204, 5141), (233, 5204), (281, 5318), (363, 5447), (424, 5519), (455, 5606), (457, 5615), (459, 5621), (474, 5669), (511, 5738), (516, 5747), (544, 5813), (547, 5822), (593, 5966), (607, 6011), (608, 6014), (640, 6107), (662, 6164), (677, 6194), (685, 6221), (696, 6233), (702, 6239),

Gene: Phantastic_12 Start: 8155, Stop: 9621, Start Num: 75

Candidate Starts for Phantastic_12:

(Start: 75 @8155 has 72 MA's), (174, 8326), (204, 8410), (233, 8473), (242, 8506), (246, 8524), (265, 8563), (281, 8590), (300, 8638), (418, 8779), (422, 8788), (452, 8869), (458, 8893), (459, 8896), (461, 8902), (467, 8923), (468, 8929), (544, 9100), (584, 9226), (585, 9229), (601, 9280), (603, 9286), (608, 9301), (617, 9331), (662, 9457), (677, 9487), (687, 9517),

Gene: Pharaoh_13 Start: 9690, Stop: 11159, Start Num: 74

Candidate Starts for Pharaoh_13:

(22, 9345), (Start: 74 @9690 has 530 MA's), (129, 9750), (141, 9774), (174, 9855), (223, 9969), (252, 10065), (288, 10137), (301, 10170), (419, 10311), (452, 10398), (459, 10425), (461, 10431), (467, 10452), (486, 10503), (601, 10797), (607, 10815), (617, 10845), (621, 10854), (640, 10914), (662, 10971), (677, 11001), (680, 11010), (685, 11031), (706, 11055), (755, 11133),

Gene: Pharb_8 Start: 2724, Stop: 4280, Start Num: 50

Candidate Starts for Pharb_8:

(28, 2592), (Start: 49 @2709 has 25 MA's), (Start: 50 @2724 has 160 MA's), (57, 2733), (71, 2754), (128, 2817), (131, 2826), (174, 2931), (186, 2964), (189, 2976), (231, 3075), (237, 3096), (241, 3111), (248, 3138), (286, 3189), (288, 3198), (294, 3213), (333, 3288), (351, 3309), (373, 3342), (404, 3402), (425, 3450), (441, 3483), (452, 3516), (462, 3552), (517, 3621), (525, 3639), (541, 3699), (546, 3717), (550, 3729), (552, 3732), (557, 3747), (565, 3774), (583, 3828), (585, 3834), (600, 3882), (607, 3903), (650, 4023), (660, 4047), (661, 4050), (664, 4059), (681, 4095),

Gene: Phelipe_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Phelipe_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: PhelpsODU_8 Start: 2988, Stop: 4538, Start Num: 50

Candidate Starts for PhelpsODU_8:

(28, 2856), (31, 2883), (Start: 49 @2973 has 25 MA's), (Start: 50 @2988 has 160 MA's), (131, 3096), (Start: 166 @3177 has 2 MA's), (174, 3201), (188, 3243), (197, 3276), (231, 3345), (237, 3366), (241, 3381), (248, 3408), (294, 3486), (351, 3582), (379, 3627), (404, 3675), (425, 3723), (441, 3756), (452, 3789), (457, 3810), (464, 3831), (473, 3861), (517, 3894), (525, 3912), (550, 4002), (552, 4005), (557, 4020), (573, 4056), (575, 4062), (585, 4104), (601, 4155), (607, 4173), (637, 4254), (639, 4266), (640, 4269), (660, 4314), (661, 4317), (664, 4326),

Gene: PherrisBueller_13 Start: 8584, Stop: 10026, Start Num: 112

Candidate Starts for PherrisBueller_13:

(64, 8518), (Start: 112 @8584 has 204 MA's), (195, 8782), (288, 8995), (421, 9190), (425, 9202), (459, 9301), (547, 9496), (561, 9535), (584, 9613), (586, 9619), (601, 9667), (605, 9679), (608, 9688), (639, 9778), (677, 9868), (687, 9901), (696, 9913),

Gene: Phettuccine_7 Start: 4081, Stop: 5523, Start Num: 108

Candidate Starts for Phettuccine_7:

(Start: 96 @4072 has 3 MA's), (Start: 99 @4075 has 4 MA's), (Start: 108 @4081 has 156 MA's), (Start: 166 @4198 has 2 MA's), (184, 4246), (312, 4564), (346, 4606), (364, 4633), (398, 4666), (446, 4759), (449, 4771), (477, 4864), (520, 4942), (535, 4987), (549, 5044), (558, 5068), (631, 5281), (747, 5509),

Gene: Phighter1804_12 Start: 8554, Stop: 10005, Start Num: 74

Candidate Starts for Phighter1804_12:

(Start: 74 @8554 has 530 MA's), (174, 8713), (239, 8881), (246, 8911), (265, 8950), (276, 8968), (301, 9028), (414, 9157), (421, 9175), (459, 9286), (461, 9292), (467, 9313), (468, 9319), (496, 9388), (528, 9448), (544, 9493), (584, 9619), (585, 9622), (601, 9673), (603, 9679), (608, 9694), (617, 9724), (647, 9814), (662, 9850), (677, 9880), (685, 9910),

Gene: Phillis_10 Start: 7418, Stop: 8848, Start Num: 75

Candidate Starts for Phillis_10:

(Start: 75 @7418 has 72 MA's), (173, 7568), (233, 7715), (288, 7850), (363, 7961), (421, 8024), (440, 8069), (459, 8135), (467, 8162), (544, 8327), (576, 8429), (601, 8507), (603, 8513), (621, 8564), (662, 8681), (677, 8711), (706, 8765), (752, 8825),

Gene: PhineBark_12 Start: 9471, Stop: 10913, Start Num: 112

Candidate Starts for PhineBark_12:

(64, 9405), (Start: 112 @9471 has 204 MA's), (195, 9669), (288, 9882), (421, 10077), (425, 10089), (459, 10188), (547, 10383), (561, 10422), (584, 10500), (586, 10506), (601, 10554), (605, 10566), (608, 10575), (621, 10608), (639, 10665), (677, 10755), (687, 10788), (696, 10800),

Gene: Phish_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Phish_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: PhishRPhriends_13 Start: 7917, Stop: 9371, Start Num: 74

Candidate Starts for PhishRPhriends_13:

(Start: 74 @7917 has 530 MA's), (Start: 114 @7947 has 8 MA's), (129, 7974), (174, 8079), (223, 8193), (242, 8259), (265, 8316), (301, 8394), (303, 8397), (421, 8538), (459, 8649), (461, 8655), (467, 8676), (544, 8841), (584, 8967), (601, 9021), (603, 9027), (608, 9042), (621, 9078), (649, 9165), (662, 9195), (677, 9225), (696, 9270), (706, 9279),

Gene: Phishy_6 Start: 3023, Stop: 4489, Start Num: 111

Candidate Starts for Phishy_6:

(Start: 111 @3023 has 22 MA's), (132, 3056), (170, 3146), (190, 3206), (193, 3218), (195, 3227), (229, 3290), (240, 3335), (241, 3338), (242, 3341), (245, 3356), (246, 3359), (248, 3365), (268, 3398), (284, 3422), (299, 3470), (321, 3515), (330, 3533), (341, 3545), (349, 3554), (353, 3560), (368, 3584), (409, 3632), (441, 3704), (452, 3737), (465, 3782), (480, 3830), (509, 3911), (524, 3944), (528, 3959), (536, 3983), (546, 4025), (561, 4067), (571, 4094), (576, 4118), (597, 4184), (600, 4193), (624, 4244), (639, 4295), (660, 4343), (672, 4370), (678, 4382), (703, 4427), (735, 4472),

Gene: Phistory_4 Start: 2190, Stop: 3626, Start Num: 73

Candidate Starts for Phistory_4:

(Start: 73 @2190 has 29 MA's), (142, 2280), (163, 2331), (165, 2334), (192, 2409), (201, 2439), (227, 2481), (235, 2511), (241, 2535), (252, 2568), (450, 2877), (452, 2883), (458, 2907), (465, 2928), (466, 2934), (475, 2961), (481, 2979), (492, 3012), (534, 3093), (551, 3147), (561, 3177), (571, 3207), (607, 3330), (637, 3423), (640, 3438), (665, 3501), (694, 3561),

Gene: Phives_4 Start: 3338, Stop: 4720, Start Num: 104

Candidate Starts for Phives_4:

(Start: 104 @3338 has 48 MA's), (Start: 166 @3458 has 2 MA's), (197, 3557), (318, 3821), (478, 4094), (555, 4253), (573, 4301), (579, 4331), (587, 4355), (647, 4529), (710, 4649),

Gene: Phlei_9 Start: 9660, Stop: 11111, Start Num: 74

Candidate Starts for Phlei_9:

(Start: 74 @9660 has 530 MA's), (174, 9825), (288, 10107), (421, 10287), (425, 10299), (429, 10305), (452, 10371), (459, 10398), (461, 10404), (466, 10422), (467, 10425), (468, 10431), (486, 10476), (539, 10578), (601, 10770), (607, 10788), (608, 10791), (617, 10818), (621, 10827), (641, 10893), (662, 10944), (677, 10974), (685, 11004), (696, 11019), (709, 11031),

Gene: Phlippers_11 Start: 9656, Stop: 11098, Start Num: 112

Candidate Starts for Phlippers_11:

(64, 9590), (Start: 112 @9656 has 204 MA's), (195, 9854), (288, 10067), (421, 10262), (425, 10274), (459, 10373), (547, 10568), (561, 10607), (584, 10685), (586, 10691), (601, 10739), (605, 10751), (608, 10760), (639, 10850), (677, 10940), (687, 10973), (696, 10985),

Gene: Phlorence_10 Start: 8047, Stop: 9480, Start Num: 75

Candidate Starts for Phlorence_10:

(Start: 75 @8047 has 72 MA's), (185, 8215), (188, 8230), (190, 8236), (252, 8404), (265, 8431), (301, 8509), (363, 8590), (424, 8662), (425, 8665), (452, 8737), (461, 8770), (467, 8791), (477, 8821), (501, 8866), (584, 9082), (601, 9136), (607, 9154), (621, 9193), (662, 9310), (677, 9340), (685, 9370), (706, 9394),

Gene: Phoebe_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for Phoebe_14:

(Start: 74 @8652 has 530 MA's), (Start: 114 @8682 has 8 MA's), (129, 8709), (174, 8814), (223, 8928), (242, 8994), (265, 9051), (301, 9129), (303, 9132), (421, 9273), (459, 9384), (461, 9390), (467, 9411),

(544, 9576), (584, 9702), (601, 9756), (603, 9762), (608, 9777), (621, 9813), (649, 9900), (662, 9930), (677, 9960), (696, 10005), (706, 10014),

Gene: Phonnegut_14 Start: 9926, Stop: 11413, Start Num: 74

Candidate Starts for Phonnegut_14:

(Start: 74 @9926 has 530 MA's), (129, 9989), (174, 10094), (197, 10163), (252, 10304), (271, 10343), (288, 10376), (301, 10409), (421, 10553), (452, 10637), (459, 10664), (461, 10670), (467, 10691), (477, 10721), (501, 10766), (511, 10781), (601, 11036), (607, 11054), (617, 11084), (619, 11087), (621, 11093), (659, 11204), (662, 11210), (677, 11240), (696, 11285), (706, 11294),

Gene: Phontbonne_12 Start: 8522, Stop: 9976, Start Num: 74

Candidate Starts for Phontbonne_12:

(Start: 74 @8522 has 530 MA's), (170, 8672), (174, 8684), (239, 8852), (246, 8882), (265, 8921), (276, 8939), (301, 8999), (414, 9128), (421, 9146), (459, 9257), (461, 9263), (467, 9284), (468, 9290), (496, 9359), (528, 9419), (544, 9464), (584, 9590), (585, 9593), (601, 9644), (608, 9665), (617, 9695), (647, 9785), (662, 9821), (677, 9851), (685, 9881),

Gene: PhorbesPhlower_3 Start: 1754, Stop: 3208, Start Num: 80

Candidate Starts for PhorbesPhlower_3:

(Start: 80 @1754 has 8 MA's), (105, 1781), (135, 1823), (156, 1883), (170, 1907), (184, 1937), (219, 2027), (227, 2042), (239, 2087), (244, 2108), (247, 2120), (281, 2165), (312, 2234), (344, 2276), (369, 2306), (422, 2357), (450, 2432), (465, 2483), (474, 2513), (489, 2558), (499, 2582), (528, 2630), (534, 2645), (584, 2810), (601, 2864), (602, 2867), (645, 3002), (662, 3038), (724, 3143),

Gene: Phoxy_14 Start: 8738, Stop: 10192, Start Num: 74

Candidate Starts for Phoxy_14:

(Start: 74 @8738 has 530 MA's), (Start: 114 @8768 has 8 MA's), (129, 8795), (174, 8900), (223, 9014), (242, 9080), (265, 9137), (301, 9215), (303, 9218), (421, 9359), (459, 9470), (461, 9476), (467, 9497), (544, 9662), (584, 9788), (601, 9842), (603, 9848), (608, 9863), (621, 9899), (649, 9986), (662, 10016), (677, 10046), (696, 10091), (706, 10100),

Gene: Phrank_8 Start: 2954, Stop: 4504, Start Num: 50

Candidate Starts for Phrank_8:

(28, 2822), (31, 2849), (Start: 49 @2939 has 25 MA's), (Start: 50 @2954 has 160 MA's), (70, 2984), (131, 3062), (Start: 166 @3143 has 2 MA's), (174, 3167), (188, 3209), (231, 3311), (237, 3332), (241, 3347), (248, 3374), (294, 3452), (315, 3491), (351, 3548), (395, 3617), (404, 3641), (421, 3677), (425, 3689), (441, 3722), (452, 3755), (457, 3776), (464, 3797), (473, 3827), (517, 3860), (525, 3878), (550, 3968), (552, 3971), (557, 3986), (573, 4022), (575, 4028), (585, 4070), (601, 4121), (607, 4139), (639, 4232), (640, 4235), (650, 4256), (660, 4280), (661, 4283), (664, 4292),

Gene: Phrank15_3 Start: 2347, Stop: 3684, Start Num: 111

Candidate Starts for Phrank15_3:

(Start: 84 @2320 has 64 MA's), (Start: 96 @2335 has 3 MA's), (Start: 111 @2347 has 22 MA's), (136, 2389), (138, 2395), (147, 2419), (165, 2458), (170, 2470), (277, 2728), (301, 2785), (415, 2920), (418, 2929), (430, 2956), (457, 3037), (461, 3049), (462, 3052), (468, 3076), (547, 3244), (550, 3253), (565, 3298), (584, 3361), (587, 3370), (600, 3412), (604, 3424), (619, 3463), (640, 3529), (677, 3610), (681, 3619), (716, 3670),

Gene: Phrankenstein_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Phrankenstein_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607,

5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Phranny_15 Start: 8724, Stop: 10178, Start Num: 74

Candidate Starts for Phranny_15:

(Start: 74 @8724 has 530 MA's), (Start: 114 @8754 has 8 MA's), (129, 8781), (174, 8886), (223, 9000), (242, 9066), (265, 9123), (301, 9201), (303, 9204), (421, 9345), (459, 9456), (461, 9462), (467, 9483), (544, 9648), (584, 9774), (601, 9828), (603, 9834), (608, 9849), (621, 9885), (649, 9972), (662, 10002), (677, 10032), (696, 10077), (706, 10086),

Gene: Phreak_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Phreak_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: PhrostyMug_12 Start: 8730, Stop: 10172, Start Num: 112

Candidate Starts for PhrostyMug_12:

(64, 8664), (Start: 112 @8730 has 204 MA's), (195, 8928), (288, 9141), (421, 9336), (459, 9447), (547, 9642), (561, 9681), (584, 9759), (586, 9765), (601, 9813), (605, 9825), (608, 9834), (639, 9924), (677, 10014), (687, 10047), (696, 10059),

Gene: Piatt_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Piatt_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: PickleBack_10 Start: 7757, Stop: 9190, Start Num: 75

Candidate Starts for PickleBack_10:

(Start: 75 @7757 has 72 MA's), (185, 7925), (188, 7940), (190, 7946), (252, 8114), (265, 8141), (301, 8219), (363, 8300), (424, 8372), (425, 8375), (452, 8447), (461, 8480), (467, 8501), (477, 8531), (501, 8576), (584, 8792), (601, 8846), (607, 8864), (621, 8903), (662, 9020), (677, 9050), (685, 9080), (706, 9104),

Gene: PinkPlastic_11 Start: 8499, Stop: 9941, Start Num: 112

Candidate Starts for PinkPlastic_11:

(64, 8433), (Start: 112 @8499 has 204 MA's), (195, 8697), (288, 8910), (421, 9105), (459, 9216), (547, 9411), (561, 9450), (584, 9528), (586, 9534), (601, 9582), (605, 9594), (608, 9603), (639, 9693), (677, 9783), (687, 9816), (696, 9828),

Gene: PinkYoshi_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for PinkYoshi_3:

(Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Pinnie_4 Start: 2401, Stop: 3951, Start Num: 51

Candidate Starts for Pinnie_4:

(Start: 51 @2401 has 3 MA's), (90, 2452), (118, 2479), (238, 2767), (286, 2866), (301, 2905), (441, 3094), (458, 3154), (461, 3163), (471, 3199), (489, 3250), (506, 3283), (534, 3340), (546, 3382), (553, 3400), (607, 3577), (656, 3724), (688, 3799), (694, 3805), (739, 3868), (746, 3883),

Gene: Pinto_14 Start: 8806, Stop: 10248, Start Num: 112

Candidate Starts for Pinto_14:

(64, 8740), (Start: 112 @8806 has 204 MA's), (195, 9004), (288, 9217), (421, 9412), (422, 9415), (459, 9523), (484, 9595), (547, 9718), (561, 9757), (584, 9835), (586, 9841), (601, 9889), (605, 9901), (608, 9910), (639, 10000), (677, 10090), (687, 10123), (696, 10135),

Gene: Pioneer_14 Start: 9926, Stop: 11413, Start Num: 74

Candidate Starts for Pioneer_14:

(Start: 74 @9926 has 530 MA's), (129, 9989), (174, 10094), (197, 10163), (252, 10304), (271, 10343), (288, 10376), (301, 10409), (421, 10553), (452, 10637), (459, 10664), (461, 10670), (467, 10691), (477, 10721), (501, 10766), (511, 10781), (601, 11036), (607, 11054), (617, 11084), (619, 11087), (621, 11093), (659, 11204), (662, 11210), (677, 11240), (696, 11285), (706, 11294),

Gene: Pipcraft_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Pipcraft_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Piper2020_4 Start: 2202, Stop: 3623, Start Num: 108

Candidate Starts for Piper2020_4:

(Start: 108 @2202 has 156 MA's), (124, 2229), (131, 2241), (184, 2370), (188, 2388), (190, 2394), (197, 2421), (231, 2490), (241, 2526), (246, 2547), (248, 2553), (271, 2577), (273, 2580), (287, 2607), (308, 2655), (312, 2661), (323, 2688), (336, 2706), (397, 2799), (406, 2817), (421, 2850), (424, 2859), (425, 2862), (447, 2910), (449, 2919), (457, 2949), (463, 2967), (473, 3000), (526, 3057), (550, 3141), (557, 3159), (565, 3186), (571, 3198), (573, 3201), (575, 3207), (576, 3222), (587, 3255), (628, 3360), (650, 3435), (652, 3441), (655, 3450), (660, 3459), (664, 3471), (693, 3534), (728, 3582),

Gene: Pippin_14 Start: 9007, Stop: 10449, Start Num: 112

Candidate Starts for Pippin_14:

(64, 8941), (Start: 112 @9007 has 204 MA's), (195, 9205), (288, 9418), (421, 9613), (422, 9616), (459, 9724), (547, 9919), (561, 9958), (584, 10036), (586, 10042), (601, 10090), (605, 10102), (608, 10111), (639, 10201), (677, 10291), (687, 10324), (696, 10336),

Gene: Pirate_3 Start: 1881, Stop: 3206, Start Num: 106

Candidate Starts for Pirate_3:

(Start: 106 @1881 has 46 MA's), (118, 1896), (128, 1914), (139, 1935), (157, 1986), (165, 1995), (167, 2001), (174, 2019), (180, 2028), (184, 2037), (185, 2040), (190, 2061), (192, 2070), (227, 2130), (237, 2169), (239, 2175), (244, 2196), (246, 2205), (260, 2235), (261, 2238), (296, 2298), (304, 2313), (306, 2316), (335, 2355), (338, 2358), (348, 2370), (366, 2382), (415, 2427), (424, 2451), (425, 2454), (430, 2463), (456, 2541), (459, 2553), (463, 2565), (474, 2601), (477, 2610), (499, 2652), (506, 2661), (509, 2670), (534, 2703), (547, 2748), (550, 2757), (554, 2766), (576, 2841), (584, 2865), (603, 2925), (608, 2940), (628, 2985), (639, 3036), (648, 3063), (658, 3084), (659, 3087), (662, 3093), (663, 3096), (670, 3111), (678, 3126), (679, 3129), (689, 3159),

Gene: Piro94_14 Start: 9725, Stop: 11185, Start Num: 74

Candidate Starts for Piro94_14:

(Start: 74 @9725 has 530 MA's), (129, 9785), (170, 9878), (174, 9890), (288, 10172), (301, 10205), (422, 10352), (425, 10361), (452, 10433), (459, 10460), (461, 10466), (467, 10487), (565, 10715), (601, 10832), (608, 10853), (617, 10880), (621, 10889), (662, 11006), (677, 11036), (685, 11066), (706, 11090),

Gene: Pistachio_13 Start: 7740, Stop: 9206, Start Num: 75

Candidate Starts for Pistachio_13:

(Start: 75 @7740 has 72 MA's), (174, 7911), (204, 7995), (233, 8058), (242, 8091), (246, 8109), (265, 8148), (281, 8175), (300, 8223), (418, 8364), (422, 8373), (452, 8454), (458, 8478), (459, 8481), (461, 8487), (466, 8505), (467, 8508), (468, 8514), (544, 8685), (584, 8811), (585, 8814), (601, 8865), (603, 8871), (608, 8886), (617, 8916), (662, 9042), (677, 9072), (687, 9102),

Gene: Pita2_14 Start: 9164, Stop: 10606, Start Num: 112

Candidate Starts for Pita2_14:

(64, 9098), (Start: 112 @9164 has 204 MA's), (195, 9362), (288, 9575), (421, 9770), (425, 9782), (459, 9881), (484, 9953), (547, 10076), (561, 10115), (584, 10193), (586, 10199), (601, 10247), (605, 10259), (608, 10268), (639, 10358), (677, 10448), (687, 10481), (696, 10493),

Gene: Pitbull_3 Start: 1792, Stop: 3201, Start Num: 77

Candidate Starts for Pitbull_3:

(Start: 77 @1792 has 21 MA's), (157, 1927), (200, 2038), (223, 2074), (244, 2149), (312, 2281), (350, 2326), (380, 2356), (389, 2365), (430, 2419), (441, 2446), (450, 2476), (459, 2509), (465, 2527), (475, 2560), (534, 2683), (547, 2728), (554, 2746), (555, 2749), (571, 2797), (591, 2869), (596, 2884), (601, 2902), (665, 3085), (679, 3112), (698, 3145), (714, 3157),

Gene: Pixelle_3 Start: 2280, Stop: 3659, Start Num: 104

Candidate Starts for Pixelle_3:

(Start: 104 @2280 has 48 MA's), (144, 2352), (Start: 166 @2400 has 2 MA's), (197, 2499), (318, 2763), (412, 2856), (478, 3036), (555, 3192), (573, 3240), (579, 3270), (587, 3294), (647, 3468), (710, 3588),

Gene: Pixie_8 Start: 2674, Stop: 4239, Start Num: 50

Candidate Starts for Pixie_8:

(37, 2641), (Start: 50 @2674 has 160 MA's), (128, 2779), (131, 2788), (137, 2803), (174, 2893), (186, 2926), (189, 2938), (197, 2968), (231, 3037), (237, 3058), (241, 3073), (248, 3100), (286, 3151), (288, 3160), (294, 3175), (315, 3214), (333, 3250), (346, 3265), (351, 3271), (357, 3280), (366, 3295), (396, 3346), (425, 3412), (441, 3445), (444, 3451), (452, 3478), (457, 3499), (464, 3520), (517, 3583), (525, 3601), (546, 3679), (550, 3691), (552, 3694), (557, 3709), (583, 3790), (585, 3796), (600, 3844), (607, 3865), (650, 3982), (661, 4009), (664, 4018), (681, 4054),

Gene: Plagueis_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Plagueis_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Plumbus_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for Plumbus_4:

(Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (366, 2746), (421, 2848), (425, 2860), (430, 2869), (444, 2899), (447, 2908), (457, 2947), (463, 2965), (464, 2968), (473, 2998), (526, 3055), (538, 3094), (550, 3139), (557, 3157), (565, 3184),

(571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532), (728, 3580),

Gene: Pmask_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for Pmask_16:

(Start: 74 @9274 has 530 MA's), (97, 9295), (129, 9334), (167, 9421), (171, 9433), (174, 9439), (288, 9721), (434, 9934), (452, 9985), (459, 10012), (461, 10018), (467, 10039), (608, 10405), (617, 10432), (621, 10441), (640, 10501), (662, 10558), (677, 10588), (685, 10618), (709, 10645),

Gene: Pocahontas_13 Start: 8735, Stop: 10204, Start Num: 74

Candidate Starts for Pocahontas_13:

(Start: 74 @8735 has 530 MA's), (117, 8774), (174, 8900), (204, 8984), (233, 9047), (242, 9080), (246, 9098), (265, 9137), (281, 9164), (301, 9215), (414, 9341), (418, 9353), (424, 9368), (425, 9371), (452, 9443), (459, 9470), (461, 9476), (467, 9497), (468, 9503), (477, 9527), (496, 9569), (544, 9674), (584, 9800), (585, 9803), (601, 9854), (603, 9860), (608, 9875), (617, 9905), (662, 10031), (677, 10061), (687, 10091),

Gene: Poise_36 Start: 12177, Stop: 13742, Start Num: 48

Candidate Starts for Poise_36:

(Start: 48 @12177 has 17 MA's), (119, 12294), (172, 12414), (190, 12459), (192, 12468), (233, 12558), (245, 12606), (246, 12609), (277, 12651), (281, 12654), (289, 12678), (334, 12750), (337, 12753), (367, 12792), (384, 12813), (386, 12816), (424, 12861), (456, 12951), (458, 12960), (461, 12969), (474, 13011), (475, 13014), (488, 13053), (510, 13095), (512, 13101), (514, 13104), (532, 13149), (554, 13218), (584, 13317), (588, 13329), (622, 13428), (641, 13494), (651, 13515), (656, 13530), (706, 13623), (717, 13638),

Gene: Pokerus_8 Start: 2965, Stop: 4536, Start Num: 49

Candidate Starts for Pokerus_8:

(31, 2878), (Start: 49 @2965 has 25 MA's), (Start: 50 @2980 has 160 MA's), (128, 3079), (131, 3088), (160, 3160), (Start: 166 @3169 has 2 MA's), (174, 3193), (186, 3226), (188, 3235), (197, 3268), (231, 3337), (237, 3358), (248, 3400), (288, 3466), (294, 3481), (333, 3556), (351, 3577), (385, 3631), (441, 3751), (452, 3784), (457, 3805), (464, 3826), (473, 3856), (517, 3889), (525, 3907), (541, 3967), (546, 3985), (550, 3997), (552, 4000), (556, 4012), (557, 4015), (573, 4051), (585, 4099), (601, 4150), (607, 4168), (640, 4264), (650, 4285), (661, 4312), (664, 4321), (681, 4357),

Gene: Pollux_3 Start: 2281, Stop: 3735, Start Num: 77

Candidate Starts for Pollux_3:

(35, 2128), (41, 2188), (Start: 77 @2281 has 21 MA's), (183, 2467), (191, 2500), (202, 2533), (239, 2611), (241, 2620), (331, 2779), (344, 2794), (360, 2815), (422, 2884), (425, 2893), (440, 2926), (458, 2989), (461, 2998), (497, 3100), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3682),

Gene: Pollywog_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Pollywog_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Polymorphads_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Polymorphads_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Polyphemus_15 Start: 9297, Stop: 10739, Start Num: 97

Candidate Starts for Polyphemus_15:

(Start: 74 @9276 has 530 MA's), (97, 9297), (129, 9336), (167, 9423), (171, 9435), (174, 9441), (288, 9723), (434, 9936), (452, 9987), (459, 10014), (461, 10020), (467, 10041), (608, 10407), (617, 10434), (621, 10443), (640, 10503), (662, 10560), (677, 10590), (685, 10620), (709, 10647),

Gene: Pomar16_16 Start: 9200, Stop: 10657, Start Num: 74

Candidate Starts for Pomar16_16:

(Start: 74 @9200 has 530 MA's), (129, 9260), (170, 9353), (174, 9365), (288, 9647), (388, 9791), (424, 9833), (452, 9908), (459, 9935), (461, 9941), (467, 9962), (468, 9968), (601, 10307), (608, 10328), (617, 10355), (621, 10364), (649, 10451), (662, 10481), (677, 10511), (685, 10541), (706, 10565),

Gene: Pons_5 Start: 2570, Stop: 4018, Start Num: 115

Candidate Starts for Pons_5:

(Start: 115 @2570 has 54 MA's), (133, 2600), (164, 2678), (190, 2744), (191, 2750), (213, 2786), (228, 2822), (247, 2897), (288, 2966), (301, 2999), (305, 3005), (334, 3041), (424, 3152), (425, 3155), (429, 3161), (446, 3206), (454, 3236), (459, 3254), (461, 3260), (474, 3302), (499, 3371), (530, 3437), (554, 3509), (607, 3680), (621, 3713), (640, 3773), (641, 3779), (647, 3794), (662, 3827), (685, 3887), (687, 3890), (759, 4001),

Gene: Ponzi_44 Start: 24379, Stop: 25821, Start Num: 78

Candidate Starts for Ponzi_44:

(Start: 78 @24379 has 1 MA's), (141, 24475), (188, 24601), (190, 24607), (231, 24706), (270, 24823), (298, 24883), (310, 24907), (381, 24979), (438, 25036), (459, 25102), (516, 25222), (544, 25288), (549, 25303), (591, 25435), (600, 25465), (621, 25519), (646, 25600), (677, 25666), (696, 25711),

Gene: Poochiewood_5 Start: 2625, Stop: 4298, Start Num: 84

Candidate Starts for Poochiewood_5:

(Start: 84 @2625 has 64 MA's), (131, 2688), (150, 2742), (165, 2766), (189, 2835), (195, 2859), (231, 2937), (241, 2973), (286, 3066), (287, 3069), (327, 3144), (372, 3183), (421, 3246), (432, 3273), (433, 3276), (444, 3297), (450, 3318), (462, 3360), (463, 3363), (520, 3465), (526, 3480), (528, 3486), (552, 3567), (561, 3594), (562, 3600), (592, 3693), (600, 3720), (603, 3729), (628, 3783), (633, 3804), (638, 3825), (647, 3852), (650, 3861), (677, 3921), (690, 3951), (698, 3960), (762, 4068), (782, 4263),

Gene: Poompha_11 Start: 6469, Stop: 7929, Start Num: 74

Candidate Starts for Poompha_11:

(Start: 74 @6469 has 530 MA's), (Start: 114 @6496 has 8 MA's), (146, 6562), (170, 6616), (174, 6628), (179, 6637), (197, 6697), (233, 6775), (242, 6808), (246, 6826), (264, 6865), (266, 6868), (301, 6946), (418, 7084), (425, 7102), (459, 7201), (461, 7207), (467, 7228), (468, 7234), (477, 7258), (496, 7309), (544, 7414), (584, 7540), (585, 7543), (601, 7594), (603, 7600), (608, 7615), (617, 7645), (621, 7654), (647, 7735), (662, 7771), (677, 7801), (702, 7852), (705, 7855),

Gene: Popcicle_13 Start: 8735, Stop: 10204, Start Num: 74

Candidate Starts for Popcicle_13:

(Start: 74 @8735 has 530 MA's), (117, 8774), (174, 8900), (204, 8984), (233, 9047), (242, 9080), (246, 9098), (265, 9137), (281, 9164), (301, 9215), (414, 9341), (418, 9353), (424, 9368), (425, 9371), (452, 9443), (459, 9470), (461, 9476), (467, 9497), (468, 9503), (477, 9527), (496, 9569), (544, 9674), (584, 9800), (585, 9803), (601, 9854), (603, 9860), (608, 9875), (617, 9905), (662, 10031), (677, 10061),

(687, 10091),

Gene: Posh_3 Start: 2281, Stop: 3729, Start Num: 77

Candidate Starts for Posh_3:

(Start: 77 @2281 has 21 MA's), (92, 2299), (183, 2467), (191, 2500), (218, 2548), (237, 2605), (241, 2620), (360, 2815), (422, 2884), (425, 2893), (461, 2998), (497, 3100), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (583, 3337), (593, 3367), (603, 3400), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3676),

Gene: PotPie_5 Start: 3435, Stop: 4868, Start Num: 115

Candidate Starts for PotPie_5:

(Start: 115 @3435 has 54 MA's), (133, 3459), (142, 3483), (190, 3603), (191, 3609), (213, 3645), (228, 3681), (232, 3699), (241, 3732), (247, 3756), (288, 3825), (301, 3858), (425, 4014), (446, 4065), (454, 4095), (461, 4119), (474, 4161), (499, 4230), (530, 4296), (554, 4368), (607, 4539), (621, 4572), (640, 4632), (647, 4653), (662, 4686), (685, 4746), (687, 4749), (759, 4860),

Gene: PotatoSplit_15 Start: 8654, Stop: 10108, Start Num: 74

Candidate Starts for PotatoSplit_15:

(Start: 74 @8654 has 530 MA's), (Start: 114 @8684 has 8 MA's), (129, 8711), (174, 8816), (223, 8930), (242, 8996), (265, 9053), (301, 9131), (303, 9134), (421, 9275), (459, 9386), (461, 9392), (467, 9413), (544, 9578), (584, 9704), (601, 9758), (603, 9764), (608, 9779), (621, 9815), (649, 9902), (662, 9932), (677, 9962), (696, 10007), (706, 10016),

Gene: Poushou_4 Start: 2870, Stop: 4285, Start Num: 86

Candidate Starts for Poushou_4:

(Start: 86 @2870 has 5 MA's), (142, 2960), (189, 3089), (195, 3113), (231, 3185), (241, 3221), (362, 3458), (404, 3512), (446, 3608), (461, 3662), (474, 3704), (520, 3746), (579, 3944), (647, 4142),

Gene: Power_13 Start: 9170, Stop: 10633, Start Num: 74

Candidate Starts for Power_13:

(Start: 74 @9170 has 530 MA's), (129, 9230), (174, 9335), (246, 9533), (288, 9617), (301, 9650), (388, 9761), (452, 9878), (459, 9905), (461, 9911), (467, 9932), (468, 9938), (486, 9983), (547, 10106), (601, 10277), (607, 10295), (608, 10298), (617, 10325), (621, 10334), (662, 10451), (677, 10481), (685, 10511),

Gene: Powerpuff_3 Start: 2320, Stop: 3696, Start Num: 104

Candidate Starts for Powerpuff_3:

(Start: 104 @2320 has 48 MA's), (Start: 166 @2440 has 2 MA's), (197, 2539), (216, 2578), (318, 2803), (412, 2896), (478, 3076), (558, 3244), (573, 3283), (579, 3313), (587, 3337), (647, 3511), (650, 3520), (710, 3631),

Gene: Priamo_16 Start: 9302, Stop: 10765, Start Num: 74

Candidate Starts for Priamo_16:

(Start: 74 @9302 has 530 MA's), (97, 9323), (129, 9362), (167, 9449), (171, 9461), (174, 9467), (288, 9749), (434, 9962), (452, 10013), (459, 10040), (460, 10043), (461, 10046), (467, 10067), (608, 10433), (617, 10460), (621, 10469), (640, 10529), (662, 10586), (677, 10616), (685, 10646), (709, 10673),

Gene: Prinashe11_11 Start: 7907, Stop: 9340, Start Num: 75

Candidate Starts for Prinashe11_11:

(Start: 75 @7907 has 72 MA's), (179, 8063), (185, 8075), (188, 8090), (190, 8096), (252, 8264), (265, 8291), (301, 8369), (363, 8450), (424, 8522), (425, 8525), (452, 8597), (461, 8630), (467, 8651), (473, 8669), (477, 8681), (501, 8726), (584, 8942), (601, 8996), (607, 9014), (621, 9053), (662, 9170), (677,

9200), (685, 9230), (706, 9254),

Gene: Pringar_36 Start: 12489, Stop: 14054, Start Num: 48

Candidate Starts for Pringar_36:

(Start: 48 @12489 has 17 MA's), (119, 12606), (172, 12726), (190, 12771), (192, 12780), (233, 12870), (245, 12918), (246, 12921), (277, 12963), (281, 12966), (289, 12990), (334, 13062), (337, 13065), (367, 13104), (384, 13125), (386, 13128), (424, 13173), (456, 13263), (458, 13272), (461, 13281), (474, 13323), (475, 13326), (488, 13365), (510, 13407), (512, 13413), (514, 13416), (532, 13461), (554, 13530), (584, 13629), (588, 13641), (622, 13740), (641, 13806), (651, 13827), (656, 13842), (706, 13935), (717, 13950),

Gene: Prithvi_9 Start: 2995, Stop: 4548, Start Num: 50

Candidate Starts for Prithvi_9:

(31, 2893), (Start: 49 @2980 has 25 MA's), (Start: 50 @2995 has 160 MA's), (128, 3094), (131, 3103), (160, 3175), (Start: 166 @3184 has 2 MA's), (174, 3208), (186, 3241), (197, 3283), (231, 3352), (237, 3373), (247, 3412), (294, 3496), (333, 3571), (351, 3592), (385, 3646), (441, 3766), (452, 3799), (457, 3820), (464, 3841), (473, 3871), (517, 3904), (525, 3922), (546, 4000), (550, 4012), (552, 4015), (556, 4027), (557, 4030), (573, 4066), (585, 4114), (607, 4183), (640, 4279), (650, 4300), (661, 4327), (664, 4336), (681, 4372), (717, 4426),

Gene: Priya_14 Start: 9924, Stop: 11411, Start Num: 74

Candidate Starts for Priya_14:

(Start: 74 @9924 has 530 MA's), (129, 9987), (174, 10092), (197, 10161), (252, 10302), (288, 10374), (315, 10428), (421, 10551), (435, 10587), (440, 10596), (452, 10635), (459, 10662), (461, 10668), (467, 10689), (486, 10740), (511, 10779), (601, 11034), (607, 11052), (617, 11082), (619, 11085), (621, 11091), (659, 11202), (662, 11208), (677, 11238), (696, 11283), (706, 11292),

Gene: ProMouse_11 Start: 9127, Stop: 10569, Start Num: 112

Candidate Starts for ProMouse_11:

(64, 9061), (Start: 112 @9127 has 204 MA's), (195, 9325), (288, 9538), (291, 9550), (421, 9733), (425, 9745), (459, 9844), (547, 10039), (561, 10078), (584, 10156), (586, 10162), (601, 10210), (605, 10222), (608, 10231), (639, 10321), (677, 10411), (687, 10444), (696, 10456),

Gene: Procrass1_3 Start: 1881, Stop: 3206, Start Num: 106

Candidate Starts for Procrass1_3:

(Start: 106 @1881 has 46 MA's), (118, 1896), (128, 1914), (139, 1935), (157, 1986), (165, 1995), (167, 2001), (174, 2019), (180, 2028), (184, 2037), (185, 2040), (190, 2061), (192, 2070), (227, 2130), (237, 2169), (239, 2175), (244, 2196), (246, 2205), (260, 2235), (261, 2238), (304, 2313), (306, 2316), (335, 2355), (338, 2358), (348, 2370), (366, 2382), (417, 2433), (424, 2451), (425, 2454), (430, 2463), (459, 2553), (463, 2565), (474, 2601), (477, 2610), (496, 2646), (499, 2652), (506, 2661), (509, 2670), (534, 2703), (547, 2748), (550, 2757), (554, 2766), (576, 2841), (584, 2865), (628, 2985), (639, 3036), (648, 3063), (658, 3084), (659, 3087), (662, 3093), (663, 3096), (670, 3111), (678, 3126), (679, 3129), (689, 3159),

Gene: Provolone_8 Start: 3905, Stop: 5338, Start Num: 108

Candidate Starts for Provolone_8:

(Start: 108 @3905 has 156 MA's), (Start: 166 @4022 has 2 MA's), (184, 4070), (187, 4082), (283, 4325), (325, 4412), (382, 4472), (398, 4490), (401, 4496), (449, 4595), (470, 4670), (477, 4688), (503, 4727), (520, 4763), (549, 4865), (601, 5027), (607, 5045), (631, 5102), (661, 5192), (680, 5234), (726, 5300), (747, 5324),

Gene: Psycho_7 Start: 2788, Stop: 4326, Start Num: 50

Candidate Starts for Psycho_7:

(Start: 50 @2788 has 160 MA's), (128, 2890), (131, 2899), (149, 2953), (186, 3037), (189, 3049), (197, 3079), (207, 3097), (231, 3148), (241, 3184), (247, 3208), (248, 3211), (287, 3265), (294, 3286), (333, 3361), (351, 3382), (370, 3412), (396, 3457), (421, 3511), (441, 3556), (452, 3589), (462, 3625), (464, 3631), (517, 3694), (525, 3712), (546, 3790), (550, 3802), (552, 3805), (557, 3820), (575, 3865), (576, 3880), (583, 3901), (585, 3907), (600, 3955), (601, 3958), (607, 3976), (612, 3991), (637, 4057), (640, 4072), (650, 4093), (664, 4129), (681, 4165), (735, 4252),

Gene: PsychoKiller_5 Start: 2789, Stop: 4246, Start Num: 115

Candidate Starts for PsychoKiller_5:

(Start: 115 @2789 has 54 MA's), (133, 2813), (176, 2924), (180, 2927), (184, 2936), (222, 3017), (244, 3101), (247, 3113), (288, 3182), (391, 3329), (425, 3371), (449, 3434), (454, 3452), (456, 3458), (459, 3470), (461, 3476), (499, 3587), (544, 3704), (554, 3731), (565, 3767), (605, 3896), (607, 3902), (621, 3935), (639, 3992), (640, 3995), (648, 4019), (662, 4049), (685, 4109), (687, 4112), (759, 4223),

Gene: Pucara_3 Start: 2388, Stop: 3749, Start Num: 100

Candidate Starts for Pucara_3:

(Start: 100 @2388 has 21 MA's), (156, 2505), (182, 2556), (187, 2574), (196, 2610), (223, 2658), (246, 2742), (260, 2784), (293, 2865), (308, 2895), (363, 2970), (424, 3036), (425, 3039), (446, 3087), (458, 3129), (463, 3144), (552, 3336), (571, 3390), (609, 3510), (640, 3594), (641, 3600), (689, 3714), (718, 3741),

Gene: Puginator_9 Start: 4426, Stop: 5895, Start Num: 108

Candidate Starts for Puginator_9:

(Start: 108 @4426 has 156 MA's), (Start: 166 @4543 has 2 MA's), (187, 4603), (197, 4642), (231, 4735), (237, 4756), (248, 4792), (346, 4948), (364, 4975), (401, 5014), (428, 5065), (449, 5113), (470, 5188), (477, 5206), (483, 5224), (486, 5233), (513, 5314), (535, 5371), (547, 5422), (549, 5428), (607, 5608), (631, 5665), (661, 5755), (664, 5764), (747, 5881),

Gene: Pukovnik_15 Start: 10888, Stop: 12342, Start Num: 74

Candidate Starts for Pukovnik_15:

(Start: 74 @10888 has 530 MA's), (129, 10948), (174, 11053), (223, 11167), (252, 11263), (281, 11317), (288, 11335), (301, 11368), (425, 11524), (452, 11596), (459, 11623), (461, 11629), (467, 11650), (601, 11995), (617, 12043), (621, 12052), (640, 12112), (649, 12139), (662, 12169), (677, 12199), (685, 12229), (706, 12253),

Gene: Pumbaa_12 Start: 8553, Stop: 10004, Start Num: 74

Candidate Starts for Pumbaa_12:

(Start: 74 @8553 has 530 MA's), (170, 8700), (174, 8712), (239, 8880), (246, 8910), (265, 8949), (276, 8967), (301, 9027), (414, 9156), (421, 9174), (459, 9285), (461, 9291), (467, 9312), (468, 9318), (496, 9387), (528, 9447), (544, 9492), (584, 9618), (585, 9621), (601, 9672), (603, 9678), (608, 9693), (617, 9723), (647, 9813), (662, 9849), (677, 9879), (685, 9909),

Gene: Pumpkins_3 Start: 2263, Stop: 3798, Start Num: 101

Candidate Starts for Pumpkins_3:

(Start: 101 @2263 has 12 MA's), (Start: 166 @2383 has 2 MA's), (197, 2482), (318, 2746), (343, 2761), (558, 3184), (573, 3223), (579, 3253), (587, 3277), (647, 3451), (664, 3496), (704, 3562), (749, 3640), (760, 3661),

Gene: Puppy_13 Start: 7812, Stop: 9278, Start Num: 75

Candidate Starts for Puppy_13:

(Start: 75 @7812 has 72 MA's), (174, 7983), (204, 8067), (233, 8130), (242, 8163), (246, 8181), (265, 8220), (281, 8247), (300, 8295), (418, 8436), (422, 8445), (452, 8526), (458, 8550), (459, 8553), (461, 8559), (466, 8577), (467, 8580), (468, 8586), (544, 8757), (584, 8883), (585, 8886), (601, 8937), (603,

8943), (608, 8958), (617, 8988), (662, 9114), (677, 9144), (687, 9174),

Gene: PurpleHaze_14 Start: 8725, Stop: 10179, Start Num: 74

Candidate Starts for PurpleHaze_14:

(Start: 74 @8725 has 530 MA's), (Start: 114 @8755 has 8 MA's), (129, 8782), (174, 8887), (223, 9001), (242, 9067), (265, 9124), (301, 9202), (303, 9205), (421, 9346), (459, 9457), (461, 9463), (467, 9484), (544, 9649), (584, 9775), (601, 9829), (603, 9835), (608, 9850), (621, 9886), (649, 9973), (662, 10003), (677, 10033), (696, 10078), (706, 10087),

Gene: Pytheas_3 Start: 2281, Stop: 3729, Start Num: 77

Candidate Starts for Pytheas_3:

(35, 2128), (Start: 77 @2281 has 21 MA's), (183, 2467), (191, 2500), (202, 2533), (237, 2605), (360, 2815), (425, 2893), (440, 2926), (458, 2989), (461, 2998), (510, 3124), (514, 3133), (531, 3169), (547, 3223), (565, 3277), (578, 3322), (593, 3367), (605, 3406), (606, 3409), (607, 3412), (628, 3457), (727, 3676),

Gene: QTRlifeCrisis_12 Start: 9132, Stop: 10574, Start Num: 112

Candidate Starts for QTRlifeCrisis_12:

(64, 9066), (Start: 112 @9132 has 204 MA's), (195, 9330), (288, 9543), (421, 9738), (425, 9750), (459, 9849), (547, 10044), (561, 10083), (584, 10161), (586, 10167), (601, 10215), (605, 10227), (608, 10236), (639, 10326), (677, 10416), (687, 10449), (696, 10461),

Gene: Qobbit_14 Start: 9923, Stop: 11410, Start Num: 74

Candidate Starts for Qobbit_14:

(Start: 74 @9923 has 530 MA's), (129, 9986), (174, 10091), (197, 10160), (252, 10301), (271, 10340), (288, 10373), (301, 10406), (421, 10550), (452, 10634), (459, 10661), (461, 10667), (467, 10688), (477, 10718), (511, 10778), (601, 11033), (607, 11051), (617, 11081), (619, 11084), (621, 11090), (659, 11201), (662, 11207), (677, 11237), (696, 11282), (706, 11291),

Gene: Quasar_5 Start: 3410, Stop: 4867, Start Num: 115

Candidate Starts for Quasar_5:

(Start: 115 @3410 has 54 MA's), (133, 3434), (176, 3545), (180, 3548), (184, 3557), (222, 3638), (244, 3722), (247, 3734), (288, 3803), (391, 3950), (425, 3992), (449, 4055), (454, 4073), (456, 4079), (459, 4091), (461, 4097), (499, 4208), (544, 4325), (554, 4352), (565, 4388), (605, 4517), (607, 4523), (621, 4556), (639, 4613), (640, 4616), (648, 4640), (662, 4670), (685, 4730), (687, 4733), (759, 4844),

Gene: Quby_5 Start: 2334, Stop: 3971, Start Num: 87

Candidate Starts for Quby_5:

(Start: 87 @2334 has 9 MA's), (137, 2409), (188, 2538), (189, 2541), (197, 2571), (231, 2643), (241, 2679), (251, 2718), (327, 2850), (372, 2889), (407, 2922), (418, 2946), (421, 2952), (430, 2973), (432, 2979), (433, 2982), (444, 3003), (462, 3066), (463, 3069), (520, 3171), (528, 3192), (562, 3306), (592, 3399), (600, 3426), (628, 3489), (638, 3531), (647, 3558), (650, 3567), (677, 3627), (690, 3657), (698, 3666), (704, 3672), (757, 3762), (762, 3774), (776, 3852),

Gene: QueenB2_13 Start: 9238, Stop: 10701, Start Num: 74

Candidate Starts for QueenB2_13:

(Start: 74 @9238 has 530 MA's), (129, 9298), (174, 9403), (246, 9601), (288, 9685), (301, 9718), (388, 9829), (422, 9865), (452, 9946), (459, 9973), (461, 9979), (467, 10000), (468, 10006), (486, 10051), (547, 10174), (601, 10345), (607, 10363), (608, 10366), (617, 10393), (621, 10402), (662, 10519), (677, 10549), (685, 10579), (706, 10603),

Gene: QueenBeesly_13 Start: 9170, Stop: 10633, Start Num: 74

Candidate Starts for QueenBeesly_13:

(Start: 74 @9170 has 530 MA's), (129, 9230), (174, 9335), (246, 9533), (288, 9617), (301, 9650), (388, 9761), (452, 9878), (459, 9905), (461, 9911), (467, 9932), (468, 9938), (486, 9983), (547, 10106), (601, 10277), (607, 10295), (608, 10298), (617, 10325), (621, 10334), (662, 10451), (677, 10481), (685, 10511),

Gene: QueenBey_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for QueenBey_3:

(Start: 106 @1886 has 46 MA's), (113, 1892), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (296, 2303), (302, 2315), (304, 2318), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (415, 2432), (425, 2459), (430, 2468), (463, 2570), (474, 2606), (477, 2615), (495, 2648), (496, 2651), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (576, 2846), (584, 2870), (621, 2984), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: Quico_4 Start: 2197, Stop: 3618, Start Num: 108

Candidate Starts for Quico_4:

(Start: 108 @2197 has 156 MA's), (124, 2224), (131, 2236), (184, 2365), (189, 2386), (197, 2416), (231, 2485), (237, 2506), (246, 2542), (248, 2548), (271, 2572), (273, 2575), (308, 2650), (312, 2656), (336, 2701), (366, 2743), (421, 2845), (424, 2854), (425, 2857), (430, 2866), (444, 2896), (447, 2905), (457, 2944), (463, 2962), (464, 2965), (473, 2995), (526, 3052), (538, 3091), (550, 3136), (557, 3154), (565, 3181), (571, 3193), (573, 3196), (575, 3202), (587, 3250), (629, 3358), (650, 3430), (655, 3445), (660, 3454), (661, 3457), (684, 3517), (693, 3529), (716, 3553), (728, 3577),

Gene: QuincyRose_8 Start: 3031, Stop: 4599, Start Num: 49

Candidate Starts for QuincyRose_8:

(31, 2944), (Start: 49 @3031 has 25 MA's), (Start: 50 @3046 has 160 MA's), (128, 3145), (131, 3154), (160, 3226), (Start: 166 @3235 has 2 MA's), (174, 3259), (186, 3292), (188, 3301), (197, 3334), (231, 3403), (237, 3424), (248, 3466), (288, 3532), (294, 3547), (333, 3622), (351, 3643), (385, 3697), (441, 3817), (452, 3850), (457, 3871), (464, 3892), (473, 3922), (517, 3955), (525, 3973), (541, 4033), (546, 4051), (550, 4063), (552, 4066), (556, 4078), (557, 4081), (573, 4117), (585, 4165), (601, 4216), (607, 4234), (640, 4330), (650, 4351), (661, 4378), (664, 4387), (681, 4423),

Gene: QuinnKiro_12 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for QuinnKiro_12:

(Start: 74 @8738 has 530 MA's), (117, 8777), (174, 8903), (204, 8987), (233, 9050), (242, 9083), (246, 9101), (265, 9140), (281, 9167), (301, 9218), (414, 9344), (418, 9356), (424, 9371), (425, 9374), (452, 9446), (459, 9473), (461, 9479), (467, 9500), (468, 9506), (477, 9530), (496, 9572), (544, 9677), (584, 9803), (585, 9806), (601, 9857), (603, 9863), (608, 9878), (617, 9908), (662, 10034), (677, 10064), (687, 10094),

Gene: Quokka_11 Start: 8157, Stop: 9614, Start Num: 74

Candidate Starts for Quokka_11:

(Start: 74 @8157 has 530 MA's), (97, 8178), (129, 8217), (174, 8322), (288, 8604), (301, 8637), (354, 8709), (425, 8793), (452, 8865), (459, 8892), (461, 8898), (467, 8919), (561, 9132), (593, 9237), (601, 9264), (608, 9285), (617, 9312), (621, 9321), (662, 9438), (677, 9468), (685, 9498), (706, 9522),

Gene: R4_7 Start: 3896, Stop: 5368, Start Num: 108

Candidate Starts for R4_7:

(Start: 108 @3896 has 156 MA's), (Start: 166 @4013 has 2 MA's), (184, 4061), (187, 4073), (189, 4082), (197, 4112), (231, 4205), (308, 4370), (312, 4376), (449, 4583), (470, 4658), (477, 4676), (481, 4688), (483, 4694), (485, 4700), (535, 4841), (547, 4892), (549, 4898), (586, 5012), (607, 5078), (631,

5135), (647, 5189), (680, 5267), (747, 5354),

Gene: RER2_2 Start: 1707, Stop: 3152, Start Num: 74

Candidate Starts for RER2_2:

(Start: 74 @1707 has 530 MA's), (185, 1884), (190, 1905), (197, 1932), (204, 1947), (233, 2010), (271, 2109), (281, 2124), (363, 2253), (421, 2316), (424, 2325), (455, 2412), (457, 2421), (459, 2427), (474, 2475), (500, 2529), (511, 2544), (516, 2553), (544, 2619), (547, 2628), (550, 2637), (593, 2772), (607, 2817), (608, 2820), (640, 2913), (662, 2970), (677, 3000), (685, 3027), (696, 3039), (702, 3045),

Gene: RGL3_2 Start: 1707, Stop: 3143, Start Num: 74

Candidate Starts for RGL3_2:

(43, 1626), (Start: 74 @1707 has 530 MA's), (170, 1851), (185, 1884), (190, 1905), (204, 1947), (233, 2010), (271, 2109), (363, 2253), (421, 2316), (441, 2364), (455, 2412), (459, 2427), (474, 2475), (500, 2529), (511, 2544), (516, 2553), (544, 2619), (547, 2628), (593, 2772), (607, 2817), (608, 2820), (640, 2913), (662, 2970), (677, 3000), (685, 3027), (694, 3036), (702, 3045), (723, 3075), (737, 3105),

Gene: Rabbitrun_15 Start: 6778, Stop: 8271, Start Num: 59

Candidate Starts for Rabbitrun_15:

(Start: 59 @6778 has 72 MA's), (94, 6832), (131, 6892), (Start: 166 @6973 has 2 MA's), (176, 7003), (182, 7012), (187, 7030), (189, 7039), (195, 7063), (197, 7069), (212, 7105), (231, 7141), (253, 7225), (278, 7258), (286, 7273), (297, 7300), (303, 7315), (372, 7393), (407, 7420), (414, 7432), (421, 7450), (422, 7453), (425, 7462), (433, 7480), (451, 7525), (480, 7612), (511, 7645), (516, 7654), (526, 7675), (558, 7780), (565, 7804), (587, 7873), (592, 7888), (600, 7915), (603, 7924), (607, 7936), (628, 7978), (631, 7993), (641, 8038), (648, 8050), (655, 8071), (660, 8080), (751, 8233),

Gene: Rabbs_3 Start: 1889, Stop: 3403, Start Num: 59

Candidate Starts for Rabbs_3:

(9, 1322), (16, 1490), (18, 1505), (24, 1634), (Start: 59 @1889 has 72 MA's), (117, 1952), (118, 1955), (123, 1964), (184, 2096), (238, 2243), (239, 2246), (286, 2336), (301, 2375), (356, 2450), (360, 2456), (370, 2468), (422, 2519), (427, 2531), (450, 2594), (461, 2633), (474, 2675), (489, 2720), (499, 2744), (506, 2753), (534, 2810), (546, 2852), (553, 2870), (554, 2873), (601, 3029), (634, 3119), (641, 3155), (662, 3206), (673, 3230),

Gene: Rachaly_16 Start: 10917, Stop: 12374, Start Num: 74

Candidate Starts for Rachaly_16:

(Start: 74 @10917 has 530 MA's), (129, 10977), (141, 11001), (170, 11070), (174, 11082), (252, 11292), (265, 11319), (288, 11364), (344, 11457), (425, 11553), (452, 11625), (459, 11652), (461, 11658), (467, 11679), (486, 11730), (601, 12024), (607, 12042), (612, 12060), (617, 12072), (621, 12081), (647, 12162), (649, 12168), (662, 12198), (667, 12210), (677, 12228), (685, 12258),

Gene: RadFad_4 Start: 2262, Stop: 3605, Start Num: 96

Candidate Starts for RadFad_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (117, 2283), (165, 2385), (170, 2397), (227, 2538), (239, 2583), (243, 2598), (248, 2619), (281, 2655), (288, 2673), (328, 2754), (365, 2799), (430, 2877), (457, 2958), (461, 2970), (462, 2973), (468, 2997), (485, 3039), (542, 3150), (547, 3165), (559, 3195), (587, 3291), (677, 3531), (678, 3534), (681, 3540), (716, 3591),

Gene: Raela_36 Start: 12732, Stop: 14297, Start Num: 48

Candidate Starts for Raela_36:

(Start: 48 @12732 has 17 MA's), (119, 12849), (172, 12969), (190, 13014), (192, 13023), (233, 13113), (245, 13161), (246, 13164), (277, 13206), (281, 13209), (289, 13233), (334, 13305), (337, 13308), (367, 13347), (384, 13368), (386, 13371), (424, 13416), (456, 13506), (458, 13515), (461, 13524), (474, 13566), (475, 13569), (488, 13608), (510, 13650), (512, 13656), (514, 13659), (532, 13704),

(554, 13773), (584, 13872), (588, 13884), (622, 13983), (641, 14049), (651, 14070), (656, 14085), (706, 14178), (717, 14193),

Gene: Rahalelujah_12 Start: 7969, Stop: 9453, Start Num: 74

Candidate Starts for Rahalelujah_12:

(Start: 74 @7969 has 530 MA's), (129, 8029), (167, 8116), (174, 8134), (252, 8344), (288, 8416), (316, 8473), (388, 8560), (421, 8593), (435, 8629), (440, 8638), (452, 8677), (459, 8704), (461, 8710), (467, 8731), (468, 8737), (486, 8782), (511, 8821), (601, 9079), (607, 9097), (617, 9127), (621, 9136), (659, 9247), (662, 9253), (677, 9283), (696, 9328), (706, 9337),

Gene: Raid_13 Start: 8423, Stop: 9865, Start Num: 112

Candidate Starts for Raid_13:

(64, 8357), (Start: 112 @8423 has 204 MA's), (195, 8621), (288, 8834), (291, 8846), (421, 9029), (425, 9041), (449, 9104), (459, 9140), (547, 9335), (561, 9374), (584, 9452), (586, 9458), (600, 9503), (601, 9506), (605, 9518), (608, 9527), (621, 9560), (639, 9617), (677, 9707), (687, 9740), (696, 9752),

Gene: Rajelicia_12 Start: 8639, Stop: 10081, Start Num: 112

Candidate Starts for Rajelicia_12:

(64, 8573), (Start: 112 @8639 has 204 MA's), (195, 8837), (288, 9050), (421, 9245), (422, 9248), (425, 9257), (459, 9356), (484, 9428), (547, 9551), (561, 9590), (584, 9668), (586, 9674), (601, 9722), (605, 9734), (608, 9743), (621, 9776), (639, 9833), (677, 9923), (687, 9956), (696, 9968),

Gene: Ramen_9 Start: 3020, Stop: 4579, Start Num: 50

Candidate Starts for Ramen_9:

(31, 2918), (Start: 49 @3005 has 25 MA's), (Start: 50 @3020 has 160 MA's), (128, 3122), (131, 3131), (160, 3203), (Start: 166 @3212 has 2 MA's), (174, 3236), (186, 3269), (188, 3278), (197, 3311), (207, 3329), (231, 3380), (237, 3401), (248, 3443), (288, 3509), (294, 3524), (333, 3599), (351, 3620), (385, 3674), (441, 3794), (452, 3827), (457, 3848), (464, 3869), (473, 3899), (517, 3932), (525, 3950), (546, 4028), (550, 4040), (552, 4043), (556, 4055), (557, 4058), (573, 4094), (585, 4142), (601, 4193), (607, 4211), (640, 4307), (650, 4328), (661, 4355), (664, 4364), (681, 4400),

Gene: Ramsey_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Ramsey_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Rana_7 Start: 4053, Stop: 5489, Start Num: 108

Candidate Starts for Rana_7:

(Start: 99 @4047 has 4 MA's), (Start: 108 @4053 has 156 MA's), (123, 4077), (136, 4101), (Start: 166 @4170 has 2 MA's), (184, 4218), (187, 4230), (197, 4269), (249, 4422), (271, 4452), (312, 4536), (346, 4578), (401, 4644), (446, 4734), (449, 4746), (470, 4821), (477, 4839), (520, 4917), (535, 4962), (549, 5019), (623, 5232), (631, 5256), (680, 5388), (747, 5475),

Gene: RanchParmCat_8 Start: 3559, Stop: 5004, Start Num: 115

Candidate Starts for RanchParmCat_8:

(Start: 115 @3559 has 54 MA's), (129, 3574), (172, 3676), (184, 3697), (185, 3700), (213, 3763), (225, 3790), (236, 3832), (244, 3862), (246, 3871), (277, 3919), (310, 3991), (342, 4027), (422, 4123), (449, 4195), (454, 4213), (456, 4219), (461, 4237), (463, 4243), (520, 4387), (554, 4486), (617, 4684), (621, 4693), (642, 4762), (662, 4807), (685, 4867), (694, 4879), (759, 4993),

Gene: Rando14_7 Start: 2855, Stop: 4411, Start Num: 50

Candidate Starts for Rando14_7:

(Start: 50 @2855 has 160 MA's), (109, 2930), (124, 2954), (131, 2966), (135, 2975), (149, 3020), (Start: 166 @3047 has 2 MA's), (189, 3116), (231, 3215), (237, 3236), (241, 3251), (248, 3278), (294, 3353), (297, 3356), (333, 3428), (351, 3449), (361, 3464), (396, 3524), (424, 3587), (425, 3590), (441, 3623), (452, 3656), (457, 3677), (462, 3692), (463, 3695), (464, 3698), (517, 3761), (525, 3779), (535, 3809), (546, 3857), (550, 3869), (552, 3872), (557, 3887), (575, 3932), (583, 3968), (585, 3974), (600, 4022), (601, 4025), (603, 4031), (607, 4043), (637, 4124), (640, 4139), (650, 4160), (657, 4178), (664, 4196), (681, 4232), (735, 4319), (742, 4331), (748, 4343),

Gene: Raphaella_4 Start: 2275, Stop: 3612, Start Num: 111

Candidate Starts for Raphaella_4:

(44, 2152), (46, 2155), (Start: 55 @2197 has 21 MA's), (60, 2209), (Start: 96 @2263 has 3 MA's), (Start: 111 @2275 has 22 MA's), (138, 2323), (165, 2386), (170, 2398), (277, 2656), (301, 2713), (328, 2761), (415, 2848), (418, 2857), (430, 2884), (457, 2965), (461, 2977), (462, 2980), (468, 3004), (547, 3172), (565, 3226), (584, 3289), (587, 3298), (604, 3352), (619, 3391), (640, 3457), (677, 3538), (681, 3547), (716, 3598),

Gene: Rapunzel97_9 Start: 3020, Stop: 4579, Start Num: 50

Candidate Starts for Rapunzel97_9:

(31, 2918), (Start: 49 @3005 has 25 MA's), (Start: 50 @3020 has 160 MA's), (128, 3122), (131, 3131), (160, 3203), (Start: 166 @3212 has 2 MA's), (174, 3236), (186, 3269), (188, 3278), (197, 3311), (207, 3329), (231, 3380), (237, 3401), (248, 3443), (288, 3509), (294, 3524), (333, 3599), (351, 3620), (385, 3674), (441, 3794), (452, 3827), (457, 3848), (464, 3869), (473, 3899), (517, 3932), (525, 3950), (546, 4028), (550, 4040), (552, 4043), (556, 4055), (557, 4058), (573, 4094), (585, 4142), (601, 4193), (607, 4211), (640, 4307), (650, 4328), (661, 4355), (664, 4364), (681, 4400),

Gene: Raqqa_4 Start: 2455, Stop: 3861, Start Num: 65

Candidate Starts for Raqqa_4:

(Start: 65 @2455 has 2 MA's), (Start: 102 @2503 has 4 MA's), (118, 2518), (Start: 121 @2524 has 1 MA's), (123, 2527), (129, 2536), (148, 2584), (168, 2626), (175, 2641), (185, 2662), (188, 2677), (246, 2836), (248, 2842), (269, 2872), (290, 2911), (316, 2962), (358, 3010), (425, 3088), (435, 3112), (437, 3115), (449, 3151), (450, 3154), (454, 3169), (461, 3193), (505, 3298), (540, 3373), (546, 3391), (553, 3409), (566, 3454), (587, 3520), (595, 3544), (605, 3580), (606, 3583), (641, 3694), (656, 3730), (673, 3763), (679, 3775),

Gene: Rasputin_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Rasputin_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (281, 5252), (363, 5381), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: ReMo_15 Start: 8380, Stop: 9840, Start Num: 74

Candidate Starts for ReMo_15:

(Start: 74 @8380 has 530 MA's), (129, 8440), (174, 8545), (196, 8611), (271, 8794), (288, 8827), (301, 8860), (452, 9091), (459, 9118), (461, 9124), (467, 9145), (474, 9166), (486, 9196), (501, 9220), (544, 9310), (555, 9340), (584, 9436), (593, 9463), (601, 9490), (607, 9508), (608, 9511), (617, 9544), (621, 9553), (662, 9670), (677, 9700), (706, 9754),

Gene: Reba_15 Start: 8397, Stop: 9851, Start Num: 74

Candidate Starts for Reba_15:

(Start: 74 @8397 has 530 MA's), (Start: 114 @8427 has 8 MA's), (129, 8454), (174, 8559), (223, 8673), (242, 8739), (265, 8796), (301, 8874), (303, 8877), (421, 9018), (459, 9129), (461, 9135), (467, 9156), (544, 9321), (584, 9447), (601, 9501), (603, 9507), (608, 9522), (621, 9558), (649, 9645), (662, 9675), (677, 9705), (696, 9750), (706, 9759),

Gene: Rebeuca_13 Start: 8554, Stop: 9999, Start Num: 74

Candidate Starts for Rebeuca_13:

(Start: 74 @8554 has 530 MA's), (174, 8713), (233, 8860), (236, 8872), (242, 8893), (246, 8911), (248, 8917), (264, 8950), (301, 9031), (308, 9043), (418, 9169), (425, 9187), (452, 9259), (459, 9286), (461, 9292), (466, 9310), (467, 9313), (544, 9493), (584, 9619), (585, 9622), (601, 9673), (603, 9679), (608, 9694), (617, 9724), (621, 9733), (647, 9814), (662, 9850), (677, 9880), (702, 9931), (705, 9934),

Gene: Red305_6 Start: 2756, Stop: 4399, Start Num: 84

Candidate Starts for Red305_6:

(Start: 84 @2756 has 64 MA's), (128, 2816), (189, 2966), (197, 2996), (231, 3068), (249, 3134), (278, 3182), (327, 3275), (372, 3314), (432, 3404), (437, 3413), (444, 3428), (528, 3617), (538, 3650), (548, 3689), (562, 3731), (628, 3914), (638, 3956), (647, 3983), (650, 3992), (677, 4052), (690, 4082), (698, 4091), (747, 4166), (762, 4199),

Gene: RedBaron_6 Start: 2858, Stop: 4291, Start Num: 133

Candidate Starts for RedBaron_6:

(Start: 115 @2834 has 54 MA's), (133, 2858), (176, 2969), (180, 2972), (184, 2981), (222, 3062), (244, 3146), (247, 3158), (288, 3227), (391, 3374), (425, 3416), (449, 3479), (454, 3497), (456, 3503), (459, 3515), (461, 3521), (499, 3632), (544, 3749), (554, 3776), (565, 3812), (605, 3941), (607, 3947), (621, 3980), (639, 4037), (640, 4040), (648, 4064), (662, 4094), (685, 4154), (687, 4157), (759, 4268),

Gene: RedBear_9 Start: 4327, Stop: 5763, Start Num: 108

Candidate Starts for RedBear_9:

(Start: 96 @4318 has 3 MA's), (Start: 99 @4321 has 4 MA's), (Start: 108 @4327 has 156 MA's), (123, 4351), (136, 4375), (Start: 166 @4444 has 2 MA's), (184, 4492), (190, 4516), (197, 4543), (249, 4696), (312, 4810), (346, 4852), (355, 4864), (364, 4879), (401, 4918), (446, 5008), (449, 5020), (477, 5113), (520, 5191), (535, 5236), (549, 5293), (631, 5530), (747, 5749),

Gene: RedRaider77_36 Start: 12633, Stop: 14198, Start Num: 48

Candidate Starts for RedRaider77_36:

(Start: 48 @12633 has 17 MA's), (119, 12750), (122, 12756), (172, 12870), (190, 12915), (192, 12924), (233, 13014), (245, 13062), (246, 13065), (277, 13107), (281, 13110), (289, 13134), (334, 13206), (337, 13209), (367, 13248), (384, 13269), (386, 13272), (424, 13317), (456, 13407), (458, 13416), (461, 13425), (474, 13467), (475, 13470), (488, 13509), (510, 13551), (512, 13557), (514, 13560), (532, 13605), (554, 13674), (584, 13773), (588, 13785), (622, 13884), (641, 13950), (651, 13971), (656, 13986), (706, 14079), (717, 14094),

Gene: RedRock_16 Start: 11153, Stop: 12613, Start Num: 74

Candidate Starts for RedRock_16:

(Start: 74 @11153 has 530 MA's), (Start: 111 @11183 has 22 MA's), (129, 11213), (170, 11306), (174, 11318), (288, 11600), (421, 11777), (452, 11861), (459, 11888), (461, 11894), (467, 11915), (501, 11990), (601, 12260), (608, 12281), (612, 12296), (617, 12308), (621, 12317), (662, 12434), (677, 12464), (685, 12494), (706, 12518),

Gene: Reedo_3 Start: 2275, Stop: 3648, Start Num: 102

Candidate Starts for Reedo_3:

(Start: 102 @2275 has 4 MA's), (Start: 166 @2395 has 2 MA's), (197, 2494), (273, 2665), (351, 2782), (478, 3031), (573, 3235), (579, 3265), (587, 3289), (647, 3463), (710, 3583),

Gene: Refuge_16 Start: 11531, Stop: 13000, Start Num: 74

Candidate Starts for Refuge_16:

(Start: 74 @11531 has 530 MA's), (129, 11591), (167, 11678), (174, 11696), (223, 11810), (252, 11906), (288, 11978), (301, 12011), (419, 12152), (452, 12239), (459, 12266), (461, 12272), (467, 12293), (468, 12299), (486, 12344), (601, 12638), (607, 12656), (612, 12674), (617, 12686), (621, 12695), (640, 12755), (662, 12812), (677, 12842), (680, 12851), (685, 12872), (706, 12896), (755, 12974),

Gene: Reindeer_13 Start: 6131, Stop: 7753, Start Num: 55

Candidate Starts for Reindeer_13:

(Start: 55 @6131 has 21 MA's), (Start: 62 @6146 has 13 MA's), (135, 6254), (165, 6320), (175, 6353), (181, 6365), (187, 6383), (188, 6389), (195, 6416), (197, 6422), (231, 6494), (233, 6500), (241, 6530), (242, 6533), (267, 6611), (271, 6617), (273, 6620), (283, 6638), (411, 6794), (421, 6812), (425, 6824), (447, 6872), (449, 6881), (463, 6929), (464, 6932), (495, 7001), (533, 7055), (541, 7091), (558, 7142), (560, 7145), (571, 7175), (573, 7178), (575, 7184), (576, 7199), (593, 7250), (595, 7253), (600, 7274), (601, 7277), (623, 7328), (650, 7415), (672, 7466), (709, 7526), (710, 7529), (727, 7556), (747, 7592), (751, 7598), (757, 7613), (762, 7625), (777, 7709),

Gene: Relief_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for Relief_12:

(Start: 74 @8579 has 530 MA's), (170, 8726), (174, 8738), (239, 8906), (246, 8936), (265, 8975), (276, 8993), (301, 9053), (414, 9182), (421, 9200), (459, 9311), (461, 9317), (467, 9338), (468, 9344), (496, 9413), (528, 9473), (544, 9518), (584, 9644), (585, 9647), (601, 9698), (603, 9704), (608, 9719), (617, 9749), (647, 9839), (662, 9875), (677, 9905), (685, 9935),

Gene: Remus_15 Start: 8341, Stop: 9801, Start Num: 74

Candidate Starts for Remus_15:

(Start: 74 @8341 has 530 MA's), (129, 8401), (174, 8506), (196, 8572), (271, 8755), (288, 8788), (301, 8821), (452, 9052), (459, 9079), (461, 9085), (467, 9106), (474, 9127), (486, 9157), (501, 9181), (544, 9271), (555, 9301), (584, 9397), (593, 9424), (601, 9451), (607, 9469), (608, 9472), (617, 9505), (621, 9514), (662, 9631), (677, 9661), (706, 9715),

Gene: Remy19_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Remy19_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Renaissance_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Renaissance_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Renaud18_3 Start: 2233, Stop: 3708, Start Num: 62

Candidate Starts for Renaud18_3:

(Start: 62 @2233 has 13 MA's), (70, 2245), (88, 2266), (Start: 106 @2287 has 46 MA's), (177, 2434), (184, 2446), (189, 2467), (190, 2470), (223, 2530), (231, 2557), (239, 2584), (269, 2656), (276, 2659),

(277, 2662), (281, 2668), (289, 2692), (298, 2710), (318, 2752), (334, 2764), (337, 2767), (363, 2800), (382, 2824), (391, 2830), (422, 2863), (424, 2869), (440, 2905), (449, 2935), (450, 2938), (452, 2944), (461, 2977), (475, 3022), (481, 3040), (486, 3049), (514, 3112), (523, 3133), (532, 3160), (547, 3211), (555, 3232), (565, 3265), (568, 3274), (583, 3325), (584, 3328), (596, 3364), (603, 3388), (605, 3394), (606, 3397), (616, 3427), (628, 3445), (647, 3520), (656, 3541), (678, 3586), (712, 3634),

Gene: Reptar3000_10 Start: 3838, Stop: 5439, Start Num: 49

Candidate Starts for Reptar3000_10:

(Start: 49 @3838 has 25 MA's), (Start: 50 @3853 has 160 MA's), (60, 3877), (109, 3943), (135, 3988), (Start: 166 @4060 has 2 MA's), (184, 4108), (186, 4117), (187, 4120), (189, 4129), (197, 4159), (231, 4228), (237, 4249), (241, 4264), (246, 4285), (248, 4291), (271, 4315), (288, 4351), (294, 4366), (315, 4405), (399, 4540), (404, 4549), (414, 4567), (424, 4594), (425, 4597), (441, 4630), (452, 4663), (457, 4684), (464, 4705), (517, 4768), (526, 4792), (535, 4816), (546, 4864), (550, 4876), (555, 4888), (557, 4894), (571, 4933), (605, 5047), (607, 5053), (650, 5224), (661, 5251), (664, 5260), (693, 5323), (704, 5335),

Gene: ResDef_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for ResDef_13:

(Start: 74 @8738 has 530 MA's), (117, 8777), (174, 8903), (204, 8987), (233, 9050), (242, 9083), (246, 9101), (265, 9140), (281, 9167), (301, 9218), (414, 9344), (418, 9356), (424, 9371), (425, 9374), (452, 9446), (459, 9473), (461, 9479), (467, 9500), (468, 9506), (477, 9530), (496, 9572), (544, 9677), (584, 9803), (585, 9806), (601, 9857), (603, 9863), (608, 9878), (617, 9908), (662, 10034), (677, 10064), (687, 10094),

Gene: Retro23_13 Start: 9321, Stop: 10784, Start Num: 74

Candidate Starts for Retro23_13:

(Start: 74 @9321 has 530 MA's), (129, 9381), (174, 9486), (246, 9684), (288, 9768), (301, 9801), (388, 9912), (452, 10029), (459, 10056), (461, 10062), (467, 10083), (468, 10089), (486, 10134), (547, 10257), (601, 10428), (607, 10446), (608, 10449), (617, 10476), (621, 10485), (662, 10602), (677, 10632), (685, 10662),

Gene: RexFury_9 Start: 4866, Stop: 6311, Start Num: 74

Candidate Starts for RexFury_9:

(Start: 74 @4866 has 530 MA's), (185, 5043), (190, 5064), (197, 5091), (204, 5106), (233, 5169), (271, 5268), (281, 5283), (363, 5412), (421, 5475), (424, 5484), (455, 5571), (457, 5580), (459, 5586), (474, 5634), (500, 5688), (511, 5703), (516, 5712), (544, 5778), (547, 5787), (550, 5796), (593, 5931), (607, 5976), (608, 5979), (640, 6072), (662, 6129), (677, 6159), (685, 6186), (696, 6198), (702, 6204),

Gene: Rey_19 Start: 7070, Stop: 8671, Start Num: 55

Candidate Starts for Rey_19:

(Start: 55 @7070 has 21 MA's), (165, 7259), (175, 7292), (181, 7304), (195, 7355), (197, 7361), (231, 7433), (233, 7439), (241, 7469), (246, 7490), (267, 7526), (273, 7535), (283, 7553), (463, 7844), (464, 7847), (541, 8006), (558, 8057), (560, 8060), (571, 8090), (575, 8099), (593, 8165), (595, 8168), (601, 8192), (628, 8252), (650, 8330), (709, 8441), (751, 8513),

Gene: Rhodalysa_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Rhodalysa_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: RhynO_13 Start: 8532, Stop: 9977, Start Num: 74

Candidate Starts for RhynO_13:

(Start: 74 @8532 has 530 MA's), (90, 8544), (174, 8691), (233, 8838), (242, 8871), (246, 8889), (248, 8895), (264, 8928), (301, 9009), (308, 9021), (418, 9147), (425, 9165), (452, 9237), (458, 9261), (459, 9264), (461, 9270), (467, 9291), (544, 9471), (584, 9597), (585, 9600), (601, 9651), (603, 9657), (608, 9672), (617, 9702), (621, 9711), (647, 9792), (662, 9828), (677, 9858), (702, 9909), (705, 9912),

Gene: Rhynn_12 Start: 8733, Stop: 10175, Start Num: 112

Candidate Starts for Rhynn_12:

(64, 8667), (Start: 112 @8733 has 204 MA's), (195, 8931), (288, 9144), (421, 9339), (425, 9351), (459, 9450), (484, 9522), (547, 9645), (561, 9684), (584, 9762), (586, 9768), (601, 9816), (605, 9828), (608, 9837), (639, 9927), (677, 10017), (687, 10050), (696, 10062),

Gene: Rialto_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for Rialto_4:

(Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (336, 2704), (366, 2746), (397, 2797), (406, 2815), (421, 2848), (424, 2857), (425, 2860), (447, 2908), (449, 2917), (457, 2947), (463, 2965), (473, 2998), (526, 3055), (550, 3139), (557, 3157), (565, 3184), (571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (601, 3298), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532), (728, 3580),

Gene: Richie_4 Start: 2275, Stop: 3612, Start Num: 111

Candidate Starts for Richie_4:

(44, 2152), (46, 2155), (Start: 55 @2197 has 21 MA's), (60, 2209), (Start: 96 @2263 has 3 MA's), (Start: 111 @2275 has 22 MA's), (138, 2323), (165, 2386), (170, 2398), (277, 2656), (301, 2713), (328, 2761), (415, 2848), (418, 2857), (430, 2884), (457, 2965), (461, 2977), (462, 2980), (468, 3004), (513, 3097), (547, 3172), (565, 3226), (584, 3289), (587, 3298), (604, 3352), (619, 3391), (640, 3457), (677, 3538), (681, 3547), (716, 3598),

Gene: Richo_9 Start: 3102, Stop: 4652, Start Num: 50

Candidate Starts for Richo_9:

(31, 2997), (Start: 49 @3087 has 25 MA's), (Start: 50 @3102 has 160 MA's), (131, 3204), (Start: 166 @3285 has 2 MA's), (174, 3309), (188, 3351), (231, 3453), (237, 3474), (241, 3489), (288, 3579), (294, 3594), (333, 3669), (366, 3714), (385, 3744), (395, 3759), (396, 3765), (404, 3783), (421, 3819), (425, 3831), (441, 3864), (452, 3897), (457, 3918), (462, 3933), (464, 3939), (473, 3969), (517, 4002), (525, 4020), (546, 4098), (550, 4110), (552, 4113), (556, 4125), (557, 4128), (573, 4164), (600, 4260), (601, 4263), (607, 4281), (628, 4323), (639, 4374), (650, 4398), (660, 4422), (661, 4425), (664, 4434), (690, 4494), (720, 4530), (735, 4557),

Gene: RidgeCB_12 Start: 8260, Stop: 9702, Start Num: 112

Candidate Starts for RidgeCB_12:

(64, 8194), (Start: 112 @8260 has 204 MA's), (195, 8458), (288, 8671), (421, 8866), (425, 8878), (459, 8977), (484, 9049), (547, 9172), (561, 9211), (584, 9289), (586, 9295), (601, 9343), (605, 9355), (608, 9364), (639, 9454), (677, 9544), (687, 9577), (696, 9589),

Gene: Rifter_16 Start: 9257, Stop: 10723, Start Num: 74

Candidate Starts for Rifter_16:

(Start: 74 @9257 has 530 MA's), (97, 9278), (129, 9317), (167, 9404), (171, 9416), (174, 9422), (288, 9704), (315, 9758), (434, 9917), (452, 9968), (459, 9995), (461, 10001), (467, 10022), (561, 10235), (608, 10388), (612, 10403), (617, 10415), (621, 10424), (641, 10490), (649, 10511), (662, 10541), (677, 10571), (685, 10601),

Gene: Rileysaurus_3 Start: 1885, Stop: 3210, Start Num: 106

Candidate Starts for Rileysaurus_3:

(Start: 106 @1885 has 46 MA's), (113, 1891), (118, 1900), (128, 1918), (139, 1939), (157, 1990), (165, 1999), (174, 2023), (180, 2032), (184, 2041), (185, 2044), (190, 2065), (192, 2074), (227, 2134), (237, 2173), (244, 2200), (246, 2209), (260, 2239), (302, 2314), (304, 2317), (306, 2320), (338, 2362), (348, 2374), (415, 2431), (424, 2455), (425, 2458), (430, 2467), (459, 2557), (463, 2569), (474, 2605), (477, 2614), (499, 2656), (506, 2665), (534, 2707), (547, 2752), (554, 2770), (576, 2845), (584, 2869), (603, 2929), (608, 2944), (628, 2989), (639, 3040), (648, 3067), (658, 3088), (659, 3091), (662, 3097), (670, 3115), (678, 3130), (679, 3133), (689, 3163),

Gene: Ringer_12 Start: 8931, Stop: 10373, Start Num: 112

Candidate Starts for Ringer_12:

(64, 8865), (Start: 112 @8931 has 204 MA's), (195, 9129), (288, 9342), (421, 9537), (459, 9648), (547, 9843), (561, 9882), (584, 9960), (586, 9966), (600, 10011), (601, 10014), (605, 10026), (608, 10035), (639, 10125), (677, 10215), (687, 10248), (696, 10260),

Gene: Roary_10 Start: 7422, Stop: 8852, Start Num: 75

Candidate Starts for Roary_10:

(Start: 75 @7422 has 72 MA's), (173, 7572), (288, 7854), (363, 7965), (421, 8028), (440, 8073), (459, 8139), (467, 8166), (544, 8331), (576, 8433), (601, 8511), (603, 8517), (621, 8568), (662, 8685), (677, 8715), (706, 8769),

Gene: RockScotty_3 Start: 2307, Stop: 3875, Start Num: 101

Candidate Starts for RockScotty_3:

(Start: 101 @2307 has 12 MA's), (Start: 166 @2433 has 2 MA's), (246, 2658), (266, 2694), (273, 2703), (283, 2721), (318, 2796), (351, 2820), (421, 2925), (552, 3231), (555, 3240), (561, 3258), (565, 3273), (566, 3276), (647, 3516), (745, 3690),

Gene: Rockstar_12 Start: 8064, Stop: 9530, Start Num: 75

Candidate Starts for Rockstar_12:

(Start: 75 @8064 has 72 MA's), (117, 8109), (174, 8235), (204, 8319), (233, 8382), (242, 8415), (246, 8433), (265, 8472), (281, 8499), (418, 8688), (452, 8778), (458, 8802), (459, 8805), (461, 8811), (467, 8832), (468, 8838), (544, 9009), (584, 9135), (585, 9138), (601, 9189), (603, 9195), (608, 9210), (617, 9240), (662, 9366), (677, 9396), (687, 9426),

Gene: RockyHorror_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for RockyHorror_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Rohr_13 Start: 8939, Stop: 10381, Start Num: 112

Candidate Starts for Rohr_13:

(64, 8873), (Start: 112 @8939 has 204 MA's), (195, 9137), (288, 9350), (421, 9545), (422, 9548), (459, 9656), (484, 9728), (547, 9851), (561, 9890), (584, 9968), (586, 9974), (601, 10022), (605, 10034), (608, 10043), (639, 10133), (677, 10223), (687, 10256), (696, 10268),

Gene: Roksolana_16 Start: 9284, Stop: 10750, Start Num: 74

Candidate Starts for Roksolana_16:

(Start: 74 @9284 has 530 MA's), (97, 9305), (129, 9344), (167, 9431), (171, 9443), (174, 9449), (288, 9731), (315, 9785), (434, 9944), (452, 9995), (459, 10022), (461, 10028), (467, 10049), (561, 10262),

(608, 10415), (612, 10430), (617, 10442), (621, 10451), (641, 10517), (649, 10538), (662, 10568),
(677, 10598), (685, 10628),

Gene: Romney_12 Start: 8577, Stop: 10028, Start Num: 74

Candidate Starts for Romney_12:

(Start: 74 @8577 has 530 MA's), (170, 8724), (174, 8736), (239, 8904), (246, 8934), (265, 8973), (276, 8991), (301, 9051), (414, 9180), (421, 9198), (459, 9309), (461, 9315), (467, 9336), (468, 9342), (496, 9411), (528, 9471), (544, 9516), (584, 9642), (585, 9645), (601, 9696), (603, 9702), (608, 9717), (617, 9747), (647, 9837), (662, 9873), (667, 9885), (677, 9903), (685, 9933),

Gene: RonRayGun_4 Start: 2624, Stop: 4189, Start Num: 53

Candidate Starts for RonRayGun_4:

(39, 2567), (40, 2576), (42, 2579), (Start: 53 @2624 has 7 MA's), (60, 2642), (Start: 121 @2732 has 1 MA's), (127, 2741), (133, 2753), (184, 2870), (198, 2924), (204, 2936), (214, 2960), (243, 3035), (246, 3050), (253, 3062), (259, 3074), (288, 3113), (354, 3230), (362, 3239), (368, 3248), (418, 3296), (427, 3317), (445, 3362), (446, 3365), (459, 3413), (469, 3449), (495, 3506), (529, 3563), (555, 3647), (561, 3665), (578, 3728), (592, 3770), (601, 3800), (647, 3932), (668, 3983), (696, 4046), (705, 4055),

Gene: Ronaldo_38 Start: 12190, Stop: 13596, Start Num: 114

Candidate Starts for Ronaldo_38:

(Start: 114 @12190 has 8 MA's), (137, 12229), (155, 12277), (181, 12337), (231, 12463), (248, 12526), (250, 12532), (286, 12577), (361, 12712), (406, 12781), (444, 12862), (450, 12883), (457, 12910), (517, 12994), (550, 13102), (590, 13225), (599, 13255), (600, 13258), (640, 13366), (641, 13372), (655, 13402), (660, 13411), (661, 13414), (664, 13423), (706, 13495), (713, 13504), (722, 13519),

Gene: Roosevelt_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Roosevelt_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Rosa24_11 Start: 8553, Stop: 10004, Start Num: 74

Candidate Starts for Rosa24_11:

(Start: 74 @8553 has 530 MA's), (174, 8712), (239, 8880), (246, 8910), (265, 8949), (276, 8967), (301, 9027), (414, 9156), (421, 9174), (425, 9186), (459, 9285), (461, 9291), (467, 9312), (468, 9318), (496, 9387), (528, 9447), (584, 9618), (585, 9621), (601, 9672), (603, 9678), (608, 9693), (617, 9723), (647, 9813), (662, 9849), (677, 9879), (685, 9909),

Gene: Rosalind_15 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for Rosalind_15:

(Start: 74 @8502 has 530 MA's), (129, 8562), (174, 8667), (196, 8733), (271, 8916), (288, 8949), (301, 8982), (452, 9213), (459, 9240), (461, 9246), (467, 9267), (474, 9288), (486, 9318), (501, 9342), (555, 9462), (584, 9558), (593, 9585), (601, 9612), (607, 9630), (608, 9633), (617, 9666), (621, 9675), (662, 9792), (677, 9822), (706, 9876),

Gene: Rose5_5 Start: 2625, Stop: 4298, Start Num: 84

Candidate Starts for Rose5_5:

(Start: 84 @2625 has 64 MA's), (131, 2688), (150, 2742), (165, 2766), (189, 2835), (195, 2859), (231, 2937), (241, 2973), (286, 3066), (287, 3069), (327, 3144), (372, 3183), (421, 3246), (432, 3273), (433, 3276), (444, 3297), (450, 3318), (462, 3360), (463, 3363), (520, 3465), (526, 3480), (528, 3486), (552, 3567), (561, 3594), (562, 3600), (592, 3693), (600, 3720), (603, 3729), (628, 3783), (633, 3804), (638, 3825), (647, 3852), (650, 3861), (677, 3921), (690, 3951), (698, 3960), (762, 4068), (782, 4263),

Gene: Rosmarinus_9 Start: 3055, Stop: 4623, Start Num: 49

Candidate Starts for Rosmarinus_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Rowa_3 Start: 2274, Stop: 3710, Start Num: 110

Candidate Starts for Rowa_3:

(Start: 91 @2250 has 1 MA's), (Start: 107 @2268 has 1 MA's), (Start: 110 @2274 has 3 MA's), (154, 2373), (188, 2454), (196, 2484), (280, 2688), (287, 2706), (310, 2760), (327, 2790), (387, 2859), (411, 2871), (422, 2895), (425, 2904), (436, 2928), (462, 3006), (468, 3030), (474, 3045), (477, 3054), (501, 3114), (546, 3216), (571, 3285), (584, 3333), (601, 3387), (620, 3441), (627, 3450), (646, 3525), (655, 3552), (677, 3594),

Gene: Rowdy_15 Start: 8443, Stop: 9888, Start Num: 74

Candidate Starts for Rowdy_15:

(Start: 74 @8443 has 530 MA's), (90, 8455), (174, 8602), (233, 8749), (242, 8782), (246, 8800), (248, 8806), (264, 8839), (301, 8920), (308, 8932), (418, 9058), (425, 9076), (452, 9148), (458, 9172), (459, 9175), (461, 9181), (467, 9202), (544, 9382), (584, 9508), (585, 9511), (601, 9562), (603, 9568), (608, 9583), (617, 9613), (621, 9622), (647, 9703), (662, 9739), (677, 9769), (702, 9820), (705, 9823),

Gene: Rubeus_13 Start: 8765, Stop: 10207, Start Num: 112

Candidate Starts for Rubeus_13:

(64, 8699), (Start: 112 @8765 has 204 MA's), (195, 8963), (288, 9176), (421, 9371), (425, 9383), (459, 9482), (547, 9677), (561, 9716), (584, 9794), (586, 9800), (601, 9848), (605, 9860), (608, 9869), (639, 9959), (677, 10049), (687, 10082), (696, 10094),

Gene: Rufus_13 Start: 8822, Stop: 10264, Start Num: 112

Candidate Starts for Rufus_13:

(64, 8756), (Start: 112 @8822 has 204 MA's), (195, 9020), (288, 9233), (421, 9428), (425, 9440), (459, 9539), (547, 9734), (561, 9773), (584, 9851), (586, 9857), (600, 9902), (601, 9905), (605, 9917), (608, 9926), (621, 9959), (639, 10016), (677, 10106), (687, 10139), (696, 10151),

Gene: Ruin_12 Start: 8577, Stop: 10028, Start Num: 74

Candidate Starts for Ruin_12:

(Start: 74 @8577 has 530 MA's), (170, 8724), (174, 8736), (239, 8904), (246, 8934), (265, 8973), (276, 8991), (301, 9051), (414, 9180), (421, 9198), (459, 9309), (461, 9315), (467, 9336), (468, 9342), (496, 9411), (528, 9471), (544, 9516), (584, 9642), (585, 9645), (601, 9696), (603, 9702), (608, 9717), (617, 9747), (647, 9837), (662, 9873), (667, 9885), (677, 9903), (685, 9933),

Gene: Rummer_14 Start: 8738, Stop: 10192, Start Num: 74

Candidate Starts for Rummer_14:

(Start: 74 @8738 has 530 MA's), (Start: 114 @8768 has 8 MA's), (129, 8795), (174, 8900), (223, 9014), (242, 9080), (265, 9137), (301, 9215), (303, 9218), (421, 9359), (459, 9470), (461, 9476), (467, 9497), (544, 9662), (584, 9788), (601, 9842), (603, 9848), (608, 9863), (621, 9899), (649, 9986), (662, 10016), (677, 10046), (696, 10091), (706, 10100),

Gene: Rumpelstiltskin_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Rumpelstiltskin_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (144, 2734), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (520, 3478), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Ruotula_11 Start: 8881, Stop: 10323, Start Num: 112

Candidate Starts for Ruotula_11:

(64, 8815), (Start: 112 @8881 has 204 MA's), (195, 9079), (288, 9292), (421, 9487), (425, 9499), (459, 9598), (547, 9793), (561, 9832), (584, 9910), (586, 9916), (601, 9964), (605, 9976), (608, 9985), (639, 10075), (677, 10165), (687, 10198), (696, 10210),

Gene: Rusticus_8 Start: 4241, Stop: 5683, Start Num: 108

Candidate Starts for Rusticus_8:

(Start: 96 @4232 has 3 MA's), (Start: 99 @4235 has 4 MA's), (Start: 108 @4241 has 156 MA's), (Start: 166 @4358 has 2 MA's), (184, 4406), (190, 4430), (312, 4724), (346, 4766), (364, 4793), (446, 4919), (449, 4931), (477, 5024), (520, 5102), (535, 5147), (549, 5204), (558, 5228), (631, 5441), (747, 5669),

Gene: Rutherferd_14 Start: 9283, Stop: 10725, Start Num: 112

Candidate Starts for Rutherferd_14:

(64, 9217), (Start: 112 @9283 has 204 MA's), (195, 9481), (288, 9694), (421, 9889), (424, 9898), (459, 10000), (484, 10072), (547, 10195), (584, 10312), (586, 10318), (601, 10366), (605, 10378), (608, 10387), (639, 10477), (677, 10567), (687, 10600), (696, 10612),

Gene: Ruthiejr_9 Start: 3658, Stop: 5238, Start Num: 50

Candidate Starts for Ruthiejr_9:

(Start: 49 @3643 has 25 MA's), (Start: 50 @3658 has 160 MA's), (60, 3682), (109, 3745), (160, 3853), (Start: 166 @3862 has 2 MA's), (186, 3919), (188, 3928), (189, 3931), (197, 3961), (231, 4030), (237, 4051), (246, 4087), (248, 4093), (271, 4117), (294, 4168), (315, 4207), (351, 4264), (399, 4342), (400, 4345), (404, 4351), (414, 4369), (424, 4396), (425, 4399), (441, 4432), (452, 4465), (457, 4486), (464, 4507), (517, 4570), (526, 4594), (535, 4618), (546, 4666), (550, 4678), (557, 4696), (571, 4735), (576, 4759), (603, 4843), (605, 4849), (607, 4855), (618, 4924), (628, 4948), (650, 5023), (661, 5050), (664, 5059), (681, 5095), (693, 5122), (704, 5134),

Gene: RyeScarlet_15 Start: 9929, Stop: 11416, Start Num: 74

Candidate Starts for RyeScarlet_15:

(Start: 74 @9929 has 530 MA's), (129, 9992), (174, 10097), (197, 10166), (252, 10307), (271, 10346), (288, 10379), (301, 10412), (421, 10556), (452, 10640), (459, 10667), (461, 10673), (467, 10694), (477, 10724), (486, 10745), (501, 10769), (511, 10784), (601, 11039), (607, 11057), (617, 11087), (619, 11090), (621, 11096), (659, 11207), (662, 11213), (677, 11243), (696, 11288), (706, 11297),

Gene: SKKY_3 Start: 1893, Stop: 3218, Start Num: 106

Candidate Starts for SKKY_3:

(Start: 106 @1893 has 46 MA's), (118, 1908), (128, 1926), (139, 1947), (157, 1998), (165, 2007), (167, 2013), (174, 2031), (180, 2040), (184, 2049), (185, 2052), (190, 2073), (192, 2082), (227, 2142), (237, 2181), (239, 2187), (244, 2208), (246, 2217), (260, 2247), (261, 2250), (296, 2310), (304, 2325), (306, 2328), (335, 2367), (338, 2370), (348, 2382), (366, 2394), (417, 2445), (424, 2463), (425, 2466), (430, 2475), (456, 2553), (459, 2565), (463, 2577), (477, 2622), (499, 2664), (506, 2673), (509, 2682), (534, 2715), (537, 2730), (547, 2760), (550, 2769), (554, 2778), (576, 2853), (584, 2877), (598, 2922), (603, 2937), (608, 2952), (628, 2997), (639, 3048), (658, 3096), (659, 3099), (662, 3105), (663, 3108), (665, 3114), (670, 3123), (678, 3138), (679, 3141), (689, 3171),

Gene: STLscum_13 Start: 8852, Stop: 10294, Start Num: 112

Candidate Starts for STLscum_13:

(64, 8786), (Start: 112 @8852 has 204 MA's), (195, 9050), (288, 9263), (421, 9458), (459, 9569), (547, 9764), (561, 9803), (584, 9881), (586, 9887), (601, 9935), (605, 9947), (608, 9956), (621, 9989), (639, 10046), (677, 10136), (687, 10169), (696, 10181),

Gene: Sabertooth_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Sabertooth_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Sabia_14 Start: 8647, Stop: 10101, Start Num: 74

Candidate Starts for Sabia_14:

(Start: 74 @8647 has 530 MA's), (Start: 114 @8677 has 8 MA's), (129, 8704), (174, 8809), (223, 8923), (242, 8989), (265, 9046), (301, 9124), (303, 9127), (421, 9268), (459, 9379), (461, 9385), (467, 9406), (544, 9571), (584, 9697), (601, 9751), (603, 9757), (608, 9772), (621, 9808), (649, 9895), (662, 9925), (677, 9955), (696, 10000), (706, 10009),

Gene: Sabinator_14 Start: 8682, Stop: 10106, Start Num: 114

Candidate Starts for Sabinator_14:

(Start: 74 @8652 has 530 MA's), (Start: 114 @8682 has 8 MA's), (129, 8709), (174, 8814), (223, 8928), (242, 8994), (265, 9051), (301, 9129), (303, 9132), (421, 9273), (459, 9384), (461, 9390), (467, 9411), (544, 9576), (584, 9702), (601, 9756), (603, 9762), (608, 9777), (621, 9813), (649, 9900), (662, 9930), (677, 9960), (696, 10005), (706, 10014),

Gene: Sabourin_3 Start: 2306, Stop: 3871, Start Num: 100

Candidate Starts for Sabourin_3:

(Start: 100 @2306 has 21 MA's), (Start: 166 @2432 has 2 MA's), (246, 2657), (266, 2693), (273, 2702), (318, 2795), (351, 2819), (421, 2924), (561, 3257), (565, 3272), (566, 3275), (647, 3515), (745, 3689), (775, 3803), (778, 3836),

Gene: Sachima_12 Start: 9893, Stop: 11380, Start Num: 74

Candidate Starts for Sachima_12:

(Start: 74 @9893 has 530 MA's), (129, 9956), (174, 10061), (197, 10130), (252, 10271), (271, 10310), (288, 10343), (301, 10376), (421, 10520), (435, 10556), (440, 10565), (452, 10604), (459, 10631), (461, 10637), (467, 10658), (468, 10664), (486, 10709), (501, 10733), (511, 10748), (601, 11003), (607, 11021), (617, 11051), (619, 11054), (621, 11060), (659, 11171), (662, 11177), (677, 11207), (696, 11252), (706, 11261),

Gene: Saftant_7 Start: 4208, Stop: 5632, Start Num: 108

Candidate Starts for Saftant_7:

(Start: 108 @4208 has 156 MA's), (Start: 166 @4325 has 2 MA's), (184, 4373), (187, 4385), (231, 4520), (364, 4760), (398, 4793), (401, 4799), (449, 4898), (470, 4973), (477, 4991), (503, 5030), (520, 5066), (535, 5111), (549, 5168), (583, 5273), (631, 5405), (680, 5537), (697, 5567), (738, 5612), (744, 5618),

Gene: Sagefire_13 Start: 9534, Stop: 10976, Start Num: 112

Candidate Starts for Sagefire_13:

(64, 9468), (Start: 112 @9534 has 204 MA's), (195, 9732), (288, 9945), (421, 10140), (425, 10152), (459, 10251), (484, 10323), (547, 10446), (561, 10485), (584, 10563), (586, 10569), (601, 10617), (605, 10629), (608, 10638), (639, 10728), (677, 10818), (687, 10851), (696, 10863),

Gene: Saintus_10 Start: 7435, Stop: 8865, Start Num: 75

Candidate Starts for Saintus_10:

(Start: 75 @7435 has 72 MA's), (173, 7585), (233, 7732), (288, 7867), (312, 7918), (363, 7978), (365, 7981), (421, 8041), (435, 8077), (459, 8152), (467, 8179), (477, 8209), (544, 8344), (576, 8446), (601, 8524), (603, 8530), (621, 8581), (662, 8698), (677, 8728), (706, 8782),

Gene: Sakai_4 Start: 2275, Stop: 3606, Start Num: 111

Candidate Starts for Sakai_4:

(Start: 96 @2263 has 3 MA's), (Start: 111 @2275 has 22 MA's), (117, 2284), (165, 2386), (170, 2398), (227, 2539), (239, 2584), (243, 2599), (248, 2620), (281, 2656), (288, 2674), (328, 2755), (365, 2800), (430, 2878), (457, 2959), (461, 2971), (462, 2974), (468, 2998), (485, 3040), (542, 3151), (547, 3166), (559, 3196), (587, 3292), (677, 3532), (678, 3535), (681, 3541), (716, 3592),

Gene: Salz_13 Start: 9781, Stop: 11238, Start Num: 74

Candidate Starts for Salz_13:

(Start: 74 @9781 has 530 MA's), (120, 9826), (129, 9841), (174, 9946), (288, 10228), (301, 10261), (425, 10417), (452, 10489), (459, 10516), (461, 10522), (467, 10543), (486, 10594), (592, 10858), (601, 10888), (608, 10909), (612, 10924), (617, 10936), (621, 10945), (649, 11032), (662, 11062), (677, 11092), (685, 11122), (736, 11188),

Gene: SamScheppers_8 Start: 3532, Stop: 5115, Start Num: 50

Candidate Starts for SamScheppers_8:

(Start: 49 @3517 has 25 MA's), (Start: 50 @3532 has 160 MA's), (60, 3556), (109, 3622), (135, 3667), (Start: 166 @3739 has 2 MA's), (186, 3796), (188, 3805), (189, 3808), (197, 3838), (231, 3907), (237, 3928), (246, 3964), (248, 3970), (271, 3994), (288, 4030), (294, 4045), (315, 4084), (399, 4219), (404, 4228), (414, 4246), (424, 4273), (425, 4276), (441, 4309), (452, 4342), (457, 4363), (464, 4384), (517, 4447), (526, 4471), (535, 4495), (546, 4543), (550, 4555), (555, 4567), (557, 4573), (571, 4612), (605, 4726), (607, 4732), (650, 4900), (661, 4927), (664, 4936), (693, 4999), (704, 5011),

Gene: Samty_6 Start: 2752, Stop: 4395, Start Num: 84

Candidate Starts for Samty_6:

(Start: 84 @2752 has 64 MA's), (128, 2812), (189, 2962), (197, 2992), (231, 3064), (249, 3130), (278, 3178), (327, 3271), (372, 3310), (418, 3367), (421, 3373), (432, 3400), (437, 3409), (444, 3424), (528, 3613), (538, 3646), (548, 3685), (562, 3727), (628, 3910), (638, 3952), (647, 3979), (650, 3988), (677, 4048), (690, 4078), (698, 4087), (747, 4162), (762, 4195),

Gene: SamuelLPlaqson_9 Start: 2999, Stop: 4546, Start Num: 50

Candidate Starts for SamuelLPlaqson_9:

(31, 2897), (Start: 49 @2984 has 25 MA's), (Start: 50 @2999 has 160 MA's), (Start: 68 @3026 has 1 MA's), (128, 3095), (131, 3104), (135, 3113), (160, 3176), (Start: 166 @3185 has 2 MA's), (174, 3209), (186, 3242), (197, 3284), (231, 3353), (237, 3374), (246, 3410), (288, 3479), (291, 3491), (333, 3569), (351, 3590), (370, 3620), (385, 3644), (441, 3764), (452, 3797), (457, 3818), (464, 3839), (473, 3869), (517, 3902), (525, 3920), (546, 3998), (550, 4010), (552, 4013), (556, 4025), (557, 4028), (573, 4064), (585, 4112), (601, 4163), (607, 4181), (640, 4277), (650, 4298), (661, 4325), (664, 4334), (717, 4424),

Gene: Samy_6 Start: 3515, Stop: 5041, Start Num: 72

Candidate Starts for Samy_6:

(Start: 72 @3515 has 1 MA's), (Start: 87 @3536 has 9 MA's), (177, 3716), (195, 3773), (270, 3989), (275, 3995), (344, 4130), (421, 4223), (462, 4337), (465, 4346), (529, 4475), (547, 4526), (552, 4538), (601, 4694), (640, 4808), (652, 4847), (655, 4856), (676, 4886), (684, 4913), (707, 4943), (742, 4997),

Gene: Sandaddy_11 Start: 8657, Stop: 10099, Start Num: 112

Candidate Starts for Sandaddy_11:

(64, 8591), (Start: 112 @8657 has 204 MA's), (195, 8855), (288, 9068), (421, 9263), (425, 9275), (459, 9374), (547, 9569), (561, 9608), (584, 9686), (586, 9692), (601, 9740), (605, 9752), (608, 9761), (639, 9851), (677, 9941), (687, 9974), (696, 9986),

Gene: Sanya_11 Start: 9319, Stop: 10761, Start Num: 112

Candidate Starts for Sanya_11:

(64, 9253), (Start: 112 @9319 has 204 MA's), (195, 9517), (288, 9730), (421, 9925), (425, 9937), (459, 10036), (547, 10231), (561, 10270), (584, 10348), (586, 10354), (601, 10402), (605, 10414), (608, 10423), (639, 10513), (677, 10603), (687, 10636), (696, 10648),

Gene: SarFire_12 Start: 8518, Stop: 9960, Start Num: 112

Candidate Starts for SarFire_12:

(64, 8452), (Start: 112 @8518 has 204 MA's), (195, 8716), (288, 8929), (421, 9124), (425, 9136), (459, 9235), (547, 9430), (561, 9469), (584, 9547), (586, 9553), (601, 9601), (605, 9613), (608, 9622), (621, 9655), (639, 9712), (677, 9802), (687, 9835), (696, 9847),

Gene: SarahRose_7 Start: 4055, Stop: 5491, Start Num: 108

Candidate Starts for SarahRose_7:

(Start: 99 @4049 has 4 MA's), (Start: 108 @4055 has 156 MA's), (123, 4079), (136, 4103), (Start: 166 @4172 has 2 MA's), (184, 4220), (187, 4232), (197, 4271), (249, 4424), (312, 4538), (346, 4580), (364, 4607), (398, 4640), (401, 4646), (446, 4736), (449, 4748), (470, 4823), (477, 4841), (520, 4919), (535, 4964), (549, 5021), (623, 5234), (631, 5258), (680, 5390), (726, 5456), (747, 5477),

Gene: Sarma624_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Sarma624_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Sarshaun_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Sarshaun_5:

(Start: 84 @2638 has 64 MA's), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Sashimi_4 Start: 2274, Stop: 3605, Start Num: 111

Candidate Starts for Sashimi_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (117, 2283), (165, 2385), (170, 2397), (227, 2538), (239, 2583), (243, 2598), (248, 2619), (277, 2649), (281, 2655), (288, 2673), (328, 2754), (365, 2799), (430, 2877), (457, 2958), (461, 2970), (462, 2973), (468, 2997), (485, 3039), (547, 3165), (587, 3291), (649, 3471), (677, 3531), (678, 3534), (681, 3540), (716, 3591),

Gene: SaturnRing_12 Start: 8193, Stop: 9659, Start Num: 75

Candidate Starts for SaturnRing_12:

(Start: 75 @8193 has 72 MA's), (174, 8364), (204, 8448), (233, 8511), (242, 8544), (246, 8562), (265, 8601), (281, 8628), (300, 8676), (418, 8817), (422, 8826), (452, 8907), (458, 8931), (459, 8934), (461,

8940), (466, 8958), (467, 8961), (468, 8967), (544, 9138), (584, 9264), (585, 9267), (601, 9318), (603, 9324), (608, 9339), (617, 9369), (662, 9495), (677, 9525), (687, 9555),

Gene: Scamp_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Scamp_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Scarlett_8 Start: 2917, Stop: 4461, Start Num: 50

Candidate Starts for Scarlett_8:

(31, 2812), (Start: 49 @2902 has 25 MA's), (Start: 50 @2917 has 160 MA's), (70, 2953), (92, 2971), (124, 3016), (131, 3028), (135, 3037), (Start: 166 @3109 has 2 MA's), (174, 3133), (181, 3151), (186, 3166), (188, 3175), (189, 3178), (237, 3298), (241, 3313), (247, 3337), (248, 3340), (294, 3418), (315, 3457), (333, 3493), (351, 3514), (376, 3553), (395, 3583), (399, 3598), (421, 3643), (424, 3652), (425, 3655), (441, 3688), (452, 3721), (457, 3742), (464, 3763), (473, 3793), (517, 3826), (525, 3844), (546, 3922), (550, 3934), (552, 3937), (556, 3949), (557, 3952), (600, 4084), (601, 4087), (607, 4105), (628, 4147), (637, 4186), (639, 4198), (650, 4222), (660, 4246), (661, 4249), (664, 4258), (671, 4270), (681, 4294), (735, 4381),

Gene: Scherzo_14 Start: 9926, Stop: 11413, Start Num: 74

Candidate Starts for Scherzo_14:

(Start: 74 @9926 has 530 MA's), (129, 9989), (174, 10094), (197, 10163), (252, 10304), (271, 10343), (288, 10376), (301, 10409), (421, 10553), (435, 10589), (440, 10598), (452, 10637), (459, 10664), (461, 10670), (467, 10691), (468, 10697), (486, 10742), (501, 10766), (511, 10781), (601, 11036), (607, 11054), (617, 11084), (619, 11087), (621, 11093), (659, 11204), (662, 11210), (677, 11240), (696, 11285), (706, 11294),

Gene: Schiebel_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Schiebel_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Scorpio_11 Start: 7736, Stop: 9169, Start Num: 75

Candidate Starts for Scorpio_11:

(Start: 75 @7736 has 72 MA's), (167, 7865), (185, 7904), (188, 7919), (252, 8093), (265, 8120), (288, 8165), (301, 8198), (315, 8219), (363, 8279), (424, 8351), (425, 8354), (452, 8426), (461, 8459), (467, 8480), (473, 8498), (477, 8510), (584, 8771), (601, 8825), (607, 8843), (621, 8882), (662, 8999), (677, 9029), (685, 9059), (696, 9074), (706, 9083),

Gene: Scout_12 Start: 7488, Stop: 8954, Start Num: 75

Candidate Starts for Scout_12:

(Start: 75 @7488 has 72 MA's), (117, 7533), (174, 7659), (197, 7728), (204, 7743), (233, 7806), (239, 7827), (242, 7839), (246, 7857), (265, 7896), (281, 7923), (418, 8112), (452, 8202), (458, 8226), (459, 8229), (461, 8235), (467, 8256), (544, 8433), (584, 8559), (585, 8562), (601, 8613), (603, 8619), (608, 8634), (617, 8664), (662, 8790), (677, 8820), (687, 8850),

Gene: Scowl_13 Start: 9210, Stop: 10652, Start Num: 112

Candidate Starts for Scowl_13:

(64, 9144), (Start: 112 @9210 has 204 MA's), (174, 9345), (195, 9408), (288, 9621), (421, 9816), (425, 9828), (459, 9927), (484, 9999), (547, 10122), (561, 10161), (565, 10176), (584, 10239), (586, 10245), (600, 10290), (601, 10293), (605, 10305), (608, 10314), (639, 10404), (677, 10494), (687, 10527), (696, 10539),

Gene: Seabiscuit_14 Start: 8739, Stop: 10181, Start Num: 112

Candidate Starts for Seabiscuit_14:

(64, 8673), (Start: 112 @8739 has 204 MA's), (195, 8937), (288, 9150), (421, 9345), (425, 9357), (459, 9456), (484, 9528), (547, 9651), (561, 9690), (584, 9768), (586, 9774), (601, 9822), (605, 9834), (608, 9843), (621, 9876), (639, 9933), (677, 10023), (687, 10056), (696, 10068),

Gene: Seagreen_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for Seagreen_4:

(Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (336, 2704), (366, 2746), (397, 2797), (406, 2815), (421, 2848), (424, 2857), (425, 2860), (447, 2908), (449, 2917), (457, 2947), (463, 2965), (473, 2998), (526, 3055), (550, 3139), (557, 3157), (565, 3184), (571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532), (728, 3580),

Gene: Seahorse_4 Start: 2274, Stop: 3608, Start Num: 111

Candidate Starts for Seahorse_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (126, 2295), (147, 2343), (158, 2373), (165, 2382), (170, 2394), (227, 2535), (231, 2553), (243, 2595), (277, 2652), (281, 2658), (288, 2676), (328, 2757), (350, 2778), (430, 2880), (457, 2961), (461, 2973), (462, 2976), (468, 3000), (485, 3042), (539, 3147), (547, 3168), (587, 3294), (600, 3336), (604, 3348), (619, 3387), (629, 3402), (677, 3534), (678, 3537), (681, 3543), (716, 3594),

Gene: Seanderson_13 Start: 9183, Stop: 10625, Start Num: 112

Candidate Starts for Seanderson_13:

(64, 9117), (Start: 112 @9183 has 204 MA's), (195, 9381), (288, 9594), (421, 9789), (459, 9900), (547, 10095), (561, 10134), (584, 10212), (586, 10218), (601, 10266), (605, 10278), (608, 10287), (639, 10377), (677, 10467), (687, 10500), (696, 10512),

Gene: SemperFi_15 Start: 9598, Stop: 11061, Start Num: 74

Candidate Starts for SemperFi_15:

(Start: 74 @9598 has 530 MA's), (129, 9658), (174, 9763), (246, 9961), (288, 10045), (301, 10078), (388, 10189), (452, 10306), (459, 10333), (461, 10339), (467, 10360), (468, 10366), (486, 10411), (547, 10534), (601, 10705), (607, 10723), (608, 10726), (617, 10753), (621, 10762), (662, 10879), (677, 10909), (685, 10939), (706, 10963),

Gene: SenorClean_11 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for SenorClean_11:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Sephiroth_14 Start: 6593, Stop: 8089, Start Num: 59

Candidate Starts for Sephiroth_14:

(Start: 59 @6593 has 72 MA's), (88, 6635), (90, 6638), (Start: 114 @6668 has 8 MA's), (123, 6686), (131, 6704), (195, 6875), (227, 6935), (231, 6953), (273, 7061), (278, 7070), (286, 7085), (288, 7094), (308, 7136), (421, 7262), (437, 7298), (462, 7376), (516, 7466), (526, 7487), (564, 7613), (565, 7616),

(576, 7652), (587, 7685), (601, 7730), (603, 7736), (622, 7778), (623, 7781), (628, 7790), (631, 7805), (639, 7841), (641, 7850), (643, 7856), (648, 7862), (655, 7883), (660, 7892), (682, 7943), (690, 7958), (695, 7964), (709, 7979),

Gene: Serenity_12 Start: 8157, Stop: 9614, Start Num: 74

Candidate Starts for Serenity_12:

(Start: 74 @8157 has 530 MA's), (97, 8178), (129, 8217), (174, 8322), (288, 8604), (301, 8637), (354, 8709), (425, 8793), (452, 8865), (459, 8892), (461, 8898), (467, 8919), (561, 9132), (593, 9237), (601, 9264), (608, 9285), (617, 9312), (621, 9321), (662, 9438), (677, 9468), (685, 9498), (706, 9522),

Gene: Severus_11 Start: 6469, Stop: 7929, Start Num: 74

Candidate Starts for Severus_11:

(Start: 74 @6469 has 530 MA's), (Start: 114 @6496 has 8 MA's), (146, 6562), (170, 6616), (174, 6628), (179, 6637), (197, 6697), (233, 6775), (242, 6808), (246, 6826), (264, 6865), (266, 6868), (301, 6946), (418, 7084), (425, 7102), (459, 7201), (461, 7207), (467, 7228), (468, 7234), (477, 7258), (496, 7309), (544, 7414), (584, 7540), (585, 7543), (601, 7594), (603, 7600), (608, 7615), (617, 7645), (621, 7654), (647, 7735), (662, 7771), (677, 7801), (702, 7852), (705, 7855),

Gene: SgtBeansprout_5 Start: 2283, Stop: 3839, Start Num: 50

Candidate Starts for SgtBeansprout_5:

(29, 2157), (31, 2178), (Start: 49 @2268 has 25 MA's), (Start: 50 @2283 has 160 MA's), (109, 2352), (119, 2367), (131, 2388), (Start: 166 @2469 has 2 MA's), (174, 2493), (186, 2526), (195, 2562), (231, 2637), (237, 2658), (241, 2673), (294, 2778), (327, 2844), (351, 2874), (383, 2928), (404, 2970), (421, 3006), (425, 3018), (441, 3051), (452, 3084), (464, 3126), (473, 3156), (517, 3189), (525, 3207), (526, 3213), (541, 3267), (546, 3285), (550, 3297), (556, 3312), (557, 3315), (569, 3348), (600, 3447), (601, 3450), (607, 3468), (628, 3510), (639, 3561), (640, 3564), (650, 3585), (660, 3609), (661, 3612), (664, 3621), (681, 3657), (684, 3672), (701, 3693),

Gene: ShaboiShabazz_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for ShaboiShabazz_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Shadow1_7 Start: 2862, Stop: 4412, Start Num: 50

Candidate Starts for Shadow1_7:

(28, 2730), (31, 2757), (Start: 49 @2847 has 25 MA's), (Start: 50 @2862 has 160 MA's), (70, 2892), (131, 2970), (Start: 166 @3051 has 2 MA's), (174, 3075), (188, 3117), (231, 3219), (237, 3240), (241, 3255), (248, 3282), (294, 3360), (315, 3399), (351, 3456), (395, 3525), (404, 3549), (421, 3585), (425, 3597), (441, 3630), (452, 3663), (457, 3684), (464, 3705), (473, 3735), (517, 3768), (525, 3786), (550, 3876), (552, 3879), (557, 3894), (573, 3930), (575, 3936), (585, 3978), (601, 4029), (607, 4047), (639, 4140), (640, 4143), (650, 4164), (660, 4188), (661, 4191), (664, 4200),

Gene: Shaffner_3 Start: 2261, Stop: 3796, Start Num: 101

Candidate Starts for Shaffner_3:

(Start: 101 @2261 has 12 MA's), (Start: 166 @2381 has 2 MA's), (197, 2480), (318, 2744), (343, 2759), (478, 3017), (558, 3182), (573, 3221), (579, 3251), (587, 3275), (647, 3449), (664, 3494), (704, 3560), (734, 3608), (749, 3638), (760, 3659), (765, 3683),

Gene: Shaka_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Shaka_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: ShakeltOph_3 Start: 2299, Stop: 3663, Start Num: 100

Candidate Starts for ShakeltOph_3:

(Start: 100 @2299 has 21 MA's), (160, 2413), (Start: 166 @2422 has 2 MA's), (197, 2521), (449, 2962), (450, 2965), (544, 3184), (573, 3262), (641, 3481), (647, 3490),

Gene: Sham4_13 Start: 9787, Stop: 11244, Start Num: 74

Candidate Starts for Sham4_13:

(Start: 74 @9787 has 530 MA's), (120, 9832), (129, 9847), (174, 9952), (288, 10234), (301, 10267), (425, 10423), (452, 10495), (459, 10522), (461, 10528), (467, 10549), (486, 10600), (592, 10864), (601, 10894), (608, 10915), (612, 10930), (617, 10942), (621, 10951), (649, 11038), (662, 11068), (677, 11098), (685, 11128), (736, 11194),

Gene: Shaobing_9 Start: 3102, Stop: 4652, Start Num: 50

Candidate Starts for Shaobing_9:

(31, 2997), (Start: 49 @3087 has 25 MA's), (Start: 50 @3102 has 160 MA's), (131, 3204), (Start: 166 @3285 has 2 MA's), (174, 3309), (188, 3351), (231, 3453), (237, 3474), (241, 3489), (288, 3579), (294, 3594), (333, 3669), (366, 3714), (385, 3744), (395, 3759), (396, 3765), (404, 3783), (421, 3819), (425, 3831), (441, 3864), (452, 3897), (457, 3918), (462, 3933), (464, 3939), (473, 3969), (517, 4002), (525, 4020), (546, 4098), (550, 4110), (552, 4113), (556, 4125), (557, 4128), (573, 4164), (600, 4260), (601, 4263), (607, 4281), (628, 4323), (639, 4374), (650, 4398), (660, 4422), (661, 4425), (664, 4434), (690, 4494), (720, 4530), (735, 4557),

Gene: Shapes_15 Start: 8443, Stop: 9888, Start Num: 74

Candidate Starts for Shapes_15:

(Start: 74 @8443 has 530 MA's), (90, 8455), (174, 8602), (233, 8749), (242, 8782), (246, 8800), (248, 8806), (264, 8839), (301, 8920), (308, 8932), (418, 9058), (425, 9076), (452, 9148), (458, 9172), (459, 9175), (461, 9181), (467, 9202), (544, 9382), (584, 9508), (585, 9511), (601, 9562), (603, 9568), (608, 9583), (617, 9613), (621, 9622), (647, 9703), (662, 9739), (677, 9769), (702, 9820), (705, 9823),

Gene: ShawBrad_4 Start: 2191, Stop: 3627, Start Num: 73

Candidate Starts for ShawBrad_4:

(Start: 73 @2191 has 29 MA's), (142, 2281), (163, 2332), (165, 2335), (201, 2440), (227, 2482), (235, 2512), (241, 2536), (252, 2569), (450, 2878), (465, 2929), (466, 2935), (475, 2962), (481, 2980), (492, 3013), (518, 3064), (534, 3094), (551, 3148), (561, 3178), (571, 3208), (607, 3331), (637, 3424), (640, 3439), (665, 3502), (694, 3562), (720, 3589), (723, 3592),

Gene: ShayRa_16 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for ShayRa_16:

(Start: 74 @8502 has 530 MA's), (129, 8562), (174, 8667), (196, 8733), (271, 8916), (288, 8949), (301, 8982), (452, 9213), (459, 9240), (461, 9246), (467, 9267), (474, 9288), (486, 9318), (501, 9342), (544, 9432), (555, 9462), (584, 9558), (593, 9585), (601, 9612), (607, 9630), (608, 9633), (617, 9666), (621, 9675), (662, 9792), (677, 9822), (706, 9876),

Gene: SheaKeira_13 Start: 8094, Stop: 9584, Start Num: 74

Candidate Starts for SheaKeira_13:

(Start: 74 @8094 has 530 MA's), (129, 8154), (174, 8259), (204, 8343), (223, 8373), (252, 8469), (288, 8541), (421, 8718), (435, 8754), (440, 8763), (452, 8802), (458, 8826), (459, 8829), (461, 8835), (466, 8853), (467, 8856), (486, 8907), (601, 9201), (607, 9219), (617, 9249), (621, 9258), (649, 9345), (659,

9369), (662, 9375), (677, 9405), (696, 9450), (706, 9459), (756, 9546),

Gene: SheckWes_4 Start: 2570, Stop: 4018, Start Num: 115

Candidate Starts for SheckWes_4:

(Start: 115 @2570 has 54 MA's), (133, 2600), (164, 2678), (190, 2744), (191, 2750), (213, 2786), (228, 2822), (247, 2897), (288, 2966), (301, 2999), (305, 3005), (334, 3041), (424, 3152), (425, 3155), (429, 3161), (446, 3206), (454, 3236), (459, 3254), (461, 3260), (474, 3302), (499, 3371), (530, 3437), (554, 3509), (607, 3680), (621, 3713), (640, 3773), (641, 3779), (647, 3794), (662, 3827), (685, 3887), (687, 3890), (759, 4001),

Gene: ShedlockHolmes_8 Start: 2923, Stop: 4488, Start Num: 50

Candidate Starts for ShedlockHolmes_8:

(37, 2890), (Start: 50 @2923 has 160 MA's), (128, 3028), (131, 3037), (137, 3052), (174, 3142), (186, 3175), (189, 3187), (197, 3217), (231, 3286), (241, 3322), (248, 3349), (286, 3400), (288, 3409), (294, 3424), (333, 3499), (346, 3514), (351, 3520), (357, 3529), (366, 3544), (396, 3595), (425, 3661), (441, 3694), (444, 3700), (452, 3727), (457, 3748), (464, 3769), (517, 3832), (525, 3850), (546, 3928), (550, 3940), (552, 3943), (557, 3958), (583, 4039), (585, 4045), (600, 4093), (607, 4114), (650, 4231), (661, 4258), (664, 4267), (681, 4303),

Gene: Sheen_14 Start: 10056, Stop: 11552, Start Num: 74

Candidate Starts for Sheen_14:

(Start: 74 @10056 has 530 MA's), (174, 10221), (223, 10371), (242, 10437), (281, 10521), (289, 10545), (301, 10572), (312, 10590), (363, 10653), (414, 10701), (418, 10713), (424, 10728), (425, 10731), (452, 10803), (459, 10830), (461, 10836), (467, 10857), (474, 10878), (477, 10887), (496, 10935), (544, 11040), (584, 11166), (585, 11169), (601, 11220), (603, 11226), (608, 11241), (640, 11340), (647, 11361), (649, 11367), (662, 11397), (677, 11427), (685, 11457), (687, 11460), (702, 11478),

Gene: SheldonCooper_12 Start: 8556, Stop: 10007, Start Num: 74

Candidate Starts for SheldonCooper_12:

(Start: 74 @8556 has 530 MA's), (174, 8715), (239, 8883), (246, 8913), (265, 8952), (276, 8970), (301, 9030), (414, 9159), (421, 9177), (459, 9288), (461, 9294), (467, 9315), (468, 9321), (496, 9390), (528, 9450), (584, 9621), (585, 9624), (601, 9675), (603, 9681), (608, 9696), (617, 9726), (647, 9816), (662, 9852), (667, 9864), (677, 9882), (685, 9912),

Gene: Sheng711_5 Start: 2334, Stop: 3971, Start Num: 87

Candidate Starts for Sheng711_5:

(Start: 87 @2334 has 9 MA's), (137, 2409), (188, 2538), (189, 2541), (197, 2571), (231, 2643), (241, 2679), (251, 2718), (327, 2850), (372, 2889), (407, 2922), (418, 2946), (421, 2952), (430, 2973), (432, 2979), (433, 2982), (444, 3003), (462, 3066), (463, 3069), (520, 3171), (528, 3192), (561, 3300), (562, 3306), (592, 3399), (600, 3426), (628, 3489), (638, 3531), (647, 3558), (650, 3567), (677, 3627), (690, 3657), (698, 3666), (704, 3672), (757, 3762), (762, 3774), (776, 3852),

Gene: ShiaSurprise_9 Start: 3055, Stop: 4623, Start Num: 49

Candidate Starts for ShiaSurprise_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: ShortQueendom_11 Start: 8325, Stop: 9767, Start Num: 112

Candidate Starts for ShortQueendom_11:

(64, 8259), (Start: 112 @8325 has 204 MA's), (195, 8523), (288, 8736), (421, 8931), (425, 8943), (459, 9042), (547, 9237), (561, 9276), (584, 9354), (586, 9360), (601, 9408), (605, 9420), (608, 9429), (639, 9519), (677, 9609), (687, 9642), (696, 9654),

Gene: Shukran_4 Start: 2274, Stop: 3611, Start Num: 111

Candidate Starts for Shukran_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (165, 2385), (170, 2397), (277, 2655), (288, 2679), (350, 2781), (415, 2847), (418, 2856), (430, 2883), (457, 2964), (461, 2976), (462, 2979), (468, 3003), (485, 3045), (547, 3171), (565, 3225), (584, 3288), (600, 3339), (619, 3390), (635, 3432), (640, 3456), (677, 3537), (681, 3546), (716, 3597),

Gene: Shuman_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Shuman_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Shygu2_12 Start: 8581, Stop: 10032, Start Num: 74

Candidate Starts for Shygu2_12:

(Start: 74 @8581 has 530 MA's), (170, 8731), (174, 8743), (233, 8890), (239, 8911), (246, 8941), (265, 8980), (276, 8998), (281, 9007), (301, 9058), (414, 9187), (421, 9205), (440, 9250), (459, 9316), (461, 9322), (467, 9343), (468, 9349), (496, 9418), (528, 9478), (544, 9523), (584, 9649), (585, 9652), (601, 9703), (603, 9709), (607, 9721), (608, 9724), (617, 9751), (649, 9847), (662, 9877), (677, 9907), (685, 9937),

Gene: Sibs6_14 Start: 8958, Stop: 10400, Start Num: 112

Candidate Starts for Sibs6_14:

(64, 8892), (Start: 112 @8958 has 204 MA's), (195, 9156), (288, 9369), (421, 9564), (422, 9567), (459, 9675), (484, 9747), (547, 9870), (561, 9909), (584, 9987), (586, 9993), (601, 10041), (605, 10053), (608, 10062), (639, 10152), (677, 10242), (687, 10275), (696, 10287),

Gene: SilverChicken_4 Start: 2180, Stop: 3604, Start Num: 73

Candidate Starts for SilverChicken_4:

(Start: 73 @2180 has 29 MA's), (105, 2213), (140, 2267), (165, 2327), (168, 2336), (184, 2369), (192, 2402), (201, 2432), (228, 2477), (232, 2495), (239, 2519), (241, 2528), (276, 2588), (301, 2648), (307, 2657), (308, 2660), (331, 2693), (350, 2714), (386, 2756), (422, 2795), (427, 2807), (429, 2810), (449, 2867), (450, 2870), (452, 2876), (456, 2891), (465, 2921), (466, 2927), (492, 3005), (534, 3086), (551, 3140), (565, 3185), (571, 3200), (591, 3272), (605, 3317), (607, 3323), (640, 3431), (642, 3440), (645, 3449), (659, 3479), (665, 3494),

Gene: Silverleaf_5 Start: 2625, Stop: 4298, Start Num: 84

Candidate Starts for Silverleaf_5:

(Start: 84 @2625 has 64 MA's), (131, 2688), (150, 2742), (165, 2766), (189, 2835), (195, 2859), (231, 2937), (241, 2973), (286, 3066), (287, 3069), (327, 3144), (372, 3183), (421, 3246), (432, 3273), (433, 3276), (444, 3297), (450, 3318), (462, 3360), (463, 3363), (520, 3465), (526, 3480), (528, 3486), (552, 3567), (561, 3594), (562, 3600), (592, 3693), (600, 3720), (603, 3729), (628, 3783), (633, 3804), (638, 3825), (647, 3852), (650, 3861), (677, 3921), (690, 3951), (698, 3960), (762, 4068), (782, 4263),

Gene: Simpson_3 Start: 2269, Stop: 3645, Start Num: 104

Candidate Starts for Simpson_3:

(Start: 104 @2269 has 48 MA's), (Start: 166 @2389 has 2 MA's), (197, 2488), (216, 2527), (318, 2752), (412, 2845), (478, 3025), (558, 3193), (573, 3232), (579, 3262), (587, 3286), (647, 3460), (650, 3469), (710, 3580),

Gene: SimranZ1_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for SimranZ1_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: SirPhilip_8 Start: 2803, Stop: 4356, Start Num: 49

Candidate Starts for SirPhilip_8:

(28, 2686), (31, 2713), (Start: 49 @2803 has 25 MA's), (Start: 50 @2818 has 160 MA's), (109, 2884), (131, 2920), (149, 2974), (174, 3025), (186, 3058), (188, 3067), (231, 3169), (237, 3190), (241, 3205), (246, 3226), (248, 3232), (294, 3310), (315, 3349), (351, 3406), (375, 3442), (395, 3475), (404, 3499), (421, 3535), (425, 3547), (441, 3580), (452, 3613), (457, 3634), (464, 3655), (473, 3685), (517, 3718), (525, 3736), (546, 3814), (550, 3826), (556, 3841), (557, 3844), (565, 3871), (585, 3928), (601, 3979), (607, 3997), (639, 4090), (650, 4114), (661, 4141), (664, 4150), (681, 4186),

Gene: Sizemore_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Sizemore_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: SketchMex_4 Start: 2786, Stop: 4240, Start Num: 115

Candidate Starts for SketchMex_4:

(Start: 115 @2786 has 54 MA's), (133, 2810), (180, 2924), (184, 2933), (242, 3089), (244, 3098), (288, 3179), (391, 3326), (425, 3368), (454, 3449), (459, 3467), (461, 3473), (498, 3581), (544, 3701), (554, 3728), (565, 3764), (598, 3872), (605, 3893), (648, 4016), (662, 4046), (685, 4106), (687, 4109), (759, 4217),

Gene: SkiPole_14 Start: 8832, Stop: 10274, Start Num: 112

Candidate Starts for SkiPole_14:

(64, 8766), (Start: 112 @8832 has 204 MA's), (195, 9030), (288, 9243), (421, 9438), (425, 9450), (459, 9549), (547, 9744), (561, 9783), (584, 9861), (586, 9867), (601, 9915), (605, 9927), (608, 9936), (621, 9969), (639, 10026), (677, 10116), (687, 10149), (696, 10161),

Gene: Skinny_16 Start: 6259, Stop: 7881, Start Num: 55

Candidate Starts for Skinny_16:

(Start: 55 @6259 has 21 MA's), (Start: 62 @6274 has 13 MA's), (135, 6382), (142, 6400), (165, 6448), (175, 6481), (181, 6493), (188, 6517), (195, 6544), (197, 6550), (231, 6622), (233, 6628), (241, 6658), (267, 6739), (271, 6745), (273, 6748), (283, 6766), (411, 6922), (421, 6940), (425, 6952), (447, 7000), (463, 7057), (464, 7060), (495, 7129), (533, 7183), (541, 7219), (558, 7270), (560, 7273), (571, 7303), (575, 7312), (593, 7378), (595, 7381), (600, 7402), (601, 7405), (623, 7456), (650, 7543), (709, 7654), (727, 7684), (747, 7720), (751, 7726), (757, 7741), (762, 7753), (777, 7837),

Gene: Skipitt_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Skipitt_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (600, 9694), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: Skitty_4 Start: 1758, Stop: 3161, Start Num: 65

Candidate Starts for Skitty_4:

(Start: 65 @1758 has 2 MA's), (Start: 111 @1809 has 22 MA's), (118, 1821), (129, 1839), (133, 1842), (145, 1875), (175, 1944), (188, 1980), (190, 1986), (194, 2001), (200, 2022), (203, 2028), (223, 2055), (233, 2088), (235, 2094), (244, 2130), (245, 2136), (301, 2238), (315, 2262), (316, 2265), (318, 2271), (344, 2295), (356, 2310), (358, 2313), (449, 2451), (450, 2454), (454, 2469), (461, 2493), (474, 2535), (477, 2544), (487, 2568), (505, 2598), (528, 2640), (534, 2649), (536, 2658), (540, 2673), (546, 2691), (583, 2808), (606, 2883), (640, 2988), (641, 2994), (651, 3015), (656, 3030), (679, 3075), (713, 3132),

Gene: Sknot_14 Start: 9268, Stop: 10728, Start Num: 74

Candidate Starts for Sknot_14:

(Start: 74 @9268 has 530 MA's), (129, 9328), (170, 9421), (174, 9433), (288, 9715), (301, 9748), (422, 9895), (425, 9904), (452, 9976), (459, 10003), (461, 10009), (467, 10030), (555, 10225), (565, 10258), (601, 10375), (608, 10396), (617, 10423), (621, 10432), (662, 10549), (677, 10579), (685, 10609), (706, 10633),

Gene: Slagathor_13 Start: 8610, Stop: 10052, Start Num: 112

Candidate Starts for Slagathor_13:

(64, 8544), (Start: 112 @8610 has 204 MA's), (195, 8808), (288, 9021), (421, 9216), (425, 9228), (459, 9327), (484, 9399), (547, 9522), (561, 9561), (584, 9639), (586, 9645), (601, 9693), (605, 9705), (608, 9714), (639, 9804), (677, 9894), (687, 9927), (696, 9939),

Gene: Slarp_10 Start: 3932, Stop: 5518, Start Num: 50

Candidate Starts for Slarp_10:

(Start: 49 @3917 has 25 MA's), (Start: 50 @3932 has 160 MA's), (60, 3956), (109, 4022), (135, 4067), (Start: 166 @4139 has 2 MA's), (186, 4196), (188, 4205), (189, 4208), (197, 4238), (231, 4307), (237, 4328), (246, 4364), (248, 4370), (271, 4394), (288, 4430), (294, 4445), (315, 4484), (399, 4619), (404, 4628), (414, 4646), (424, 4673), (425, 4676), (441, 4709), (452, 4742), (457, 4763), (464, 4784), (517, 4847), (526, 4871), (535, 4895), (546, 4943), (550, 4955), (555, 4967), (557, 4973), (571, 5012), (605, 5126), (607, 5132), (650, 5303), (661, 5330), (664, 5339), (693, 5402), (704, 5414),

Gene: Sleepyhead_3 Start: 1933, Stop: 3366, Start Num: 111

Candidate Starts for Sleepyhead_3:

(Start: 108 @1927 has 156 MA's), (Start: 111 @1933 has 22 MA's), (118, 1945), (170, 2056), (178, 2086), (242, 2254), (246, 2272), (248, 2278), (319, 2416), (439, 2554), (444, 2566), (457, 2614), (463, 2632), (489, 2719), (511, 2773), (534, 2830), (541, 2863), (549, 2890), (552, 2896), (576, 2974), (601, 3052), (603, 3058), (641, 3169), (642, 3172), (652, 3190), (654, 3196), (661, 3211), (723, 3325), (726, 3331),

Gene: SlimJimmy_14 Start: 6259, Stop: 7881, Start Num: 55

Candidate Starts for SlimJimmy_14:

(Start: 55 @6259 has 21 MA's), (Start: 62 @6274 has 13 MA's), (135, 6382), (142, 6400), (165, 6448), (175, 6481), (181, 6493), (188, 6517), (195, 6544), (197, 6550), (231, 6622), (233, 6628), (241, 6658), (267, 6739), (271, 6745), (273, 6748), (283, 6766), (411, 6922), (421, 6940), (425, 6952), (447, 7000), (463, 7057), (464, 7060), (495, 7129), (533, 7183), (541, 7219), (558, 7270), (560, 7273), (571, 7303), (575, 7312), (593, 7378), (595, 7381), (600, 7402), (601, 7405), (623, 7456), (650, 7543), (709, 7654), (727, 7684), (747, 7720), (751, 7726), (757, 7741), (762, 7753), (777, 7837),

Gene: Slim_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for Slim_4:

(Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (336, 2704), (366, 2746), (397, 2797), (406, 2815), (421, 2848), (424, 2857), (425, 2860), (447, 2908), (449, 2917), (457, 2947), (463, 2965), (473, 2998), (526, 3055), (550, 3139), (557, 3157), (565, 3184), (571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (601, 3298), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532), (728, 3580),

Gene: Slimphazie_9 Start: 3020, Stop: 4579, Start Num: 50

Candidate Starts for Slimphazie_9:

(31, 2918), (Start: 49 @3005 has 25 MA's), (Start: 50 @3020 has 160 MA's), (128, 3122), (131, 3131), (160, 3203), (Start: 166 @3212 has 2 MA's), (174, 3236), (186, 3269), (188, 3278), (197, 3311), (207, 3329), (231, 3380), (237, 3401), (248, 3443), (288, 3509), (294, 3524), (333, 3599), (351, 3620), (385, 3674), (441, 3794), (452, 3827), (457, 3848), (464, 3869), (473, 3899), (517, 3932), (525, 3950), (546, 4028), (550, 4040), (552, 4043), (556, 4055), (557, 4058), (573, 4094), (585, 4142), (601, 4193), (607, 4211), (640, 4307), (650, 4328), (661, 4355), (664, 4364), (681, 4400),

Gene: Smairt_13 Start: 9129, Stop: 10571, Start Num: 112

Candidate Starts for Smairt_13:

(64, 9063), (Start: 112 @9129 has 204 MA's), (195, 9327), (288, 9540), (421, 9735), (459, 9846), (547, 10041), (561, 10080), (584, 10158), (586, 10164), (601, 10212), (605, 10224), (608, 10233), (639, 10323), (677, 10413), (687, 10446), (696, 10458),

Gene: Smeadley_10 Start: 7455, Stop: 8885, Start Num: 75

Candidate Starts for Smeadley_10:

(Start: 75 @7455 has 72 MA's), (173, 7605), (288, 7887), (363, 7998), (421, 8061), (440, 8106), (459, 8172), (467, 8199), (544, 8364), (576, 8466), (601, 8544), (603, 8550), (621, 8601), (662, 8718), (677, 8748), (706, 8802),

Gene: Smeagan_15 Start: 9670, Stop: 11130, Start Num: 74

Candidate Starts for Smeagan_15:

(Start: 74 @9670 has 530 MA's), (129, 9730), (174, 9835), (246, 10033), (288, 10117), (301, 10150), (421, 10294), (452, 10378), (459, 10405), (461, 10411), (467, 10432), (468, 10438), (486, 10483), (601, 10777), (607, 10795), (608, 10798), (617, 10825), (621, 10834), (662, 10951), (677, 10981), (685, 11011), (706, 11035),

Gene: Smeagol_13 Start: 9550, Stop: 10986, Start Num: 112

Candidate Starts for Smeagol_13:

(64, 9484), (Start: 112 @9550 has 204 MA's), (195, 9748), (288, 9961), (421, 10156), (425, 10168), (459, 10267), (547, 10462), (561, 10501), (584, 10579), (586, 10585), (601, 10633), (605, 10645), (608, 10654), (639, 10744), (677, 10834), (687, 10867), (733, 10927),

Gene: SmellyB_16 Start: 9284, Stop: 10747, Start Num: 74

Candidate Starts for SmellyB_16:

(Start: 74 @9284 has 530 MA's), (97, 9305), (129, 9344), (167, 9431), (171, 9443), (174, 9449), (288, 9731), (434, 9944), (452, 9995), (459, 10022), (461, 10028), (467, 10049), (608, 10415), (617, 10442), (621, 10451), (640, 10511), (662, 10568), (677, 10598), (685, 10628), (709, 10655),

Gene: SnapTap_13 Start: 9170, Stop: 10633, Start Num: 74

Candidate Starts for SnapTap_13:

(Start: 74 @9170 has 530 MA's), (129, 9230), (174, 9335), (246, 9533), (288, 9617), (301, 9650), (388, 9761), (452, 9878), (459, 9905), (461, 9911), (467, 9932), (468, 9938), (486, 9983), (547, 10106), (601, 10277), (607, 10295), (608, 10298), (617, 10325), (621, 10334), (662, 10451), (677, 10481), (685, 10511),

Gene: Snape_13 Start: 9787, Stop: 11244, Start Num: 74

Candidate Starts for Snape_13:

(Start: 74 @9787 has 530 MA's), (120, 9832), (129, 9847), (174, 9952), (288, 10234), (301, 10267), (425, 10423), (452, 10495), (459, 10522), (461, 10528), (467, 10549), (486, 10600), (592, 10864), (601, 10894), (608, 10915), (612, 10930), (617, 10942), (621, 10951), (649, 11038), (662, 11068), (677, 11098), (685, 11128), (736, 11194),

Gene: Snazzy_10 Start: 8139, Stop: 9581, Start Num: 112

Candidate Starts for Snazzy_10:

(64, 8073), (Start: 112 @8139 has 204 MA's), (195, 8337), (288, 8550), (421, 8745), (425, 8757), (459, 8856), (484, 8928), (547, 9051), (561, 9090), (584, 9168), (586, 9174), (601, 9222), (605, 9234), (608, 9243), (639, 9333), (677, 9423), (687, 9456), (696, 9468),

Gene: Sneeze_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Sneeze_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Snek_4 Start: 3136, Stop: 4500, Start Num: 102

Candidate Starts for Snek_4:

(Start: 102 @3136 has 4 MA's), (147, 3217), (Start: 166 @3256 has 2 MA's), (214, 3391), (246, 3481), (266, 3517), (273, 3526), (407, 3703), (412, 3712), (544, 4018), (573, 4096), (579, 4126), (635, 4285), (641, 4315), (647, 4324),

Gene: Snenia_6 Start: 2756, Stop: 4399, Start Num: 84

Candidate Starts for Snenia_6:

(Start: 84 @2756 has 64 MA's), (128, 2816), (189, 2966), (197, 2996), (231, 3068), (249, 3134), (278, 3182), (327, 3275), (372, 3314), (432, 3404), (437, 3413), (444, 3428), (528, 3617), (538, 3650), (548, 3689), (562, 3731), (628, 3914), (638, 3956), (647, 3983), (650, 3992), (677, 4052), (690, 4082), (698, 4091), (747, 4166), (762, 4199),

Gene: Snickers_14 Start: 8628, Stop: 10082, Start Num: 74

Candidate Starts for Snickers_14:

(Start: 74 @8628 has 530 MA's), (Start: 114 @8658 has 8 MA's), (129, 8685), (174, 8790), (223, 8904), (242, 8970), (265, 9027), (301, 9105), (303, 9108), (421, 9249), (459, 9360), (461, 9366), (467, 9387), (544, 9552), (584, 9678), (601, 9732), (603, 9738), (608, 9753), (621, 9789), (649, 9876), (662, 9906), (677, 9936), (696, 9981), (706, 9990),

Gene: Snorlax_7 Start: 4055, Stop: 5491, Start Num: 108

Candidate Starts for Snorlax_7:

(Start: 99 @4049 has 4 MA's), (Start: 108 @4055 has 156 MA's), (123, 4079), (136, 4103), (Start: 166 @4172 has 2 MA's), (184, 4220), (187, 4232), (197, 4271), (249, 4424), (312, 4538), (346, 4580), (364, 4607), (398, 4640), (401, 4646), (446, 4736), (449, 4748), (470, 4823), (477, 4841), (520, 4919), (535, 4964), (549, 5021), (623, 5234), (631, 5258), (680, 5390), (726, 5456), (747, 5477),

Gene: SoJulia_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for SoJulia_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: SoSeph_7 Start: 2788, Stop: 4323, Start Num: 50

Candidate Starts for SoSeph_7:

(Start: 50 @2788 has 160 MA's), (109, 2860), (131, 2896), (135, 2905), (149, 2950), (186, 3034), (189, 3046), (197, 3076), (207, 3094), (231, 3145), (241, 3181), (248, 3208), (286, 3259), (287, 3262), (288, 3268), (294, 3283), (297, 3286), (333, 3358), (351, 3379), (370, 3409), (396, 3454), (421, 3508), (441, 3553), (452, 3586), (457, 3607), (462, 3622), (463, 3625), (464, 3628), (517, 3691), (525, 3709), (526, 3715), (546, 3787), (550, 3799), (552, 3802), (557, 3817), (575, 3862), (576, 3877), (583, 3898), (600, 3952), (601, 3955), (607, 3973), (612, 3988), (637, 4054), (640, 4069), (650, 4090), (664, 4126), (681, 4162), (735, 4249),

Gene: SoYo_14 Start: 8565, Stop: 10019, Start Num: 74

Candidate Starts for SoYo_14:

(Start: 74 @8565 has 530 MA's), (Start: 114 @8595 has 8 MA's), (129, 8622), (174, 8727), (223, 8841), (242, 8907), (265, 8964), (301, 9042), (303, 9045), (421, 9186), (459, 9297), (461, 9303), (467, 9324), (544, 9489), (584, 9615), (601, 9669), (603, 9675), (608, 9690), (621, 9726), (649, 9813), (662, 9843), (677, 9873), (696, 9918), (706, 9927),

Gene: Soap141_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Soap141_5:

(Start: 84 @2638 has 64 MA's), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Socotra_6 Start: 2789, Stop: 4246, Start Num: 115

Candidate Starts for Socotra_6:

(Start: 115 @2789 has 54 MA's), (133, 2813), (176, 2924), (180, 2927), (184, 2936), (222, 3017), (244, 3101), (247, 3113), (288, 3182), (391, 3329), (425, 3371), (449, 3434), (454, 3452), (456, 3458), (459, 3470), (461, 3476), (499, 3587), (544, 3704), (554, 3731), (565, 3767), (605, 3896), (607, 3902), (621, 3935), (639, 3992), (640, 3995), (648, 4019), (662, 4049), (685, 4109), (687, 4112), (759, 4223),

Gene: SoilDragon_14 Start: 8339, Stop: 9793, Start Num: 74

Candidate Starts for SoilDragon_14:

(Start: 74 @8339 has 530 MA's), (Start: 114 @8369 has 8 MA's), (129, 8396), (174, 8501), (223, 8615), (242, 8681), (265, 8738), (301, 8816), (303, 8819), (421, 8960), (459, 9071), (461, 9077), (467, 9098), (544, 9263), (584, 9389), (601, 9443), (603, 9449), (608, 9464), (621, 9500), (649, 9587), (662, 9617), (677, 9647), (696, 9692), (706, 9701),

Gene: Solid_3 Start: 1885, Stop: 3210, Start Num: 106

Candidate Starts for Solid_3:

(Start: 106 @1885 has 46 MA's), (118, 1900), (128, 1918), (139, 1939), (157, 1990), (165, 1999), (167, 2005), (174, 2023), (180, 2032), (184, 2041), (185, 2044), (190, 2065), (192, 2074), (227, 2134), (237,

2173), (239, 2179), (244, 2200), (246, 2209), (260, 2239), (261, 2242), (296, 2302), (302, 2314), (304, 2317), (306, 2320), (335, 2359), (338, 2362), (348, 2374), (366, 2386), (417, 2437), (425, 2458), (430, 2467), (456, 2545), (459, 2557), (463, 2569), (474, 2605), (477, 2614), (499, 2656), (506, 2665), (509, 2674), (534, 2707), (547, 2752), (550, 2761), (554, 2770), (576, 2845), (584, 2869), (598, 2914), (603, 2929), (628, 2989), (639, 3040), (648, 3067), (658, 3088), (659, 3091), (662, 3097), (663, 3100), (665, 3106), (670, 3115), (678, 3130), (679, 3133), (689, 3163),

Gene: Solon_12 Start: 9291, Stop: 10733, Start Num: 112

Candidate Starts for Solon_12:

(64, 9225), (Start: 112 @9291 has 204 MA's), (195, 9489), (288, 9702), (421, 9897), (425, 9909), (459, 10008), (484, 10080), (547, 10203), (561, 10242), (584, 10320), (586, 10326), (601, 10374), (605, 10386), (608, 10395), (639, 10485), (677, 10575), (687, 10608), (696, 10620),

Gene: Soondubu_3 Start: 2296, Stop: 3684, Start Num: 100

Candidate Starts for Soondubu_3:

(Start: 100 @2296 has 21 MA's), (Start: 166 @2419 has 2 MA's), (248, 2650), (273, 2689), (513, 3085), (579, 3289), (635, 3448), (641, 3478), (647, 3487), (681, 3565),

Gene: Sooty_3 Start: 2306, Stop: 3871, Start Num: 100

Candidate Starts for Sooty_3:

(Start: 100 @2306 has 21 MA's), (Start: 166 @2432 has 2 MA's), (246, 2657), (266, 2693), (273, 2702), (318, 2795), (351, 2819), (421, 2924), (561, 3257), (565, 3272), (566, 3275), (647, 3515), (745, 3689), (775, 3803), (778, 3836),

Gene: Sopespian_5 Start: 2789, Stop: 4246, Start Num: 115

Candidate Starts for Sopespian_5:

(Start: 115 @2789 has 54 MA's), (133, 2813), (176, 2924), (180, 2927), (184, 2936), (222, 3017), (244, 3101), (247, 3113), (288, 3182), (391, 3329), (425, 3371), (449, 3434), (454, 3452), (456, 3458), (459, 3470), (461, 3476), (499, 3587), (544, 3704), (554, 3731), (565, 3767), (605, 3896), (607, 3902), (621, 3935), (639, 3992), (640, 3995), (648, 4019), (662, 4049), (685, 4109), (687, 4112), (759, 4223),

Gene: SororFago_12 Start: 8293, Stop: 9759, Start Num: 74

Candidate Starts for SororFago_12:

(Start: 74 @8293 has 530 MA's), (129, 8353), (174, 8458), (197, 8527), (252, 8668), (288, 8740), (344, 8833), (352, 8842), (422, 8920), (452, 9001), (459, 9028), (461, 9034), (466, 9052), (467, 9055), (474, 9076), (486, 9106), (499, 9127), (511, 9145), (539, 9208), (561, 9268), (601, 9400), (607, 9418), (617, 9448), (621, 9457), (640, 9517), (662, 9574), (677, 9604), (685, 9634), (706, 9658),

Gene: Sorpresa_12 Start: 8657, Stop: 10099, Start Num: 112

Candidate Starts for Sorpresa_12:

(64, 8591), (Start: 112 @8657 has 204 MA's), (195, 8855), (288, 9068), (421, 9263), (425, 9275), (459, 9374), (547, 9569), (561, 9608), (584, 9686), (586, 9692), (601, 9740), (605, 9752), (608, 9761), (639, 9851), (677, 9941), (687, 9974), (696, 9986),

Gene: Soshari_16 Start: 8737, Stop: 10191, Start Num: 74

Candidate Starts for Soshari_16:

(Start: 74 @8737 has 530 MA's), (Start: 114 @8767 has 8 MA's), (129, 8794), (174, 8899), (223, 9013), (242, 9079), (265, 9136), (301, 9214), (303, 9217), (421, 9358), (459, 9469), (461, 9475), (467, 9496), (544, 9661), (584, 9787), (601, 9841), (603, 9847), (608, 9862), (621, 9898), (649, 9985), (662, 10015), (677, 10045), (696, 10090), (706, 10099),

Gene: Soul22_4 Start: 2180, Stop: 3604, Start Num: 73

Candidate Starts for Soul22_4:

(Start: 73 @2180 has 29 MA's), (105, 2213), (140, 2267), (165, 2327), (168, 2336), (184, 2369), (192, 2402), (201, 2432), (228, 2477), (239, 2519), (241, 2528), (276, 2588), (301, 2648), (307, 2657), (308, 2660), (331, 2693), (350, 2714), (386, 2756), (418, 2786), (422, 2795), (427, 2807), (429, 2810), (449, 2867), (450, 2870), (452, 2876), (456, 2891), (465, 2921), (466, 2927), (492, 3005), (534, 3086), (551, 3140), (565, 3185), (571, 3200), (591, 3272), (605, 3317), (607, 3323), (640, 3431), (642, 3440), (645, 3449), (659, 3479), (665, 3494), (679, 3521),

Gene: Soups_15 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for Soups_15:

(Start: 74 @8502 has 530 MA's), (129, 8562), (174, 8667), (196, 8733), (271, 8916), (288, 8949), (301, 8982), (452, 9213), (459, 9240), (461, 9246), (467, 9267), (474, 9288), (486, 9318), (501, 9342), (555, 9462), (584, 9558), (593, 9585), (601, 9612), (607, 9630), (608, 9633), (617, 9666), (621, 9675), (662, 9792), (677, 9822), (706, 9876),

Gene: South40_8 Start: 4327, Stop: 5763, Start Num: 108

Candidate Starts for South40_8:

(Start: 96 @4318 has 3 MA's), (Start: 99 @4321 has 4 MA's), (Start: 108 @4327 has 156 MA's), (123, 4351), (136, 4375), (Start: 166 @4444 has 2 MA's), (184, 4492), (190, 4516), (197, 4543), (249, 4696), (312, 4810), (346, 4852), (355, 4864), (364, 4879), (401, 4918), (446, 5008), (449, 5020), (477, 5113), (520, 5191), (535, 5236), (549, 5293), (631, 5530), (747, 5749),

Gene: Sparky_3 Start: 2308, Stop: 3759, Start Num: 103

Candidate Starts for Sparky_3:

(Start: 100 @2305 has 21 MA's), (Start: 103 @2308 has 2 MA's), (Start: 108 @2314 has 156 MA's), (131, 2353), (156, 2419), (184, 2482), (189, 2503), (193, 2518), (197, 2533), (241, 2638), (247, 2662), (351, 2836), (357, 2845), (402, 2935), (414, 2956), (424, 2983), (425, 2986), (463, 3091), (515, 3160), (535, 3205), (566, 3313), (571, 3322), (576, 3346), (590, 3388), (601, 3424), (607, 3442), (637, 3523), (657, 3586), (671, 3616), (712, 3679),

Gene: Spartoi_3 Start: 1805, Stop: 3307, Start Num: 62

Candidate Starts for Spartoi_3:

(Start: 62 @1805 has 13 MA's), (129, 1889), (133, 1892), (185, 2015), (279, 2243), (344, 2369), (365, 2396), (426, 2465), (450, 2531), (459, 2564), (505, 2663), (508, 2672), (538, 2732), (540, 2738), (606, 2945), (632, 3020), (639, 3053), (645, 3074), (679, 3146), (735, 3242), (759, 3290),

Gene: Sparxx_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Sparxx_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: SpecialK_3 Start: 2307, Stop: 3875, Start Num: 101

Candidate Starts for SpecialK_3:

(Start: 101 @2307 has 12 MA's), (Start: 166 @2433 has 2 MA's), (246, 2658), (266, 2694), (273, 2703), (283, 2721), (318, 2796), (351, 2820), (421, 2925), (552, 3231), (555, 3240), (561, 3258), (565, 3273), (566, 3276), (647, 3516), (745, 3690),

Gene: Speedwell_8 Start: 4147, Stop: 5580, Start Num: 108

Candidate Starts for Speedwell_8:

(Start: 108 @4147 has 156 MA's), (Start: 166 @4264 has 2 MA's), (184, 4312), (187, 4324), (364, 4699), (398, 4732), (401, 4738), (449, 4837), (470, 4912), (477, 4930), (503, 4969), (520, 5005), (535, 5050), (549, 5107), (611, 5299), (631, 5344), (680, 5476),

Gene: SpicyFrank_4 Start: 2275, Stop: 3612, Start Num: 111

Candidate Starts for SpicyFrank_4:

(44, 2152), (46, 2155), (54, 2194), (Start: 55 @2197 has 21 MA's), (60, 2209), (Start: 96 @2263 has 3 MA's), (Start: 111 @2275 has 22 MA's), (138, 2323), (165, 2386), (170, 2398), (277, 2656), (301, 2713), (344, 2776), (377, 2821), (415, 2848), (418, 2857), (430, 2884), (457, 2965), (461, 2977), (462, 2980), (468, 3004), (485, 3046), (542, 3157), (547, 3172), (565, 3226), (584, 3289), (600, 3340), (604, 3352), (619, 3391), (640, 3457), (677, 3538), (681, 3547), (716, 3598),

Gene: Spike509_14 Start: 8738, Stop: 10192, Start Num: 74

Candidate Starts for Spike509_14:

(Start: 74 @8738 has 530 MA's), (Start: 114 @8768 has 8 MA's), (129, 8795), (174, 8900), (223, 9014), (242, 9080), (265, 9137), (301, 9215), (303, 9218), (421, 9359), (459, 9470), (461, 9476), (467, 9497), (544, 9662), (584, 9788), (601, 9842), (603, 9848), (608, 9863), (621, 9899), (649, 9986), (662, 10016), (677, 10046), (696, 10091), (706, 10100),

Gene: SpikeBT_14 Start: 9594, Stop: 11036, Start Num: 112

Candidate Starts for SpikeBT_14:

(64, 9528), (Start: 112 @9594 has 204 MA's), (195, 9792), (288, 10005), (421, 10200), (422, 10203), (425, 10212), (459, 10311), (547, 10506), (561, 10545), (584, 10623), (586, 10629), (601, 10677), (605, 10689), (608, 10698), (639, 10788), (677, 10878), (687, 10911), (696, 10923),

Gene: Spikelee_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Spikelee_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Spino_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Spino_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Spock_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Spock_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Spooks_49 Start: 28254, Stop: 29678, Start Num: 91

Candidate Starts for Spooks_49:

(Start: 91 @28254 has 1 MA's), (124, 28302), (157, 28386), (190, 28467), (195, 28488), (205, 28509), (241, 28602), (248, 28629), (272, 28686), (448, 28923), (458, 28959), (463, 28974), (476, 29010), (516, 29082), (529, 29106), (544, 29148), (549, 29163), (555, 29178), (566, 29217), (591, 29295), (592, 29298), (601, 29328), (608, 29349), (638, 29427), (643, 29451), (677, 29526), (684, 29553),

(688, 29559),

Gene: Spooky_4 Start: 2190, Stop: 3626, Start Num: 73

Candidate Starts for Spooky_4:

(Start: 73 @2190 has 29 MA's), (105, 2220), (156, 2322), (163, 2331), (165, 2334), (168, 2343), (180, 2367), (201, 2439), (227, 2481), (241, 2535), (252, 2568), (276, 2595), (281, 2604), (312, 2673), (334, 2703), (339, 2709), (410, 2775), (418, 2793), (422, 2802), (427, 2814), (429, 2817), (450, 2877), (452, 2883), (458, 2907), (465, 2928), (466, 2934), (475, 2961), (481, 2979), (492, 3012), (518, 3063), (534, 3093), (551, 3147), (561, 3177), (571, 3207), (590, 3276), (607, 3330), (640, 3438), (656, 3480), (665, 3501), (679, 3528), (694, 3561), (711, 3573), (720, 3588),

Gene: Spouty_14 Start: 9923, Stop: 11410, Start Num: 74

Candidate Starts for Spouty_14:

(Start: 74 @9923 has 530 MA's), (129, 9986), (174, 10091), (197, 10160), (252, 10301), (288, 10373), (315, 10427), (421, 10550), (435, 10586), (440, 10595), (452, 10634), (459, 10661), (461, 10667), (467, 10688), (486, 10739), (511, 10778), (601, 11033), (607, 11051), (617, 11081), (619, 11084), (621, 11090), (659, 11201), (662, 11207), (677, 11237), (696, 11282), (706, 11291),

Gene: SqueakyClean_8 Start: 4130, Stop: 5617, Start Num: 108

Candidate Starts for SqueakyClean_8:

(Start: 108 @4130 has 156 MA's), (Start: 166 @4247 has 2 MA's), (197, 4346), (210, 4400), (231, 4439), (346, 4652), (449, 4820), (470, 4895), (474, 4904), (477, 4913), (483, 4931), (485, 4937), (535, 5078), (547, 5129), (549, 5135), (631, 5372), (664, 5471), (680, 5504), (747, 5603),

Gene: Squee_13 Start: 9135, Stop: 10577, Start Num: 112

Candidate Starts for Squee_13:

(64, 9069), (Start: 112 @9135 has 204 MA's), (195, 9333), (288, 9546), (421, 9741), (422, 9744), (425, 9753), (459, 9852), (547, 10047), (561, 10086), (584, 10164), (586, 10170), (601, 10218), (605, 10230), (608, 10239), (621, 10272), (639, 10329), (677, 10419), (687, 10452), (696, 10464),

Gene: Squiddly_5 Start: 2880, Stop: 4319, Start Num: 73

Candidate Starts for Squiddly_5:

(Start: 73 @2880 has 29 MA's), (85, 2895), (163, 3024), (165, 3027), (183, 3066), (192, 3102), (201, 3132), (227, 3174), (241, 3228), (281, 3297), (312, 3366), (334, 3396), (339, 3402), (344, 3408), (410, 3468), (418, 3486), (427, 3507), (429, 3510), (450, 3570), (452, 3576), (456, 3591), (458, 3600), (459, 3603), (465, 3621), (466, 3627), (475, 3654), (481, 3672), (492, 3705), (518, 3756), (534, 3786), (551, 3840), (571, 3900), (607, 4023), (640, 4131), (656, 4173), (665, 4194), (679, 4221), (694, 4254), (711, 4266), (720, 4281),

Gene: Squirty_4 Start: 2198, Stop: 3619, Start Num: 108

Candidate Starts for Squirty_4:

(Start: 108 @2198 has 156 MA's), (124, 2225), (131, 2237), (184, 2366), (188, 2384), (197, 2417), (231, 2486), (241, 2522), (246, 2543), (248, 2549), (271, 2573), (273, 2576), (308, 2651), (312, 2657), (323, 2684), (336, 2702), (366, 2744), (397, 2795), (406, 2813), (421, 2846), (424, 2855), (447, 2906), (449, 2915), (457, 2945), (463, 2963), (473, 2996), (526, 3053), (550, 3137), (557, 3155), (565, 3182), (571, 3194), (573, 3197), (575, 3203), (576, 3218), (587, 3251), (628, 3356), (629, 3359), (650, 3431), (652, 3437), (655, 3446), (657, 3449), (660, 3455), (664, 3467), (693, 3530), (728, 3578),

Gene: StCroix_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for StCroix_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607,

5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Stagni_14 Start: 8656, Stop: 10110, Start Num: 74

Candidate Starts for Stagni_14:

(Start: 74 @8656 has 530 MA's), (Start: 114 @8686 has 8 MA's), (129, 8713), (174, 8818), (223, 8932), (242, 8998), (265, 9055), (301, 9133), (303, 9136), (421, 9277), (459, 9388), (461, 9394), (467, 9415), (544, 9580), (584, 9706), (601, 9760), (603, 9766), (608, 9781), (621, 9817), (649, 9904), (662, 9934), (677, 9964), (696, 10009), (706, 10018),

Gene: Stap_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Stap_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: StarStuff_16 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for StarStuff_16:

(Start: 74 @9159 has 530 MA's), (129, 9219), (170, 9312), (174, 9324), (288, 9606), (388, 9750), (424, 9792), (452, 9867), (459, 9894), (461, 9900), (467, 9921), (468, 9927), (601, 10266), (608, 10287), (617, 10314), (621, 10323), (649, 10410), (662, 10440), (677, 10470), (685, 10500), (706, 10524),

Gene: Starburst_6 Start: 2789, Stop: 4246, Start Num: 115

Candidate Starts for Starburst_6:

(Start: 115 @2789 has 54 MA's), (133, 2813), (176, 2924), (180, 2927), (184, 2936), (222, 3017), (244, 3101), (247, 3113), (288, 3182), (391, 3329), (425, 3371), (449, 3434), (454, 3452), (456, 3458), (459, 3470), (461, 3476), (499, 3587), (544, 3704), (554, 3731), (565, 3767), (605, 3896), (607, 3902), (621, 3935), (639, 3992), (640, 3995), (648, 4019), (662, 4049), (685, 4109), (687, 4112), (759, 4223),

Gene: Starcevich_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Starcevich_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Stargaze_3 Start: 1909, Stop: 3513, Start Num: 38

Candidate Starts for Stargaze_3:

(38, 1909), (46, 1927), (Start: 74 @1990 has 530 MA's), (117, 2035), (118, 2038), (168, 2146), (184, 2179), (238, 2326), (239, 2329), (301, 2464), (356, 2539), (360, 2545), (363, 2548), (422, 2611), (427, 2623), (450, 2686), (461, 2725), (506, 2845), (534, 2902), (546, 2944), (547, 2947), (553, 2962), (554, 2965), (607, 3139), (696, 3370), (739, 3430),

Gene: Stasia_13 Start: 9023, Stop: 10474, Start Num: 74

Candidate Starts for Stasia_13:

(Start: 74 @9023 has 530 MA's), (174, 9185), (233, 9332), (239, 9353), (246, 9383), (265, 9422), (276, 9440), (301, 9500), (344, 9560), (421, 9644), (425, 9656), (458, 9752), (459, 9755), (461, 9761), (467, 9782), (468, 9788), (496, 9857), (544, 9962), (565, 10025), (584, 10088), (585, 10091), (601, 10142), (608, 10163), (617, 10190), (662, 10316), (677, 10346), (685, 10376),

Gene: SteamedHams_7 Start: 2796, Stop: 4250, Start Num: 115

Candidate Starts for SteamedHams_7:

(Start: 115 @2796 has 54 MA's), (133, 2820), (180, 2934), (184, 2943), (222, 3024), (244, 3108), (288, 3189), (391, 3336), (425, 3378), (446, 3429), (454, 3459), (459, 3477), (461, 3483), (544, 3711), (554, 3738), (560, 3753), (565, 3774), (591, 3858), (598, 3882), (648, 4026), (656, 4044), (662, 4056), (685, 4116), (687, 4119), (759, 4227),

Gene: Steamy_14 Start: 9733, Stop: 11208, Start Num: 74

Candidate Starts for Steamy_14:

(22, 9388), (Start: 74 @9733 has 530 MA's), (129, 9793), (174, 9898), (190, 9940), (223, 10012), (252, 10108), (288, 10180), (452, 10441), (459, 10468), (461, 10474), (467, 10495), (486, 10546), (601, 10840), (607, 10858), (617, 10888), (621, 10897), (640, 10957), (647, 10978), (659, 11008), (662, 11014), (677, 11044), (680, 11053), (694, 11086), (751, 11173), (755, 11182),

Gene: StepMih_14 Start: 8677, Stop: 10101, Start Num: 114

Candidate Starts for StepMih_14:

(Start: 74 @8647 has 530 MA's), (Start: 114 @8677 has 8 MA's), (129, 8704), (174, 8809), (223, 8923), (242, 8989), (265, 9046), (301, 9124), (303, 9127), (421, 9268), (459, 9379), (461, 9385), (467, 9406), (544, 9571), (584, 9697), (601, 9751), (603, 9757), (608, 9772), (621, 9808), (649, 9895), (662, 9925), (677, 9955), (696, 10000), (706, 10009),

Gene: Stephig9_10 Start: 7423, Stop: 8853, Start Num: 75

Candidate Starts for Stephig9_10:

(Start: 75 @7423 has 72 MA's), (173, 7573), (188, 7609), (233, 7720), (288, 7855), (363, 7966), (421, 8029), (440, 8074), (459, 8140), (467, 8167), (544, 8332), (576, 8434), (601, 8512), (603, 8518), (621, 8569), (662, 8686), (677, 8716), (706, 8770),

Gene: StewieG_11 Start: 8507, Stop: 9949, Start Num: 112

Candidate Starts for StewieG_11:

(64, 8441), (Start: 112 @8507 has 204 MA's), (195, 8705), (288, 8918), (421, 9113), (425, 9125), (459, 9224), (484, 9296), (547, 9419), (561, 9458), (584, 9536), (586, 9542), (601, 9590), (605, 9602), (608, 9611), (639, 9701), (677, 9791), (687, 9824), (696, 9836),

Gene: Stink_12 Start: 8543, Stop: 9997, Start Num: 74

Candidate Starts for Stink_12:

(Start: 74 @8543 has 530 MA's), (170, 8693), (174, 8705), (239, 8873), (246, 8903), (265, 8942), (276, 8960), (301, 9020), (414, 9149), (421, 9167), (425, 9179), (459, 9278), (461, 9284), (467, 9305), (468, 9311), (496, 9380), (544, 9485), (565, 9548), (584, 9611), (585, 9614), (601, 9665), (603, 9671), (608, 9686), (617, 9716), (647, 9806), (662, 9842), (677, 9872), (685, 9902), (756, 9983),

Gene: Stinson_9 Start: 3001, Stop: 4554, Start Num: 50

Candidate Starts for Stinson_9:

(23, 2758), (28, 2872), (31, 2899), (Start: 49 @2986 has 25 MA's), (Start: 50 @3001 has 160 MA's), (128, 3100), (131, 3109), (160, 3181), (Start: 166 @3190 has 2 MA's), (174, 3214), (186, 3247), (197, 3289), (231, 3358), (237, 3379), (248, 3421), (288, 3487), (294, 3502), (351, 3598), (366, 3622), (425, 3739), (441, 3772), (452, 3805), (464, 3847), (473, 3877), (517, 3910), (525, 3928), (546, 4006), (550, 4018), (552, 4021), (556, 4033), (557, 4036), (573, 4072), (585, 4120), (607, 4189), (640, 4285), (650, 4306), (661, 4333), (664, 4342), (681, 4378), (717, 4432),

Gene: Stormborn_3 Start: 1887, Stop: 3212, Start Num: 106

Candidate Starts for Stormborn_3:

(Start: 106 @1887 has 46 MA's), (113, 1893), (118, 1902), (128, 1920), (139, 1941), (165, 2001), (174, 2025), (180, 2034), (184, 2043), (190, 2067), (192, 2076), (227, 2136), (237, 2175), (239, 2181), (244, 2202), (246, 2211), (260, 2241), (302, 2316), (304, 2319), (306, 2322), (335, 2361), (338, 2364), (348, 2376), (366, 2388), (415, 2433), (424, 2457), (425, 2460), (430, 2469), (463, 2571), (474, 2607), (477, 2616), (499, 2658), (506, 2667), (509, 2676), (534, 2709), (547, 2754), (554, 2772), (584, 2871), (598, 2916), (603, 2931), (608, 2946), (610, 2958), (628, 2991), (639, 3042), (648, 3069), (658, 3090), (659, 3093), (662, 3099), (670, 3117), (678, 3132), (679, 3135), (689, 3165),

Gene: Strobilo_5 Start: 2088, Stop: 3593, Start Num: 50

Candidate Starts for Strobilo_5:

(Start: 50 @2088 has 160 MA's), (81, 2133), (109, 2154), (131, 2190), (Start: 166 @2271 has 2 MA's), (186, 2328), (189, 2340), (195, 2364), (197, 2370), (227, 2421), (231, 2439), (237, 2460), (246, 2496), (248, 2502), (271, 2526), (288, 2562), (333, 2652), (351, 2673), (368, 2700), (395, 2742), (396, 2748), (404, 2766), (425, 2814), (441, 2847), (457, 2901), (464, 2922), (473, 2952), (517, 2985), (525, 3003), (526, 3009), (535, 3033), (550, 3093), (555, 3105), (557, 3111), (571, 3150), (607, 3270), (628, 3312), (660, 3411), (661, 3414), (664, 3423), (684, 3474), (720, 3519), (760, 3570),

Gene: StrongArm_11 Start: 9382, Stop: 10824, Start Num: 112

Candidate Starts for StrongArm_11:

(64, 9316), (Start: 112 @9382 has 204 MA's), (195, 9580), (288, 9793), (421, 9988), (425, 10000), (459, 10099), (547, 10294), (561, 10333), (584, 10411), (586, 10417), (601, 10465), (605, 10477), (608, 10486), (639, 10576), (677, 10666), (687, 10699), (696, 10711),

Gene: Strosahl_15 Start: 8341, Stop: 9801, Start Num: 74

Candidate Starts for Strosahl_15:

(Start: 74 @8341 has 530 MA's), (129, 8401), (174, 8506), (196, 8572), (271, 8755), (288, 8788), (301, 8821), (452, 9052), (459, 9079), (461, 9085), (467, 9106), (474, 9127), (486, 9157), (501, 9181), (544, 9271), (555, 9301), (584, 9397), (593, 9424), (601, 9451), (607, 9469), (608, 9472), (617, 9505), (621, 9514), (662, 9631), (677, 9661), (706, 9715),

Gene: Stuu_3 Start: 2307, Stop: 3875, Start Num: 101

Candidate Starts for Stuu_3:

(Start: 101 @2307 has 12 MA's), (Start: 166 @2433 has 2 MA's), (246, 2658), (266, 2694), (273, 2703), (283, 2721), (318, 2796), (351, 2820), (421, 2925), (555, 3240), (561, 3258), (565, 3273), (566, 3276), (647, 3516), (745, 3690), (775, 3804),

Gene: SuMoo_3 Start: 2376, Stop: 3761, Start Num: 104

Candidate Starts for SuMoo_3:

(Start: 104 @2376 has 48 MA's), (Start: 166 @2496 has 2 MA's), (197, 2595), (237, 2685), (271, 2754), (314, 2838), (457, 3057), (481, 3132), (524, 3192), (566, 3333), (579, 3375), (641, 3558), (647, 3567), (650, 3576), (743, 3729),

Gene: Subaru_3 Start: 2266, Stop: 3642, Start Num: 104

Candidate Starts for Subaru_3:

(Start: 104 @2266 has 48 MA's), (Start: 166 @2386 has 2 MA's), (197, 2485), (318, 2749), (478, 3022), (555, 3181), (573, 3229), (579, 3259), (587, 3283), (647, 3457), (710, 3577),

Gene: Success_51 Start: 27373, Stop: 28797, Start Num: 91

Candidate Starts for Success_51:

(Start: 91 @27373 has 1 MA's), (157, 27505), (160, 27508), (190, 27586), (195, 27607), (205, 27628), (241, 27721), (270, 27802), (458, 28078), (463, 28093), (476, 28129), (507, 28192), (529, 28225), (544, 28267), (546, 28273), (549, 28282), (555, 28297), (566, 28336), (591, 28414), (601, 28447), (608, 28468), (643, 28570), (677, 28645), (684, 28672), (688, 28678),

Gene: Sue2_3 Start: 2267, Stop: 3634, Start Num: 104

Candidate Starts for Sue2_3:

(Start: 104 @2267 has 48 MA's), (160, 2378), (Start: 166 @2387 has 2 MA's), (197, 2486), (407, 2834), (478, 3023), (544, 3149), (579, 3257), (587, 3281), (635, 3416), (647, 3455), (650, 3464), (664, 3500), (672, 3515), (710, 3575),

Gene: Sujidade_8 Start: 4351, Stop: 5787, Start Num: 108

Candidate Starts for Sujidade_8:

(Start: 99 @4345 has 4 MA's), (Start: 108 @4351 has 156 MA's), (123, 4375), (136, 4399), (Start: 166 @4468 has 2 MA's), (184, 4516), (197, 4567), (271, 4750), (312, 4834), (346, 4876), (446, 5032), (449, 5044), (477, 5137), (520, 5215), (535, 5260), (549, 5317), (623, 5530), (631, 5554), (747, 5773),

Gene: Sulley_9 Start: 3008, Stop: 4561, Start Num: 50

Candidate Starts for Sulley_9:

(14, 2597), (23, 2765), (28, 2879), (31, 2906), (Start: 49 @2993 has 25 MA's), (Start: 50 @3008 has 160 MA's), (128, 3110), (131, 3119), (135, 3128), (Start: 166 @3200 has 2 MA's), (186, 3257), (188, 3266), (197, 3299), (198, 3302), (207, 3317), (231, 3368), (237, 3389), (294, 3509), (333, 3584), (351, 3605), (370, 3635), (425, 3746), (441, 3779), (452, 3812), (457, 3833), (464, 3854), (473, 3884), (517, 3917), (525, 3935), (546, 4013), (550, 4025), (552, 4028), (556, 4040), (557, 4043), (573, 4079), (585, 4127), (601, 4178), (607, 4196), (640, 4292), (650, 4313), (661, 4340), (664, 4349), (681, 4385), (717, 4439),

Gene: SummitAcademy_4 Start: 2650, Stop: 4083, Start Num: 115

Candidate Starts for SummitAcademy_4:

(Start: 115 @2650 has 54 MA's), (133, 2674), (142, 2698), (190, 2818), (191, 2824), (213, 2860), (228, 2896), (232, 2914), (241, 2947), (247, 2971), (288, 3040), (301, 3073), (425, 3229), (446, 3280), (454, 3310), (461, 3334), (474, 3376), (499, 3445), (530, 3511), (554, 3583), (607, 3754), (621, 3787), (640, 3847), (647, 3868), (662, 3901), (685, 3961), (687, 3964), (759, 4075),

Gene: Sumter_11 Start: 8250, Stop: 9692, Start Num: 112

Candidate Starts for Sumter_11:

(64, 8184), (Start: 112 @8250 has 204 MA's), (195, 8448), (288, 8661), (421, 8856), (422, 8859), (425, 8868), (459, 8967), (547, 9162), (561, 9201), (584, 9279), (586, 9285), (601, 9333), (605, 9345), (608, 9354), (639, 9444), (677, 9534), (687, 9567), (696, 9579),

Gene: Sunflower1121_7 Start: 2861, Stop: 4411, Start Num: 50

Candidate Starts for Sunflower1121_7:

(28, 2729), (31, 2756), (Start: 49 @2846 has 25 MA's), (Start: 50 @2861 has 160 MA's), (70, 2891), (131, 2969), (Start: 166 @3050 has 2 MA's), (174, 3074), (188, 3116), (231, 3218), (237, 3239), (241, 3254), (248, 3281), (294, 3359), (315, 3398), (351, 3455), (395, 3524), (404, 3548), (421, 3584), (425, 3596), (441, 3629), (452, 3662), (457, 3683), (464, 3704), (473, 3734), (517, 3767), (525, 3785), (550, 3875), (552, 3878), (557, 3893), (573, 3929), (575, 3935), (585, 3977), (601, 4028), (607, 4046), (639, 4139), (640, 4142), (650, 4163), (660, 4187), (661, 4190), (664, 4199),

Gene: Sunhee_11 Start: 8309, Stop: 9775, Start Num: 74

Candidate Starts for Sunhee_11:

(Start: 74 @8309 has 530 MA's), (90, 8321), (129, 8369), (174, 8474), (276, 8729), (288, 8756), (422, 8936), (424, 8942), (452, 9017), (459, 9044), (461, 9050), (466, 9068), (467, 9071), (474, 9092), (486, 9122), (499, 9143), (511, 9161), (561, 9284), (592, 9386), (601, 9416), (607, 9434), (608, 9437), (612, 9452), (617, 9464), (621, 9473), (640, 9533), (662, 9590), (667, 9602), (677, 9620), (685, 9650),

Gene: SunsetPointe_7 Start: 4080, Stop: 5522, Start Num: 108

Candidate Starts for SunsetPointe_7:

(Start: 96 @4071 has 3 MA's), (Start: 99 @4074 has 4 MA's), (Start: 108 @4080 has 156 MA's), (Start: 166 @4197 has 2 MA's), (184, 4245), (312, 4563), (346, 4605), (364, 4632), (398, 4665), (446, 4758), (449, 4770), (477, 4863), (520, 4941), (535, 4986), (549, 5043), (558, 5067), (631, 5280), (747, 5508),

Gene: Sunshine924_11 Start: 8233, Stop: 9675, Start Num: 112

Candidate Starts for Sunshine924_11:

(64, 8167), (Start: 112 @8233 has 204 MA's), (195, 8431), (288, 8644), (421, 8839), (459, 8950), (484, 9022), (547, 9145), (561, 9184), (584, 9262), (586, 9268), (601, 9316), (605, 9328), (608, 9337), (639, 9427), (677, 9517), (687, 9550), (696, 9562),

Gene: SuperAwesome_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for SuperAwesome_16:

(Start: 74 @9274 has 530 MA's), (97, 9295), (129, 9334), (167, 9421), (171, 9433), (174, 9439), (288, 9721), (434, 9934), (452, 9985), (459, 10012), (461, 10018), (467, 10039), (608, 10405), (617, 10432), (621, 10441), (640, 10501), (662, 10558), (677, 10588), (685, 10618), (709, 10645),

Gene: SuperCallie99_16 Start: 9275, Stop: 10738, Start Num: 74

Candidate Starts for SuperCallie99_16:

(Start: 74 @9275 has 530 MA's), (97, 9296), (129, 9335), (167, 9422), (171, 9434), (174, 9440), (288, 9722), (434, 9935), (452, 9986), (459, 10013), (461, 10019), (467, 10040), (608, 10406), (617, 10433), (621, 10442), (640, 10502), (662, 10559), (677, 10589), (685, 10619), (709, 10646),

Gene: Superchunk_12 Start: 7939, Stop: 9396, Start Num: 74

Candidate Starts for Superchunk_12:

(Start: 74 @7939 has 530 MA's), (129, 7999), (170, 8092), (174, 8104), (288, 8386), (452, 8647), (459, 8674), (461, 8680), (467, 8701), (561, 8914), (601, 9046), (607, 9064), (608, 9067), (617, 9094), (621, 9103), (649, 9190), (662, 9220), (677, 9250), (685, 9280), (706, 9304),

Gene: Supernova_3 Start: 1881, Stop: 3206, Start Num: 106

Candidate Starts for Supernova_3:

(Start: 106 @1881 has 46 MA's), (118, 1896), (128, 1914), (139, 1935), (157, 1986), (165, 1995), (167, 2001), (174, 2019), (180, 2028), (184, 2037), (185, 2040), (190, 2061), (192, 2070), (227, 2130), (244, 2196), (246, 2205), (260, 2235), (304, 2313), (306, 2316), (317, 2340), (338, 2358), (348, 2370), (408, 2415), (417, 2433), (418, 2436), (424, 2451), (425, 2454), (430, 2463), (459, 2553), (463, 2565), (477, 2610), (499, 2652), (506, 2661), (534, 2703), (537, 2718), (547, 2748), (549, 2754), (550, 2757), (554, 2766), (576, 2841), (584, 2865), (598, 2910), (621, 2979), (628, 2985), (639, 3036), (642, 3048), (658, 3084), (659, 3087), (662, 3093), (663, 3096), (665, 3102), (670, 3111), (678, 3126), (679, 3129), (689, 3159),

Gene: Superstar_9 Start: 4995, Stop: 6473, Start Num: 108

Candidate Starts for Superstar_9:

(Start: 108 @4995 has 156 MA's), (Start: 166 @5112 has 2 MA's), (187, 5172), (197, 5211), (231, 5304), (346, 5517), (364, 5544), (444, 5664), (446, 5670), (449, 5682), (470, 5757), (477, 5775), (481, 5787), (483, 5793), (535, 5940), (549, 5997), (565, 6045), (607, 6177), (631, 6234), (655, 6312), (661, 6324), (680, 6366), (747, 6459),

Gene: Survivors_7 Start: 3540, Stop: 4985, Start Num: 115

Candidate Starts for Survivors_7:

(Start: 115 @3540 has 54 MA's), (126, 3552), (129, 3558), (147, 3600), (156, 3630), (190, 3708), (227, 3777), (288, 3924), (412, 4083), (424, 4113), (429, 4122), (454, 4197), (461, 4221), (463, 4227), (495, 4323), (506, 4341), (520, 4371), (534, 4407), (554, 4470), (568, 4515), (596, 4605), (600, 4620), (604, 4632), (607, 4641), (617, 4665), (640, 4734), (656, 4776), (662, 4788), (663, 4791), (693, 4857), (704,

4863),

Gene: Swann_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Swann_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: SweatNTears_7 Start: 3313, Stop: 4767, Start Num: 115

Candidate Starts for SweatNTears_7:

(Start: 115 @3313 has 54 MA's), (133, 3337), (180, 3451), (184, 3460), (242, 3616), (244, 3625), (288, 3706), (391, 3853), (425, 3895), (454, 3976), (459, 3994), (461, 4000), (498, 4108), (544, 4228), (554, 4255), (565, 4291), (598, 4399), (605, 4420), (648, 4543), (662, 4573), (685, 4633), (687, 4636), (759, 4744),

Gene: SweetiePie_13 Start: 9170, Stop: 10633, Start Num: 74

Candidate Starts for SweetiePie_13:

(Start: 74 @9170 has 530 MA's), (129, 9230), (174, 9335), (246, 9533), (288, 9617), (301, 9650), (388, 9761), (452, 9878), (459, 9905), (461, 9911), (467, 9932), (468, 9938), (486, 9983), (547, 10106), (601, 10277), (607, 10295), (608, 10298), (617, 10325), (621, 10334), (662, 10451), (677, 10481), (685, 10511),

Gene: Sweets_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Sweets_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (641, 3154), (662, 3205),

Gene: SwirlSquare_15 Start: 8071, Stop: 9528, Start Num: 74

Candidate Starts for SwirlSquare_15:

(Start: 74 @8071 has 530 MA's), (129, 8131), (174, 8236), (281, 8500), (288, 8518), (425, 8707), (452, 8779), (459, 8806), (461, 8812), (467, 8833), (561, 9046), (601, 9178), (607, 9196), (608, 9199), (617, 9226), (621, 9235), (649, 9322), (662, 9352), (677, 9382), (685, 9412), (706, 9436),

Gene: Swirley_10 Start: 7909, Stop: 9342, Start Num: 75

Candidate Starts for Swirley_10:

(Start: 75 @7909 has 72 MA's), (179, 8065), (185, 8077), (188, 8092), (190, 8098), (252, 8266), (265, 8293), (301, 8371), (363, 8452), (424, 8524), (425, 8527), (452, 8599), (461, 8632), (467, 8653), (473, 8671), (477, 8683), (501, 8728), (584, 8944), (601, 8998), (607, 9016), (621, 9055), (662, 9172), (677, 9202), (685, 9232), (706, 9256),

Gene: SwissCheese_12 Start: 8695, Stop: 10137, Start Num: 112

Candidate Starts for SwissCheese_12:

(64, 8629), (Start: 112 @8695 has 204 MA's), (195, 8893), (288, 9106), (421, 9301), (425, 9313), (459, 9412), (484, 9484), (547, 9607), (561, 9646), (584, 9724), (586, 9730), (601, 9778), (605, 9790), (608, 9799), (639, 9889), (677, 9979), (687, 10012), (696, 10024),

Gene: Switzer_13 Start: 8618, Stop: 10060, Start Num: 112

Candidate Starts for Switzer_13:

(64, 8552), (Start: 112 @8618 has 204 MA's), (195, 8816), (288, 9029), (421, 9224), (422, 9227), (459, 9335), (547, 9530), (561, 9569), (584, 9647), (586, 9653), (601, 9701), (605, 9713), (608, 9722), (639,

9812), (677, 9902), (687, 9935), (696, 9947),

Gene: Switzerland_15 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for Switzerland_15:

(Start: 74 @8502 has 530 MA's), (129, 8562), (174, 8667), (196, 8733), (271, 8916), (288, 8949), (301, 8982), (452, 9213), (459, 9240), (461, 9246), (467, 9267), (474, 9288), (486, 9318), (501, 9342), (544, 9432), (555, 9462), (584, 9558), (593, 9585), (601, 9612), (607, 9630), (608, 9633), (617, 9666), (621, 9675), (662, 9792), (677, 9822), (706, 9876),

Gene: Swole_14 Start: 9164, Stop: 10606, Start Num: 112

Candidate Starts for Swole_14:

(64, 9098), (Start: 112 @9164 has 204 MA's), (195, 9362), (288, 9575), (421, 9770), (425, 9782), (459, 9881), (484, 9953), (547, 10076), (561, 10115), (584, 10193), (586, 10199), (601, 10247), (605, 10259), (608, 10268), (639, 10358), (677, 10448), (687, 10481), (696, 10493),

Gene: SydNat_10 Start: 8016, Stop: 9449, Start Num: 75

Candidate Starts for SydNat_10:

(Start: 75 @8016 has 72 MA's), (170, 8151), (185, 8184), (188, 8199), (190, 8205), (197, 8232), (252, 8373), (265, 8400), (301, 8478), (363, 8559), (421, 8622), (422, 8625), (424, 8631), (425, 8634), (452, 8706), (461, 8739), (467, 8760), (477, 8790), (584, 9051), (601, 9105), (607, 9123), (621, 9162), (662, 9279), (677, 9309), (696, 9354), (706, 9363),

Gene: Syleon_14 Start: 6515, Stop: 8011, Start Num: 59

Candidate Starts for Syleon_14:

(Start: 59 @6515 has 72 MA's), (88, 6557), (90, 6560), (Start: 114 @6590 has 8 MA's), (123, 6608), (131, 6626), (195, 6797), (227, 6857), (231, 6875), (273, 6983), (278, 6992), (286, 7007), (288, 7016), (308, 7058), (407, 7154), (433, 7214), (437, 7220), (462, 7298), (516, 7388), (526, 7409), (564, 7535), (565, 7538), (576, 7574), (587, 7607), (601, 7652), (603, 7658), (622, 7700), (623, 7703), (628, 7712), (631, 7727), (639, 7763), (641, 7772), (643, 7778), (648, 7784), (655, 7805), (660, 7814), (682, 7865), (690, 7880), (695, 7886), (709, 7901),

Gene: Syra333_8 Start: 2966, Stop: 4513, Start Num: 50

Candidate Starts for Syra333_8:

(28, 2834), (31, 2861), (Start: 49 @2951 has 25 MA's), (Start: 50 @2966 has 160 MA's), (70, 2996), (131, 3071), (Start: 166 @3152 has 2 MA's), (174, 3176), (188, 3218), (231, 3320), (237, 3341), (241, 3356), (248, 3383), (255, 3404), (294, 3461), (315, 3500), (351, 3557), (395, 3626), (404, 3650), (421, 3686), (425, 3698), (441, 3731), (452, 3764), (457, 3785), (464, 3806), (473, 3836), (517, 3869), (525, 3887), (550, 3977), (552, 3980), (557, 3995), (573, 4031), (575, 4037), (576, 4052), (585, 4079), (601, 4130), (607, 4148), (639, 4241), (640, 4244), (650, 4265), (660, 4289), (661, 4292), (664, 4301),

Gene: TBond007_8 Start: 2673, Stop: 4238, Start Num: 50

Candidate Starts for TBond007_8:

(37, 2640), (Start: 50 @2673 has 160 MA's), (128, 2778), (131, 2787), (137, 2802), (174, 2892), (186, 2925), (189, 2937), (197, 2967), (231, 3036), (237, 3057), (241, 3072), (248, 3099), (286, 3150), (288, 3159), (294, 3174), (315, 3213), (333, 3249), (346, 3264), (351, 3270), (357, 3279), (366, 3294), (396, 3345), (425, 3411), (441, 3444), (444, 3450), (452, 3477), (457, 3498), (464, 3519), (517, 3582), (525, 3600), (546, 3678), (550, 3690), (552, 3693), (557, 3708), (583, 3789), (585, 3795), (600, 3843), (607, 3864), (650, 3981), (661, 4008), (664, 4017), (681, 4053),

Gene: TChen_3 Start: 2233, Stop: 3708, Start Num: 62

Candidate Starts for TChen_3:

(Start: 62 @2233 has 13 MA's), (70, 2245), (88, 2266), (Start: 106 @2287 has 46 MA's), (177, 2434), (184, 2446), (189, 2467), (190, 2470), (223, 2530), (231, 2557), (233, 2563), (239, 2584), (269, 2656),

(276, 2659), (277, 2662), (281, 2668), (289, 2692), (298, 2710), (318, 2752), (334, 2764), (337, 2767), (363, 2800), (382, 2824), (391, 2830), (422, 2863), (424, 2869), (440, 2905), (449, 2935), (450, 2938), (452, 2944), (458, 2968), (461, 2977), (475, 3022), (481, 3040), (486, 3049), (514, 3112), (523, 3133), (532, 3160), (547, 3211), (555, 3232), (565, 3265), (568, 3274), (583, 3325), (584, 3328), (596, 3364), (605, 3394), (606, 3397), (616, 3427), (628, 3445), (647, 3520), (656, 3541), (678, 3586), (712, 3634),

Gene: TClif_8 Start: 2886, Stop: 4448, Start Num: 49

Candidate Starts for TClif_8:

(Start: 49 @2886 has 25 MA's), (Start: 50 @2901 has 160 MA's), (109, 2976), (131, 3012), (Start: 166 @3093 has 2 MA's), (174, 3117), (186, 3150), (188, 3159), (231, 3261), (237, 3282), (241, 3297), (246, 3318), (248, 3324), (273, 3354), (294, 3402), (333, 3477), (351, 3498), (395, 3567), (404, 3591), (421, 3627), (425, 3639), (441, 3672), (444, 3678), (449, 3696), (457, 3726), (464, 3747), (473, 3777), (517, 3810), (525, 3828), (546, 3906), (550, 3918), (552, 3921), (557, 3936), (573, 3972), (575, 3978), (601, 4071), (607, 4089), (639, 4182), (650, 4206), (661, 4233), (664, 4242), (720, 4338),

Gene: TM4_5 Start: 2101, Stop: 3606, Start Num: 50

Candidate Starts for TM4_5:

(Start: 50 @2101 has 160 MA's), (58, 2119), (81, 2146), (109, 2167), (124, 2191), (131, 2203), (Start: 166 @2284 has 2 MA's), (186, 2341), (189, 2353), (195, 2377), (197, 2383), (227, 2434), (231, 2452), (237, 2473), (246, 2509), (248, 2515), (271, 2539), (288, 2575), (333, 2665), (351, 2686), (368, 2713), (395, 2755), (396, 2761), (404, 2779), (425, 2827), (441, 2860), (457, 2914), (464, 2935), (473, 2965), (517, 2998), (525, 3016), (526, 3022), (535, 3046), (550, 3106), (555, 3118), (557, 3124), (571, 3163), (607, 3283), (628, 3325), (660, 3424), (661, 3427), (664, 3436), (684, 3487), (720, 3532), (760, 3583),

Gene: TMaxx_5 Start: 2730, Stop: 4205, Start Num: 80

Candidate Starts for TMaxx_5:

(Start: 80 @2730 has 8 MA's), (151, 2853), (165, 2874), (249, 3105), (446, 3402), (450, 3417), (461, 3456), (499, 3567), (540, 3642), (546, 3660), (547, 3663), (576, 3756), (601, 3834), (648, 3972), (662, 4002), (670, 4020), (694, 4074), (757, 4188),

Gene: TNguyen7_12 Start: 8163, Stop: 9629, Start Num: 75

Candidate Starts for TNguyen7_12:

(Start: 75 @8163 has 72 MA's), (174, 8334), (204, 8418), (233, 8481), (242, 8514), (246, 8532), (265, 8571), (281, 8598), (300, 8646), (418, 8787), (422, 8796), (452, 8877), (458, 8901), (459, 8904), (461, 8910), (466, 8928), (467, 8931), (468, 8937), (544, 9108), (584, 9234), (585, 9237), (601, 9288), (603, 9294), (608, 9309), (617, 9339), (662, 9465), (677, 9495), (687, 9525),

Gene: TPA4_3 Start: 2235, Stop: 3725, Start Num: 62

Candidate Starts for TPA4_3:

(30, 2079), (36, 2139), (Start: 62 @2235 has 13 MA's), (140, 2346), (184, 2451), (219, 2529), (228, 2547), (231, 2562), (269, 2661), (277, 2667), (408, 2841), (422, 2871), (424, 2877), (429, 2886), (461, 2985), (481, 3048), (486, 3057), (561, 3258), (596, 3372), (598, 3381), (616, 3435), (628, 3453), (640, 3507),

Gene: TWAMP_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for TWAMP_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Tachez_9 Start: 2992, Stop: 4545, Start Num: 50

Candidate Starts for Tachez_9:

(31, 2890), (Start: 49 @2977 has 25 MA's), (Start: 50 @2992 has 160 MA's), (128, 3094), (131, 3103), (160, 3175), (Start: 166 @3184 has 2 MA's), (174, 3208), (186, 3241), (188, 3250), (231, 3352), (237, 3373), (247, 3412), (248, 3415), (288, 3478), (294, 3493), (307, 3517), (333, 3568), (351, 3589), (385, 3643), (441, 3763), (452, 3796), (457, 3817), (464, 3838), (473, 3868), (517, 3901), (525, 3919), (541, 3979), (546, 3997), (550, 4009), (552, 4012), (556, 4024), (557, 4027), (573, 4063), (585, 4111), (601, 4162), (607, 4180), (640, 4276), (650, 4297), (661, 4324), (664, 4333), (681, 4369),

Gene: TagePighter_8 Start: 4055, Stop: 5491, Start Num: 108

Candidate Starts for TagePighter_8:

(Start: 99 @4049 has 4 MA's), (Start: 108 @4055 has 156 MA's), (123, 4079), (136, 4103), (Start: 166 @4172 has 2 MA's), (184, 4220), (187, 4232), (197, 4271), (249, 4424), (312, 4538), (346, 4580), (398, 4640), (401, 4646), (446, 4736), (449, 4748), (470, 4823), (477, 4841), (520, 4919), (535, 4964), (549, 5021), (623, 5234), (631, 5258), (680, 5390), (726, 5456), (747, 5477),

Gene: Taheera_3 Start: 1892, Stop: 3412, Start Num: 59

Candidate Starts for Taheera_3:

(9, 1325), (12, 1424), (15, 1460), (16, 1493), (18, 1508), (24, 1637), (Start: 59 @1892 has 72 MA's), (105, 1943), (117, 1955), (118, 1958), (184, 2099), (201, 2162), (238, 2246), (239, 2249), (286, 2339), (301, 2378), (450, 2597), (461, 2636), (489, 2723), (506, 2756), (534, 2813), (553, 2873), (554, 2876), (601, 3032), (662, 3209), (679, 3245), (688, 3272), (711, 3290),

Gene: TaiwanKao_9 Start: 2998, Stop: 4551, Start Num: 50

Candidate Starts for TaiwanKao_9:

(23, 2755), (31, 2896), (Start: 49 @2983 has 25 MA's), (Start: 50 @2998 has 160 MA's), (128, 3097), (131, 3106), (Start: 166 @3187 has 2 MA's), (174, 3211), (186, 3244), (197, 3286), (231, 3355), (237, 3376), (247, 3415), (288, 3484), (294, 3499), (333, 3574), (351, 3595), (385, 3649), (441, 3769), (452, 3802), (457, 3823), (464, 3844), (473, 3874), (517, 3907), (525, 3925), (546, 4003), (550, 4015), (552, 4018), (556, 4030), (557, 4033), (573, 4069), (585, 4117), (607, 4186), (640, 4282), (650, 4303), (661, 4330), (664, 4339), (681, 4375), (717, 4429),

Gene: Takoda_9 Start: 4827, Stop: 6257, Start Num: 74

Candidate Starts for Takoda_9:

(Start: 74 @4827 has 530 MA's), (185, 5004), (190, 5025), (197, 5052), (204, 5067), (271, 5229), (281, 5244), (363, 5373), (424, 5445), (455, 5532), (457, 5541), (459, 5547), (474, 5595), (511, 5664), (516, 5673), (547, 5748), (550, 5757), (593, 5892), (607, 5937), (608, 5940), (640, 6033), (662, 6090), (677, 6120), (685, 6147), (696, 6159), (702, 6165),

Gene: Tallboi_3 Start: 2284, Stop: 3660, Start Num: 104

Candidate Starts for Tallboi_3:

(Start: 104 @2284 has 48 MA's), (Start: 166 @2404 has 2 MA's), (197, 2503), (249, 2638), (318, 2767), (478, 3040), (555, 3199), (573, 3247), (579, 3277), (587, 3301), (647, 3475), (710, 3595),

Gene: Taquarus_12 Start: 8581, Stop: 10032, Start Num: 74

Candidate Starts for Taquarus_12:

(Start: 74 @8581 has 530 MA's), (170, 8728), (174, 8740), (239, 8908), (246, 8938), (265, 8977), (276, 8995), (301, 9055), (414, 9184), (421, 9202), (425, 9214), (459, 9313), (461, 9319), (467, 9340), (468, 9346), (496, 9415), (528, 9475), (544, 9520), (584, 9646), (585, 9649), (601, 9700), (608, 9721), (617, 9751), (647, 9841), (662, 9877), (677, 9907), (685, 9937),

Gene: Taquito_8 Start: 3533, Stop: 5119, Start Num: 50

Candidate Starts for Taquito_8:

(Start: 49 @3518 has 25 MA's), (Start: 50 @3533 has 160 MA's), (60, 3557), (109, 3623), (135, 3668), (186, 3797), (188, 3806), (189, 3809), (197, 3839), (231, 3908), (237, 3929), (246, 3965), (248, 3971),

(271, 3995), (288, 4031), (294, 4046), (315, 4085), (399, 4220), (404, 4229), (414, 4247), (424, 4274), (425, 4277), (441, 4310), (452, 4343), (457, 4364), (464, 4385), (517, 4448), (526, 4472), (535, 4496), (546, 4544), (550, 4556), (555, 4568), (557, 4574), (571, 4613), (605, 4727), (607, 4733), (650, 4904), (661, 4931), (664, 4940), (693, 5003), (704, 5015),

Gene: Target_14 Start: 9457, Stop: 10923, Start Num: 75

Candidate Starts for Target_14:

(Start: 75 @9457 has 72 MA's), (174, 9607), (252, 9847), (281, 9901), (291, 9931), (301, 9952), (363, 10033), (421, 10096), (459, 10207), (461, 10213), (467, 10234), (501, 10309), (511, 10324), (565, 10465), (601, 10582), (607, 10600), (621, 10639), (662, 10756), (677, 10786), (681, 10798),

Gene: TarsusIV_13 Start: 9241, Stop: 10716, Start Num: 74

Candidate Starts for TarsusIV_13:

(Start: 74 @9241 has 530 MA's), (129, 9301), (174, 9406), (288, 9688), (301, 9721), (452, 9949), (459, 9976), (461, 9982), (467, 10003), (468, 10009), (486, 10054), (561, 10216), (601, 10348), (607, 10366), (608, 10369), (617, 10396), (621, 10405), (662, 10522), (677, 10552), (685, 10582), (706, 10606), (761, 10693),

Gene: Tarynearal_9 Start: 7936, Stop: 9369, Start Num: 75

Candidate Starts for Tarynearal_9:

(Start: 75 @7936 has 72 MA's), (179, 8092), (185, 8104), (188, 8119), (190, 8125), (252, 8293), (265, 8320), (301, 8398), (363, 8479), (424, 8551), (425, 8554), (452, 8626), (461, 8659), (467, 8680), (473, 8698), (477, 8710), (501, 8755), (584, 8971), (601, 9025), (607, 9043), (621, 9082), (662, 9199), (677, 9229), (685, 9259), (706, 9283),

Gene: Tasp14_13 Start: 8935, Stop: 10377, Start Num: 112

Candidate Starts for Tasp14_13:

(64, 8869), (Start: 112 @8935 has 204 MA's), (195, 9133), (288, 9346), (421, 9541), (425, 9553), (459, 9652), (547, 9847), (561, 9886), (584, 9964), (586, 9970), (601, 10018), (605, 10030), (608, 10039), (639, 10129), (677, 10219), (687, 10252), (696, 10264),

Gene: Taurus_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for Taurus_14:

(Start: 74 @8652 has 530 MA's), (Start: 114 @8682 has 8 MA's), (129, 8709), (174, 8814), (223, 8928), (242, 8994), (265, 9051), (301, 9129), (303, 9132), (421, 9273), (459, 9384), (461, 9390), (467, 9411), (544, 9576), (584, 9702), (601, 9756), (603, 9762), (608, 9777), (621, 9813), (649, 9900), (662, 9930), (677, 9960), (696, 10005), (706, 10014),

Gene: Tbone_3 Start: 2269, Stop: 3645, Start Num: 104

Candidate Starts for Tbone_3:

(Start: 104 @2269 has 48 MA's), (Start: 166 @2389 has 2 MA's), (197, 2488), (216, 2527), (318, 2752), (412, 2845), (478, 3025), (558, 3193), (573, 3232), (579, 3262), (587, 3286), (647, 3460), (650, 3469), (710, 3580),

Gene: Tchotchke_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for Tchotchke_4:

(Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (336, 2704), (366, 2746), (397, 2797), (406, 2815), (421, 2848), (424, 2857), (425, 2860), (447, 2908), (449, 2917), (457, 2947), (463, 2965), (473, 2998), (526, 3055), (550, 3139), (557, 3157), (565, 3184), (571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532), (728, 3580),

Gene: Teejan_5 Start: 2283, Stop: 3839, Start Num: 50

Candidate Starts for Teejan_5:

(29, 2157), (31, 2178), (Start: 49 @2268 has 25 MA's), (Start: 50 @2283 has 160 MA's), (109, 2352), (119, 2367), (131, 2388), (Start: 166 @2469 has 2 MA's), (174, 2493), (186, 2526), (195, 2562), (231, 2637), (237, 2658), (241, 2673), (294, 2778), (327, 2844), (351, 2874), (383, 2928), (404, 2970), (421, 3006), (425, 3018), (441, 3051), (452, 3084), (464, 3126), (473, 3156), (517, 3189), (525, 3207), (526, 3213), (541, 3267), (546, 3285), (550, 3297), (556, 3312), (557, 3315), (569, 3348), (600, 3447), (601, 3450), (607, 3468), (628, 3510), (639, 3561), (640, 3564), (650, 3585), (660, 3609), (661, 3612), (664, 3621), (681, 3657), (684, 3672), (701, 3693),

Gene: Tefunt_7 Start: 3857, Stop: 5332, Start Num: 108

Candidate Starts for Tefunt_7:

(Start: 108 @3857 has 156 MA's), (Start: 166 @3974 has 2 MA's), (197, 4073), (231, 4166), (398, 4439), (449, 4544), (470, 4619), (477, 4637), (481, 4649), (483, 4655), (535, 4802), (547, 4853), (549, 4859), (565, 4907), (607, 5039), (631, 5096), (661, 5186), (747, 5318),

Gene: Temprado_17 Start: 9284, Stop: 10750, Start Num: 74

Candidate Starts for Temprado_17:

(Start: 74 @9284 has 530 MA's), (97, 9305), (129, 9344), (167, 9431), (171, 9443), (174, 9449), (288, 9731), (315, 9785), (434, 9944), (452, 9995), (459, 10022), (461, 10028), (467, 10049), (561, 10262), (608, 10415), (612, 10430), (617, 10442), (621, 10451), (641, 10517), (649, 10538), (662, 10568), (677, 10598), (685, 10628),

Gene: Teodoridan_10 Start: 8066, Stop: 9508, Start Num: 112

Candidate Starts for Teodoridan_10:

(64, 8000), (Start: 112 @8066 has 204 MA's), (195, 8264), (288, 8477), (421, 8672), (425, 8684), (459, 8783), (484, 8855), (547, 8978), (561, 9017), (584, 9095), (586, 9101), (601, 9149), (605, 9161), (608, 9170), (639, 9260), (677, 9350), (687, 9383), (696, 9395),

Gene: Terrific_17 Start: 9722, Stop: 11182, Start Num: 74

Candidate Starts for Terrific_17:

(Start: 74 @9722 has 530 MA's), (129, 9782), (170, 9875), (174, 9887), (288, 10169), (301, 10202), (422, 10349), (425, 10358), (452, 10430), (459, 10457), (461, 10463), (467, 10484), (565, 10712), (601, 10829), (608, 10850), (617, 10877), (621, 10886), (662, 11003), (677, 11033), (685, 11063), (706, 11087),

Gene: Terror_3 Start: 1892, Stop: 3412, Start Num: 59

Candidate Starts for Terror_3:

(9, 1325), (12, 1424), (15, 1460), (16, 1493), (18, 1508), (24, 1637), (Start: 59 @1892 has 72 MA's), (105, 1943), (117, 1955), (118, 1958), (184, 2099), (201, 2162), (238, 2246), (239, 2249), (286, 2339), (301, 2378), (450, 2597), (461, 2636), (489, 2723), (506, 2756), (534, 2813), (553, 2873), (554, 2876), (601, 3032), (662, 3209), (679, 3245), (688, 3272), (711, 3290),

Gene: Tesla_35 Start: 12482, Stop: 14047, Start Num: 48

Candidate Starts for Tesla_35:

(Start: 48 @12482 has 17 MA's), (119, 12599), (172, 12719), (190, 12764), (192, 12773), (233, 12863), (245, 12911), (246, 12914), (277, 12956), (281, 12959), (289, 12983), (334, 13055), (337, 13058), (367, 13097), (384, 13118), (386, 13121), (424, 13166), (456, 13256), (458, 13265), (461, 13274), (474, 13316), (475, 13319), (488, 13358), (510, 13400), (512, 13406), (514, 13409), (532, 13454), (554, 13523), (584, 13622), (588, 13634), (622, 13733), (641, 13799), (651, 13820), (656, 13835), (706, 13928), (717, 13943),

Gene: Texage_12 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Texage_12:

(Start: 74 @8738 has 530 MA's), (117, 8777), (174, 8903), (204, 8987), (233, 9050), (242, 9083), (246, 9101), (265, 9140), (281, 9167), (301, 9218), (414, 9344), (418, 9356), (424, 9371), (425, 9374), (452, 9446), (459, 9473), (461, 9479), (467, 9500), (468, 9506), (477, 9530), (496, 9572), (544, 9677), (584, 9803), (585, 9806), (601, 9857), (603, 9863), (608, 9878), (617, 9908), (662, 10034), (677, 10064), (687, 10094),

Gene: TforTroy_3 Start: 2278, Stop: 3813, Start Num: 101

Candidate Starts for TforTroy_3:

(Start: 101 @2278 has 12 MA's), (Start: 166 @2398 has 2 MA's), (197, 2497), (318, 2761), (478, 3031), (555, 3190), (573, 3238), (579, 3268), (587, 3292), (647, 3466), (664, 3511), (704, 3577), (760, 3676), (765, 3700),

Gene: Thanksgivukkah_12 Start: 8583, Stop: 10034, Start Num: 74

Candidate Starts for Thanksgivukkah_12:

(Start: 74 @8583 has 530 MA's), (170, 8730), (174, 8742), (239, 8910), (246, 8940), (265, 8979), (276, 8997), (301, 9057), (414, 9186), (421, 9204), (425, 9216), (459, 9315), (461, 9321), (467, 9342), (468, 9348), (496, 9417), (528, 9477), (544, 9522), (584, 9648), (585, 9651), (601, 9702), (608, 9723), (617, 9753), (647, 9843), (662, 9879), (677, 9909), (685, 9939),

Gene: ThayneTheZag_4 Start: 2272, Stop: 3609, Start Num: 111

Candidate Starts for ThayneTheZag_4:

(Start: 96 @2260 has 3 MA's), (Start: 111 @2272 has 22 MA's), (165, 2383), (170, 2395), (227, 2536), (246, 2611), (277, 2653), (288, 2677), (328, 2758), (377, 2818), (422, 2863), (430, 2881), (455, 2953), (457, 2962), (461, 2974), (462, 2977), (468, 3001), (485, 3043), (547, 3169), (550, 3178), (583, 3283), (587, 3295), (600, 3337), (603, 3346), (635, 3430), (677, 3535), (678, 3538), (681, 3544), (716, 3595),

Gene: Theia_9 Start: 7875, Stop: 9308, Start Num: 75

Candidate Starts for Theia_9:

(Start: 75 @7875 has 72 MA's), (170, 8010), (185, 8043), (188, 8058), (190, 8064), (252, 8232), (265, 8259), (301, 8337), (363, 8418), (424, 8490), (425, 8493), (452, 8565), (461, 8598), (467, 8619), (477, 8649), (484, 8664), (501, 8694), (584, 8910), (601, 8964), (607, 8982), (621, 9021), (662, 9138), (677, 9168), (685, 9198), (706, 9222),

Gene: TheloniousMonk_14 Start: 9678, Stop: 11120, Start Num: 112

Candidate Starts for TheloniousMonk_14:

(64, 9612), (Start: 112 @9678 has 204 MA's), (195, 9876), (288, 10089), (421, 10284), (425, 10296), (459, 10395), (484, 10467), (547, 10590), (561, 10629), (584, 10707), (586, 10713), (601, 10761), (605, 10773), (608, 10782), (639, 10872), (677, 10962), (687, 10995), (696, 11007),

Gene: Thestral_8 Start: 3928, Stop: 5409, Start Num: 108

Candidate Starts for Thestral_8:

(Start: 108 @3928 has 156 MA's), (Start: 166 @4045 has 2 MA's), (184, 4093), (187, 4105), (197, 4144), (231, 4237), (237, 4258), (346, 4450), (364, 4477), (449, 4615), (470, 4690), (477, 4708), (483, 4726), (486, 4735), (527, 4852), (535, 4873), (549, 4930), (565, 4978), (607, 5110), (631, 5167), (661, 5257), (664, 5266), (747, 5395),

Gene: ThetaBob_3 Start: 2233, Stop: 3708, Start Num: 62

Candidate Starts for ThetaBob_3:

(Start: 62 @2233 has 13 MA's), (70, 2245), (88, 2266), (Start: 106 @2287 has 46 MA's), (177, 2434), (184, 2446), (189, 2467), (190, 2470), (223, 2530), (231, 2557), (233, 2563), (239, 2584), (269, 2656), (276, 2659), (277, 2662), (281, 2668), (289, 2692), (298, 2710), (318, 2752), (331, 2761), (337, 2767), (363, 2800), (382, 2824), (391, 2830), (422, 2863), (424, 2869), (440, 2905), (449, 2935), (450, 2938),

(452, 2944), (461, 2977), (475, 3022), (481, 3040), (486, 3049), (514, 3112), (523, 3133), (532, 3160), (547, 3211), (555, 3232), (565, 3265), (568, 3274), (583, 3325), (584, 3328), (596, 3364), (605, 3394), (606, 3397), (616, 3427), (628, 3445), (647, 3520), (656, 3541), (678, 3586), (712, 3634),

Gene: Thor_12 Start: 8518, Stop: 9960, Start Num: 112

Candidate Starts for Thor_12:

(64, 8452), (Start: 112 @8518 has 204 MA's), (195, 8716), (288, 8929), (421, 9124), (425, 9136), (459, 9235), (547, 9430), (561, 9469), (584, 9547), (586, 9553), (601, 9601), (605, 9613), (608, 9622), (621, 9655), (639, 9712), (677, 9802), (687, 9835), (696, 9847),

Gene: Thyatira_7 Start: 2766, Stop: 4301, Start Num: 50

Candidate Starts for Thyatira_7:

(Start: 50 @2766 has 160 MA's), (109, 2838), (131, 2874), (135, 2883), (149, 2928), (186, 3012), (189, 3024), (197, 3054), (207, 3072), (231, 3123), (241, 3159), (248, 3186), (286, 3237), (287, 3240), (288, 3246), (294, 3261), (297, 3264), (333, 3336), (351, 3357), (370, 3387), (396, 3432), (421, 3486), (441, 3531), (452, 3564), (462, 3600), (463, 3603), (464, 3606), (517, 3669), (525, 3687), (526, 3693), (546, 3765), (550, 3777), (552, 3780), (557, 3795), (575, 3840), (576, 3855), (583, 3876), (600, 3930), (601, 3933), (607, 3951), (612, 3966), (637, 4032), (640, 4047), (650, 4068), (657, 4086), (664, 4104), (681, 4140), (735, 4227),

Gene: Tian_3 Start: 2278, Stop: 3657, Start Num: 104

Candidate Starts for Tian_3:

(1, 1264), (2, 1399), (5, 1504), (6, 1522), (17, 1837), (25, 1978), (Start: 104 @2278 has 48 MA's), (144, 2350), (Start: 166 @2398 has 2 MA's), (197, 2497), (318, 2761), (412, 2854), (478, 3034), (555, 3190), (573, 3238), (579, 3268), (587, 3292), (647, 3466), (710, 3586),

Gene: Tierra_8 Start: 2956, Stop: 4503, Start Num: 50

Candidate Starts for Tierra_8:

(28, 2824), (31, 2851), (Start: 49 @2941 has 25 MA's), (Start: 50 @2956 has 160 MA's), (131, 3064), (Start: 166 @3145 has 2 MA's), (174, 3169), (188, 3211), (197, 3244), (231, 3313), (237, 3334), (241, 3349), (248, 3376), (351, 3550), (379, 3595), (404, 3643), (425, 3691), (441, 3724), (452, 3757), (457, 3778), (464, 3799), (473, 3829), (517, 3862), (525, 3880), (550, 3970), (557, 3988), (573, 4024), (575, 4030), (585, 4072), (601, 4123), (607, 4141), (637, 4222), (639, 4234), (640, 4237), (650, 4258), (660, 4282), (661, 4285), (664, 4294),

Gene: Tiff81_4 Start: 2263, Stop: 3600, Start Num: 111

Candidate Starts for Tiff81_4:

(44, 2143), (46, 2146), (54, 2185), (Start: 55 @2188 has 21 MA's), (60, 2200), (Start: 84 @2236 has 64 MA's), (Start: 96 @2251 has 3 MA's), (Start: 111 @2263 has 22 MA's), (136, 2305), (138, 2311), (165, 2374), (170, 2386), (277, 2644), (301, 2701), (328, 2749), (350, 2770), (418, 2845), (430, 2872), (457, 2953), (461, 2965), (462, 2968), (468, 2992), (485, 3034), (547, 3160), (565, 3214), (584, 3277), (600, 3328), (604, 3340), (619, 3379), (640, 3445), (677, 3526), (678, 3529), (681, 3535), (716, 3586),

Gene: Tiffany_14 Start: 8548, Stop: 10002, Start Num: 74

Candidate Starts for Tiffany_14:

(Start: 74 @8548 has 530 MA's), (Start: 114 @8578 has 8 MA's), (129, 8605), (174, 8710), (223, 8824), (242, 8890), (265, 8947), (301, 9025), (303, 9028), (421, 9169), (459, 9280), (461, 9286), (467, 9307), (544, 9472), (584, 9598), (601, 9652), (603, 9658), (608, 9673), (621, 9709), (649, 9796), (662, 9826), (677, 9856), (696, 9901), (706, 9910),

Gene: Tiger_10 Start: 7756, Stop: 9189, Start Num: 75

Candidate Starts for Tiger_10:

(Start: 75 @7756 has 72 MA's), (185, 7924), (188, 7939), (190, 7945), (252, 8113), (265, 8140), (301, 8218), (363, 8299), (424, 8371), (425, 8374), (452, 8446), (461, 8479), (467, 8500), (477, 8530), (501, 8575), (584, 8791), (601, 8845), (607, 8863), (621, 8902), (662, 9019), (677, 9049), (685, 9079), (706, 9103),

Gene: Timothy_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Timothy_13:

(Start: 74 @9784 has 530 MA's), (120, 9829), (129, 9844), (174, 9949), (288, 10231), (301, 10264), (425, 10420), (452, 10492), (459, 10519), (461, 10525), (467, 10546), (486, 10597), (592, 10861), (601, 10891), (608, 10912), (612, 10927), (617, 10939), (621, 10948), (649, 11035), (662, 11065), (677, 11095), (685, 11125), (736, 11191),

Gene: Timshel_13 Start: 10002, Stop: 11459, Start Num: 74

Candidate Starts for Timshel_13:

(Start: 74 @10002 has 530 MA's), (170, 10152), (174, 10164), (223, 10278), (246, 10362), (259, 10389), (356, 10554), (421, 10623), (425, 10635), (429, 10641), (435, 10659), (452, 10707), (459, 10734), (461, 10740), (467, 10761), (468, 10767), (474, 10782), (477, 10791), (518, 10875), (544, 10938), (565, 11001), (584, 11064), (585, 11067), (601, 11118), (603, 11124), (606, 11133), (607, 11136), (608, 11139), (621, 11175), (647, 11256), (662, 11292), (677, 11322),

Gene: TinaBelcher_7 Start: 3879, Stop: 5354, Start Num: 108

Candidate Starts for TinaBelcher_7:

(Start: 108 @3879 has 156 MA's), (Start: 166 @3996 has 2 MA's), (184, 4044), (187, 4056), (197, 4095), (231, 4188), (237, 4209), (346, 4401), (364, 4428), (449, 4566), (461, 4608), (470, 4641), (477, 4659), (483, 4677), (486, 4686), (535, 4824), (549, 4881), (565, 4929), (607, 5061), (631, 5118), (661, 5208), (664, 5217), (736, 5322), (747, 5340),

Gene: TinaBug_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for TinaBug_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (641, 3154), (662, 3205),

Gene: TinaFeyge_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for TinaFeyge_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: TingHuaYa_9 Start: 3054, Stop: 4607, Start Num: 50

Candidate Starts for TingHuaYa_9:

(Start: 49 @3039 has 25 MA's), (Start: 50 @3054 has 160 MA's), (128, 3150), (131, 3159), (143, 3189), (Start: 166 @3240 has 2 MA's), (174, 3264), (186, 3297), (188, 3306), (231, 3408), (237, 3429), (241, 3444), (246, 3465), (288, 3534), (294, 3549), (315, 3588), (351, 3645), (425, 3786), (441, 3819), (452, 3852), (457, 3873), (464, 3894), (473, 3924), (525, 3975), (546, 4053), (550, 4065), (552, 4068), (556, 4080), (557, 4083), (561, 4095), (573, 4119), (607, 4236), (639, 4329), (650, 4353), (660, 4377), (661, 4380), (664, 4389), (704, 4464), (720, 4485), (735, 4512),

Gene: TiniBug_9 Start: 2984, Stop: 4546, Start Num: 49

Candidate Starts for TiniBug_9:

(31, 2897), (Start: 49 @2984 has 25 MA's), (Start: 50 @2999 has 160 MA's), (Start: 68 @3026 has 1 MA's), (128, 3095), (131, 3104), (135, 3113), (160, 3176), (Start: 166 @3185 has 2 MA's), (174, 3209), (186, 3242), (197, 3284), (231, 3353), (237, 3374), (246, 3410), (288, 3479), (291, 3491), (333, 3569), (351, 3590), (370, 3620), (385, 3644), (441, 3764), (452, 3797), (457, 3818), (464, 3839), (473, 3869), (517, 3902), (525, 3920), (546, 3998), (550, 4010), (552, 4013), (556, 4025), (557, 4028), (573, 4064), (585, 4112), (601, 4163), (607, 4181), (640, 4277), (650, 4298), (661, 4325), (664, 4334), (717, 4424), (766, 4523),

Gene: TinyPebbles_14 Start: 8737, Stop: 10191, Start Num: 74

Candidate Starts for TinyPebbles_14:

(Start: 74 @8737 has 530 MA's), (Start: 114 @8767 has 8 MA's), (129, 8794), (174, 8899), (223, 9013), (242, 9079), (265, 9136), (301, 9214), (303, 9217), (421, 9358), (459, 9469), (461, 9475), (467, 9496), (544, 9661), (584, 9787), (601, 9841), (603, 9847), (608, 9862), (621, 9898), (649, 9985), (662, 10015), (677, 10045), (696, 10090), (706, 10099),

Gene: TinyTimmy_13 Start: 9836, Stop: 11293, Start Num: 74

Candidate Starts for TinyTimmy_13:

(Start: 74 @9836 has 530 MA's), (120, 9881), (129, 9896), (174, 10001), (288, 10283), (301, 10316), (425, 10472), (452, 10544), (459, 10571), (461, 10577), (467, 10598), (486, 10649), (592, 10913), (601, 10943), (608, 10964), (612, 10979), (617, 10991), (621, 11000), (649, 11087), (662, 11117), (677, 11147), (685, 11177), (736, 11243),

Gene: Tinybot_11 Start: 8558, Stop: 10009, Start Num: 74

Candidate Starts for Tinybot_11:

(Start: 74 @8558 has 530 MA's), (170, 8705), (174, 8717), (239, 8885), (246, 8915), (265, 8954), (276, 8972), (301, 9032), (414, 9161), (421, 9179), (459, 9290), (461, 9296), (467, 9317), (468, 9323), (496, 9392), (528, 9452), (544, 9497), (584, 9623), (585, 9626), (601, 9677), (603, 9683), (608, 9698), (617, 9728), (647, 9818), (662, 9854), (667, 9866), (677, 9884), (685, 9914),

Gene: TopsytheTRex_12 Start: 8294, Stop: 9751, Start Num: 74

Candidate Starts for TopsytheTRex_12:

(Start: 74 @8294 has 530 MA's), (97, 8315), (129, 8354), (174, 8459), (288, 8741), (301, 8774), (354, 8846), (425, 8930), (452, 9002), (459, 9029), (461, 9035), (467, 9056), (601, 9401), (608, 9422), (617, 9449), (621, 9458), (662, 9575), (677, 9605), (685, 9635), (706, 9659),

Gene: Tiri_9 Start: 3037, Stop: 4590, Start Num: 50

Candidate Starts for Tiri_9:

(31, 2935), (Start: 49 @3022 has 25 MA's), (Start: 50 @3037 has 160 MA's), (128, 3136), (131, 3145), (160, 3217), (Start: 166 @3226 has 2 MA's), (174, 3250), (186, 3283), (188, 3292), (197, 3325), (231, 3394), (237, 3415), (248, 3457), (288, 3523), (294, 3538), (333, 3613), (351, 3634), (385, 3688), (441, 3808), (452, 3841), (457, 3862), (464, 3883), (473, 3913), (517, 3946), (525, 3964), (541, 4024), (546, 4042), (550, 4054), (552, 4057), (556, 4069), (557, 4072), (573, 4108), (585, 4156), (601, 4207), (607, 4225), (640, 4321), (650, 4342), (661, 4369), (664, 4378), (681, 4414),

Gene: TiroTheta9_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for TiroTheta9_12:

(Start: 74 @8578 has 530 MA's), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Toaka_12 Start: 8270, Stop: 9754, Start Num: 74

Candidate Starts for Toaka_12:

(Start: 74 @8270 has 530 MA's), (129, 8330), (167, 8417), (174, 8435), (252, 8645), (288, 8717), (301, 8750), (316, 8774), (421, 8894), (435, 8930), (440, 8939), (452, 8978), (459, 9005), (461, 9011), (467, 9032), (486, 9083), (511, 9122), (601, 9380), (607, 9398), (617, 9428), (621, 9437), (649, 9524), (659, 9548), (662, 9554), (677, 9584), (696, 9629), (706, 9638),

Gene: Todacoro_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Todacoro_13:

(Start: 74 @8738 has 530 MA's), (117, 8777), (174, 8903), (204, 8987), (233, 9050), (242, 9083), (246, 9101), (265, 9140), (281, 9167), (301, 9218), (414, 9344), (418, 9356), (424, 9371), (425, 9374), (452, 9446), (459, 9473), (461, 9479), (467, 9500), (468, 9506), (477, 9530), (496, 9572), (544, 9677), (584, 9803), (585, 9806), (601, 9857), (603, 9863), (608, 9878), (617, 9908), (662, 10034), (677, 10064), (687, 10094),

Gene: Tolls_7 Start: 2797, Stop: 4251, Start Num: 115

Candidate Starts for Tolls_7:

(Start: 115 @2797 has 54 MA's), (133, 2821), (180, 2935), (184, 2944), (222, 3025), (244, 3109), (288, 3190), (391, 3337), (425, 3379), (446, 3430), (454, 3460), (459, 3478), (461, 3484), (544, 3712), (554, 3739), (560, 3754), (565, 3775), (591, 3859), (598, 3883), (648, 4027), (656, 4045), (662, 4057), (685, 4117), (687, 4120), (759, 4228),

Gene: TomBrady_3 Start: 1889, Stop: 3403, Start Num: 59

Candidate Starts for TomBrady_3:

(9, 1322), (16, 1490), (18, 1505), (24, 1634), (Start: 59 @1889 has 72 MA's), (117, 1952), (118, 1955), (123, 1964), (184, 2096), (238, 2243), (239, 2246), (286, 2336), (301, 2375), (308, 2387), (356, 2450), (360, 2456), (414, 2498), (427, 2531), (450, 2594), (461, 2633), (474, 2675), (489, 2720), (499, 2744), (506, 2753), (534, 2810), (546, 2852), (553, 2870), (554, 2873), (601, 3029), (634, 3119), (641, 3155), (662, 3206), (673, 3230),

Gene: Toma_7 Start: 4056, Stop: 5492, Start Num: 108

Candidate Starts for Toma_7:

(Start: 99 @4050 has 4 MA's), (Start: 108 @4056 has 156 MA's), (123, 4080), (136, 4104), (Start: 166 @4173 has 2 MA's), (184, 4221), (197, 4272), (271, 4455), (312, 4539), (346, 4581), (446, 4737), (449, 4749), (477, 4842), (520, 4920), (535, 4965), (549, 5022), (623, 5235), (631, 5259), (747, 5478),

Gene: Tomathan_16 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for Tomathan_16:

(Start: 74 @9159 has 530 MA's), (129, 9219), (170, 9312), (174, 9324), (281, 9588), (288, 9606), (388, 9750), (424, 9792), (452, 9867), (459, 9894), (461, 9900), (467, 9921), (468, 9927), (601, 10266), (608, 10287), (617, 10314), (621, 10323), (649, 10410), (662, 10440), (677, 10470), (685, 10500), (706, 10524),

Gene: ToneTone_15 Start: 9197, Stop: 10663, Start Num: 74

Candidate Starts for ToneTone_15:

(Start: 74 @9197 has 530 MA's), (97, 9218), (129, 9257), (167, 9344), (171, 9356), (174, 9362), (288, 9644), (315, 9698), (434, 9857), (452, 9908), (459, 9935), (461, 9941), (467, 9962), (518, 10064), (561, 10175), (608, 10328), (612, 10343), (617, 10355), (621, 10364), (641, 10430), (649, 10451), (662, 10481), (677, 10511), (685, 10541),

Gene: TootsiePop_4 Start: 2202, Stop: 3623, Start Num: 108

Candidate Starts for TootsiePop_4:

(Start: 108 @2202 has 156 MA's), (124, 2229), (131, 2241), (184, 2370), (188, 2388), (190, 2394), (197, 2421), (231, 2490), (241, 2526), (246, 2547), (248, 2553), (271, 2577), (273, 2580), (287, 2607), (308, 2655), (312, 2661), (323, 2688), (336, 2706), (397, 2799), (406, 2817), (421, 2850), (424, 2859),

(425, 2862), (447, 2910), (449, 2919), (457, 2949), (463, 2967), (473, 3000), (526, 3057), (550, 3141), (557, 3159), (565, 3186), (571, 3198), (573, 3201), (575, 3207), (576, 3222), (587, 3255), (628, 3360), (650, 3435), (652, 3441), (655, 3450), (660, 3459), (664, 3471), (693, 3534), (728, 3582),

Gene: Tootsieroll_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Tootsieroll_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Topanga_12 Start: 8504, Stop: 9949, Start Num: 74

Candidate Starts for Topanga_12:

(Start: 74 @8504 has 530 MA's), (174, 8663), (233, 8810), (242, 8843), (246, 8861), (248, 8867), (264, 8900), (301, 8981), (308, 8993), (418, 9119), (425, 9137), (452, 9209), (458, 9233), (459, 9236), (461, 9242), (467, 9263), (544, 9443), (584, 9569), (585, 9572), (601, 9623), (603, 9629), (608, 9644), (617, 9674), (621, 9683), (647, 9764), (662, 9800), (677, 9830), (702, 9881), (705, 9884),

Gene: Topgun_12 Start: 8423, Stop: 9865, Start Num: 112

Candidate Starts for Topgun_12:

(64, 8357), (Start: 112 @8423 has 204 MA's), (195, 8621), (288, 8834), (421, 9029), (425, 9041), (459, 9140), (547, 9335), (561, 9374), (584, 9452), (586, 9458), (601, 9506), (605, 9518), (608, 9527), (639, 9617), (677, 9707), (687, 9740), (696, 9752),

Gene: Topper_9 Start: 3055, Stop: 4623, Start Num: 49

Candidate Starts for Topper_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Toro_15 Start: 9998, Stop: 11494, Start Num: 74

Candidate Starts for Toro_15:

(Start: 74 @9998 has 530 MA's), (174, 10163), (223, 10313), (242, 10379), (281, 10463), (289, 10487), (301, 10514), (312, 10532), (363, 10595), (414, 10643), (418, 10655), (424, 10670), (425, 10673), (452, 10745), (459, 10772), (461, 10778), (467, 10799), (474, 10820), (477, 10829), (496, 10877), (544, 10982), (584, 11108), (585, 11111), (601, 11162), (603, 11168), (608, 11183), (640, 11282), (647, 11303), (649, 11309), (662, 11339), (677, 11369), (685, 11399), (687, 11402), (702, 11420),

Gene: Toron_3 Start: 2233, Stop: 3708, Start Num: 62

Candidate Starts for Toron_3:

(Start: 62 @2233 has 13 MA's), (70, 2245), (88, 2266), (Start: 106 @2287 has 46 MA's), (177, 2434), (189, 2467), (190, 2470), (223, 2530), (231, 2557), (239, 2584), (269, 2656), (277, 2662), (281, 2668), (298, 2710), (331, 2761), (337, 2767), (363, 2800), (382, 2824), (391, 2830), (422, 2863), (424, 2869), (440, 2905), (450, 2938), (461, 2977), (475, 3022), (481, 3040), (486, 3049), (514, 3112), (532, 3160), (547, 3211), (555, 3232), (565, 3265), (568, 3274), (583, 3325), (584, 3328), (596, 3364), (605, 3394), (606, 3397), (611, 3415), (616, 3427), (628, 3445), (641, 3505), (647, 3520), (656, 3541), (665, 3562), (678, 3586), (712, 3634),

Gene: Torres_5 Start: 2283, Stop: 3839, Start Num: 50

Candidate Starts for Torres_5:

(29, 2157), (31, 2178), (Start: 49 @2268 has 25 MA's), (Start: 50 @2283 has 160 MA's), (109, 2352), (119, 2367), (131, 2388), (Start: 166 @2469 has 2 MA's), (174, 2493), (186, 2526), (195, 2562), (231, 2637), (237, 2658), (241, 2673), (294, 2778), (327, 2844), (351, 2874), (383, 2928), (404, 2970), (421, 3006), (425, 3018), (441, 3051), (452, 3084), (464, 3126), (473, 3156), (517, 3189), (525, 3207), (526, 3213), (541, 3267), (546, 3285), (550, 3297), (556, 3312), (557, 3315), (569, 3348), (600, 3447), (601, 3450), (607, 3468), (628, 3510), (639, 3561), (640, 3564), (650, 3585), (660, 3609), (661, 3612), (664, 3621), (681, 3657), (684, 3672), (701, 3693),

Gene: Tote_14 Start: 9164, Stop: 10606, Start Num: 112

Candidate Starts for Tote_14:

(64, 9098), (Start: 112 @9164 has 204 MA's), (195, 9362), (288, 9575), (421, 9770), (425, 9782), (459, 9881), (484, 9953), (547, 10076), (561, 10115), (584, 10193), (586, 10199), (601, 10247), (605, 10259), (608, 10268), (639, 10358), (677, 10448), (687, 10481), (696, 10493),

Gene: Totinger_4 Start: 2200, Stop: 3621, Start Num: 108

Candidate Starts for Totinger_4:

(Start: 108 @2200 has 156 MA's), (124, 2227), (131, 2239), (184, 2368), (188, 2386), (197, 2419), (231, 2488), (241, 2524), (246, 2545), (248, 2551), (271, 2575), (273, 2578), (308, 2653), (312, 2659), (323, 2686), (336, 2704), (366, 2746), (397, 2797), (406, 2815), (421, 2848), (424, 2857), (425, 2860), (447, 2908), (449, 2917), (457, 2947), (463, 2965), (473, 2998), (526, 3055), (550, 3139), (557, 3157), (565, 3184), (571, 3196), (573, 3199), (575, 3205), (576, 3220), (587, 3253), (601, 3298), (628, 3358), (650, 3433), (652, 3439), (655, 3448), (660, 3457), (664, 3469), (693, 3532), (728, 3580),

Gene: TouchMeNot_4 Start: 2870, Stop: 4285, Start Num: 86

Candidate Starts for TouchMeNot_4:

(Start: 86 @2870 has 5 MA's), (142, 2960), (189, 3089), (195, 3113), (231, 3185), (241, 3221), (362, 3458), (404, 3512), (446, 3608), (461, 3662), (474, 3704), (520, 3746), (579, 3944), (647, 4142),

Gene: Tourach_5 Start: 2654, Stop: 4309, Start Num: 84

Candidate Starts for Tourach_5:

(Start: 84 @2654 has 64 MA's), (131, 2717), (165, 2795), (187, 2855), (189, 2864), (195, 2888), (197, 2894), (231, 2966), (241, 3002), (248, 3029), (278, 3080), (327, 3173), (372, 3212), (421, 3275), (425, 3287), (430, 3296), (432, 3302), (433, 3305), (444, 3326), (450, 3347), (452, 3353), (463, 3392), (516, 3488), (528, 3515), (561, 3623), (562, 3629), (592, 3722), (600, 3749), (628, 3812), (633, 3833), (638, 3854), (647, 3881), (650, 3890), (677, 3950), (690, 3980), (698, 3989), (704, 3995), (762, 4097), (767, 4130), (774, 4169), (782, 4274),

Gene: Traft412_14 Start: 9351, Stop: 10787, Start Num: 112

Candidate Starts for Traft412_14:

(64, 9285), (Start: 112 @9351 has 204 MA's), (195, 9549), (288, 9762), (421, 9957), (425, 9969), (459, 10068), (547, 10263), (561, 10302), (584, 10380), (586, 10386), (601, 10434), (605, 10446), (608, 10455), (639, 10545), (677, 10635), (687, 10668), (696, 10680),

Gene: Travvers_16 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for Travvers_16:

(Start: 74 @9159 has 530 MA's), (129, 9219), (170, 9312), (174, 9324), (281, 9588), (288, 9606), (388, 9750), (424, 9792), (452, 9867), (459, 9894), (461, 9900), (467, 9921), (468, 9927), (601, 10266), (608, 10287), (617, 10314), (621, 10323), (649, 10410), (662, 10440), (677, 10470), (685, 10500), (706, 10524),

Gene: Trax_13 Start: 6263, Stop: 7762, Start Num: 59

Candidate Starts for Trax_13:

(57, 6257), (Start: 59 @6263 has 72 MA's), (94, 6317), (123, 6359), (131, 6377), (138, 6395), (Start: 166 @6458 has 2 MA's), (176, 6488), (177, 6491), (182, 6497), (188, 6521), (195, 6548), (231, 6626), (278, 6743), (286, 6758), (303, 6800), (308, 6809), (372, 6878), (421, 6935), (425, 6947), (451, 7010), (452, 7013), (455, 7025), (480, 7097), (511, 7130), (516, 7139), (526, 7160), (558, 7265), (576, 7325), (587, 7358), (592, 7373), (607, 7421), (611, 7433), (622, 7451), (631, 7478), (641, 7523), (643, 7529), (655, 7556), (660, 7565), (681, 7613), (695, 7637), (751, 7721),

Gene: Treddle_14 Start: 9660, Stop: 11102, Start Num: 112

Candidate Starts for Treddle_14:

(64, 9594), (Start: 112 @9660 has 204 MA's), (195, 9858), (288, 10071), (421, 10266), (425, 10278), (459, 10377), (547, 10572), (561, 10611), (584, 10689), (586, 10695), (601, 10743), (605, 10755), (608, 10764), (639, 10854), (677, 10944), (687, 10977), (696, 10989),

Gene: TreyKay_9 Start: 2995, Stop: 4548, Start Num: 50

Candidate Starts for TreyKay_9:

(31, 2893), (Start: 49 @2980 has 25 MA's), (Start: 50 @2995 has 160 MA's), (128, 3094), (131, 3103), (160, 3175), (Start: 166 @3184 has 2 MA's), (174, 3208), (186, 3241), (197, 3283), (231, 3352), (237, 3373), (247, 3412), (294, 3496), (333, 3571), (351, 3592), (385, 3646), (441, 3766), (452, 3799), (457, 3820), (464, 3841), (473, 3871), (517, 3904), (525, 3922), (546, 4000), (550, 4012), (552, 4015), (556, 4027), (557, 4030), (573, 4066), (585, 4114), (607, 4183), (640, 4279), (650, 4300), (661, 4327), (664, 4336), (681, 4372), (717, 4426),

Gene: TriFive_6 Start: 2756, Stop: 4399, Start Num: 84

Candidate Starts for TriFive_6:

(Start: 84 @2756 has 64 MA's), (128, 2816), (189, 2966), (197, 2996), (231, 3068), (249, 3134), (278, 3182), (327, 3275), (372, 3314), (432, 3404), (437, 3413), (444, 3428), (528, 3617), (538, 3650), (548, 3689), (562, 3731), (628, 3914), (638, 3956), (647, 3983), (650, 3992), (677, 4052), (690, 4082), (698, 4091), (747, 4166), (762, 4199),

Gene: TribelTrouble_7 Start: 2727, Stop: 4310, Start Num: 49

Candidate Starts for TribelTrouble_7:

(Start: 49 @2727 has 25 MA's), (Start: 50 @2742 has 160 MA's), (71, 2772), (128, 2835), (131, 2844), (174, 2949), (186, 2982), (189, 2994), (197, 3024), (231, 3093), (237, 3114), (241, 3129), (248, 3156), (288, 3216), (294, 3231), (351, 3327), (404, 3420), (421, 3456), (425, 3468), (441, 3501), (444, 3507), (452, 3534), (457, 3555), (462, 3570), (464, 3576), (525, 3657), (546, 3735), (550, 3747), (552, 3750), (557, 3765), (565, 3792), (583, 3846), (585, 3852), (600, 3900), (607, 3921), (640, 4035), (650, 4056), (661, 4083), (664, 4092), (681, 4128),

Gene: Trike_10 Start: 6461, Stop: 7921, Start Num: 74

Candidate Starts for Trike_10:

(Start: 74 @6461 has 530 MA's), (Start: 114 @6488 has 8 MA's), (146, 6554), (170, 6608), (174, 6620), (197, 6689), (233, 6767), (242, 6800), (246, 6818), (264, 6857), (266, 6860), (301, 6938), (418, 7076), (425, 7094), (459, 7193), (461, 7199), (467, 7220), (468, 7226), (477, 7250), (496, 7301), (544, 7406), (584, 7532), (585, 7535), (601, 7586), (603, 7592), (608, 7607), (617, 7637), (621, 7646), (647, 7727), (662, 7763), (677, 7793), (702, 7844), (705, 7847),

Gene: Tripl3t_13 Start: 9346, Stop: 10788, Start Num: 112

Candidate Starts for Tripl3t_13:

(64, 9280), (Start: 112 @9346 has 204 MA's), (195, 9544), (288, 9757), (421, 9952), (422, 9955), (425, 9964), (459, 10063), (547, 10258), (561, 10297), (584, 10375), (586, 10381), (601, 10429), (605, 10441), (608, 10450), (639, 10540), (677, 10630), (687, 10663), (696, 10675),

Gene: Tristan_14 Start: 10987, Stop: 12441, Start Num: 74

Candidate Starts for Tristan_14:

(Start: 74 @10987 has 530 MA's), (129, 11047), (174, 11152), (223, 11266), (252, 11362), (288, 11434), (425, 11623), (452, 11695), (459, 11722), (461, 11728), (467, 11749), (486, 11800), (518, 11851), (601, 12094), (607, 12112), (617, 12142), (621, 12151), (640, 12211), (649, 12238), (662, 12268), (677, 12298), (685, 12328), (706, 12352),

Gene: Triste_7 Start: 4056, Stop: 5492, Start Num: 108

Candidate Starts for Triste_7:

(Start: 99 @4050 has 4 MA's), (Start: 108 @4056 has 156 MA's), (123, 4080), (136, 4104), (Start: 166 @4173 has 2 MA's), (184, 4221), (187, 4233), (197, 4272), (249, 4425), (312, 4539), (346, 4581), (364, 4608), (398, 4641), (446, 4737), (449, 4749), (470, 4824), (477, 4842), (520, 4920), (535, 4965), (549, 5022), (623, 5235), (631, 5259), (680, 5391), (726, 5457), (747, 5478),

Gene: Triumph_9 Start: 3896, Stop: 5380, Start Num: 108

Candidate Starts for Triumph_9:

(Start: 108 @3896 has 156 MA's), (Start: 166 @4013 has 2 MA's), (187, 4073), (197, 4112), (231, 4205), (314, 4379), (346, 4418), (398, 4478), (444, 4565), (446, 4571), (449, 4583), (470, 4658), (477, 4676), (481, 4688), (483, 4694), (535, 4841), (547, 4892), (549, 4898), (575, 4967), (631, 5135), (664, 5234), (680, 5267), (710, 5309), (736, 5342), (747, 5366),

Gene: Trixie_16 Start: 10871, Stop: 12331, Start Num: 74

Candidate Starts for Trixie_16:

(Start: 74 @10871 has 530 MA's), (129, 10931), (174, 11036), (288, 11318), (301, 11351), (422, 11498), (452, 11579), (459, 11606), (461, 11612), (467, 11633), (486, 11684), (565, 11861), (592, 11948), (601, 11978), (608, 11999), (617, 12026), (621, 12035), (662, 12152), (677, 12182), (685, 12212), (706, 12236),

Gene: Troje_5 Start: 2787, Stop: 4241, Start Num: 115

Candidate Starts for Troje_5:

(Start: 115 @2787 has 54 MA's), (133, 2811), (180, 2925), (184, 2934), (242, 3090), (244, 3099), (288, 3180), (425, 3369), (454, 3450), (459, 3468), (461, 3474), (544, 3702), (554, 3729), (565, 3765), (598, 3873), (605, 3894), (648, 4017), (662, 4047), (685, 4107), (687, 4110), (759, 4218),

Gene: Trooper_13 Start: 9031, Stop: 10506, Start Num: 74

Candidate Starts for Trooper_13:

(Start: 74 @9031 has 530 MA's), (129, 9091), (174, 9196), (288, 9478), (301, 9511), (422, 9658), (452, 9739), (459, 9766), (461, 9772), (467, 9793), (468, 9799), (486, 9844), (561, 10006), (601, 10138), (607, 10156), (608, 10159), (617, 10186), (621, 10195), (662, 10312), (677, 10342), (685, 10372), (761, 10483),

Gene: Trouble_12 Start: 8995, Stop: 10437, Start Num: 112

Candidate Starts for Trouble_12:

(64, 8929), (Start: 112 @8995 has 204 MA's), (195, 9193), (288, 9406), (421, 9601), (425, 9613), (459, 9712), (547, 9907), (561, 9946), (584, 10024), (586, 10030), (601, 10078), (605, 10090), (608, 10099), (639, 10189), (677, 10279), (687, 10312), (696, 10324),

Gene: TroyPia_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for TroyPia_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (667, 9886), (677, 9904), (685, 9934),

Gene: TruffulaTree_9 Start: 3005, Stop: 4576, Start Num: 49

Candidate Starts for TruffulaTree_9:

(31, 2918), (Start: 49 @3005 has 25 MA's), (Start: 50 @3020 has 160 MA's), (124, 3116), (128, 3119), (131, 3128), (160, 3200), (Start: 166 @3209 has 2 MA's), (174, 3233), (186, 3266), (188, 3275), (197, 3308), (231, 3377), (237, 3398), (248, 3440), (288, 3506), (294, 3521), (333, 3596), (351, 3617), (385, 3671), (441, 3791), (452, 3824), (457, 3845), (464, 3866), (473, 3896), (517, 3929), (525, 3947), (541, 4007), (546, 4025), (550, 4037), (552, 4040), (556, 4052), (557, 4055), (573, 4091), (585, 4139), (601, 4190), (607, 4208), (640, 4304), (650, 4325), (661, 4352), (664, 4361), (681, 4397),

Gene: TrvxScott_6 Start: 3880, Stop: 5355, Start Num: 108

Candidate Starts for TrvxScott_6:

(Start: 108 @3880 has 156 MA's), (Start: 166 @3997 has 2 MA's), (184, 4045), (187, 4057), (197, 4096), (231, 4189), (237, 4210), (346, 4402), (364, 4429), (449, 4567), (470, 4642), (477, 4660), (483, 4678), (486, 4687), (535, 4825), (549, 4882), (607, 5062), (631, 5119), (661, 5209), (664, 5218), (736, 5323), (747, 5341),

Gene: TuanPN_7 Start: 4059, Stop: 5495, Start Num: 108

Candidate Starts for TuanPN_7:

(Start: 99 @4053 has 4 MA's), (Start: 108 @4059 has 156 MA's), (123, 4083), (136, 4107), (Start: 166 @4176 has 2 MA's), (184, 4224), (187, 4236), (197, 4275), (249, 4428), (271, 4458), (312, 4542), (346, 4584), (398, 4644), (401, 4650), (446, 4740), (449, 4752), (470, 4827), (477, 4845), (520, 4923), (535, 4968), (549, 5025), (623, 5238), (631, 5262), (680, 5394), (747, 5481),

Gene: Tubs_14 Start: 9893, Stop: 11380, Start Num: 74

Candidate Starts for Tubs_14:

(Start: 74 @9893 has 530 MA's), (129, 9956), (174, 10061), (252, 10271), (271, 10310), (288, 10343), (301, 10376), (421, 10520), (435, 10556), (440, 10565), (452, 10604), (459, 10631), (461, 10637), (467, 10658), (477, 10688), (486, 10709), (501, 10733), (511, 10748), (601, 11003), (607, 11021), (617, 11051), (619, 11054), (621, 11060), (659, 11171), (662, 11177), (677, 11207), (696, 11252), (706, 11261),

Gene: Tuck_4 Start: 3325, Stop: 4707, Start Num: 104

Candidate Starts for Tuck_4:

(Start: 104 @3325 has 48 MA's), (Start: 166 @3445 has 2 MA's), (197, 3544), (318, 3808), (478, 4081), (555, 4240), (573, 4288), (579, 4318), (587, 4342), (647, 4516), (710, 4636),

Gene: Tucker_16 Start: 9284, Stop: 10750, Start Num: 74

Candidate Starts for Tucker_16:

(Start: 74 @9284 has 530 MA's), (97, 9305), (129, 9344), (167, 9431), (171, 9443), (174, 9449), (288, 9731), (315, 9785), (434, 9944), (452, 9995), (459, 10022), (461, 10028), (467, 10049), (561, 10262), (608, 10415), (612, 10430), (617, 10442), (621, 10451), (641, 10517), (649, 10538), (662, 10568), (677, 10598), (685, 10628),

Gene: Turab_3 Start: 2268, Stop: 3641, Start Num: 104

Candidate Starts for Turab_3:

(Start: 104 @2268 has 48 MA's), (Start: 166 @2388 has 2 MA's), (197, 2487), (318, 2751), (478, 3024), (555, 3180), (573, 3228), (579, 3258), (587, 3282), (647, 3456), (710, 3576),

Gene: Turbido_15 Start: 9697, Stop: 11157, Start Num: 74

Candidate Starts for Turbido_15:

(Start: 74 @9697 has 530 MA's), (129, 9757), (174, 9862), (246, 10060), (288, 10144), (301, 10177), (421, 10321), (452, 10405), (459, 10432), (461, 10438), (467, 10459), (468, 10465), (486, 10510),

(601, 10804), (607, 10822), (608, 10825), (617, 10852), (621, 10861), (662, 10978), (677, 11008), (685, 11038), (706, 11062),

Gene: Turj99_11 Start: 8439, Stop: 9881, Start Num: 112

Candidate Starts for Turj99_11:

(64, 8373), (Start: 112 @8439 has 204 MA's), (195, 8637), (288, 8850), (421, 9045), (425, 9057), (459, 9156), (484, 9228), (547, 9351), (561, 9390), (584, 9468), (586, 9474), (601, 9522), (605, 9534), (608, 9543), (639, 9633), (677, 9723), (687, 9756), (696, 9768),

Gene: Tutumahutu_3 Start: 2320, Stop: 3696, Start Num: 104

Candidate Starts for Tutumahutu_3:

(Start: 104 @2320 has 48 MA's), (Start: 166 @2440 has 2 MA's), (197, 2539), (216, 2578), (318, 2803), (412, 2896), (478, 3076), (558, 3244), (573, 3283), (579, 3313), (587, 3337), (647, 3511), (650, 3520), (710, 3631),

Gene: Tweety19_4 Start: 3136, Stop: 4500, Start Num: 102

Candidate Starts for Tweety19_4:

(Start: 102 @3136 has 4 MA's), (147, 3217), (Start: 166 @3256 has 2 MA's), (214, 3391), (246, 3481), (273, 3526), (407, 3703), (412, 3712), (544, 4018), (573, 4096), (579, 4126), (641, 4315), (647, 4324),

Gene: Twigg_10 Start: 7908, Stop: 9341, Start Num: 75

Candidate Starts for Twigg_10:

(Start: 75 @7908 has 72 MA's), (179, 8064), (185, 8076), (188, 8091), (190, 8097), (252, 8265), (265, 8292), (301, 8370), (363, 8451), (424, 8523), (425, 8526), (452, 8598), (461, 8631), (467, 8652), (473, 8670), (477, 8682), (584, 8943), (601, 8997), (607, 9015), (621, 9054), (662, 9171), (677, 9201), (685, 9231), (706, 9255),

Gene: Twister_12 Start: 8403, Stop: 9848, Start Num: 74

Candidate Starts for Twister_12:

(Start: 74 @8403 has 530 MA's), (174, 8562), (195, 8625), (233, 8709), (242, 8742), (246, 8760), (248, 8766), (264, 8799), (301, 8880), (308, 8892), (418, 9018), (425, 9036), (452, 9108), (458, 9132), (459, 9135), (461, 9141), (467, 9162), (544, 9342), (584, 9468), (585, 9471), (601, 9522), (603, 9528), (608, 9543), (617, 9573), (621, 9582), (647, 9663), (662, 9699), (677, 9729), (702, 9780), (705, 9783),

Gene: Twitch_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Twitch_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: TwoPeat_13 Start: 8957, Stop: 10399, Start Num: 112

Candidate Starts for TwoPeat_13:

(64, 8891), (Start: 112 @8957 has 204 MA's), (195, 9155), (288, 9368), (421, 9563), (425, 9575), (459, 9674), (547, 9869), (561, 9908), (584, 9986), (586, 9992), (601, 10040), (605, 10052), (608, 10061), (621, 10094), (639, 10151), (677, 10241), (687, 10274), (696, 10286),

Gene: TyDawg_15 Start: 6260, Stop: 7882, Start Num: 55

Candidate Starts for TyDawg_15:

(Start: 55 @6260 has 21 MA's), (Start: 62 @6275 has 13 MA's), (135, 6383), (142, 6401), (165, 6449), (175, 6482), (181, 6494), (188, 6518), (195, 6545), (197, 6551), (231, 6623), (233, 6629), (241, 6659),

(267, 6740), (271, 6746), (273, 6749), (283, 6767), (411, 6923), (421, 6941), (425, 6953), (447, 7001), (463, 7058), (464, 7061), (495, 7130), (533, 7184), (541, 7220), (558, 7271), (560, 7274), (571, 7304), (575, 7313), (593, 7379), (595, 7382), (600, 7403), (601, 7406), (623, 7457), (650, 7544), (709, 7655), (727, 7685), (747, 7721), (751, 7727), (757, 7742), (762, 7754), (777, 7838),

Gene: TygerBlood_12 Start: 8580, Stop: 10031, Start Num: 74

Candidate Starts for TygerBlood_12:

(Start: 74 @8580 has 530 MA's), (170, 8727), (174, 8739), (239, 8907), (246, 8937), (265, 8976), (276, 8994), (301, 9054), (414, 9183), (421, 9201), (459, 9312), (461, 9318), (467, 9339), (468, 9345), (496, 9414), (528, 9474), (544, 9519), (584, 9645), (585, 9648), (601, 9699), (603, 9705), (608, 9720), (617, 9750), (647, 9840), (662, 9876), (667, 9888), (677, 9906), (685, 9936),

Gene: Typhonomachy_6 Start: 2789, Stop: 4246, Start Num: 115

Candidate Starts for Typhonomachy_6:

(Start: 115 @2789 has 54 MA's), (133, 2813), (176, 2924), (180, 2927), (184, 2936), (222, 3017), (244, 3101), (247, 3113), (288, 3182), (391, 3329), (425, 3371), (449, 3434), (454, 3452), (456, 3458), (459, 3470), (461, 3476), (499, 3587), (544, 3704), (554, 3731), (565, 3767), (605, 3896), (607, 3902), (621, 3935), (639, 3992), (640, 3995), (648, 4019), (662, 4049), (685, 4109), (687, 4112), (759, 4223),

Gene: Tyson_5 Start: 2625, Stop: 4298, Start Num: 84

Candidate Starts for Tyson_5:

(Start: 84 @2625 has 64 MA's), (131, 2688), (150, 2742), (165, 2766), (189, 2835), (195, 2859), (231, 2937), (241, 2973), (286, 3066), (287, 3069), (327, 3144), (372, 3183), (421, 3246), (432, 3273), (433, 3276), (444, 3297), (450, 3318), (462, 3360), (463, 3363), (520, 3465), (526, 3480), (528, 3486), (552, 3567), (561, 3594), (562, 3600), (592, 3693), (600, 3720), (603, 3729), (628, 3783), (633, 3804), (638, 3825), (647, 3852), (650, 3861), (677, 3921), (690, 3951), (698, 3960), (762, 4068), (773, 4137), (782, 4263),

Gene: U2_12 Start: 8620, Stop: 10062, Start Num: 112

Candidate Starts for U2_12:

(64, 8554), (Start: 112 @8620 has 204 MA's), (195, 8818), (288, 9031), (421, 9226), (422, 9229), (459, 9337), (547, 9532), (561, 9571), (584, 9649), (586, 9655), (601, 9703), (605, 9715), (608, 9724), (639, 9814), (677, 9904), (687, 9937), (696, 9949),

Gene: UPIE_5 Start: 2626, Stop: 4296, Start Num: 84

Candidate Starts for UPIE_5:

(Start: 84 @2626 has 64 MA's), (131, 2689), (150, 2743), (165, 2767), (189, 2836), (195, 2860), (231, 2938), (241, 2974), (286, 3067), (287, 3070), (327, 3145), (372, 3184), (421, 3247), (432, 3274), (433, 3277), (444, 3298), (450, 3319), (462, 3361), (463, 3364), (520, 3466), (526, 3481), (528, 3487), (552, 3568), (561, 3595), (562, 3601), (592, 3694), (600, 3721), (603, 3730), (628, 3784), (633, 3805), (638, 3826), (647, 3853), (650, 3862), (677, 3922), (690, 3952), (698, 3961), (762, 4069), (782, 4261),

Gene: Ugenie5_11 Start: 9926, Stop: 11413, Start Num: 74

Candidate Starts for Ugenie5_11:

(Start: 74 @9926 has 530 MA's), (129, 9989), (174, 10094), (197, 10163), (252, 10304), (271, 10343), (288, 10376), (301, 10409), (421, 10553), (435, 10589), (440, 10598), (452, 10637), (459, 10664), (461, 10670), (467, 10691), (468, 10697), (486, 10742), (501, 10766), (511, 10781), (601, 11036), (607, 11054), (617, 11084), (619, 11087), (621, 11093), (659, 11204), (662, 11210), (677, 11240), (696, 11285), (706, 11294),

Gene: UhSalsa_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for UhSalsa_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (271, 5237), (281, 5252), (363, 5381), (421, 5444), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Ulysses_11 Start: 8297, Stop: 9748, Start Num: 74

Candidate Starts for Ulysses_11:

(Start: 74 @8297 has 530 MA's), (170, 8444), (174, 8456), (239, 8624), (246, 8654), (265, 8693), (276, 8711), (301, 8771), (414, 8900), (421, 8918), (459, 9029), (461, 9035), (467, 9056), (468, 9062), (528, 9191), (544, 9236), (584, 9362), (585, 9365), (601, 9416), (608, 9437), (617, 9467), (647, 9557), (662, 9593), (667, 9605), (677, 9623), (685, 9653),

Gene: UncleRicky_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for UncleRicky_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Underpass_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Underpass_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Unicorn_8 Start: 2988, Stop: 4538, Start Num: 50

Candidate Starts for Unicorn_8:

(28, 2856), (31, 2883), (Start: 49 @2973 has 25 MA's), (Start: 50 @2988 has 160 MA's), (131, 3096), (Start: 166 @3177 has 2 MA's), (174, 3201), (188, 3243), (197, 3276), (231, 3345), (237, 3366), (241, 3381), (248, 3408), (294, 3486), (351, 3582), (379, 3627), (404, 3675), (425, 3723), (441, 3756), (452, 3789), (457, 3810), (464, 3831), (473, 3861), (517, 3894), (525, 3912), (550, 4002), (552, 4005), (557, 4020), (573, 4056), (575, 4062), (585, 4104), (601, 4155), (607, 4173), (637, 4254), (639, 4266), (640, 4269), (660, 4314), (661, 4317), (664, 4326),

Gene: UnionJack_10 Start: 7475, Stop: 8908, Start Num: 75

Candidate Starts for UnionJack_10:

(Start: 75 @7475 has 72 MA's), (185, 7643), (188, 7658), (190, 7664), (223, 7736), (252, 7832), (265, 7859), (363, 8018), (422, 8084), (424, 8090), (425, 8093), (440, 8126), (452, 8165), (461, 8198), (467, 8219), (473, 8237), (477, 8249), (584, 8510), (601, 8564), (607, 8582), (621, 8621), (662, 8738), (677, 8768), (685, 8798), (696, 8813), (706, 8822),

Gene: Unstoppable_7 Start: 4081, Stop: 5523, Start Num: 108

Candidate Starts for Unstoppable_7:

(Start: 96 @4072 has 3 MA's), (Start: 99 @4075 has 4 MA's), (Start: 108 @4081 has 156 MA's), (Start: 166 @4198 has 2 MA's), (184, 4246), (312, 4564), (346, 4606), (364, 4633), (398, 4666), (446, 4759), (449, 4771), (477, 4864), (520, 4942), (535, 4987), (549, 5044), (558, 5068), (631, 5281), (747, 5509),

Gene: Updawg_15 Start: 9710, Stop: 11170, Start Num: 74

Candidate Starts for Updawg_15:

(Start: 74 @9710 has 530 MA's), (129, 9770), (170, 9863), (174, 9875), (288, 10157), (301, 10190), (422, 10337), (425, 10346), (452, 10418), (459, 10445), (461, 10451), (467, 10472), (565, 10700), (601, 10817), (608, 10838), (617, 10865), (621, 10874), (662, 10991), (677, 11021), (685, 11051), (706, 11075),

Gene: Urkel_9 Start: 2999, Stop: 4546, Start Num: 50

Candidate Starts for Urkel_9:

(31, 2897), (Start: 49 @2984 has 25 MA's), (Start: 50 @2999 has 160 MA's), (Start: 68 @3026 has 1 MA's), (128, 3095), (131, 3104), (135, 3113), (160, 3176), (Start: 166 @3185 has 2 MA's), (174, 3209), (186, 3242), (197, 3284), (231, 3353), (237, 3374), (246, 3410), (288, 3479), (291, 3491), (333, 3569), (351, 3590), (370, 3620), (385, 3644), (441, 3764), (452, 3797), (457, 3818), (464, 3839), (473, 3869), (517, 3902), (525, 3920), (546, 3998), (550, 4010), (552, 4013), (556, 4025), (557, 4028), (573, 4064), (585, 4112), (601, 4163), (607, 4181), (640, 4277), (650, 4298), (661, 4325), (664, 4334), (717, 4424),

Gene: Urza_7 Start: 4278, Stop: 5753, Start Num: 108

Candidate Starts for Urza_7:

(13, 3741), (21, 3885), (Start: 108 @4278 has 156 MA's), (Start: 121 @4299 has 1 MA's), (Start: 166 @4395 has 2 MA's), (187, 4455), (231, 4587), (237, 4608), (248, 4644), (346, 4806), (382, 4848), (431, 4932), (449, 4971), (463, 5019), (470, 5046), (477, 5064), (485, 5088), (486, 5091), (490, 5109), (502, 5145), (520, 5184), (535, 5229), (549, 5286), (558, 5310), (631, 5523), (661, 5613), (680, 5655),

Gene: UtzChips_3 Start: 2379, Stop: 3746, Start Num: 104

Candidate Starts for UtzChips_3:

(3, 1500), (4, 1521), (7, 1644), (20, 1959), (Start: 104 @2379 has 48 MA's), (Start: 166 @2499 has 2 MA's), (465, 3087), (571, 3348), (575, 3357), (628, 3504), (635, 3534), (661, 3609),

Gene: VA6_13 Start: 9215, Stop: 10675, Start Num: 74

Candidate Starts for VA6_13:

(Start: 74 @9215 has 530 MA's), (129, 9275), (174, 9380), (281, 9644), (288, 9662), (301, 9695), (388, 9806), (459, 9950), (461, 9956), (467, 9977), (468, 9983), (486, 10028), (555, 10172), (583, 10265), (592, 10292), (601, 10322), (607, 10340), (608, 10343), (617, 10370), (621, 10379), (662, 10496), (669, 10511), (677, 10526), (685, 10556), (706, 10580),

Gene: VC3_16 Start: 9161, Stop: 10618, Start Num: 74

Candidate Starts for VC3_16:

(Start: 74 @9161 has 530 MA's), (129, 9221), (174, 9326), (288, 9608), (301, 9641), (419, 9782), (425, 9797), (452, 9869), (459, 9896), (461, 9902), (467, 9923), (468, 9929), (486, 9974), (601, 10268), (607, 10286), (608, 10289), (617, 10316), (621, 10325), (641, 10391), (662, 10442), (677, 10472), (685, 10502), (706, 10526),

Gene: VResidence_3 Start: 2347, Stop: 3720, Start Num: 104

Candidate Starts for VResidence_3:

(Start: 104 @2347 has 48 MA's), (160, 2458), (Start: 166 @2467 has 2 MA's), (197, 2566), (216, 2605), (273, 2737), (478, 3103), (558, 3268), (573, 3307), (579, 3337), (587, 3361), (647, 3535), (710, 3655),

Gene: Validus_9 Start: 3003, Stop: 4568, Start Num: 49

Candidate Starts for Validus_9:

(31, 2913), (Start: 49 @3003 has 25 MA's), (Start: 50 @3018 has 160 MA's), (131, 3120), (174, 3225), (186, 3258), (188, 3267), (231, 3369), (237, 3390), (241, 3405), (288, 3495), (294, 3510), (315, 3549), (333, 3585), (366, 3630), (385, 3660), (395, 3675), (396, 3681), (404, 3699), (425, 3747), (441, 3780), (449, 3804), (457, 3834), (462, 3849), (464, 3855), (517, 3918), (525, 3936), (546, 4014), (550, 4026), (552, 4029), (556, 4041), (557, 4044), (573, 4080), (600, 4176), (601, 4179), (607, 4197), (628, 4239),

(639, 4290), (650, 4314), (660, 4338), (661, 4341), (664, 4350), (720, 4446), (735, 4473),

Gene: Vanisoa_12 Start: 7984, Stop: 9468, Start Num: 74

Candidate Starts for Vanisoa_12:

(Start: 74 @7984 has 530 MA's), (129, 8044), (167, 8131), (174, 8149), (252, 8359), (288, 8431), (316, 8488), (388, 8575), (421, 8608), (435, 8644), (440, 8653), (452, 8692), (459, 8719), (461, 8725), (467, 8746), (468, 8752), (486, 8797), (511, 8836), (601, 9094), (607, 9112), (617, 9142), (621, 9151), (649, 9238), (659, 9262), (662, 9268), (677, 9298), (696, 9343), (706, 9352),

Gene: Vanseggelen_10 Start: 3797, Stop: 5233, Start Num: 108

Candidate Starts for Vanseggelen_10:

(Start: 108 @3797 has 156 MA's), (Start: 166 @3914 has 2 MA's), (184, 3962), (187, 3974), (237, 4130), (283, 4217), (398, 4385), (401, 4391), (423, 4430), (446, 4478), (449, 4490), (470, 4565), (477, 4583), (520, 4658), (549, 4760), (600, 4919), (601, 4922), (607, 4940), (611, 4952), (631, 4997), (648, 5054), (661, 5087), (680, 5129), (747, 5219),

Gene: VasuNzinga_36 Start: 12066, Stop: 13631, Start Num: 48

Candidate Starts for VasuNzinga_36:

(Start: 48 @12066 has 17 MA's), (119, 12183), (172, 12303), (190, 12348), (192, 12357), (233, 12447), (245, 12495), (246, 12498), (277, 12540), (281, 12543), (289, 12567), (334, 12639), (337, 12642), (367, 12681), (384, 12702), (386, 12705), (424, 12750), (456, 12840), (458, 12849), (461, 12858), (474, 12900), (475, 12903), (488, 12942), (510, 12984), (512, 12990), (514, 12993), (532, 13038), (554, 13107), (584, 13206), (588, 13218), (622, 13317), (641, 13383), (651, 13404), (656, 13419), (706, 13512), (717, 13527),

Gene: Veliki_9 Start: 3070, Stop: 4623, Start Num: 50

Candidate Starts for Veliki_9:

(31, 2968), (Start: 49 @3055 has 25 MA's), (Start: 50 @3070 has 160 MA's), (128, 3169), (131, 3178), (160, 3250), (Start: 166 @3259 has 2 MA's), (174, 3283), (186, 3316), (188, 3325), (197, 3358), (231, 3427), (237, 3448), (248, 3490), (288, 3556), (294, 3571), (333, 3646), (351, 3667), (385, 3721), (441, 3841), (452, 3874), (457, 3895), (464, 3916), (473, 3946), (517, 3979), (525, 3997), (541, 4057), (546, 4075), (550, 4087), (552, 4090), (556, 4102), (557, 4105), (573, 4141), (585, 4189), (601, 4240), (607, 4258), (640, 4354), (650, 4375), (661, 4402), (664, 4411), (681, 4447),

Gene: Velveteen_4 Start: 2199, Stop: 3620, Start Num: 108

Candidate Starts for Velveteen_4:

(Start: 108 @2199 has 156 MA's), (124, 2226), (131, 2238), (184, 2367), (188, 2385), (197, 2418), (231, 2487), (241, 2523), (246, 2544), (248, 2550), (271, 2574), (273, 2577), (308, 2652), (312, 2658), (323, 2685), (336, 2703), (366, 2745), (397, 2796), (406, 2814), (421, 2847), (424, 2856), (425, 2859), (447, 2907), (449, 2916), (457, 2946), (463, 2964), (473, 2997), (526, 3054), (550, 3138), (557, 3156), (565, 3183), (571, 3195), (573, 3198), (575, 3204), (576, 3219), (587, 3252), (628, 3357), (650, 3432), (652, 3438), (655, 3447), (660, 3456), (664, 3468), (693, 3531), (728, 3579),

Gene: Verabelle_8 Start: 4165, Stop: 5598, Start Num: 108

Candidate Starts for Verabelle_8:

(Start: 108 @4165 has 156 MA's), (Start: 166 @4282 has 2 MA's), (184, 4330), (187, 4342), (283, 4585), (398, 4750), (401, 4756), (446, 4843), (449, 4855), (470, 4930), (477, 4948), (520, 5023), (549, 5125), (558, 5149), (600, 5284), (601, 5287), (607, 5305), (611, 5317), (631, 5362), (648, 5419), (661, 5452), (680, 5494), (747, 5584),

Gene: Veracruz_12 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Veracruz_12:

(Start: 74 @8738 has 530 MA's), (117, 8777), (174, 8903), (204, 8987), (233, 9050), (242, 9083), (246, 9101), (265, 9140), (281, 9167), (301, 9218), (414, 9344), (418, 9356), (424, 9371), (425, 9374), (452, 9446), (459, 9473), (461, 9479), (467, 9500), (468, 9506), (477, 9530), (496, 9572), (544, 9677), (584, 9803), (585, 9806), (601, 9857), (603, 9863), (608, 9878), (617, 9908), (662, 10034), (677, 10064), (687, 10094),

Gene: Verse_7 Start: 4246, Stop: 5679, Start Num: 108

Candidate Starts for Verse_7:

(Start: 108 @4246 has 156 MA's), (Start: 166 @4363 has 2 MA's), (184, 4411), (187, 4423), (283, 4666), (325, 4753), (398, 4831), (449, 4936), (470, 5011), (477, 5029), (503, 5068), (520, 5104), (549, 5206), (601, 5368), (607, 5386), (631, 5443), (680, 5575), (697, 5605), (747, 5665),

Gene: Vetrax_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Vetrax_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (144, 2734), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (520, 3478), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: VieEnRose_7 Start: 4373, Stop: 5827, Start Num: 121

Candidate Starts for VieEnRose_7:

(13, 3815), (21, 3959), (Start: 108 @4352 has 156 MA's), (Start: 121 @4373 has 1 MA's), (Start: 166 @4469 has 2 MA's), (187, 4529), (231, 4661), (237, 4682), (248, 4718), (346, 4880), (382, 4922), (431, 5006), (449, 5045), (463, 5093), (470, 5120), (477, 5138), (485, 5162), (486, 5165), (490, 5183), (502, 5219), (520, 5258), (535, 5303), (549, 5360), (558, 5384), (631, 5597), (661, 5687), (680, 5729),

Gene: Vine_6 Start: 3574, Stop: 5007, Start Num: 115

Candidate Starts for Vine_6:

(Start: 115 @3574 has 54 MA's), (133, 3598), (190, 3742), (191, 3748), (213, 3784), (228, 3820), (232, 3838), (241, 3871), (247, 3895), (288, 3964), (301, 3997), (425, 4153), (446, 4204), (454, 4234), (461, 4258), (474, 4300), (499, 4369), (530, 4435), (554, 4507), (607, 4678), (621, 4711), (640, 4771), (647, 4792), (662, 4825), (685, 4885), (687, 4888), (759, 4999),

Gene: Violet_11 Start: 9254, Stop: 10696, Start Num: 112

Candidate Starts for Violet_11:

(64, 9188), (Start: 112 @9254 has 204 MA's), (195, 9452), (288, 9665), (421, 9860), (425, 9872), (459, 9971), (547, 10166), (561, 10205), (584, 10283), (586, 10289), (601, 10337), (605, 10349), (608, 10358), (621, 10391), (639, 10448), (677, 10538), (687, 10571), (696, 10583),

Gene: ViviJ_6 Start: 2528, Stop: 4066, Start Num: 50

Candidate Starts for ViviJ_6:

(Start: 50 @2528 has 160 MA's), (128, 2630), (131, 2639), (149, 2693), (186, 2777), (189, 2789), (197, 2819), (207, 2837), (231, 2888), (241, 2924), (247, 2948), (248, 2951), (287, 3005), (294, 3026), (333, 3101), (351, 3122), (370, 3152), (396, 3197), (421, 3251), (441, 3296), (452, 3329), (462, 3365), (464, 3371), (517, 3434), (525, 3452), (546, 3530), (550, 3542), (552, 3545), (557, 3560), (575, 3605), (576, 3620), (583, 3641), (585, 3647), (600, 3695), (601, 3698), (607, 3716), (637, 3797), (640, 3812), (650, 3833), (664, 3869), (681, 3905), (735, 3992),

Gene: Vix_14 Start: 8736, Stop: 10190, Start Num: 74

Candidate Starts for Vix_14:

(Start: 74 @8736 has 530 MA's), (Start: 114 @8766 has 8 MA's), (129, 8793), (174, 8898), (223, 9012), (242, 9078), (265, 9135), (301, 9213), (303, 9216), (421, 9357), (459, 9468), (461, 9474), (467, 9495), (544, 9660), (584, 9786), (601, 9840), (603, 9846), (608, 9861), (621, 9897), (649, 9984), (662, 10014), (677, 10044), (696, 10089), (706, 10098),

Gene: VohminGhazi_16 Start: 9284, Stop: 10747, Start Num: 74

Candidate Starts for VohminGhazi_16:

(Start: 74 @9284 has 530 MA's), (97, 9305), (129, 9344), (167, 9431), (171, 9443), (174, 9449), (288, 9731), (434, 9944), (452, 9995), (459, 10022), (461, 10028), (467, 10049), (608, 10415), (617, 10442), (621, 10451), (640, 10511), (662, 10568), (677, 10598), (685, 10628), (709, 10655),

Gene: Volt_37 Start: 12190, Stop: 13596, Start Num: 114

Candidate Starts for Volt_37:

(Start: 114 @12190 has 8 MA's), (137, 12229), (155, 12277), (181, 12337), (231, 12463), (248, 12526), (250, 12532), (286, 12577), (361, 12712), (406, 12781), (444, 12862), (450, 12883), (457, 12910), (517, 12994), (550, 13102), (590, 13225), (599, 13255), (600, 13258), (640, 13366), (641, 13372), (655, 13402), (660, 13411), (661, 13414), (664, 13423), (706, 13495), (713, 13504), (722, 13519),

Gene: Vopal_4 Start: 2274, Stop: 3611, Start Num: 111

Candidate Starts for Vopal_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (144, 2337), (165, 2385), (170, 2397), (227, 2538), (246, 2613), (288, 2679), (328, 2760), (430, 2883), (455, 2955), (457, 2964), (461, 2976), (462, 2979), (468, 3003), (485, 3045), (547, 3171), (587, 3297), (600, 3339), (604, 3351), (677, 3537), (681, 3546), (716, 3597),

Gene: Vordorf_5 Start: 2807, Stop: 4282, Start Num: 111

Candidate Starts for Vordorf_5:

(Start: 111 @2807 has 22 MA's), (160, 2909), (170, 2930), (187, 2978), (190, 2990), (193, 3002), (195, 3011), (231, 3086), (240, 3119), (241, 3122), (242, 3125), (248, 3149), (254, 3170), (274, 3188), (299, 3254), (301, 3260), (353, 3344), (355, 3347), (447, 3509), (452, 3527), (465, 3572), (473, 3599), (481, 3623), (489, 3653), (509, 3701), (528, 3749), (536, 3773), (571, 3884), (600, 3983), (616, 4022), (660, 4133), (678, 4172), (700, 4214), (703, 4217),

Gene: VroomVroom_3 Start: 2305, Stop: 3672, Start Num: 100

Candidate Starts for VroomVroom_3:

(Start: 100 @2305 has 21 MA's), (160, 2419), (Start: 166 @2428 has 2 MA's), (197, 2527), (449, 2968), (450, 2971), (544, 3190), (573, 3268), (641, 3487), (647, 3496),

Gene: Waits_15 Start: 8347, Stop: 9807, Start Num: 74

Candidate Starts for Waits_15:

(Start: 74 @8347 has 530 MA's), (129, 8407), (174, 8512), (196, 8578), (271, 8761), (288, 8794), (301, 8827), (452, 9058), (459, 9085), (461, 9091), (467, 9112), (474, 9133), (486, 9163), (501, 9187), (544, 9277), (555, 9307), (584, 9403), (593, 9430), (601, 9457), (607, 9475), (608, 9478), (617, 9511), (621, 9520), (662, 9637), (677, 9667), (706, 9721),

Gene: WalterMcMickey_12 Start: 8403, Stop: 9848, Start Num: 74

Candidate Starts for WalterMcMickey_12:

(Start: 74 @8403 has 530 MA's), (174, 8562), (195, 8625), (233, 8709), (242, 8742), (246, 8760), (248, 8766), (264, 8799), (301, 8880), (308, 8892), (418, 9018), (425, 9036), (452, 9108), (458, 9132), (459, 9135), (461, 9141), (467, 9162), (544, 9342), (584, 9468), (585, 9471), (601, 9522), (603, 9528), (608, 9543), (617, 9573), (621, 9582), (647, 9663), (662, 9699), (677, 9729), (702, 9780), (705, 9783),

Gene: Wamburgxpress_5 Start: 2625, Stop: 4298, Start Num: 84

Candidate Starts for Wamburgxpress_5:

(Start: 84 @2625 has 64 MA's), (131, 2688), (150, 2742), (165, 2766), (189, 2835), (195, 2859), (231, 2937), (241, 2973), (286, 3066), (287, 3069), (327, 3144), (372, 3183), (421, 3246), (432, 3273), (433, 3276), (444, 3297), (450, 3318), (462, 3360), (463, 3363), (520, 3465), (526, 3480), (528, 3486), (552, 3567), (561, 3594), (562, 3600), (592, 3693), (600, 3720), (603, 3729), (628, 3783), (633, 3804), (638, 3825), (647, 3852), (650, 3861), (677, 3921), (690, 3951), (698, 3960), (762, 4068), (782, 4263),

Gene: Wander_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Wander_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Warda_3 Start: 2269, Stop: 3645, Start Num: 104

Candidate Starts for Warda_3:

(Start: 104 @2269 has 48 MA's), (Start: 166 @2389 has 2 MA's), (197, 2488), (216, 2527), (318, 2752), (412, 2845), (478, 3025), (558, 3193), (573, 3232), (579, 3262), (587, 3286), (647, 3460), (650, 3469), (710, 3580),

Gene: Warrior24_16 Start: 8351, Stop: 9811, Start Num: 74

Candidate Starts for Warrior24_16:

(Start: 74 @8351 has 530 MA's), (129, 8411), (174, 8516), (196, 8582), (271, 8765), (288, 8798), (301, 8831), (452, 9062), (459, 9089), (461, 9095), (467, 9116), (474, 9137), (486, 9167), (501, 9191), (555, 9311), (584, 9407), (593, 9434), (601, 9461), (607, 9479), (608, 9482), (617, 9515), (621, 9524), (662, 9641), (677, 9671), (706, 9725),

Gene: Waterfoul_7 Start: 2788, Stop: 4323, Start Num: 50

Candidate Starts for Waterfoul_7:

(Start: 50 @2788 has 160 MA's), (109, 2860), (131, 2896), (135, 2905), (149, 2950), (186, 3034), (189, 3046), (197, 3076), (207, 3094), (231, 3145), (241, 3181), (248, 3208), (286, 3259), (287, 3262), (288, 3268), (294, 3283), (297, 3286), (333, 3358), (351, 3379), (370, 3409), (396, 3454), (421, 3508), (441, 3553), (452, 3586), (462, 3622), (463, 3625), (464, 3628), (517, 3691), (525, 3709), (526, 3715), (546, 3787), (550, 3799), (552, 3802), (557, 3817), (575, 3862), (576, 3877), (583, 3898), (600, 3952), (601, 3955), (607, 3973), (612, 3988), (637, 4054), (640, 4069), (650, 4090), (657, 4108), (664, 4126), (681, 4162), (735, 4249),

Gene: Watermelon_14 Start: 9546, Stop: 10988, Start Num: 112

Candidate Starts for Watermelon_14:

(64, 9480), (Start: 112 @9546 has 204 MA's), (195, 9744), (288, 9957), (421, 10152), (425, 10164), (459, 10263), (547, 10458), (561, 10497), (584, 10575), (586, 10581), (601, 10629), (605, 10641), (608, 10650), (639, 10740), (677, 10830), (687, 10863), (696, 10875),

Gene: Watson_14 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for Watson_14:

(Start: 74 @8646 has 530 MA's), (Start: 114 @8676 has 8 MA's), (129, 8703), (174, 8808), (223, 8922), (242, 8988), (265, 9045), (301, 9123), (303, 9126), (421, 9267), (459, 9378), (461, 9384), (467, 9405), (544, 9570), (584, 9696), (601, 9750), (603, 9756), (608, 9771), (621, 9807), (649, 9894), (662, 9924), (677, 9954), (696, 9999), (706, 10008),

Gene: WeiHuaDA_19 Start: 11481, Stop: 12932, Start Num: 74

Candidate Starts for WeiHuaDA_19:

(Start: 74 @11481 has 530 MA's), (129, 11541), (174, 11646), (236, 11805), (288, 11928), (301, 11961), (422, 12108), (425, 12117), (452, 12189), (459, 12216), (461, 12222), (467, 12243), (486, 12294), (565, 12471), (583, 12531), (586, 12540), (601, 12588), (608, 12609), (617, 12636), (621, 12645), (649, 12732), (662, 12762), (677, 12792), (685, 12822), (706, 12846),

Gene: Wendigo_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Wendigo_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Werner_7 Start: 4056, Stop: 5492, Start Num: 108

Candidate Starts for Werner_7:

(Start: 99 @4050 has 4 MA's), (Start: 108 @4056 has 156 MA's), (123, 4080), (136, 4104), (Start: 166 @4173 has 2 MA's), (184, 4221), (187, 4233), (197, 4272), (249, 4425), (312, 4539), (346, 4581), (364, 4608), (398, 4641), (401, 4647), (446, 4737), (449, 4749), (470, 4824), (477, 4842), (520, 4920), (535, 4965), (549, 5022), (623, 5235), (631, 5259), (680, 5391), (726, 5457), (747, 5478),

Gene: Whabigail7_15 Start: 9685, Stop: 11145, Start Num: 74

Candidate Starts for Whabigail7_15:

(Start: 74 @9685 has 530 MA's), (129, 9745), (174, 9850), (246, 10048), (288, 10132), (301, 10165), (421, 10309), (452, 10393), (459, 10420), (461, 10426), (467, 10447), (468, 10453), (486, 10498), (601, 10792), (607, 10810), (608, 10813), (617, 10840), (621, 10849), (662, 10966), (677, 10996), (685, 11026), (706, 11050),

Gene: Whatever_7 Start: 4056, Stop: 5492, Start Num: 108

Candidate Starts for Whatever_7:

(Start: 99 @4050 has 4 MA's), (Start: 108 @4056 has 156 MA's), (123, 4080), (136, 4104), (Start: 166 @4173 has 2 MA's), (184, 4221), (187, 4233), (197, 4272), (249, 4425), (312, 4539), (346, 4581), (364, 4608), (398, 4641), (401, 4647), (446, 4737), (449, 4749), (470, 4824), (477, 4842), (520, 4920), (535, 4965), (549, 5022), (623, 5235), (631, 5259), (680, 5391), (726, 5457), (747, 5478),

Gene: Wheeler_12 Start: 8712, Stop: 10154, Start Num: 112

Candidate Starts for Wheeler_12:

(64, 8646), (Start: 112 @8712 has 204 MA's), (195, 8910), (288, 9123), (421, 9318), (425, 9330), (459, 9429), (547, 9624), (561, 9663), (584, 9741), (586, 9747), (601, 9795), (605, 9807), (608, 9816), (639, 9906), (677, 9996), (687, 10029), (696, 10041),

Gene: Whirlwind_7 Start: 2751, Stop: 4391, Start Num: 84

Candidate Starts for Whirlwind_7:

(Start: 84 @2751 has 64 MA's), (128, 2811), (189, 2961), (197, 2991), (231, 3063), (249, 3129), (278, 3177), (327, 3270), (372, 3309), (418, 3366), (432, 3399), (437, 3408), (444, 3423), (528, 3612), (548, 3684), (562, 3726), (628, 3909), (647, 3978), (650, 3987), (677, 4047), (690, 4077), (698, 4086), (747, 4161), (762, 4194),

Gene: Whitney_4 Start: 2191, Stop: 3627, Start Num: 73

Candidate Starts for Whitney_4:

(Start: 73 @2191 has 29 MA's), (146, 2293), (163, 2332), (165, 2335), (201, 2440), (227, 2482), (235, 2512), (241, 2536), (252, 2569), (450, 2878), (465, 2929), (466, 2935), (475, 2962), (481, 2980), (492, 3013), (518, 3064), (534, 3094), (551, 3148), (554, 3157), (561, 3178), (571, 3208), (607, 3331), (640, 3439), (665, 3502), (694, 3562), (720, 3589), (723, 3592),

Gene: Whitty_4 Start: 2624, Stop: 4189, Start Num: 53

Candidate Starts for Whitty_4:

(39, 2567), (40, 2576), (42, 2579), (Start: 53 @2624 has 7 MA's), (60, 2642), (Start: 121 @2732 has 1 MA's), (127, 2741), (133, 2753), (184, 2870), (198, 2924), (204, 2936), (214, 2960), (243, 3035), (246, 3050), (253, 3062), (259, 3074), (288, 3113), (354, 3230), (362, 3239), (368, 3248), (418, 3296), (427, 3317), (445, 3362), (446, 3365), (459, 3413), (469, 3449), (495, 3506), (529, 3563), (555, 3647), (561, 3665), (578, 3728), (592, 3770), (601, 3800), (647, 3932), (668, 3983), (696, 4046), (705, 4055),

Gene: WideWale_15 Start: 9710, Stop: 11170, Start Num: 74

Candidate Starts for WideWale_15:

(Start: 74 @9710 has 530 MA's), (129, 9770), (170, 9863), (174, 9875), (288, 10157), (301, 10190), (422, 10337), (425, 10346), (452, 10418), (459, 10445), (461, 10451), (467, 10472), (565, 10700), (601, 10817), (608, 10838), (617, 10865), (621, 10874), (662, 10991), (677, 11021), (685, 11051), (706, 11075),

Gene: Wigglewiggles_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Wigglewiggles_5:

(Start: 84 @2638 has 64 MA's), (165, 2779), (187, 2839), (188, 2845), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Wiks_16 Start: 9265, Stop: 10731, Start Num: 74

Candidate Starts for Wiks_16:

(Start: 74 @9265 has 530 MA's), (97, 9286), (129, 9325), (167, 9412), (171, 9424), (174, 9430), (288, 9712), (315, 9766), (434, 9925), (452, 9976), (459, 10003), (461, 10009), (467, 10030), (518, 10132), (561, 10243), (608, 10396), (612, 10411), (617, 10423), (621, 10432), (641, 10498), (649, 10519), (662, 10549), (677, 10579), (685, 10609),

Gene: Wilbur_12 Start: 8577, Stop: 10028, Start Num: 74

Candidate Starts for Wilbur_12:

(Start: 74 @8577 has 530 MA's), (170, 8724), (174, 8736), (239, 8904), (246, 8934), (265, 8973), (276, 8991), (301, 9051), (414, 9180), (421, 9198), (459, 9309), (461, 9315), (467, 9336), (468, 9342), (496, 9411), (528, 9471), (544, 9516), (584, 9642), (585, 9645), (601, 9696), (603, 9702), (608, 9717), (617, 9747), (647, 9837), (662, 9873), (667, 9885), (677, 9903), (685, 9933),

Gene: Wildcat_27 Start: 9714, Stop: 11153, Start Num: 87

Candidate Starts for Wildcat_27:

(63, 9681), (Start: 80 @9705 has 8 MA's), (Start: 87 @9714 has 9 MA's), (123, 9765), (131, 9777), (136, 9789), (187, 9921), (188, 9927), (189, 9930), (190, 9933), (195, 9954), (197, 9960), (230, 10020), (231, 10029), (237, 10050), (267, 10128), (411, 10308), (425, 10338), (433, 10356), (441, 10371), (450, 10398), (459, 10431), (463, 10443), (464, 10446), (481, 10491), (516, 10527), (526, 10548), (543, 10611), (561, 10662), (584, 10734), (601, 10788), (604, 10797), (635, 10878), (641, 10908), (660, 10950), (672, 10977), (701, 11028), (709, 11037), (751, 11094), (763, 11133),

Gene: Wilder_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Wilder_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528,

3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Wildwest_4 Start: 3217, Stop: 4587, Start Num: 102

Candidate Starts for Wildwest_4:

(19, 2782), (26, 2923), (34, 3028), (Start: 102 @3217 has 4 MA's), (123, 3244), (Start: 166 @3334 has 2 MA's), (216, 3472), (273, 3604), (343, 3712), (478, 3970), (558, 4135), (573, 4174), (579, 4204), (587, 4228), (647, 4402), (650, 4411), (710, 4522),

Gene: Wile_12 Start: 8588, Stop: 10045, Start Num: 74

Candidate Starts for Wile_12:

(Start: 74 @8588 has 530 MA's), (170, 8738), (174, 8750), (233, 8897), (239, 8918), (246, 8948), (265, 8987), (276, 9005), (301, 9065), (414, 9194), (421, 9212), (425, 9224), (435, 9248), (459, 9323), (461, 9329), (467, 9350), (468, 9356), (528, 9485), (544, 9530), (584, 9656), (585, 9659), (601, 9710), (608, 9731), (617, 9758), (647, 9848), (662, 9884), (667, 9896), (677, 9914), (685, 9944),

Gene: Wilkins_12 Start: 8423, Stop: 9865, Start Num: 112

Candidate Starts for Wilkins_12:

(64, 8357), (Start: 112 @8423 has 204 MA's), (195, 8621), (288, 8834), (421, 9029), (425, 9041), (459, 9140), (484, 9212), (547, 9335), (561, 9374), (584, 9452), (586, 9458), (601, 9506), (605, 9518), (608, 9527), (639, 9617), (677, 9707), (687, 9740), (696, 9752),

Gene: Windest_4 Start: 2274, Stop: 3611, Start Num: 111

Candidate Starts for Windest_4:

(Start: 96 @2262 has 3 MA's), (Start: 111 @2274 has 22 MA's), (144, 2337), (165, 2385), (170, 2397), (227, 2538), (246, 2613), (288, 2679), (328, 2760), (430, 2883), (455, 2955), (457, 2964), (461, 2976), (462, 2979), (468, 3003), (485, 3045), (547, 3171), (587, 3297), (600, 3339), (604, 3351), (677, 3537), (681, 3546), (716, 3597),

Gene: Winky_5 Start: 2638, Stop: 4293, Start Num: 84

Candidate Starts for Winky_5:

(Start: 84 @2638 has 64 MA's), (131, 2701), (165, 2779), (187, 2839), (189, 2848), (195, 2872), (197, 2878), (231, 2950), (248, 3013), (278, 3064), (327, 3157), (372, 3196), (421, 3259), (425, 3271), (430, 3280), (432, 3286), (433, 3289), (444, 3310), (450, 3331), (452, 3337), (463, 3376), (516, 3472), (528, 3499), (561, 3607), (562, 3613), (592, 3706), (600, 3733), (628, 3796), (633, 3817), (638, 3838), (647, 3865), (650, 3874), (677, 3934), (690, 3964), (698, 3973), (704, 3979), (762, 4081), (767, 4114), (774, 4153), (782, 4258),

Gene: Wintermute_10 Start: 3921, Stop: 5507, Start Num: 50

Candidate Starts for Wintermute_10:

(Start: 49 @3906 has 25 MA's), (Start: 50 @3921 has 160 MA's), (60, 3945), (109, 4011), (135, 4056), (Start: 166 @4128 has 2 MA's), (186, 4185), (188, 4194), (189, 4197), (197, 4227), (231, 4296), (237, 4317), (246, 4353), (248, 4359), (271, 4383), (288, 4419), (294, 4434), (315, 4473), (399, 4608), (404, 4617), (414, 4635), (424, 4662), (425, 4665), (441, 4698), (452, 4731), (457, 4752), (464, 4773), (517, 4836), (526, 4860), (535, 4884), (546, 4932), (550, 4944), (555, 4956), (557, 4962), (571, 5001), (605, 5115), (607, 5121), (650, 5292), (661, 5319), (664, 5328), (693, 5391), (704, 5403),

Gene: Wizard007_12 Start: 8580, Stop: 10031, Start Num: 74

Candidate Starts for Wizard007_12:

(Start: 74 @8580 has 530 MA's), (174, 8739), (239, 8907), (246, 8937), (265, 8976), (276, 8994), (301, 9054), (414, 9183), (421, 9201), (459, 9312), (461, 9318), (467, 9339), (468, 9345), (496, 9414), (528, 9474), (544, 9519), (584, 9645), (585, 9648), (601, 9699), (603, 9705), (608, 9720), (617, 9750), (647,

9840), (662, 9876), (667, 9888), (677, 9906), (685, 9936),

Gene: Wizzo_3 Start: 1886, Stop: 3211, Start Num: 106

Candidate Starts for Wizzo_3:

(Start: 106 @1886 has 46 MA's), (118, 1901), (128, 1919), (139, 1940), (157, 1991), (165, 2000), (167, 2006), (174, 2024), (180, 2033), (184, 2042), (185, 2045), (190, 2066), (192, 2075), (223, 2126), (227, 2135), (237, 2174), (239, 2180), (244, 2201), (246, 2210), (260, 2240), (261, 2243), (304, 2318), (306, 2321), (335, 2360), (338, 2363), (348, 2375), (366, 2387), (415, 2432), (417, 2438), (424, 2456), (425, 2459), (430, 2468), (459, 2558), (463, 2570), (477, 2615), (499, 2657), (506, 2666), (509, 2675), (534, 2708), (547, 2753), (550, 2762), (554, 2771), (561, 2792), (576, 2846), (584, 2870), (621, 2984), (628, 2990), (639, 3041), (642, 3053), (648, 3068), (658, 3089), (659, 3092), (662, 3098), (663, 3101), (670, 3116), (678, 3131), (679, 3134), (689, 3164),

Gene: Wooldri_16 Start: 8565, Stop: 10019, Start Num: 74

Candidate Starts for Wooldri_16:

(Start: 74 @8565 has 530 MA's), (Start: 114 @8595 has 8 MA's), (129, 8622), (174, 8727), (223, 8841), (242, 8907), (265, 8964), (301, 9042), (303, 9045), (421, 9186), (459, 9297), (461, 9303), (467, 9324), (544, 9489), (584, 9615), (601, 9669), (603, 9675), (608, 9690), (621, 9726), (649, 9813), (662, 9843), (677, 9873), (696, 9918), (706, 9927),

Gene: Wrigley_3 Start: 2278, Stop: 3726, Start Num: 77

Candidate Starts for Wrigley_3:

(35, 2125), (Start: 77 @2278 has 21 MA's), (92, 2296), (183, 2464), (191, 2497), (218, 2545), (237, 2602), (241, 2617), (360, 2812), (422, 2881), (425, 2890), (461, 2995), (497, 3097), (510, 3121), (514, 3130), (531, 3166), (547, 3220), (565, 3274), (578, 3319), (593, 3364), (605, 3403), (606, 3406), (607, 3409), (628, 3454), (727, 3673),

Gene: WunderPhul_16 Start: 9265, Stop: 10731, Start Num: 74

Candidate Starts for WunderPhul_16:

(Start: 74 @9265 has 530 MA's), (97, 9286), (129, 9325), (167, 9412), (171, 9424), (174, 9430), (288, 9712), (315, 9766), (434, 9925), (452, 9976), (459, 10003), (461, 10009), (467, 10030), (518, 10132), (561, 10243), (608, 10396), (612, 10411), (617, 10423), (621, 10432), (641, 10498), (649, 10519), (662, 10549), (677, 10579), (685, 10609),

Gene: Wyatt2_5 Start: 2625, Stop: 4298, Start Num: 84

Candidate Starts for Wyatt2_5:

(Start: 84 @2625 has 64 MA's), (131, 2688), (150, 2742), (165, 2766), (189, 2835), (195, 2859), (231, 2937), (241, 2973), (286, 3066), (287, 3069), (327, 3144), (372, 3183), (421, 3246), (432, 3273), (433, 3276), (444, 3297), (450, 3318), (462, 3360), (463, 3363), (520, 3465), (526, 3480), (528, 3486), (552, 3567), (561, 3594), (562, 3600), (592, 3693), (600, 3720), (603, 3729), (628, 3783), (633, 3804), (638, 3825), (647, 3852), (650, 3861), (677, 3921), (690, 3951), (698, 3960), (762, 4068), (782, 4263),

Gene: Xena_12 Start: 8575, Stop: 10032, Start Num: 74

Candidate Starts for Xena_12:

(Start: 74 @8575 has 530 MA's), (170, 8725), (174, 8737), (233, 8884), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (425, 9211), (435, 9235), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (608, 9718), (617, 9745), (647, 9835), (662, 9871), (667, 9883), (677, 9901), (685, 9931),

Gene: XianYue_13 Start: 9147, Stop: 10622, Start Num: 74

Candidate Starts for XianYue_13:

(Start: 74 @9147 has 530 MA's), (129, 9207), (174, 9312), (288, 9594), (301, 9627), (422, 9774), (425, 9783), (452, 9855), (459, 9882), (461, 9888), (467, 9909), (486, 9960), (561, 10122), (601, 10254),

(608, 10275), (617, 10302), (621, 10311), (662, 10428), (677, 10458), (685, 10488), (706, 10512), (760, 10599),

Gene: Ximenita_9 Start: 3130, Stop: 4680, Start Num: 50

Candidate Starts for Ximenita_9:

(28, 2998), (31, 3025), (Start: 49 @3115 has 25 MA's), (Start: 50 @3130 has 160 MA's), (70, 3160), (131, 3238), (174, 3343), (188, 3385), (231, 3487), (241, 3523), (248, 3550), (294, 3628), (315, 3667), (351, 3724), (395, 3793), (404, 3817), (421, 3853), (425, 3865), (441, 3898), (452, 3931), (457, 3952), (464, 3973), (473, 4003), (517, 4036), (525, 4054), (550, 4144), (552, 4147), (557, 4162), (573, 4198), (575, 4204), (585, 4246), (601, 4297), (607, 4315), (639, 4408), (640, 4411), (650, 4432), (660, 4456), (661, 4459), (664, 4468),

Gene: Y10_10 Start: 3922, Stop: 5508, Start Num: 50

Candidate Starts for Y10_10:

(Start: 49 @3907 has 25 MA's), (Start: 50 @3922 has 160 MA's), (60, 3946), (109, 4012), (135, 4057), (Start: 166 @4129 has 2 MA's), (186, 4186), (188, 4195), (189, 4198), (197, 4228), (231, 4297), (237, 4318), (241, 4333), (246, 4354), (248, 4360), (271, 4384), (288, 4420), (294, 4435), (315, 4474), (399, 4609), (404, 4618), (414, 4636), (424, 4663), (425, 4666), (441, 4699), (452, 4732), (457, 4753), (464, 4774), (517, 4837), (526, 4861), (535, 4885), (546, 4933), (550, 4945), (555, 4957), (557, 4963), (571, 5002), (605, 5116), (607, 5122), (650, 5293), (661, 5320), (664, 5329), (693, 5392), (704, 5404),

Gene: Y2_10 Start: 3922, Stop: 5508, Start Num: 50

Candidate Starts for Y2_10:

(Start: 49 @3907 has 25 MA's), (Start: 50 @3922 has 160 MA's), (60, 3946), (109, 4012), (135, 4057), (Start: 166 @4129 has 2 MA's), (186, 4186), (188, 4195), (189, 4198), (197, 4228), (231, 4297), (237, 4318), (241, 4333), (246, 4354), (248, 4360), (271, 4384), (288, 4420), (294, 4435), (315, 4474), (399, 4609), (404, 4618), (414, 4636), (424, 4663), (425, 4666), (441, 4699), (452, 4732), (457, 4753), (464, 4774), (517, 4837), (526, 4861), (535, 4885), (546, 4933), (550, 4945), (555, 4957), (557, 4963), (571, 5002), (605, 5116), (607, 5122), (650, 5293), (661, 5320), (664, 5329), (693, 5392), (704, 5404),

Gene: Yakult_6 Start: 2761, Stop: 4203, Start Num: 115

Candidate Starts for Yakult_6:

(Start: 115 @2761 has 54 MA's), (129, 2776), (172, 2878), (184, 2899), (185, 2902), (191, 2929), (213, 2965), (236, 3034), (244, 3064), (248, 3079), (277, 3121), (312, 3196), (422, 3325), (425, 3334), (427, 3337), (449, 3397), (454, 3415), (456, 3421), (461, 3439), (463, 3445), (520, 3589), (522, 3598), (554, 3688), (560, 3703), (607, 3859), (617, 3883), (621, 3892), (629, 3901), (642, 3961), (648, 3976), (685, 4066), (696, 4081), (759, 4192),

Gene: Yang_3 Start: 2261, Stop: 3796, Start Num: 101

Candidate Starts for Yang_3:

(Start: 101 @2261 has 12 MA's), (Start: 166 @2381 has 2 MA's), (197, 2480), (318, 2744), (478, 3017), (558, 3182), (573, 3221), (579, 3251), (587, 3275), (647, 3449), (664, 3494), (704, 3560), (734, 3608), (749, 3638), (760, 3659), (765, 3683), (770, 3710),

Gene: Yarn_4 Start: 2790, Stop: 4244, Start Num: 115

Candidate Starts for Yarn_4:

(Start: 115 @2790 has 54 MA's), (133, 2814), (180, 2928), (184, 2937), (222, 3018), (244, 3102), (288, 3183), (391, 3330), (425, 3372), (446, 3423), (454, 3453), (459, 3471), (461, 3477), (544, 3705), (554, 3732), (560, 3747), (565, 3768), (591, 3852), (598, 3876), (648, 4020), (656, 4038), (662, 4050), (663, 4053), (685, 4110), (687, 4113), (759, 4221),

Gene: Yasdnii_7 Start: 4055, Stop: 5491, Start Num: 108

Candidate Starts for Yasdnii_7:

(Start: 99 @4049 has 4 MA's), (Start: 108 @4055 has 156 MA's), (123, 4079), (136, 4103), (Start: 166 @4172 has 2 MA's), (184, 4220), (187, 4232), (197, 4271), (249, 4424), (271, 4454), (312, 4538), (346, 4580), (398, 4640), (401, 4646), (446, 4736), (449, 4748), (470, 4823), (477, 4841), (520, 4919), (535, 4964), (549, 5021), (623, 5234), (631, 5258), (680, 5390), (747, 5477),

Gene: Yecey3_13 Start: 8082, Stop: 9566, Start Num: 74

Candidate Starts for Yecey3_13:

(Start: 74 @8082 has 530 MA's), (90, 8094), (129, 8142), (174, 8247), (223, 8361), (252, 8457), (288, 8529), (414, 8688), (435, 8742), (440, 8751), (452, 8790), (459, 8817), (461, 8823), (467, 8844), (486, 8895), (547, 9018), (601, 9189), (607, 9207), (617, 9237), (621, 9246), (649, 9333), (659, 9357), (662, 9363), (677, 9393), (696, 9438), (706, 9447),

Gene: YesChef_3 Start: 2320, Stop: 3696, Start Num: 104

Candidate Starts for YesChef_3:

(Start: 104 @2320 has 48 MA's), (Start: 166 @2440 has 2 MA's), (197, 2539), (216, 2578), (318, 2803), (412, 2896), (478, 3076), (558, 3244), (573, 3283), (579, 3313), (587, 3337), (647, 3511), (650, 3520), (710, 3631),

Gene: YoSam321_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for YoSam321_12:

(Start: 74 @8578 has 530 MA's), (170, 8725), (174, 8737), (239, 8905), (246, 8935), (265, 8974), (276, 8992), (301, 9052), (414, 9181), (421, 9199), (449, 9274), (459, 9310), (461, 9316), (467, 9337), (468, 9343), (496, 9412), (528, 9472), (544, 9517), (584, 9643), (585, 9646), (601, 9697), (603, 9703), (608, 9718), (617, 9748), (647, 9838), (662, 9874), (677, 9904), (685, 9934),

Gene: Yogi_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Yogi_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (281, 5252), (363, 5381), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (550, 5765), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Yokurt_16 Start: 9265, Stop: 10731, Start Num: 74

Candidate Starts for Yokurt_16:

(Start: 74 @9265 has 530 MA's), (97, 9286), (129, 9325), (167, 9412), (171, 9424), (174, 9430), (288, 9712), (315, 9766), (434, 9925), (452, 9976), (459, 10003), (461, 10009), (467, 10030), (518, 10132), (561, 10243), (608, 10396), (612, 10411), (617, 10423), (621, 10432), (641, 10498), (649, 10519), (662, 10549), (677, 10579), (685, 10609),

Gene: Yoncess_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Yoncess_9:

(Start: 74 @4835 has 530 MA's), (185, 5012), (190, 5033), (197, 5060), (204, 5075), (233, 5138), (281, 5252), (363, 5381), (424, 5453), (455, 5540), (457, 5549), (459, 5555), (474, 5603), (500, 5657), (511, 5672), (516, 5681), (544, 5747), (547, 5756), (593, 5900), (607, 5945), (608, 5948), (640, 6041), (662, 6098), (677, 6128), (685, 6155), (696, 6167), (702, 6173),

Gene: Yoshi_4 Start: 2180, Stop: 3604, Start Num: 73

Candidate Starts for Yoshi_4:

(Start: 73 @2180 has 29 MA's), (105, 2213), (142, 2273), (165, 2327), (168, 2336), (184, 2369), (201, 2432), (228, 2477), (239, 2519), (241, 2528), (252, 2561), (276, 2588), (301, 2648), (307, 2657), (308, 2660), (331, 2693), (350, 2714), (386, 2756), (418, 2786), (422, 2795), (427, 2807), (429, 2810), (449, 2867), (450, 2870), (452, 2876), (458, 2900), (465, 2921), (466, 2927), (481, 2972), (492, 3005), (499, 3020), (534, 3086), (551, 3140), (565, 3185), (571, 3200), (591, 3272), (605, 3317), (607, 3323), (640,

3431), (642, 3440), (645, 3449), (659, 3479), (665, 3494), (679, 3521),

Gene: Yosif_8 Start: 4526, Stop: 5956, Start Num: 108

Candidate Starts for Yosif_8:

(Start: 108 @4526 has 156 MA's), (Start: 166 @4643 has 2 MA's), (187, 4703), (231, 4838), (237, 4859), (283, 4946), (398, 5111), (410, 5129), (446, 5204), (449, 5216), (470, 5291), (477, 5309), (520, 5384), (541, 5459), (549, 5486), (583, 5591), (629, 5711), (631, 5723), (661, 5813), (680, 5855), (747, 5945),

Gene: YoungHarleezy_4 Start: 2273, Stop: 3610, Start Num: 111

Candidate Starts for YoungHarleezy_4:

(44, 2153), (46, 2156), (54, 2195), (Start: 55 @2198 has 21 MA's), (60, 2210), (Start: 84 @2246 has 64 MA's), (Start: 96 @2261 has 3 MA's), (Start: 111 @2273 has 22 MA's), (165, 2384), (170, 2396), (277, 2654), (301, 2711), (328, 2759), (418, 2855), (425, 2873), (430, 2882), (457, 2963), (461, 2975), (462, 2978), (468, 3002), (485, 3044), (547, 3170), (565, 3224), (584, 3287), (600, 3338), (604, 3350), (619, 3389), (640, 3455), (677, 3536), (678, 3539), (681, 3545), (716, 3596),

Gene: YoureAdopted_8 Start: 2996, Stop: 4552, Start Num: 50

Candidate Starts for YoureAdopted_8:

(31, 2894), (Start: 49 @2981 has 25 MA's), (Start: 50 @2996 has 160 MA's), (128, 3095), (131, 3104), (160, 3176), (Start: 166 @3185 has 2 MA's), (174, 3209), (186, 3242), (188, 3251), (197, 3284), (231, 3353), (237, 3374), (248, 3416), (288, 3482), (294, 3497), (333, 3572), (351, 3593), (385, 3647), (441, 3767), (452, 3800), (457, 3821), (464, 3842), (473, 3872), (517, 3905), (525, 3923), (546, 4001), (550, 4013), (552, 4016), (556, 4028), (557, 4031), (573, 4067), (585, 4115), (601, 4166), (607, 4184), (640, 4280), (650, 4301), (661, 4328), (664, 4337), (681, 4373),

Gene: Yucky_7 Start: 3435, Stop: 4868, Start Num: 115

Candidate Starts for Yucky_7:

(Start: 115 @3435 has 54 MA's), (133, 3459), (190, 3603), (191, 3609), (213, 3645), (228, 3681), (232, 3699), (241, 3732), (247, 3756), (288, 3825), (301, 3858), (425, 4014), (446, 4065), (454, 4095), (461, 4119), (474, 4161), (499, 4230), (509, 4248), (530, 4296), (554, 4368), (607, 4539), (621, 4572), (640, 4632), (647, 4653), (662, 4686), (685, 4746), (687, 4749), (759, 4860),

Gene: Yummy_6 Start: 2693, Stop: 4147, Start Num: 115

Candidate Starts for Yummy_6:

(Start: 115 @2693 has 54 MA's), (133, 2717), (180, 2831), (184, 2840), (231, 2957), (242, 2996), (244, 3005), (288, 3086), (391, 3233), (425, 3275), (454, 3356), (459, 3374), (461, 3380), (498, 3488), (544, 3608), (554, 3635), (565, 3671), (598, 3779), (605, 3800), (648, 3923), (662, 3953), (685, 4013), (687, 4016), (694, 4025), (759, 4124),

Gene: Yuna_9 Start: 3102, Stop: 4664, Start Num: 50

Candidate Starts for Yuna_9:

(28, 2970), (31, 2997), (Start: 49 @3087 has 25 MA's), (Start: 50 @3102 has 160 MA's), (118, 3198), (131, 3219), (135, 3228), (137, 3234), (143, 3249), (147, 3261), (Start: 166 @3300 has 2 MA's), (174, 3324), (188, 3366), (231, 3468), (237, 3489), (241, 3504), (288, 3594), (294, 3609), (351, 3705), (357, 3714), (366, 3729), (425, 3846), (441, 3879), (452, 3912), (457, 3933), (464, 3954), (473, 3984), (517, 4017), (525, 4035), (546, 4113), (550, 4125), (556, 4140), (557, 4143), (573, 4179), (585, 4227), (601, 4278), (607, 4296), (637, 4377), (639, 4389), (650, 4413), (661, 4440), (664, 4449),

Gene: Yunkel11_9 Start: 3023, Stop: 4576, Start Num: 50

Candidate Starts for Yunkel11_9:

(Start: 49 @3008 has 25 MA's), (Start: 50 @3023 has 160 MA's), (128, 3116), (131, 3125), (143, 3155), (174, 3230), (186, 3263), (188, 3272), (231, 3374), (237, 3395), (241, 3410), (246, 3431), (248, 3437),

(294, 3515), (315, 3554), (351, 3611), (441, 3785), (457, 3839), (464, 3860), (473, 3890), (517, 3923), (546, 4019), (550, 4031), (552, 4034), (556, 4046), (557, 4049), (561, 4061), (569, 4082), (573, 4085), (607, 4202), (639, 4295), (650, 4319), (660, 4343), (661, 4346), (664, 4355), (704, 4430), (735, 4478),

Gene: Zabiza_9 Start: 3020, Stop: 4579, Start Num: 50

Candidate Starts for Zabiza_9:

(31, 2918), (Start: 49 @3005 has 25 MA's), (Start: 50 @3020 has 160 MA's), (128, 3122), (131, 3131), (160, 3203), (Start: 166 @3212 has 2 MA's), (174, 3236), (186, 3269), (188, 3278), (197, 3311), (207, 3329), (231, 3380), (237, 3401), (248, 3443), (288, 3509), (294, 3524), (333, 3599), (351, 3620), (385, 3674), (441, 3794), (452, 3827), (457, 3848), (464, 3869), (473, 3899), (517, 3932), (525, 3950), (546, 4028), (550, 4040), (552, 4043), (556, 4055), (557, 4058), (573, 4094), (585, 4142), (601, 4193), (607, 4211), (640, 4307), (650, 4328), (661, 4355), (664, 4364), (681, 4400),

Gene: Zainub_9 Start: 4426, Stop: 5895, Start Num: 108

Candidate Starts for Zainub_9:

(Start: 108 @4426 has 156 MA's), (Start: 166 @4543 has 2 MA's), (187, 4603), (197, 4642), (231, 4735), (237, 4756), (346, 4948), (364, 4975), (423, 5053), (449, 5113), (461, 5155), (470, 5188), (477, 5206), (483, 5224), (486, 5233), (513, 5314), (535, 5371), (547, 5422), (549, 5428), (607, 5608), (631, 5665), (661, 5755), (664, 5764), (747, 5881),

Gene: Zaka_16 Start: 9265, Stop: 10731, Start Num: 74

Candidate Starts for Zaka_16:

(Start: 74 @9265 has 530 MA's), (97, 9286), (129, 9325), (167, 9412), (171, 9424), (174, 9430), (288, 9712), (315, 9766), (434, 9925), (452, 9976), (459, 10003), (461, 10009), (467, 10030), (518, 10132), (561, 10243), (608, 10396), (612, 10411), (617, 10423), (621, 10432), (641, 10498), (649, 10519), (662, 10549), (677, 10579), (685, 10609),

Gene: Zakai_5 Start: 2626, Stop: 4281, Start Num: 84

Candidate Starts for Zakai_5:

(Start: 84 @2626 has 64 MA's), (131, 2689), (165, 2767), (187, 2827), (189, 2836), (195, 2860), (197, 2866), (231, 2938), (248, 3001), (278, 3052), (327, 3145), (372, 3184), (421, 3247), (425, 3259), (430, 3268), (432, 3274), (433, 3277), (444, 3298), (450, 3319), (452, 3325), (463, 3364), (516, 3460), (528, 3487), (561, 3595), (562, 3601), (592, 3694), (600, 3721), (628, 3784), (633, 3805), (638, 3826), (647, 3853), (650, 3862), (677, 3922), (690, 3952), (698, 3961), (704, 3967), (762, 4069), (767, 4102), (774, 4141), (782, 4246),

Gene: Zapner_5 Start: 2705, Stop: 4129, Start Num: 73

Candidate Starts for Zapner_5:

(Start: 73 @2705 has 29 MA's), (105, 2738), (140, 2792), (165, 2852), (168, 2861), (184, 2894), (192, 2927), (201, 2957), (228, 3002), (232, 3020), (239, 3044), (241, 3053), (276, 3113), (301, 3173), (307, 3182), (308, 3185), (331, 3218), (350, 3239), (386, 3281), (422, 3320), (427, 3332), (429, 3335), (449, 3392), (450, 3395), (452, 3401), (456, 3416), (465, 3446), (466, 3452), (492, 3530), (534, 3611), (551, 3665), (565, 3710), (571, 3725), (591, 3797), (605, 3842), (607, 3848), (640, 3956), (642, 3965), (645, 3974), (659, 4004), (665, 4019), (679, 4046),

Gene: Zareef_8 Start: 3687, Stop: 5132, Start Num: 115

Candidate Starts for Zareef_8:

(Start: 115 @3687 has 54 MA's), (126, 3699), (129, 3705), (147, 3747), (156, 3777), (190, 3855), (227, 3924), (288, 4071), (412, 4230), (424, 4260), (429, 4269), (454, 4344), (461, 4368), (463, 4374), (495, 4470), (506, 4488), (520, 4518), (534, 4554), (554, 4617), (568, 4662), (596, 4752), (600, 4767), (604, 4779), (607, 4788), (617, 4812), (640, 4881), (656, 4923), (662, 4935), (663, 4938), (693, 5004), (704, 5010),

Gene: Zaria_5 Start: 2625, Stop: 4298, Start Num: 84

Candidate Starts for Zaria_5:

(Start: 84 @2625 has 64 MA's), (131, 2688), (150, 2742), (165, 2766), (189, 2835), (195, 2859), (231, 2937), (241, 2973), (286, 3066), (287, 3069), (327, 3144), (372, 3183), (421, 3246), (432, 3273), (433, 3276), (444, 3297), (450, 3318), (462, 3360), (463, 3363), (520, 3465), (526, 3480), (528, 3486), (552, 3567), (561, 3594), (562, 3600), (592, 3693), (600, 3720), (603, 3729), (628, 3783), (633, 3804), (638, 3825), (647, 3852), (650, 3861), (677, 3921), (690, 3951), (698, 3960), (762, 4068), (782, 4263),

Gene: Zavala_9 Start: 3005, Stop: 4561, Start Num: 50

Candidate Starts for Zavala_9:

(31, 2903), (Start: 49 @2990 has 25 MA's), (Start: 50 @3005 has 160 MA's), (128, 3104), (131, 3113), (160, 3185), (Start: 166 @3194 has 2 MA's), (174, 3218), (186, 3251), (188, 3260), (197, 3293), (231, 3362), (237, 3383), (248, 3425), (288, 3491), (294, 3506), (333, 3581), (351, 3602), (385, 3656), (441, 3776), (452, 3809), (457, 3830), (464, 3851), (473, 3881), (517, 3914), (525, 3932), (546, 4010), (550, 4022), (552, 4025), (556, 4037), (557, 4040), (573, 4076), (585, 4124), (601, 4175), (607, 4193), (640, 4289), (650, 4310), (661, 4337), (664, 4346), (681, 4382),

Gene: Zeeculate_11 Start: 8407, Stop: 9849, Start Num: 112

Candidate Starts for Zeeculate_11:

(64, 8341), (Start: 112 @8407 has 204 MA's), (195, 8605), (288, 8818), (421, 9013), (425, 9025), (459, 9124), (484, 9196), (547, 9319), (561, 9358), (584, 9436), (586, 9442), (601, 9490), (605, 9502), (608, 9511), (639, 9601), (677, 9691), (687, 9724), (696, 9736),

Gene: Zemlya_8 Start: 4055, Stop: 5491, Start Num: 108

Candidate Starts for Zemlya_8:

(Start: 99 @4049 has 4 MA's), (Start: 108 @4055 has 156 MA's), (123, 4079), (136, 4103), (Start: 166 @4172 has 2 MA's), (184, 4220), (197, 4271), (249, 4424), (271, 4454), (312, 4538), (346, 4580), (401, 4646), (446, 4736), (449, 4748), (477, 4841), (520, 4919), (535, 4964), (549, 5021), (558, 5045), (623, 5234), (631, 5258), (747, 5477),

Gene: ZenTime222_4 Start: 2624, Stop: 4189, Start Num: 53

Candidate Starts for ZenTime222_4:

(39, 2567), (40, 2576), (42, 2579), (Start: 53 @2624 has 7 MA's), (60, 2642), (Start: 121 @2732 has 1 MA's), (127, 2741), (133, 2753), (184, 2870), (198, 2924), (204, 2936), (214, 2960), (243, 3035), (246, 3050), (253, 3062), (259, 3074), (288, 3113), (354, 3230), (362, 3239), (368, 3248), (418, 3296), (427, 3317), (445, 3362), (446, 3365), (459, 3413), (469, 3449), (495, 3506), (529, 3563), (555, 3647), (561, 3665), (578, 3728), (592, 3770), (601, 3800), (647, 3932), (668, 3983), (696, 4046), (705, 4055),

Gene: Zephyr_12 Start: 8548, Stop: 9990, Start Num: 112

Candidate Starts for Zephyr_12:

(64, 8482), (Start: 112 @8548 has 204 MA's), (195, 8746), (288, 8959), (365, 9088), (421, 9154), (424, 9163), (459, 9265), (484, 9337), (547, 9460), (561, 9499), (584, 9577), (586, 9583), (601, 9631), (605, 9643), (608, 9652), (639, 9742), (677, 9832), (687, 9865), (696, 9877),

Gene: Zeta1847_3 Start: 2253, Stop: 3662, Start Num: 104

Candidate Starts for Zeta1847_3:

(Start: 104 @2253 has 48 MA's), (Start: 166 @2373 has 2 MA's), (404, 2817), (421, 2853), (424, 2862), (444, 2898), (458, 2949), (463, 2964), (465, 2970), (564, 3216), (609, 3360), (635, 3417), (647, 3456), (661, 3492), (715, 3576), (753, 3651),

Gene: Zetzy_13 Start: 8219, Stop: 9673, Start Num: 74

Candidate Starts for Zetzy_13:

(Start: 74 @8219 has 530 MA's), (Start: 114 @8249 has 8 MA's), (129, 8276), (174, 8381), (223, 8495), (242, 8561), (265, 8618), (281, 8645), (301, 8696), (421, 8840), (459, 8951), (461, 8957), (467, 8978), (544, 9143), (584, 9269), (601, 9323), (603, 9329), (608, 9344), (621, 9380), (649, 9467), (662, 9497), (677, 9527), (696, 9572), (706, 9581),

Gene: Zeuska_13 Start: 9226, Stop: 10668, Start Num: 112

Candidate Starts for Zeuska_13:

(64, 9160), (Start: 112 @9226 has 204 MA's), (195, 9424), (288, 9637), (421, 9832), (425, 9844), (459, 9943), (547, 10138), (561, 10177), (584, 10255), (586, 10261), (601, 10309), (605, 10321), (608, 10330), (639, 10420), (677, 10510), (687, 10543), (696, 10555),

Gene: ZhongYanYuan_4 Start: 2470, Stop: 4125, Start Num: 84

Candidate Starts for ZhongYanYuan_4:

(Start: 84 @2470 has 64 MA's), (131, 2533), (165, 2611), (189, 2680), (195, 2704), (197, 2710), (231, 2782), (241, 2818), (248, 2845), (278, 2896), (327, 2989), (372, 3028), (418, 3085), (421, 3091), (425, 3103), (430, 3112), (432, 3118), (433, 3121), (444, 3142), (450, 3163), (452, 3169), (463, 3208), (516, 3304), (528, 3331), (561, 3439), (562, 3445), (592, 3538), (600, 3565), (628, 3628), (633, 3649), (638, 3670), (647, 3697), (650, 3706), (677, 3766), (690, 3796), (698, 3805), (704, 3811), (757, 3901), (762, 3913), (767, 3946), (774, 3985), (782, 4090),

Gene: Ziko_38 Start: 12130, Stop: 13536, Start Num: 114

Candidate Starts for Ziko_38:

(Start: 114 @12130 has 8 MA's), (137, 12169), (155, 12217), (181, 12277), (231, 12403), (248, 12466), (250, 12472), (286, 12517), (361, 12652), (406, 12721), (444, 12802), (450, 12823), (457, 12850), (517, 12934), (550, 13042), (590, 13165), (599, 13195), (600, 13198), (640, 13306), (641, 13312), (655, 13342), (660, 13351), (661, 13354), (664, 13363), (706, 13435), (713, 13444), (722, 13459),

Gene: Zimmer_15 Start: 10806, Stop: 12263, Start Num: 74

Candidate Starts for Zimmer_15:

(Start: 74 @10806 has 530 MA's), (129, 10866), (174, 10971), (190, 11013), (223, 11085), (252, 11181), (288, 11253), (301, 11286), (419, 11427), (424, 11439), (452, 11514), (459, 11541), (461, 11547), (467, 11568), (486, 11619), (601, 11913), (607, 11931), (612, 11949), (617, 11961), (621, 11970), (640, 12030), (662, 12087), (677, 12117), (680, 12126), (685, 12147), (694, 12159), (755, 12240),

Gene: ZoMa_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for ZoMa_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (356, 2449), (360, 2455), (370, 2467), (422, 2518), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: ZoeJ_5 Start: 2085, Stop: 3584, Start Num: 50

Candidate Starts for ZoeJ_5:

(27, 1944), (Start: 49 @2070 has 25 MA's), (Start: 50 @2085 has 160 MA's), (131, 2187), (137, 2202), (Start: 166 @2268 has 2 MA's), (176, 2301), (186, 2325), (189, 2337), (195, 2361), (197, 2367), (227, 2418), (231, 2436), (237, 2457), (246, 2493), (248, 2499), (271, 2523), (288, 2559), (333, 2649), (404, 2757), (424, 2802), (425, 2805), (430, 2814), (441, 2838), (457, 2892), (464, 2913), (473, 2943), (517, 2976), (525, 2994), (526, 3000), (535, 3024), (550, 3084), (555, 3096), (557, 3102), (571, 3141), (601, 3243), (607, 3261), (629, 3306), (655, 3393), (660, 3402), (661, 3405), (664, 3414), (684, 3465), (720, 3510), (760, 3561),

Gene: Zolita_9 Start: 8017, Stop: 9450, Start Num: 75

Candidate Starts for Zolita_9:

(Start: 75 @8017 has 72 MA's), (170, 8152), (185, 8185), (188, 8200), (190, 8206), (197, 8233), (252, 8374), (265, 8401), (301, 8479), (363, 8560), (421, 8623), (422, 8626), (424, 8632), (425, 8635), (452, 8707), (461, 8740), (467, 8761), (477, 8791), (584, 9052), (601, 9106), (607, 9124), (621, 9163), (662, 9280), (677, 9310), (696, 9355), (706, 9364),

Gene: Zombie_3 Start: 1888, Stop: 3402, Start Num: 59

Candidate Starts for Zombie_3:

(9, 1321), (16, 1489), (18, 1504), (24, 1633), (Start: 59 @1888 has 72 MA's), (117, 1951), (118, 1954), (123, 1963), (184, 2095), (238, 2242), (239, 2245), (286, 2335), (301, 2374), (308, 2386), (356, 2449), (360, 2455), (414, 2497), (427, 2530), (450, 2593), (461, 2632), (474, 2674), (489, 2719), (499, 2743), (506, 2752), (534, 2809), (546, 2851), (553, 2869), (554, 2872), (601, 3028), (634, 3118), (641, 3154), (662, 3205), (673, 3229),

Gene: Zucker_4 Start: 2313, Stop: 3752, Start Num: 80

Candidate Starts for Zucker_4:

(Start: 80 @2313 has 8 MA's), (92, 2328), (129, 2373), (146, 2412), (149, 2427), (175, 2478), (184, 2496), (190, 2520), (215, 2580), (236, 2637), (244, 2667), (314, 2802), (322, 2820), (371, 2859), (450, 2985), (454, 3000), (458, 3015), (474, 3066), (494, 3123), (546, 3243), (554, 3264), (555, 3267), (562, 3291), (581, 3363), (589, 3384), (594, 3399), (596, 3408), (601, 3426), (605, 3435), (612, 3462), (621, 3483), (630, 3498), (640, 3543), (656, 3582), (659, 3588), (665, 3603), (678, 3627), (726, 3708),

Gene: Zulu_16 Start: 9264, Stop: 10730, Start Num: 74

Candidate Starts for Zulu_16:

(Start: 74 @9264 has 530 MA's), (97, 9285), (129, 9324), (167, 9411), (171, 9423), (174, 9429), (288, 9711), (315, 9765), (434, 9924), (452, 9975), (459, 10002), (461, 10008), (467, 10029), (518, 10131), (561, 10242), (608, 10395), (612, 10410), (617, 10422), (621, 10431), (641, 10497), (649, 10518), (662, 10548), (677, 10578), (685, 10608),

Gene: phiCAM_07 Start: 4309, Stop: 5625, Start Num: 166

Candidate Starts for phiCAM_07:

(79, 4159), (83, 4165), (Start: 108 @4192 has 156 MA's), (Start: 166 @4309 has 2 MA's), (184, 4357), (187, 4369), (283, 4612), (325, 4699), (382, 4759), (398, 4777), (401, 4783), (449, 4882), (470, 4957), (477, 4975), (503, 5014), (520, 5050), (549, 5152), (601, 5314), (607, 5332), (611, 5344), (631, 5389), (661, 5479), (680, 5521),

Gene: phiHau3_9 Start: 4031, Stop: 5515, Start Num: 108

Candidate Starts for phiHau3_9:

(Start: 108 @4031 has 156 MA's), (Start: 166 @4148 has 2 MA's), (184, 4196), (316, 4523), (346, 4556), (398, 4616), (446, 4709), (449, 4721), (470, 4796), (477, 4814), (481, 4826), (483, 4832), (527, 4958), (547, 5030), (549, 5036), (577, 5123), (600, 5195), (628, 5258), (631, 5273), (661, 5363), (680, 5405), (736, 5477),

Gene: phiSASD1_23 Start: 2181, Stop: 3668, Start Num: 107

Candidate Starts for phiSASD1_23:

(Start: 107 @2181 has 1 MA's), (136, 2232), (137, 2235), (143, 2250), (193, 2385), (197, 2400), (200, 2409), (208, 2424), (230, 2463), (236, 2490), (241, 2508), (260, 2571), (275, 2601), (424, 2844), (425, 2847), (429, 2853), (449, 2904), (452, 2913), (482, 3012), (506, 3063), (518, 3090), (549, 3168), (552, 3174), (571, 3228), (674, 3528), (677, 3534), (685, 3564), (702, 3585), (730, 3627),