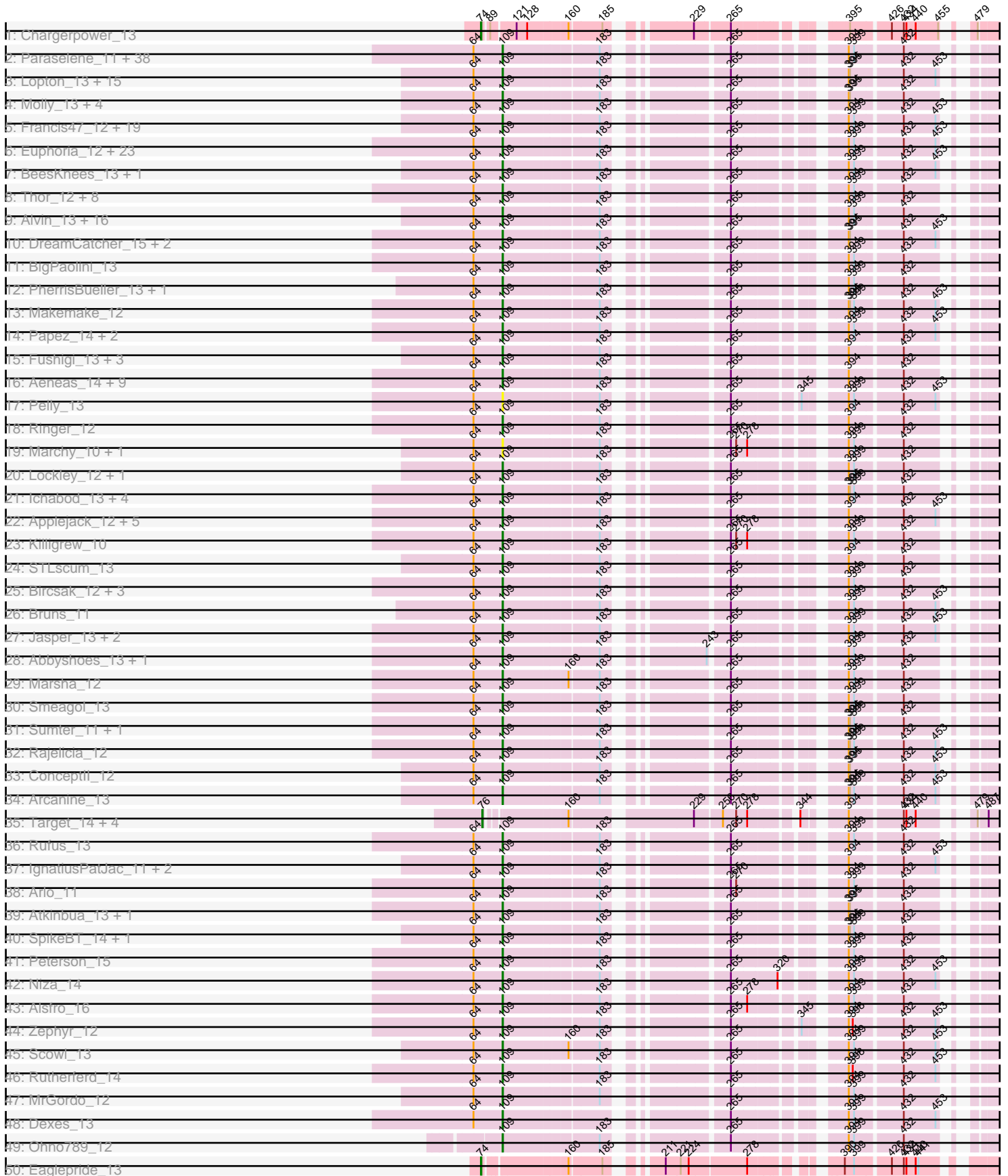
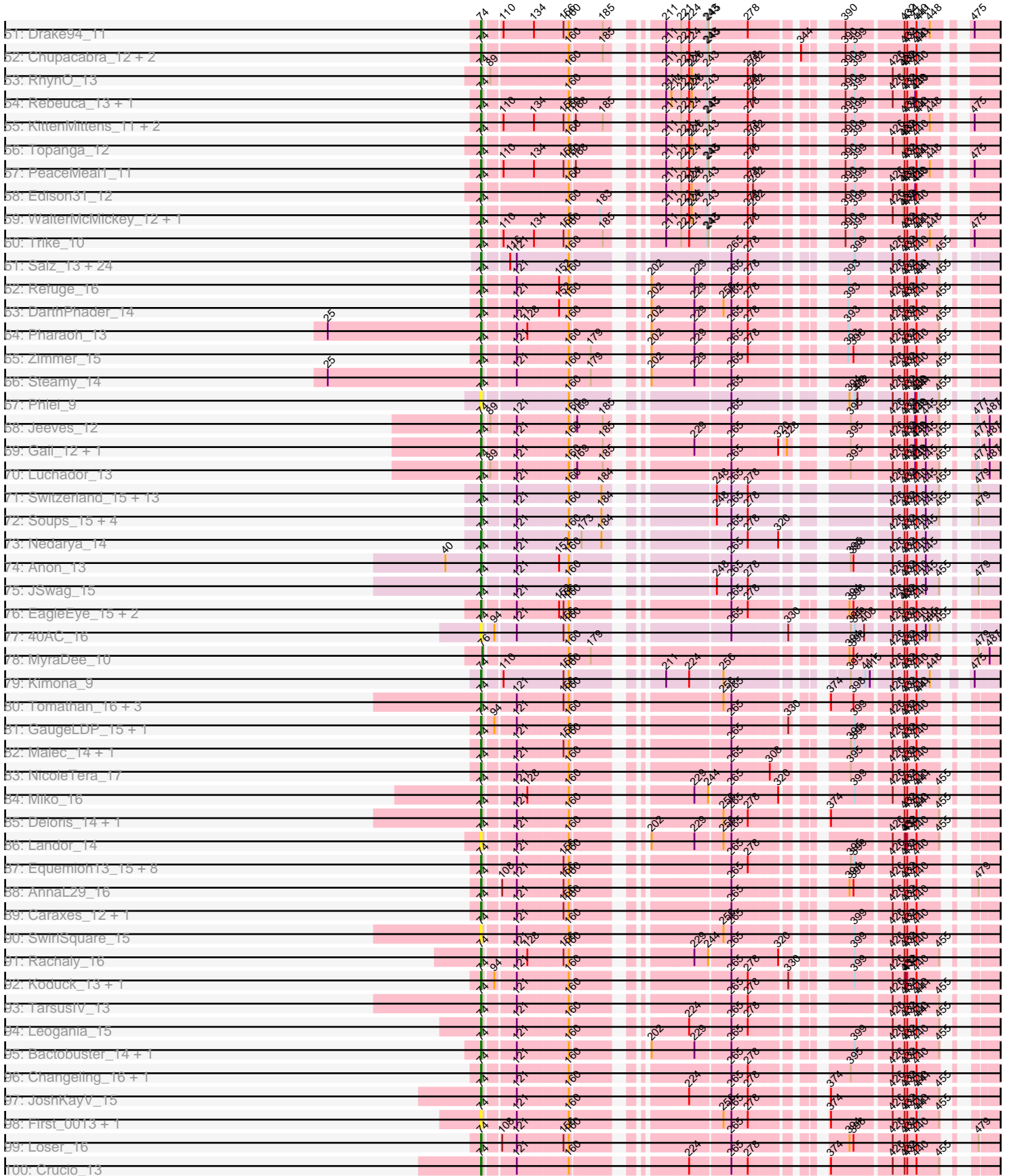


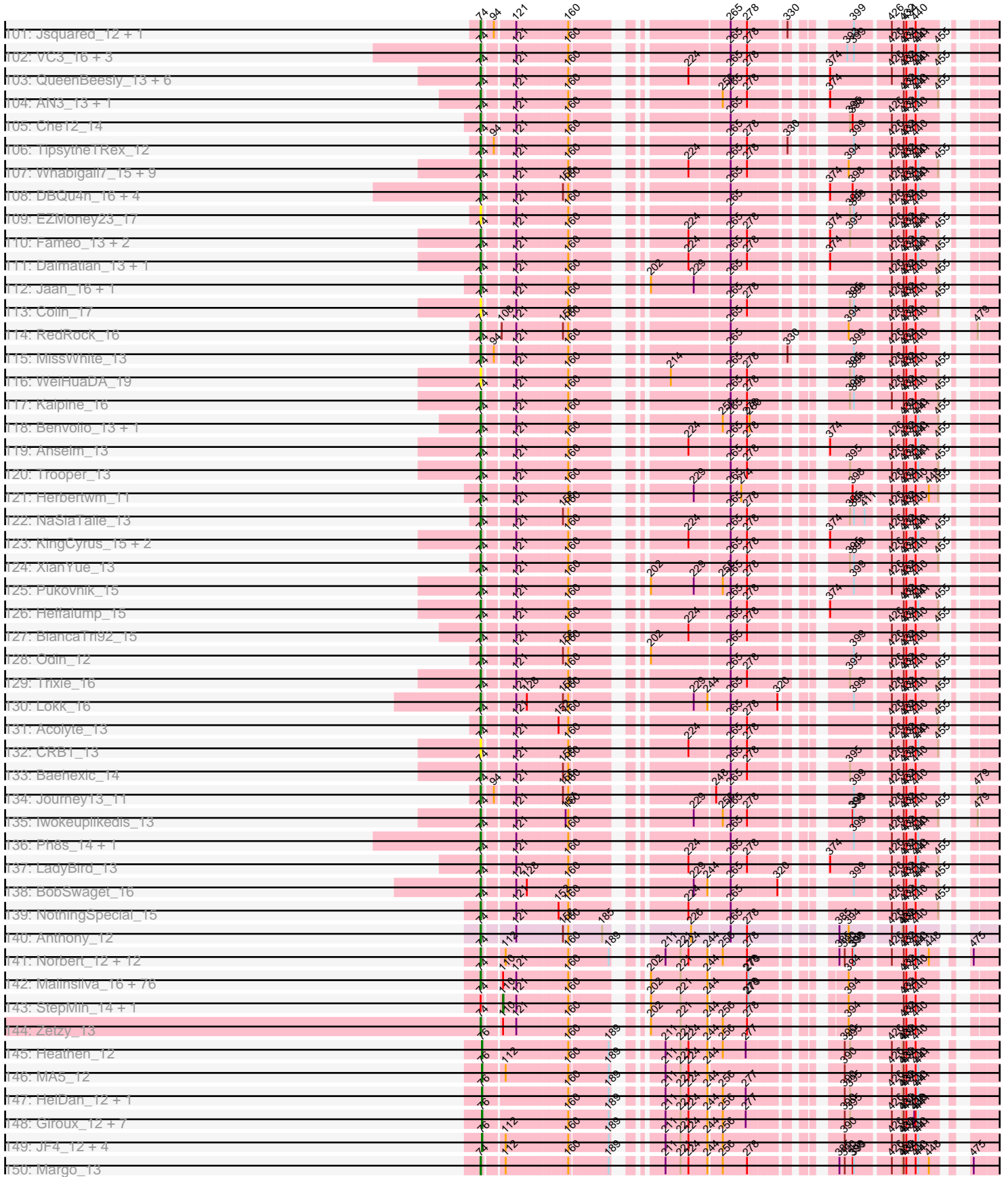
Zoomed Pham 169541



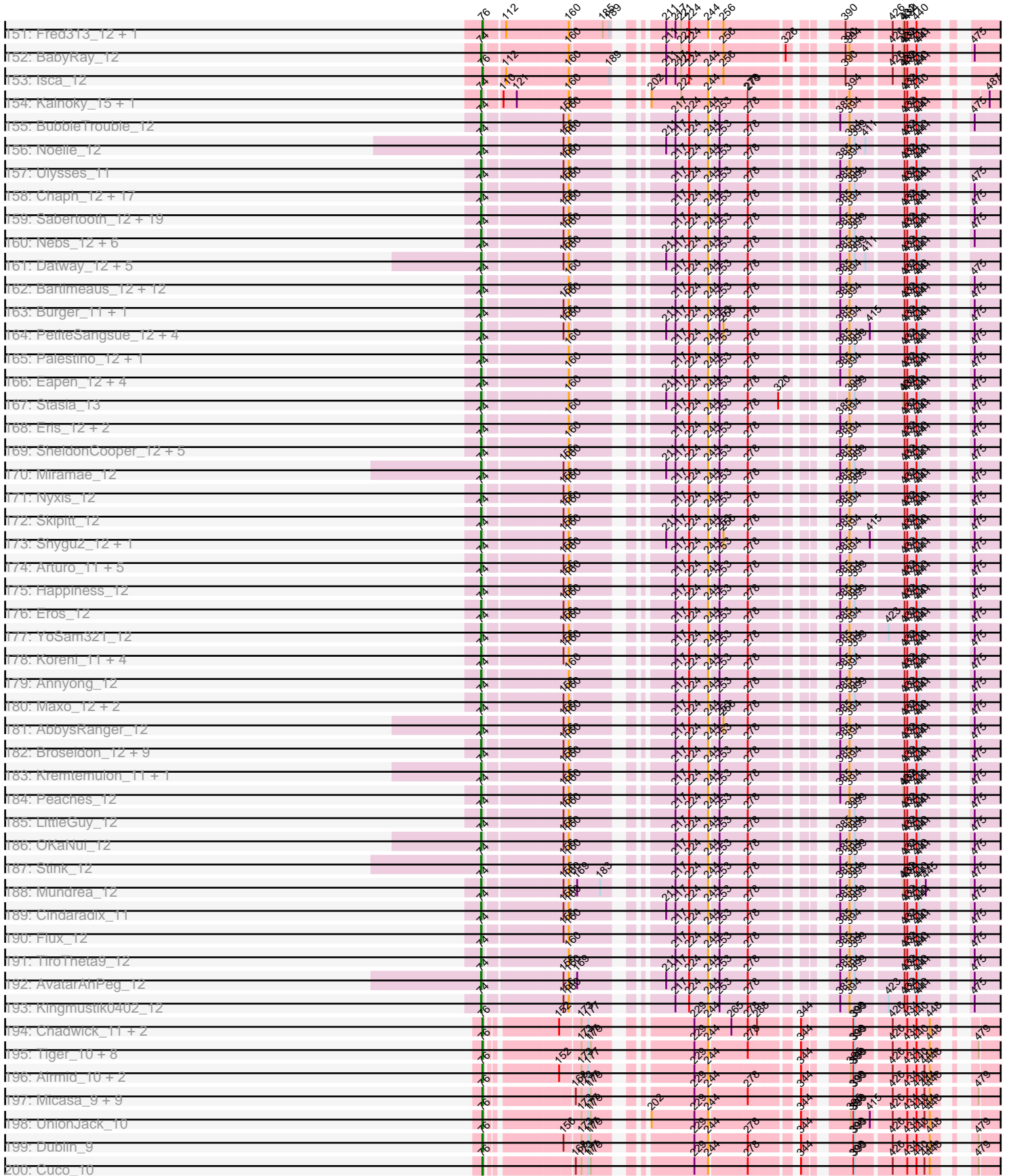
Zoomed Pham 169541



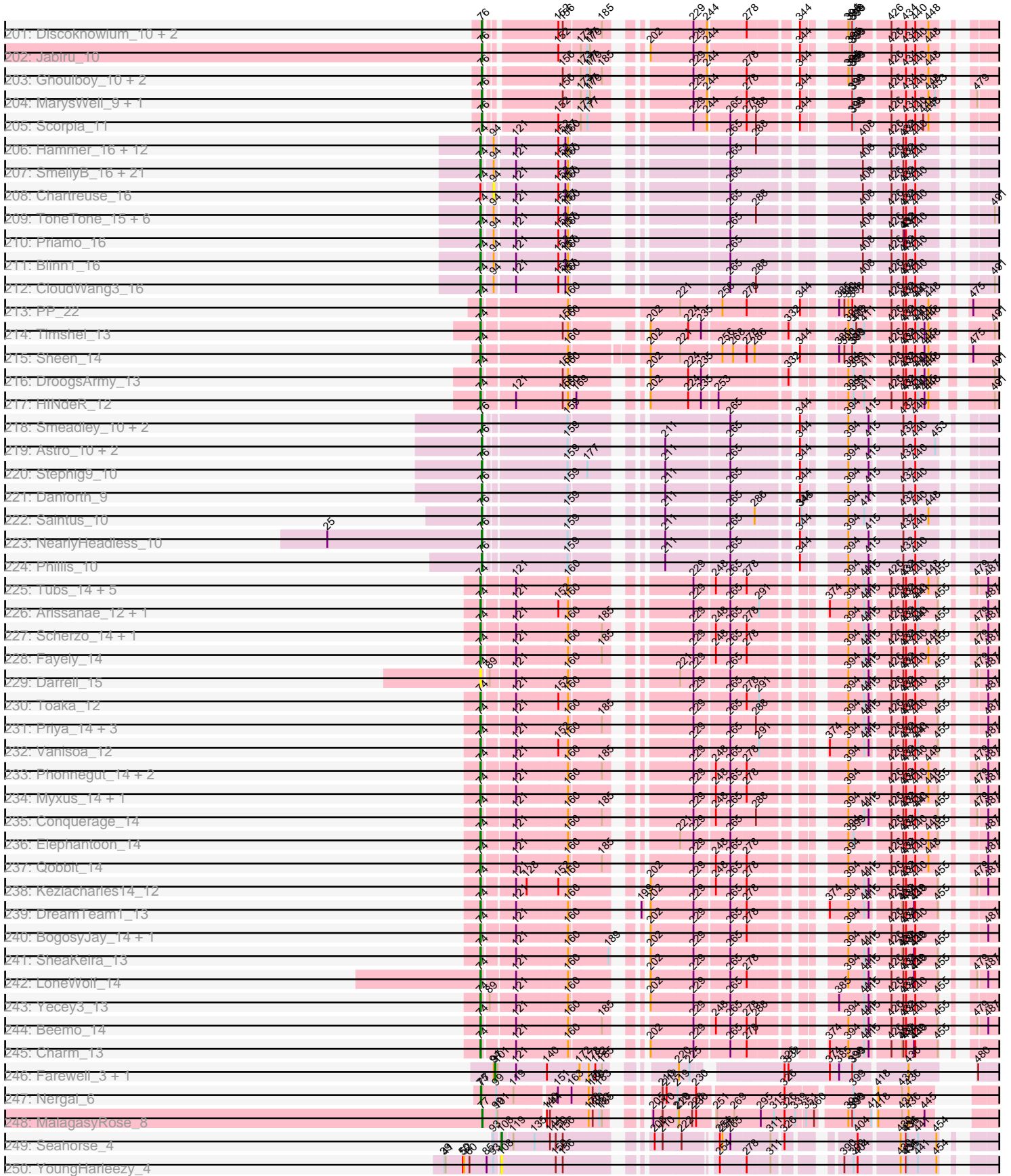
Zoomed Pham 169541



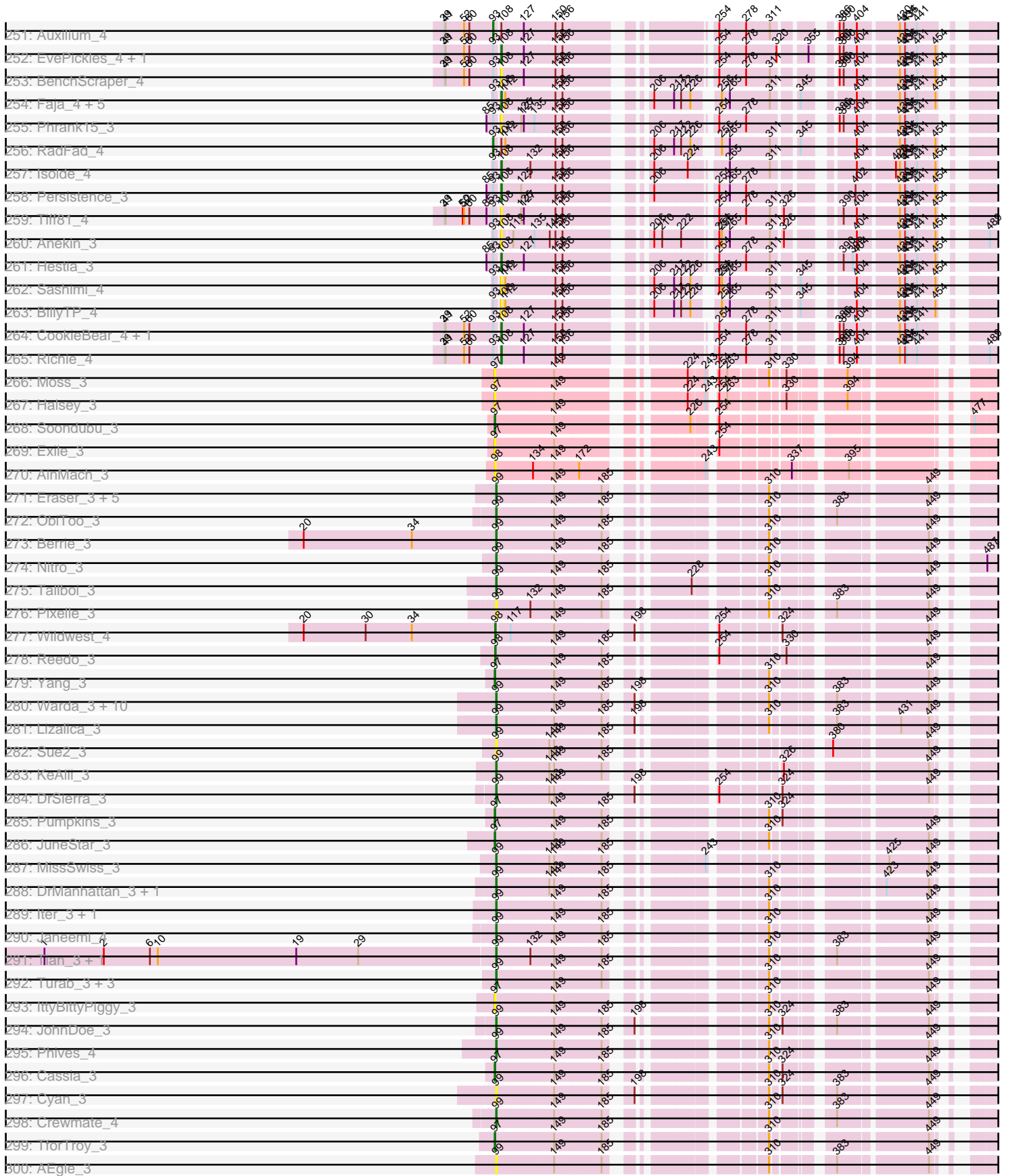
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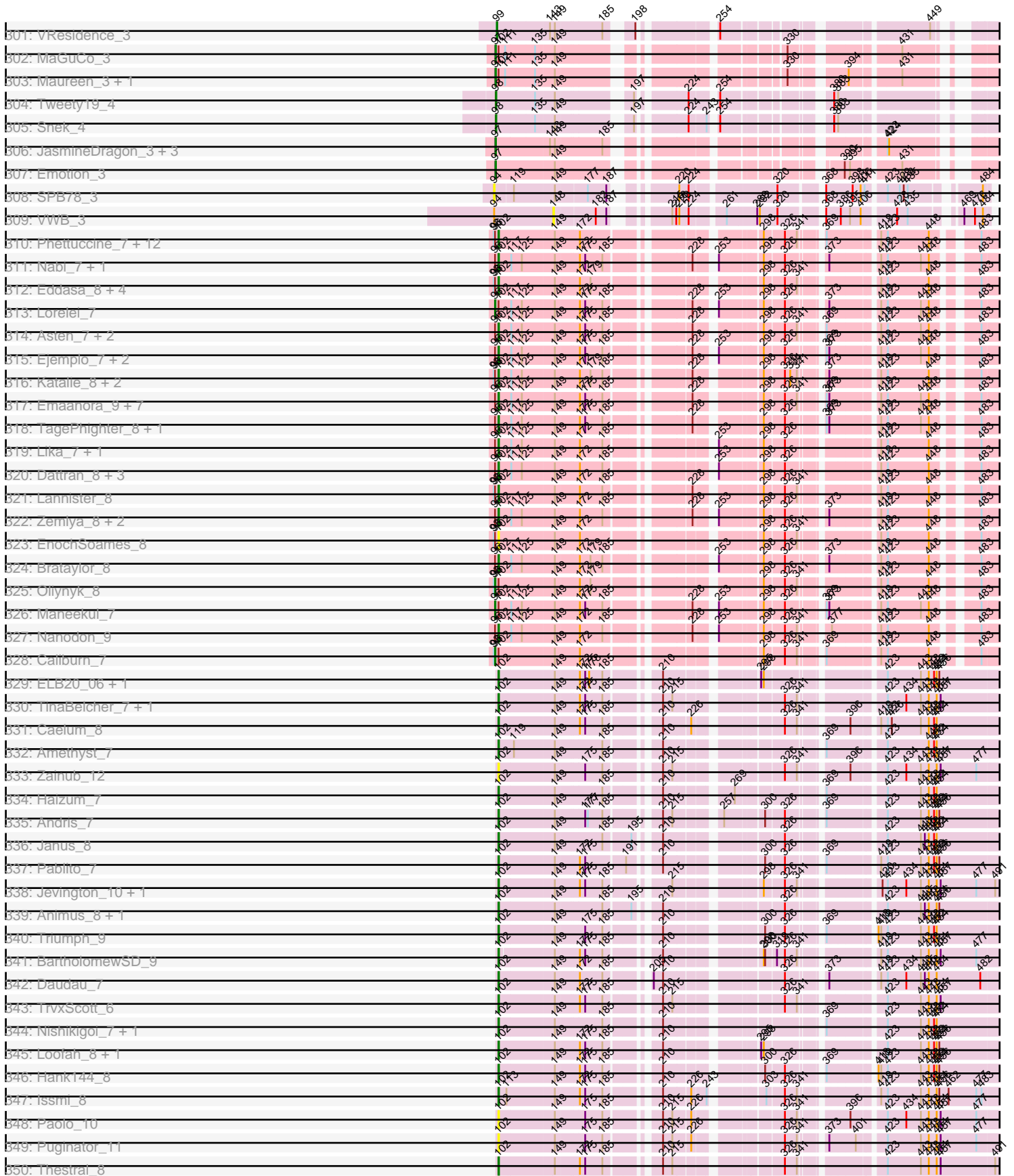
Zoomed Pham 169541



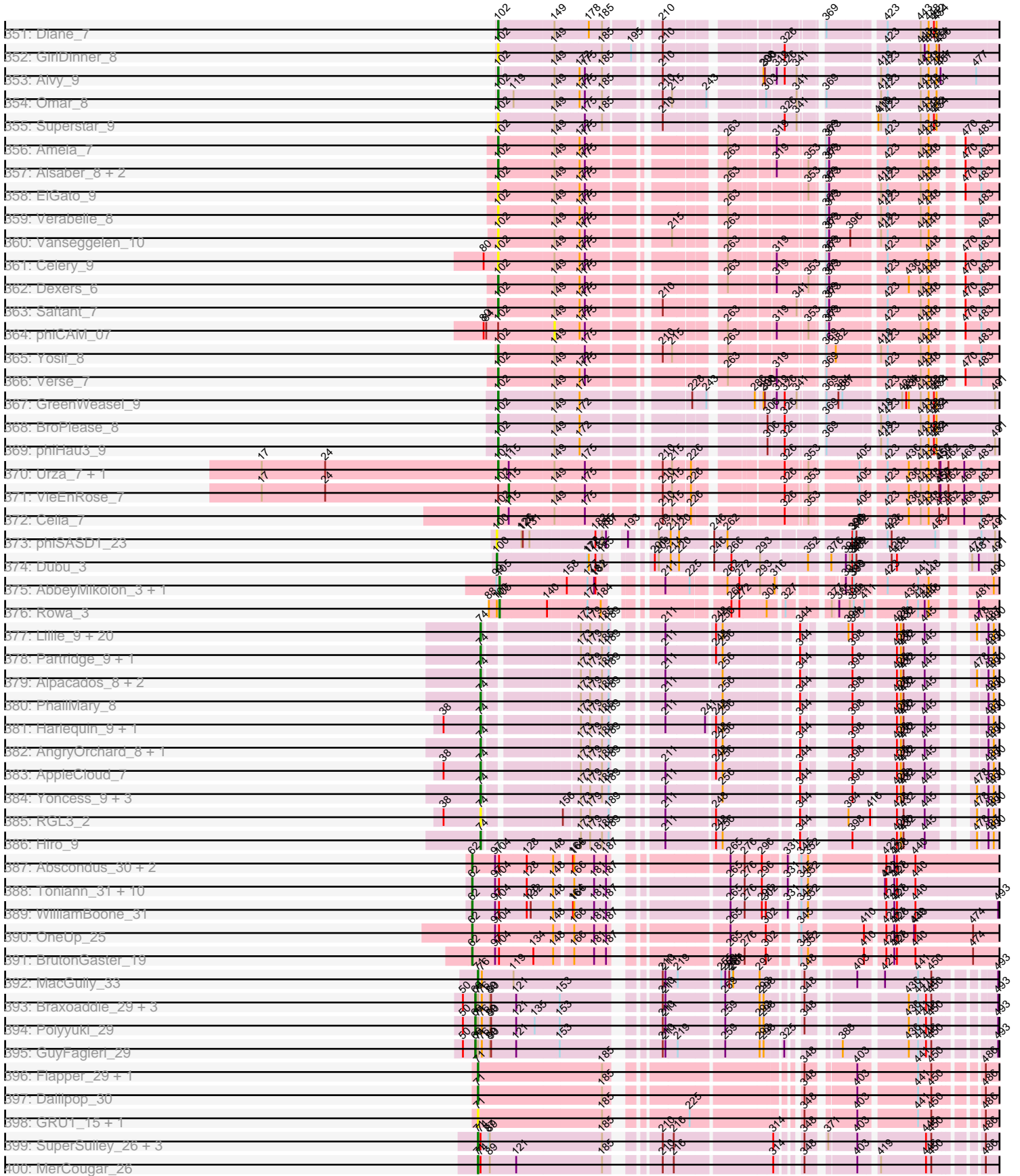
Zoomed Pham 169541



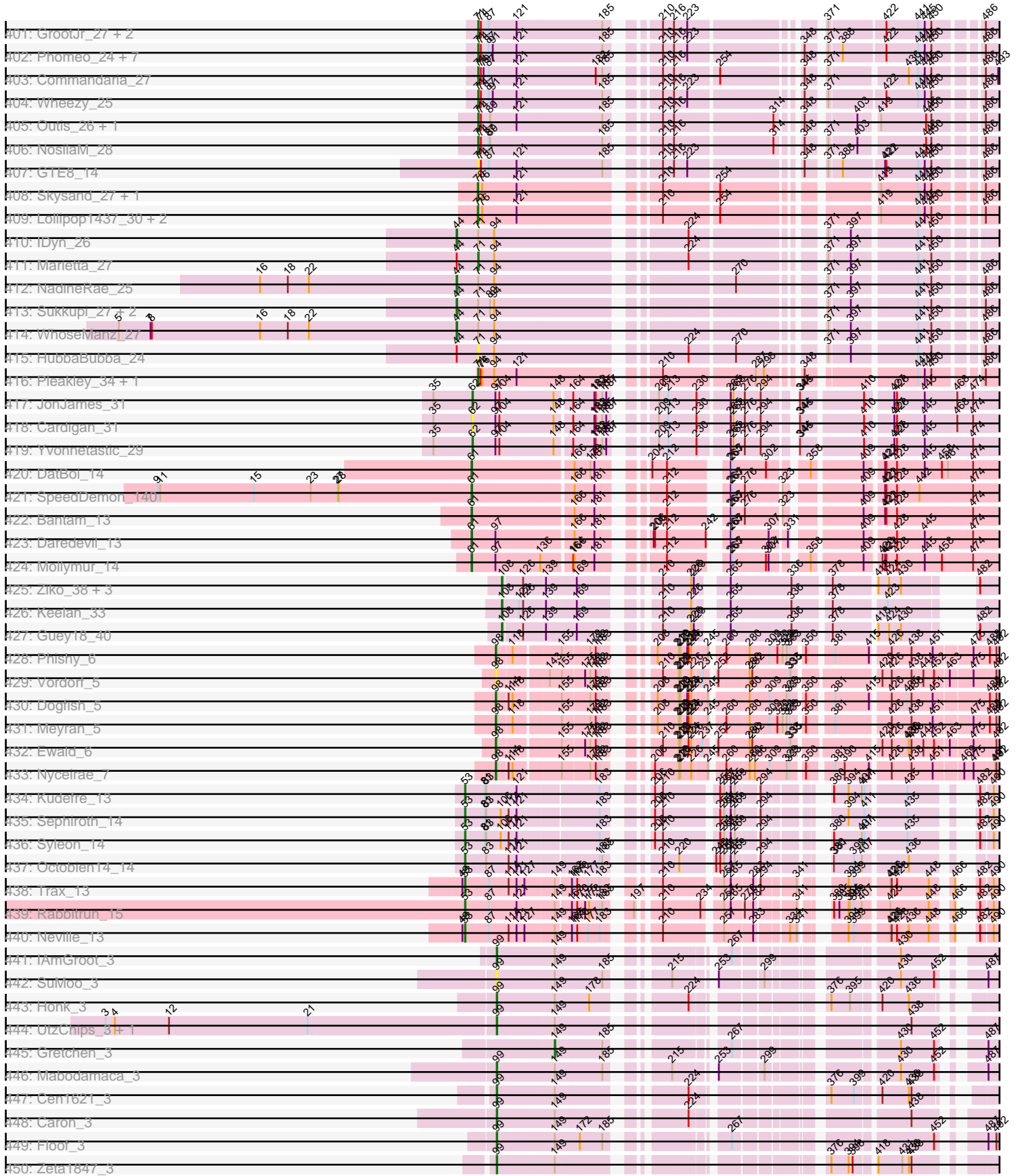
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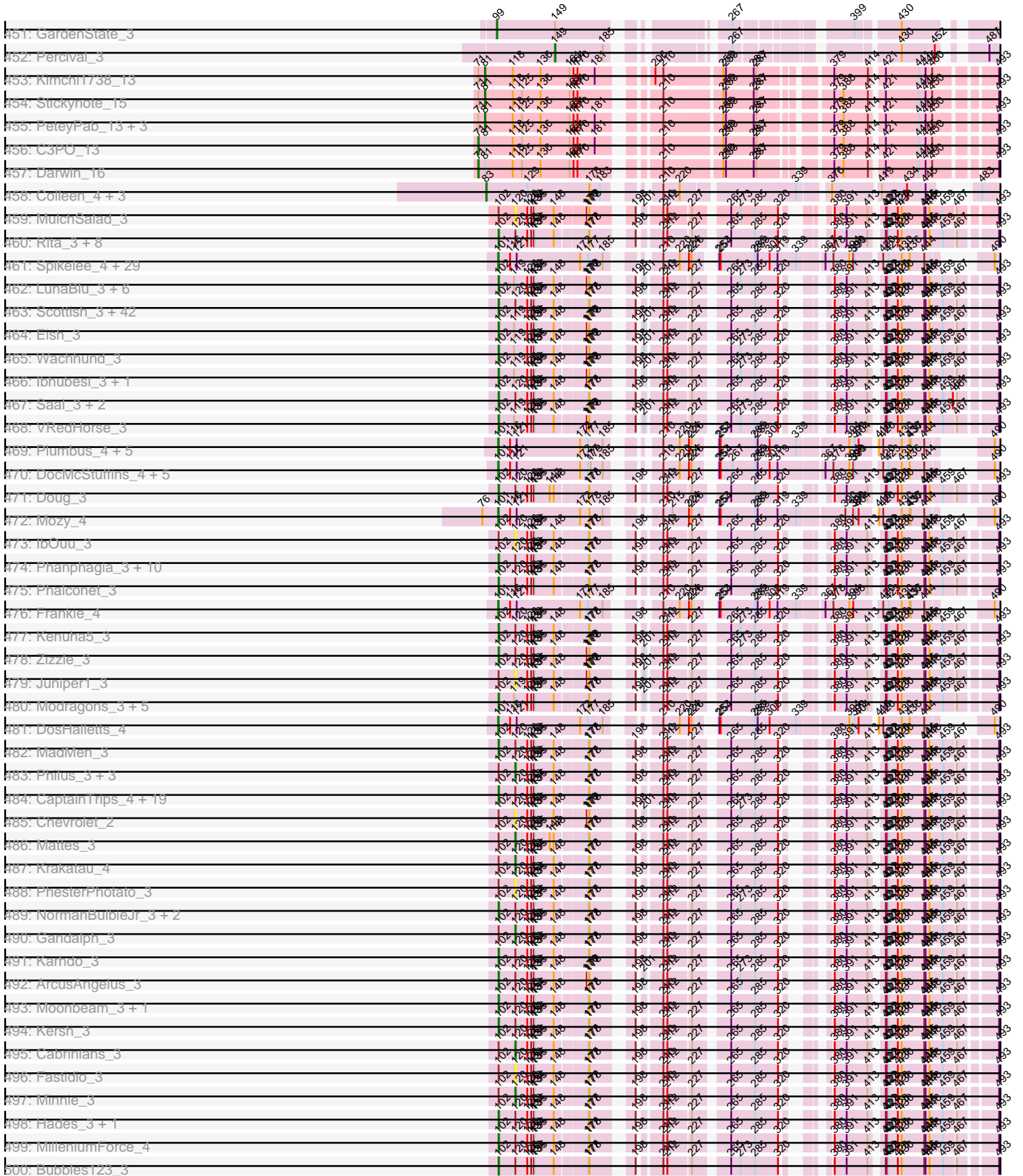
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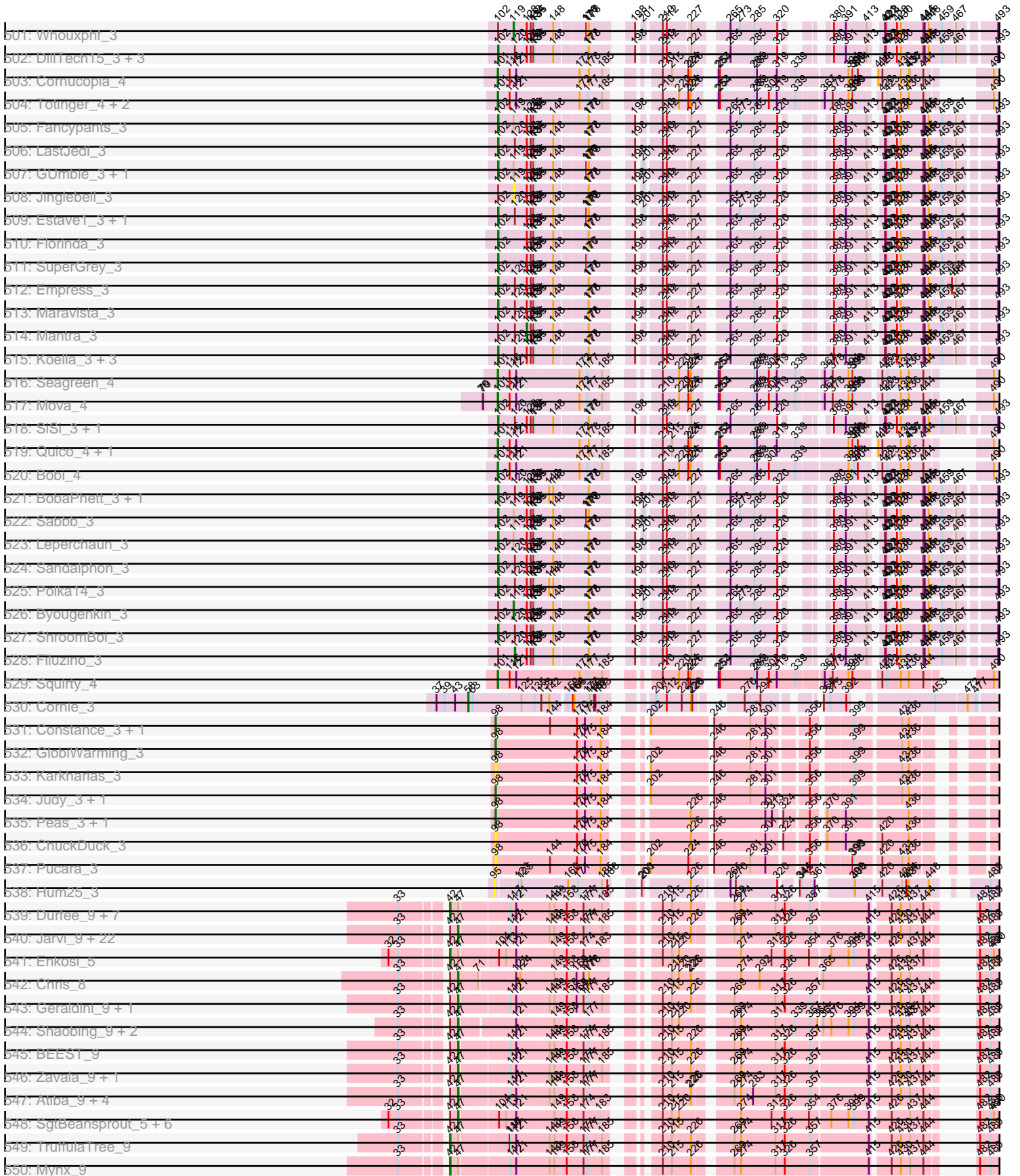
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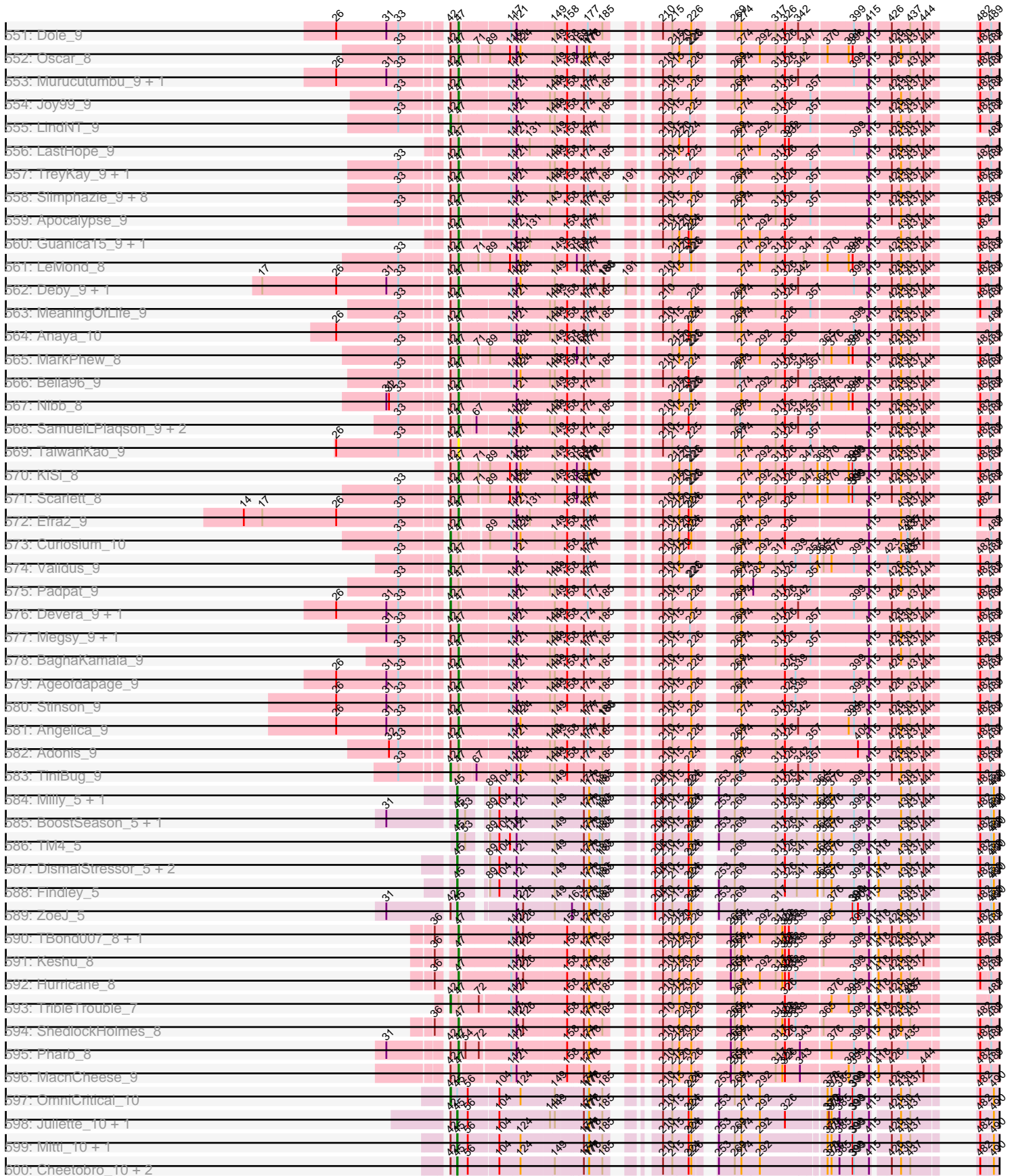
Zoomed Pham 169541



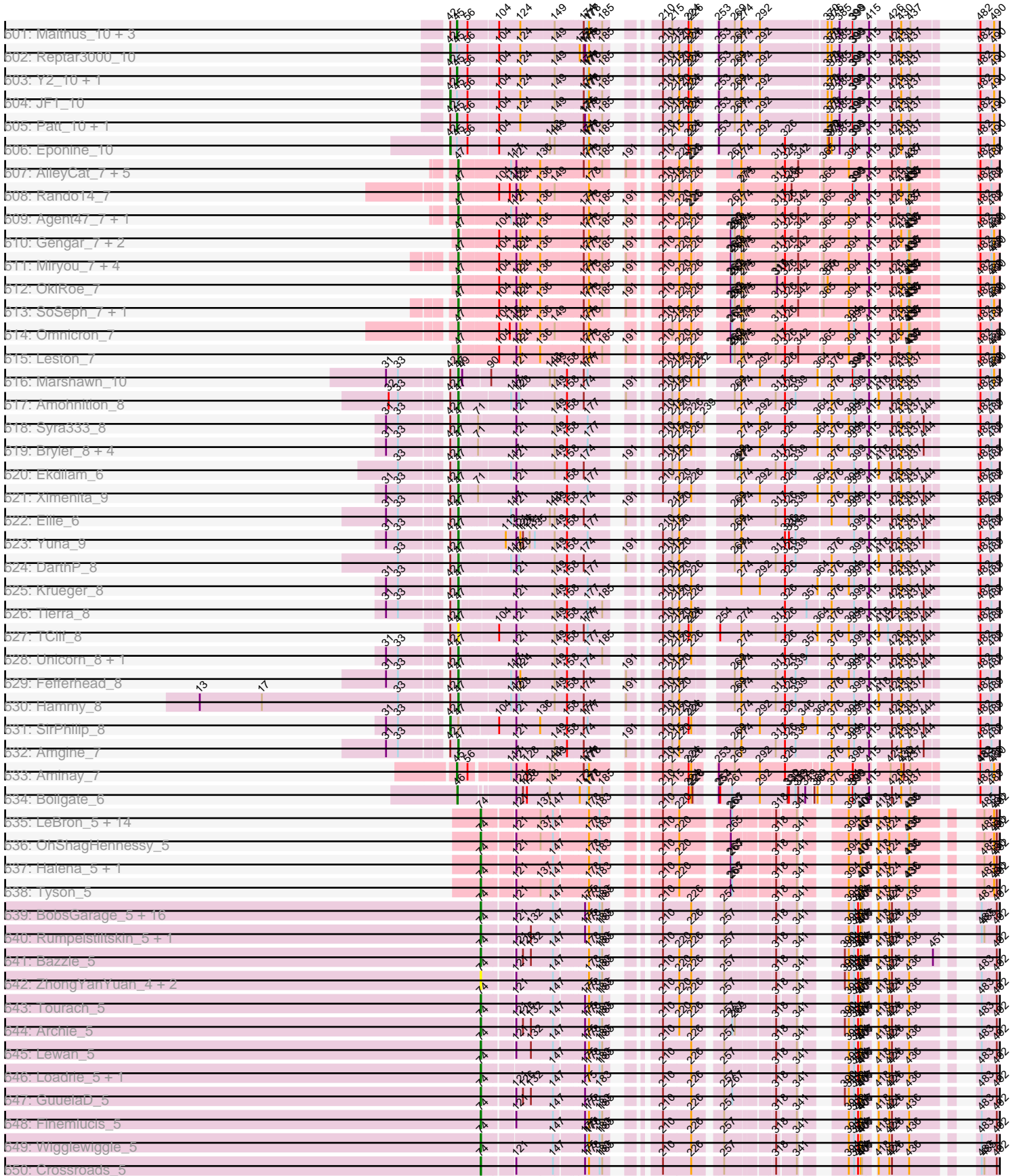
Zoomed Pham 169541



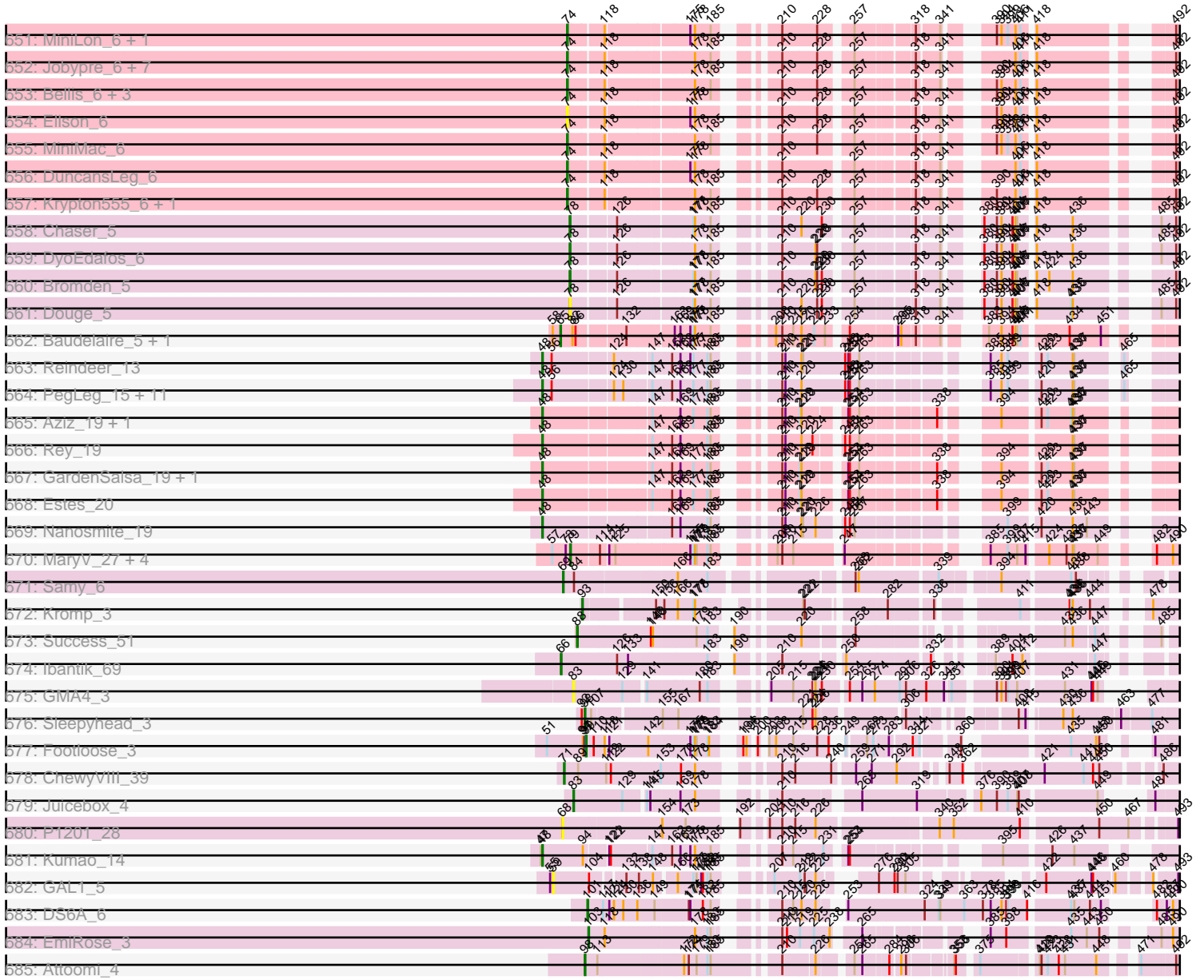
Zoomed Pham 169541



Zoomed Pham 169541



Zoomed Pham 169541



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 169541 Report

This analysis was run 07/09/24 on database version 566.

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 169541 has 1702 members, 143 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_13
- Track 2 : Paraselene_11, Dynamix_13, Petruccio_12, Eyeball_12, McGuire_13, Homines_12, QTRlifeCrisis_12, Fenn_13, Topgun_12, StrongArm_11, Naira_13, Maroc7_11, JackSparrow_13, Rubeus_13, Parliament_11, A6_10, MaryBeth_12, Beatrix_11, Froghopper_13, Edtherson_13, BK1_10, Chanagan_11, Treddle_14, Sanya_11, Traft412_14, Bexan_11, Lamina13_12, Wheeler_12, MetalQZJ_12, Corvo_12, Zeuska_13, Adahisdi_13, Tasp14_13, Paphu_11, Espresso_12, Licorice_14, Trouble_12, Oogway_11, Marcell_12
- Track 3 : Lopton_13, Acme_14, BigMau_14, Jerm2_13, Rohr_13, BaconJack_14, Museum_14, PascalRango_11, PattyP_14, MPlant7149_11, Petp2012_14, Sibs6_14, Burton_13, BPBiobs31_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, Buttons_13, Abrogate_130, Anglerfish_13, Moose_11, Turj99_11, Forsytheast_11, Hami1_14, Snazzy_10, Bones_12, Swole_14, SwissCheese_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, Rhynn_12, Manatee_13, Cueylyss_12, Mryolo_11, PSullivan_14, Solon_12, Blue_12, Lesedi_11, Teodoridan_10, Zeeculate_11, Nhonho_12
- Track 7 : BeesKnees_13, Bethlehem_12
- Track 8 : Thor_12, Pepe_13, TwoPeat_13, SarFire_12, Kenmech_15, NEHalo_12, Violet_11, Pari_13, SkiPole_14
- Track 9 : Alvin_13, Doom_12, CactusRose_11, Gwendoluna_14, Hermia_14, Watermelon_14, AFIS_12, HarryOW_13, GrecoEtereo_13, Fascinus_11, Bigfoot_11, Sorpresa_11, Sandaddy_11, Michley_12, Ruotula_11, ShortQueendom_11, Norz_14
- Track 10 : DreamCatcher_15, HermioneGrange_13, Kanely_13
- Track 11 : BigPaolini_13
- Track 12 : PherrisBueller_13, Jorgensen_12
- Track 13 : Makemake_12
- Track 14 : Papez_14, HanShotFirst_12, Seabiscuit_14
- Track 15 : Fushigi_13, Smairt_13, KBG_13, KyMonks1A_14

- Track 16 : Aeneas_14, Mule_12, Fajezeel_14, Marge_13, Magnar_12, PhrostyMug_12, Gyzlar_14, PinkPlastic_11, Seanderson_13, Greg_14
- Track 17 : Pelly_13
- Track 18 : Ringer_12
- Track 19 : Marchy_10, Payneful_11
- Track 20 : Lockley_12, DD5_13
- Track 21 : Ichabod_13, Squee_13, Altman_13, Ciao_12, KSSJEB_12
- Track 22 : Applejack_12, Nerujay_13, DrFeelGood_11, Sunshine924_11, JC27_14, lLeeKay_14
- Track 23 : Killigrew_10
- Track 24 : STLscum_13
- Track 25 : Bircsak_12, Briton15_14, Gompeii16_12, LilBib_13
- Track 26 : Bruns_11
- Track 27 : Jasper_13, Carlyle_14, Dreamboat_13
- Track 28 : Abbyshoes_13, Dussy_13
- Track 29 : Marsha_12
- Track 30 : Smeagol_13
- Track 31 : Sumter_11, Tripl3t_13
- Track 32 : Rajelicia_12
- Track 33 : Conceptll_12
- Track 34 : Arcanine_13
- Track 35 : Target_14, BillKnuckles_13, Bxb1_11, Kugel_13, Kykar_10
- Track 36 : Rufus_13
- Track 37 : IgnatiusPatJac_11, Barriga_12, BluSpix_12
- 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 : Alsfro_16
- Track 44 : Zephyr_12
- Track 45 : Scowl_13
- Track 46 : Rutherferd_14
- Track 47 : MrGordo_12
- Track 48 : Dexes_13
- Track 49 : Ohno789_12
- Track 50 : Eaglepride_13
- Track 51 : Drake94_11
- Track 52 : Chupacabra_12, Goose_12, OKCentral2016_12
- Track 53 : RhynO_13
- Track 54 : Rebeuca_13, Kristoff_13
- Track 55 : KittenMittens_11, Severus_11, Poompha_11
- Track 56 : Topanga_12
- Track 57 : PeaceMeal1_11
- Track 58 : Edison31_12
- Track 59 : WalterMcMickey_12, Twister_12
- Track 60 : Trike_10
- Track 61 : Salz_13, Et2Brutus_12, Bachome_13, Timothy_13, Petersenfast_12, Gilberta_13, Bud_13, Mabel_13, Snape_13, Munch_13, Lucivia_13, MaCh_13, Orange_13, Jabith_13, Flaverint_13, Bowtie_13, Sham4_13, Joselito_13, Insomnia_13, Mulciber_13, TinyTimmy_12, Fibonacci_13, Ebony_13, Aneem_13, Hutc2_13
- Track 62 : Refuge_16

- Track 63 : DarthPhader_14
- Track 64 : Pharaoh_13
- Track 65 : Zimmer_15
- Track 66 : Steamy_14
- Track 67 : Phlei_9
- Track 68 : Jeeves_12
- Track 69 : Gail_12, SororFago_12
- Track 70 : Luchador_13
- Track 71 : 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 72 : Soups_15, Anaysia_15, BooHoo_15, Rosalind_15, Oofda_16
- Track 73 : Nedarya_14
- Track 74 : Anon_13
- Track 75 : JSwag_15
- Track 76 : EagleEye_15, Lucyedi_14, PainterBoy_14
- Track 77 : 40AC_16
- Track 78 : MyraDee_10
- Track 79 : Kimona_9
- Track 80 : Tomathan_16, D32_16, Naji_16, D29_14
- Track 81 : GaugeLDP_15, BabyBack_15
- Track 82 : Malec_14, Larenn_14
- Track 83 : NicoleTera_17
- Track 84 : Miko_16
- Track 85 : Deloris_14, BengiVuitton_14
- Track 86 : Landor_14
- Track 87 : Equemioh13_15, Drake55_15, WideWale_15, Piro94_14, Flare16_13, Centaur_15, HarryHoudini_15, Updawg_15, MiculUcigas_13
- Track 88 : AnnaL29_16
- Track 89 : Caraxes_12, Superchunk_12
- Track 90 : SwirlSquare_15
- Track 91 : Rachaly_16
- Track 92 : Koduck_13, L5_14
- Track 93 : TarsusIV_13
- Track 94 : Leogania_15
- Track 95 : Bactobuster_14, IronMan_15
- Track 96 : Changeling_16, ArcherNM_15
- Track 97 : JoshKayV_15
- Track 98 : First_0013, 20ES_13
- Track 99 : Loser_16
- Track 100 : Crucio_13
- Track 101 : Jsquared_12, Serenity_12
- Track 102 : VC3_16, ANI8_16, AN9_16, C3_11
- Track 103 : QueenBeesly_13, Retro23_13, Georgie2_14, SweetiePie_13, Power_13, SnapTap_13, FiringLine_13
- Track 104 : AN3_13, VA6_13
- Track 105 : Che12_14
- Track 106 : TipsytheTRex_12
- Track 107 : Whabigail7_15, LilTurb_15, Jerm_15, Buggy_15, Smeagan_15, Leviathan_15, Turbido_15, Dignity_15, AbbyPaige_15, Agape74_15
- Track 108 : DBQu4n_16, StarStuff_16, Kerberos_16, Duplo_16, Pomar16_16
- Track 109 : EZMoney23_17
- Track 110 : Fameo_13, QueenB2_13, DudeLittle_13

- Track 111 : Dalmatian_13, SemperFi_15
- Track 112 : Jaan_16, Phaded_16
- Track 113 : Colin_17
- Track 114 : RedRock_16
- Track 115 : MissWhite_13
- Track 116 : WeiHuaDA_19
- Track 117 : Kalpine_16
- Track 118 : Benvolio_13, Echild_13
- Track 119 : Anselm_13
- Track 120 : Trooper_13
- Track 121 : Herbertwm_11
- Track 122 : NaSiaTalie_13
- Track 123 : KingCyrus_15, EvilGenius_15, ChipMunk_15
- Track 124 : XianYue_13
- Track 125 : Pukovnik_15
- Track 126 : Heffalump_15
- Track 127 : BiancaTri92_15
- Track 128 : Odin_12
- Track 129 : Trixie_16
- Track 130 : Lokk_16
- Track 131 : Acolyte_13
- Track 132 : CRB1_13
- Track 133 : Baehexic_14
- Track 134 : Journey13_11
- Track 135 : Iwokeuplikedis_13
- Track 136 : Ph8s_14, Adzzy_14
- Track 137 : LadyBird_13
- Track 138 : BobSwaget_16
- Track 139 : NothingSpecial_15
- Track 140 : Anthony_12
- Track 141 : Norbert_12, Noella_13, Texage_12, Caviar_13, Popcicle_13, Veracruz_12, ResDef_13, Pocahontas_13, Todacoro_13, Lambert1_13, Panamaxus_13, Hookmount_13, QuinnKiro_12
- Track 142 : Malinsilva_16, Heliosoles_14, SoYo_14, Stagni_14, Grub_14, HaveUMetTed_15, KADY_15, Marie_14, Misomonster_16, PGHhamlin_16, Dieselweasel_14, MuchMore_16, Daishi_13, Tiffany_14, Phoebe_14, Taurus_14, LBerry_14, Groupthink_15, Phranny_15, ACFishhook_14, MarQuardt_14, Jobu08_14, Sabia_14, Rummer_14, LugYA_16, LarryKay_14, Louie6_14, Spike509_14, DaHudson_14, P28Green_14, HashRod_15, OlanP_14, Colbster_14, Kalb97_15, Grum1_14, Grif_14, Beauxregard13_14, JeppNRM_15, Pembroke_14, Fernando_14, GingkoMaracino_14, JenCasNa_14, Wooldri_16, Hercules11_14, MoneyMay_14, Bxz2_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, Pawn_15, Snickers_14, Anubis_16, Manu_15, SoilDragon_14, MadMarie_14, Methuselah_14, PhishRPhriends_13, BreSam8_14, Reba_15, Soshari_16, Mainiac_14, Cullens_14, AugsMagnumOpus_16
- Track 143 : StepMih_14, Sabinator_14
- Track 144 : Zetzy_13
- Track 145 : Heathen_12
- Track 146 : MA5_12
- Track 147 : HelDan_12, Phantastic_12

- Track 148 : Giroux_12, Idleandcovert_12, TNguyen7_12, SaturnRing_12, Puppy_13, Bugatti_12, Pistachio_13, BlueBird_13
- Track 149 : JF4_12, Rockstar_12, JF2_12, B1_10, MK4_12
- Track 150 : Margo_13
- Track 151 : Fred313_12, Scout_12
- Track 152 : BabyRay_12
- Track 153 : Isca_12
- Track 154 : Kalnoky_15, Marius_15
- Track 155 : BubbleTrouble_12
- Track 156 : Noelle_12
- Track 157 : Ulysses_11
- Track 158 : Chaph_12, Thanksgivukkah_12, Cocoaberry_12, Maverick_12, Deano_12, PeterPeter_12, Nemo27_12, Phacado_12, Gadost_12, NotAPhaseMom_12, Millski_12, Wander_12, Taquarus_12, Iceman_12, Bruiser_12, Houdini22_12, Mazhar510_12, Caelakin_12
- Track 159 : Sabertooth_12, MeeZee_12, Alberto7_13, TygerBlood_12, Wilbur_12, Baby16_12, Romney_12, NorthStar_12, Florean_12, Dhanush_12, Sparxx_12, Ruin_12, Tinybot_11, ICleared_12, KFPoly_12, Phelipe_12, Jaykayelowell_12, Albee_12, Holli_12, Lemur_12
- Track 160 : Nebs_12, Polymorphads_12, Ohfah_12, Eurydice_12, LeoAvram_12, Morrow_12, Bombshell_12
- Track 161 : Datway_12, Wile_12, Xena_12, Backyardigan_12, Badger_12, Achebe_12
- Track 162 : Bartimeaus_12, JoongJeon_12, LappelDuVide_11, Scamp_12, JetBlade_12, Clarenza_12, Citius_12, Druantia_12, Roosevelt_12, Wizard007_12, Blackmoor_12, CentreCat_12, Avle17_12
- Track 163 : Burger_11, Lorenzo_12
- Track 164 : PetiteSangsue_12, Katalie136_12, Perplexer_12, Bumblebee11_12, Morpher26_12
- Track 165 : Palestino_12, Connomayer_12
- Track 166 : Eapen_12, Kratak_12, Phighter1804_12, DirtyDunning_12, Iracema64_12
- Track 167 : Stasia_13
- Track 168 : Eris_12, BellusTerra_12, Funston_12
- Track 169 : SheldonCooper_12, BangNhom_11, Obama12_12, Cerulean_12, ChampagnePapi_12, LHTSCC_12
- Track 170 : Miramae_12
- Track 171 : Nyxis_12
- Track 172 : Skipitt_12
- Track 173 : Shygu2_12, Cici_12
- Track 174 : Arturo_11, Camperdownii_11, Kyee_12, Medusa_12, Phontbonne_12, Abdiel_12
- Track 175 : Happiness_12
- Track 176 : Eros_12
- Track 177 : YoSam321_12
- Track 178 : Koreni_11, HamSlice_11, TinaFeyge_12, TroyPia_12, Commander_12
- Track 179 : Annyong_12
- Track 180 : Maxo_12, Kamy_12, LittleB_12
- Track 181 : AbbysRanger_12
- Track 182 : Broseidon_12, Spino_12, Pipcraft_12, Shaka_12, Pumbaa_12, Melvin_12, Relief_12, Eagle_11, Lunsford_13, LochMonster_12
- Track 183 : Kremtemulon_11, Cintron_12
- Track 184 : Peaches_12

- Track 185 : LittleGuy_12
- Track 186 : OKaNui_12
- Track 187 : Stink_12
- Track 188 : Mundrea_12
- Track 189 : Cindaradix_11
- Track 190 : Flux_12
- Track 191 : TiroTheta9_12
- Track 192 : AvatarAhPeg_12
- Track 193 : Kingmustik0402_12
- Track 194 : Chadwick_11, Naca_10, PetterN_11
- Track 195 : Tiger_10, Conspiracy_10, ForGetIt_10, Archetta_10, AgentM_10, Lev2_10, Jovo_10, PickleBack_10, Phlorence_10
- Track 196 : Airmid_10, ElTiger69_10, Benedict_10
- Track 197 : Micasa_9, Midas2_10, George_9, Milcery_10, HuhtaEnerson15_10, Tarynearal_9, Coog_10, Bonamassa_10, Swirley_10, LittleCherry_10
- Track 198 : UnionJack_10
- Track 199 : Dublin_9
- Track 200 : Cuco_10
- Track 201 : Discoknowium_10, Bluefalcon_9, Aragog_10
- Track 202 : Jabiru_10
- Track 203 : Ghoulboy_10, SydNat_10, Zolita_9
- Track 204 : MarysWell_9, Theia_9
- Track 205 : Scorpia_11
- Track 206 : Hammer_16, Artemis2UCLA_16, Koko_16, Blue7_16, Roksolana_16, Indra_16, Rifter_16, Hexamo_16, Tucker_16, Gladiator_16, Helmet_17, Gruunaga_16, Garak_17
- Track 207 : SmellyB_16, Dorothea_15, DaVinci_16, Kazan_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, SuperCallie99_16, GreedyLawyer_16
- Track 208 : Chartreuse_16
- Track 209 : ToneTone_15, Lilbunny_15, Wiks_16, Yokurt_16, WunderPhul_16, Zaka_16, Zulu_16
- Track 210 : Priamo_16
- Track 211 : Blinn1_16
- Track 212 : CloudWang3_16
- Track 213 : PP_22
- Track 214 : Timshel_13
- Track 215 : Sheen_14
- Track 216 : DroogsArmy_13
- Track 217 : HINdeR_12
- Track 218 : Smeadley_10, Roary_10, Dixon_10
- Track 219 : Astro_10, Expelliarmus_9, Groundhog_9
- Track 220 : Stephig9_10
- Track 221 : Danforth_9
- Track 222 : Saintus_10
- Track 223 : NearlyHeadless_10
- Track 224 : Phillis_10
- Track 225 : Tubs_14, Aliter_14, Alma_14, Catalina_14, PackMan_14, Phaeder_14
- Track 226 : Arissanae_12, Rahalelujah_12
- Track 227 : Scherzo_14, Ugenie5_11
- Track 228 : Fayely_14

- Track 229 : Darrell_15
- Track 230 : Toaka_12
- Track 231 : Priya_14, Eidsmoe_14, EmyBug_14, Spouty_13
- Track 232 : Vanisoa_12
- Track 233 : Phonnegut_14, Pioneer_14, ExplosioNervosa_14
- Track 234 : Myxus_14, HortumSL17_14
- Track 235 : Conquerage_14
- Track 236 : Elephantoan_14
- Track 237 : Qobbit_14
- Track 238 : Keziacharles14_12
- Track 239 : DreamTeam1_13
- Track 240 : BogosyJay_14, Maminiaina_14
- Track 241 : SheaKeira_13
- Track 242 : LoneWolf_14
- Track 243 : Yecey3_13
- Track 244 : Beemo_14
- Track 245 : Charm_13
- Track 246 : Farewell_3, Sparky_3
- Track 247 : Nergal_6
- Track 248 : MalagasyRose_8
- Track 249 : Seahorse_4
- Track 250 : YoungHarleezy_4
- Track 251 : Auxilium_4
- Track 252 : EvePickles_4, Globfish_4
- Track 253 : BenchScraper_4
- Track 254 : Faja_4, Gorpy_4, Aikyam_4, MidnightRain_4, Hillester_4, Sakai_4
- Track 255 : Phrank15_3
- Track 256 : RadFad_4
- Track 257 : Isolde_4
- Track 258 : Persistence_3
- Track 259 : Tiff81_4
- Track 260 : Anekin_3
- Track 261 : Hestia_3
- Track 262 : Sashimi_4
- Track 263 : BillyTP_4
- Track 264 : CookieBear_4, Raphaella_4
- Track 265 : Richie_4
- Track 266 : Moss_3
- Track 267 : Halsey_3
- Track 268 : Soondubu_3
- Track 269 : Exile_3
- Track 270 : AinMach_3
- Track 271 : Eraser_3, Elezi_3, Niobe_3, Asa16_3, London_3, Jstan_3
- Track 272 : ObiToo_3
- Track 273 : Berrie_3
- Track 274 : Nitro_3
- Track 275 : Tallboi_3
- Track 276 : Pixelle_3
- Track 277 : Wildwest_4
- Track 278 : Reedo_3
- Track 279 : Yang_3
- Track 280 : Warda_3, Kaylissa_3, Tutumahutu_3, Powerpuff_3, AGrandiflora_3, Joemato_3, YesChef_3, Tbone_3, Mudpuppy_3, Lego_3, Simpson_3

- Track 281 : Lizalica_3
- Track 282 : Sue2_3
- Track 283 : KeAlii_3
- Track 284 : DrSierra_3
- Track 285 : Pumpkins_3
- Track 286 : JuneStar_3
- Track 287 : MissSwiss_3
- Track 288 : DrManhattan_3, Adolin_3
- Track 289 : Iter_3, Ascela_3
- Track 290 : Janeemi_4
- Track 291 : Tian_3, Amyev_3
- Track 292 : Turab_3, Tuck_4, Adumb2043_3, Community_4
- Track 293 : IttyBittyPiggy_3
- Track 294 : JohnDoe_3
- Track 295 : Phives_4
- Track 296 : Cassia_3
- Track 297 : Cyan_3
- Track 298 : Crewmate_4
- Track 299 : TforTroy_3
- Track 300 : AEgle_3
- Track 301 : VResidence_3
- Track 302 : MaGuCo_3
- Track 303 : Maureen_3, Liebe_3
- Track 304 : Tweety19_4
- Track 305 : Snek_4
- Track 306 : JasmineDragon_3, MiniMommy_3, ShakeltOph_3, VroomVroom_3
- Track 307 : Emotion_3
- Track 308 : SPB78_3
- Track 309 : VWB_3
- Track 310 : 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 311 : Nabi_7, Rana_7
- Track 312 : Eddasa_8, Izzy_8, Rusticus_8, Jash_8, BryanRecycles_8
- Track 313 : Lorelei_7
- Track 314 : Asten_7, OzzyJ_8, Triste_7
- Track 315 : Ejemplo_7, TuanPN_7, Yasdnil_7
- Track 316 : Katalie_8, RedBear_9, South40_8
- Track 317 : Emaanora_9, Snorlax_7, Werner_7, SarahRose_7, BarryBee_9, Whatever_7, Dwayne_7, Hippo_7
- Track 318 : TagePhighter_8, Chucky_7
- Track 319 : Lika_7, Godpower_8
- Track 320 : Dattran_8, Sujidade_8, Goby_7, Toma_7
- Track 321 : Lannister_8
- Track 322 : Zemlya_8, Celeste_7, Danzina_8
- Track 323 : EnochSoames_8
- Track 324 : Brataylor_8
- Track 325 : Oliynyk_8
- Track 326 : Maneekul_7
- Track 327 : Nanodon_9
- Track 328 : Caliburn_7
- Track 329 : ELB20_06, R4_7
- Track 330 : TinaBelcher_7, Bowden_8

- Track 331 : Caelum_8
- Track 332 : Amethyst_7
- Track 333 : Zainub_12
- Track 334 : Haizum_7
- Track 335 : Andris_7
- Track 336 : Janus_8
- Track 337 : Pablito_7
- Track 338 : Jevington_10, Marav_10
- Track 339 : Animus_8, SqueakyClean_8
- Track 340 : Triumph_9
- Track 341 : BartholomewSD_9
- Track 342 : Daudau_7
- Track 343 : TrvxScott_6
- Track 344 : Nishikigoi_7, Tefunt_7
- Track 345 : Loofah_8, Paedore_7
- Track 346 : Hank144_8
- Track 347 : Issmi_8
- Track 348 : Paolo_10
- Track 349 : Puginator_11
- Track 350 : Thestral_8
- Track 351 : Diane_7
- Track 352 : GirlDinner_8
- Track 353 : Alvy_9
- Track 354 : Omar_8
- Track 355 : Superstar_9
- Track 356 : Amela_7
- Track 357 : Alsaber_8, Provolone_8, Conan_10
- Track 358 : ElGato_9
- Track 359 : Verabelle_8
- Track 360 : Vanseggelen_10
- Track 361 : Celery_9
- Track 362 : Dexers_6
- Track 363 : Saftant_7
- Track 364 : phiCAM_07
- Track 365 : Yosif_8
- Track 366 : Verse_7
- Track 367 : GreenWeasel_9
- Track 368 : BroPlease_8
- Track 369 : phiHau3_9
- Track 370 : Urza_7, Itza_7
- Track 371 : VieEnRose_7
- Track 372 : Celia_7
- Track 373 : phiSASD1_23
- Track 374 : Dubu_3
- Track 375 : AbbeyMikolon_3, Nesbitt_3
- Track 376 : Rowa_3
- Track 377 : Lillie_9, Belenaria_9, Swann_9, Espica_9, Nancinator_9, Natosaleda_9, CosmicSans_9, StCroix_9, UhSalsa_9, Erik_9, Naiad_9, Krishelle_9, Shuman_9, Bradshaw_9, Phrankenstein_9, RER2_2, Gollum_9, TWAMP_9, Alatin_9, RexFury_9, Rhodalysa_9
- Track 378 : Partridge_9, Dinger_9
- Track 379 : Alpacados_8, Bonanza_9, Yogi_9
- Track 380 : PhailMary_8

- Track 381 : Harlequin_9, Jester_9
- Track 382 : AngryOrchard_8, Takoda_9
- Track 383 : AppleCloud_7
- Track 384 : Yoncess_9, Rasputin_9, Bryce_9, BobbyDazzler_9
- Track 385 : RGL3_2
- Track 386 : Hiro_9
- Track 387 : Abscondus_30, Culver_31, Dusty_29
- Track 388 : Toniann_31, ClubL_31, Cucurbita_33, Engineer_32, PhinkBoden_31, Miskis_33, Aphelion_31, Bachita_33, Lozinak_31, Norvs_32, Smoothie_32
- Track 389 : WilliamBoone_31
- Track 390 : OneUp_25
- Track 391 : BrutonGaster_19
- Track 392 : MacGully_33
- Track 393 : Braxoaddie_29, Apiary_29, Maselop_29, CoffeeBean_29
- Track 394 : Polyuyuki_29
- Track 395 : GuyFagieri_29
- Track 396 : Flapper_29, Turuncu_29
- Track 397 : Dalilpop_30
- Track 398 : GRU1_15, GTE5_16
- Track 399 : SuperSulley_26, Kabluna_28, Bonum_28, Buggaboo_26
- Track 400 : MerCougar_26
- Track 401 : GrootJr_27, Arti_25, NovumRegina_25
- Track 402 : Phomeo_24, Kurt_25, Emianna_25, NatB6_25, Foxboro_26, Tracker_25, KidneyBean_25, Jifall16_24
- Track 403 : Commandaria_27
- Track 404 : Wheezy_25
- Track 405 : Outis_26, StarStruck_26
- Track 406 : NosilaM_28
- Track 407 : GTE8_14
- Track 408 : Skysand_27, Float294_27
- Track 409 : Lollipop1437_30, Patio_28, Ennea_31
- Track 410 : IDyn_26
- Track 411 : Marietta_27
- Track 412 : NadineRae_25
- Track 413 : Sukkupi_27, Yndexa_27, BiPauneto_28
- Track 414 : WhoseManz_27
- Track 415 : HubbaBubba_24
- Track 416 : Pleakley_34, Fury_34
- Track 417 : JonJames_31
- Track 418 : Cardigan_31
- Track 419 : Yvonnestic_29
- Track 420 : DatBoi_14
- Track 421 : SpeedDemon_140
- Track 422 : Bantam_13
- Track 423 : Daredevil_13
- Track 424 : Mollymur_14
- Track 425 : Ziko_38, Ronaldo_38, Volt_37, Fryberger_35
- Track 426 : Keelan_33
- Track 427 : Guey18_40
- Track 428 : Phishy_6
- Track 429 : Vordorf_5
- Track 430 : Dogfish_5
- Track 431 : Meyran_5

- Track 432 : Ewald_6
- Track 433 : Nyceirae_7
- Track 434 : Kudrefre_13
- Track 435 : Sephiroth_14
- Track 436 : Syleon_14
- Track 437 : Octobien14_14
- Track 438 : Trax_13
- Track 439 : Rabbitrun_15
- Track 440 : Neville_13
- Track 441 : IAmGroot_3
- Track 442 : SuMoo_3
- Track 443 : Honk_3
- Track 444 : UtzChips_3, Barnstormer_3
- Track 445 : Gretchen_3
- Track 446 : Mabodamaca_3
- Track 447 : Cen1621_3
- Track 448 : Caron_3
- Track 449 : Floof_3
- Track 450 : Zeta1847_3
- Track 451 : GardenState_3
- Track 452 : Percival_3
- Track 453 : Kimchi1738_13
- Track 454 : Stickynote_15
- Track 455 : PeteyPab_13, Cruella_13, Zion_13, PotatoChip_13
- Track 456 : C3PO_13
- Track 457 : Darwin_16
- Track 458 : Colleen_4, Arianna_4, Poushou_4, TouchMeNot_4
- Track 459 : MulchSalad_3
- Track 460 : Rita_3, Bipolar_3, MilanaBonita_4, Akhila_4, PopTart_3, Mutaforma13_3, Taj_3, DeadP_3, SassyB_3
- Track 461 : Spikelee_4, Kingsley_4, Cerasum_4, Starceвич_4, Beakin_4, Ramsey_4, Job42_4, UncleRicky_4, OwlsT2W_4, JalFarm20_4, Leozinho_4, SimranZ1_4, Enby_4, Sarma624_4, Oksu_4, DaWorst_4, BigPhil_4, Lorde_4, RockyHorror_4, Pollywog_4, Madiba_4, Tootsieroll_4, Alexphander_4, Stap_4, Drago_4, BuzzLyseyear_4, Marker_4, Boomer_4, Coco12_4, Velveteen_4
- Track 462 : LunaBlu_3, Hlubikazi_3, Mandlovu_3, Galactic_3, Strokeseat_3, Latretium_3, Mahavrat_3
- Track 463 : Scottish_3, KingMidas_3, ByChance_3, OldBen_3, ShowerHandel_3, Nivrat_3, Martik_3, LilMoolah_3, Jarcob_3, Daenerys_3, Priscilla_3, Zerg_3, Girr_3, Eradicator_3, Lizziana_3, Crumble_3, Inventum_3, SwagPigglett_3, RedBird_3, OlympiaSaint_3, Blexus_3, RitaG_3, Yorick_3, Spoonbill_3, Ruby_3, Poenanya_3, Dorothy_3, BlueCrab_3, Pacc40_3, Nimbo_3, PMC_3, Radiance_3, MisterCuddles_3, ShiLan_3, PHappiness_3, Llij_3, Doomphist_3, JoeyJr_3, Burwell21_3, Geralt_3, Sassafras_3, FreddyB_3, Rockne_3
- Track 464 : Eish_3
- Track 465 : Wachhund_3
- Track 466 : Ibhubesi_3, Harley_3
- Track 467 : Saal_3, Brocalys_3, Gorge_3
- Track 468 : VRedHorse_3
- Track 469 : Plumbus_4, Hegedechwinu_4, Kimberlium_4, Juice456_4, Flathead_4, DirtMcgirt_4
- Track 470 : DocMcStuffins_4, ChickenDinner_4, TootsiePop_4, Misha28_4, Piper2020_4, Awesomesauce_4

- Track 471 : Doug_3
- Track 472 : Mozy_4
- Track 473 : IbOuu_3
- Track 474 : Phanphagia_3, Shauna1_3, Firehouse51_3, Wee_3, Ardmore_3, QuickMath_3, Melissauren88_3, Royals2015_3, Ms6_3, XFactor_3, Fruitloop_3
- Track 475 : Phalconet_3
- Track 476 : Frankie_4
- Track 477 : Kenuha5_3
- Track 478 : Zizzle_3
- Track 479 : Juniper1_3
- Track 480 : Modragons_3, Llama_3, OfUltron_3, Seabastian_3, AlpineSix_3, Ochi17_3
- Track 481 : DosHalletts_4
- Track 482 : MadMen_3
- Track 483 : Philus_3, BodEinwohner17_3, DaddyRickover_3, Deb65_3
- Track 484 : CaptainTrips_4, DotProduct_3, SG4_3, Phasih_3, Aubs_3, KristaRAM_4, TDanisky_3, Chuckly_3, DLane_3, Emma_3, Ovechkin_3, EleanorGeorge_3, Sparkdehlily_3, Guppsters_3, StAnnes_3, MinionDave_4, Batiatus_3, DRBy19_3, Whatsapiecost_3, Hamulus_3
- Track 485 : Chevrolet_2
- Track 486 : Mattes_3
- Track 487 : Krakatau_4
- Track 488 : PhesterPhotato_3
- Track 489 : NormanBulbieJr_3, Pippy_3, Clifton_3
- Track 490 : Gandalph_3
- Track 491 : Karhdo_3
- Track 492 : ArcusAngelus_3
- Track 493 : Moonbeam_3, GigiOuiOui_3
- Track 494 : Kersh_3
- Track 495 : Cabrinians_3
- Track 496 : Fastidio_3
- Track 497 : Minnie_3
- Track 498 : Hades_3, Nitzel_4
- Track 499 : MilleniumForce_4
- Track 500 : Bubbles123_3
- Track 501 : Whouxphf_3
- Track 502 : DillTech15_3, Dante_3, Donkeykong_3, Tweety_3
- Track 503 : Cornucopia_4
- Track 504 : Totinger_4, Rialto_4, LittleShirley_4
- Track 505 : Fancypants_3
- Track 506 : LastJedi_3
- Track 507 : GUmbe_3, Veteran_3
- Track 508 : Jinglebell_3
- Track 509 : Estave1_3, Che8_3
- Track 510 : Florinda_3
- Track 511 : SuperGrey_3
- Track 512 : Empress_3
- Track 513 : Maravista_3
- Track 514 : Mantra_3
- Track 515 : Koella_3, Spartacus_3, IrishSherpFalk_3, WillSterrel_3
- Track 516 : Seagreen_4
- Track 517 : Mova_4
- Track 518 : SiSi_3, Phatniss_3

- Track 519 : Quico_4, Girafales_4
- Track 520 : Bobi_4
- Track 521 : BobaPhett_3, James_3
- Track 522 : Sabbb_3
- Track 523 : Leperchaun_3
- Track 524 : Sandalphon_3
- Track 525 : Polka14_3
- Track 526 : Byougenkin_3
- Track 527 : ShroomBoi_3
- Track 528 : Filuzino_3
- Track 529 : Squirty_4
- Track 530 : Cornie_3
- Track 531 : Constance_3, PeggyLeg03_3
- Track 532 : GlobiWarming_3
- Track 533 : Karkharias_3
- Track 534 : Judy_3, Bridgette_3
- Track 535 : Peas_3, Eileen_3
- Track 536 : ChuckDuck_3
- Track 537 : Pucara_3
- Track 538 : Hum25_3
- Track 539 : Durfee_9, QuincyRose_8, Topper_9, Rosmarinus_9, Pokerus_8, Jeckyll_9, ShiaSurprise_9, Boiii_9
- Track 540 : Jarvi_9, Asayake_9, Belladonna_9, Lunahalos_9, Blizzard_9, Peel_9, BGIlluviae_9, Spock_9, Ganymede_9, CREW_9, Dalmuri_9, Hyperbowlee_9, Padfoot_9, Llorens_9, Twitch_9, Veliki_9, Tiri_9, Capricorn_9, BarrelRoll_9, Piatt_9, Inky_9, Homura_9, CaseJules_9
- Track 541 : Enkosi_5
- Track 542 : Chris_8
- Track 543 : Geraldini_9, Beezoo_9
- Track 544 : Shaobing_9, Niklas_9, Peanam_9
- Track 545 : BEEEST_9
- Track 546 : Zavala_9, YoureAdopted_8
- Track 547 : Atiba_9, CheetoDust_9, Tachez_9, Emerson_9, AlishaPH_9
- Track 548 : SgtBeansprout_5, Nikao_5, Nutello_5, Amelie_5, LilPharaoh_5, Mdavu_5, Binglebops_5
- Track 549 : TruffulaTree_9
- Track 550 : Mynx_9
- Track 551 : Dole_9
- Track 552 : Oscar_8
- Track 553 : Murucutumbu_9, LaterM_9
- Track 554 : Joy99_9
- Track 555 : LindNT_9
- Track 556 : LastHope_9
- Track 557 : TreyKay_9, Prithvi_9
- Track 558 : Slimphazie_9, Ramen_9, HedwigODU_9, JAWS_9, Rapunzel97_9, Adephagia_9, Zabiza_9, Jayhawk_9, ActinUp_9
- Track 559 : Apocalypse_9
- Track 560 : Guanica15_9, Yunkel11_9
- Track 561 : LeMond_8
- Track 562 : Deby_9, Sulley_9
- Track 563 : MeaningOfLife_9
- Track 564 : Anaya_10
- Track 565 : MarkPhew_8

- Track 566 : Bella96_9
- Track 567 : Nibb_8
- Track 568 : SamuelLPlagson_9, Urkel_9, DrHayes_9
- Track 569 : TaiwanKao_9
- Track 570 : KiSi_8
- Track 571 : Scarlett_8
- Track 572 : Efra2_9
- Track 573 : Curiosium_10
- Track 574 : Validus_9
- Track 575 : Padpat_9
- Track 576 : Devera_9, Illumine_9
- Track 577 : Megsy_9, CrimD_9
- Track 578 : BaghaKamala_9
- Track 579 : Ageofdapage_9
- Track 580 : Stinson_9
- Track 581 : Angelica_9
- Track 582 : Adonis_9
- Track 583 : TiniBug_9
- Track 584 : Milly_5, Strobilo_5
- Track 585 : BoostSeason_5, Mufasa_5
- Track 586 : TM4_5
- Track 587 : DismalStressor_5, DismalFunk_5, Marcoliusprime_5
- Track 588 : Findley_5
- Track 589 : ZoeJ_5
- Track 590 : TBond007_8, Pixie_8
- Track 591 : Keshu_8
- Track 592 : Hurricane_8
- Track 593 : TripleTrouble_7
- Track 594 : ShedlockHolmes_8
- Track 595 : Pharb_8
- Track 596 : MacnCheese_9
- Track 597 : OmniCritical_10
- Track 598 : Juliette_10, Ruthiejr_9
- Track 599 : Mitti_10, Taquito_8
- Track 600 : Cheetobro_10, Slarp_10, Chancellor_10
- Track 601 : Malthus_10, SamScheppers_8, Fionnbharth_10, Wintermute_10
- Track 602 : Reptar3000_10
- Track 603 : Y2_10, Y10_10
- Track 604 : JF1_10
- Track 605 : Patt_10, MissDaisy_10
- Track 606 : Eponine_10
- Track 607 : AlleyCat_7, InvictusManeo_7, Psycho_7, Edugator_6, Larva_7, Dadosky_7
- Track 608 : Rando14_7
- Track 609 : Agent47_7, Kratio_6
- Track 610 : Gengar_7, Guillsminger_7, Paola_7
- Track 611 : Miryou_7, Collard_7, Feyre_7, Thyatira_7, Waterfoul_7
- Track 612 : OkiRoe_7
- Track 613 : SoSeph_7, Heftyboy_7
- Track 614 : Omnicron_7
- Track 615 : Leston_7
- Track 616 : Marshawn_10
- Track 617 : Amohnition_8

- Track 618 : Syra333_8
- Track 619 : Bryler_8, Sunflower1121_7, Phrank_8, Cain_8, Shadow1_7
- Track 620 : Ekdilam_6
- Track 621 : Ximenita_9
- Track 622 : Ellie_6
- Track 623 : Yuna_9
- Track 624 : DarthP_8
- Track 625 : Krueger_8
- Track 626 : Tierra_8
- Track 627 : TClif_8
- Track 628 : Unicorn_8, PhelpsODU_8
- Track 629 : Fefferhead_8
- Track 630 : Hammy_8
- Track 631 : SirPhilip_8
- Track 632 : Amgine_7
- Track 633 : Aminay_7
- Track 634 : Boilgate_6
- Track 635 : LeBron_5, Zaria_5, AvadaKedavra_5, Wamburgrxpress_5, Silverleaf_5, Wyatt2_5, DirkDirk_5, Appletree2_5, CicholasNage_5, JoeDirt_5, Calm_5, Acquire49_5, UPIE_5, Rose5_5, Enceladus_5
- Track 636 : OhShagHennessy_5
- Track 637 : Halena_5, MAckerman_5
- Track 638 : Tyson_5
- Track 639 : BobsGarage_5, Miley16_5, LilDestine_5, BigCheese_5, Breezona_5, MkaliMitinis3_5, Faith1_5, Nicholasp3_5, Gardann_5, Zakai_5, Kahlid_5, Itos_5, Gabriela_5, Netyap_5, Winky_5, DrSeegs_5, Wilder_5
- Track 640 : Rumpelstiltskin_5, Vetrix_5
- Track 641 : Bazzle_5
- Track 642 : ZhongYanYuan_4, Baoshan_4, Claus_5
- Track 643 : Tourach_5
- Track 644 : Archie_5
- Track 645 : Lewan_5
- Track 646 : Loadrie_5, Hafay_5
- Track 647 : GuuelaD_5
- Track 648 : Finemlucis_5
- Track 649 : Wigglewiggles_5
- Track 650 : Crossroads_5
- Track 651 : MiniLon_6, Lolly9_6
- Track 652 : Jobypre_6, Jubie_6, MsGreen_6, Nicholas_6, Kingsolomon_6, Snenia_6, Clautastrophe_6, Lumos_6
- Track 653 : Bellis_6, Moostard_6, Samty_6, Finnry_6
- Track 654 : Ellson_6
- Track 655 : MiniMac_6
- Track 656 : DuncansLeg_6
- Track 657 : Krypton555_6, Whirlwind_7
- Track 658 : Chaser_5
- Track 659 : DyoEdafos_6
- Track 660 : Bromden_5
- Track 661 : Douge_5
- Track 662 : Baudelaire_5, Aegeus_5
- Track 663 : Reindeer_13
- Track 664 : PegLeg_15, Auspice_15, Dulcita_16, Diminimus_16, Glaske16_16, Bricole_15, TyDawg_15, LilhomieP_14, Skinny_16, SlimJimmy_14, IPHane7_15,

Bongo_15

- Track 665 : Aziz_19, GenevaB15_19
- Track 666 : Rey_19
- Track 667 : GardenSalsa_19, MrMagoo_19
- Track 668 : Estes_20
- Track 669 : Nanosmite_19
- Track 670 : MaryV_27, EniyanLRS_24, Wildcat_27, Cosmo_27, Azrael100_26
- Track 671 : Samy_6
- Track 672 : Kromp_3
- Track 673 : Success_51
- Track 674 : Ibantik_69
- Track 675 : GMA4_3
- Track 676 : Sleepyhead_3
- Track 677 : Footloose_3
- Track 678 : ChewyVIII_39
- Track 679 : Juicebox_4
- Track 680 : P1201_28
- Track 681 : Kumao_14
- Track 682 : GAL1_5
- Track 683 : DS6A_6
- Track 684 : EmiRose_3
- Track 685 : 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 580 of the 1559 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, Acquire49_5, Adzzy_14, 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, Appletree2_5, ArcherNM_15, Archie_5, Arissanae_12, Artemis2UCLA_16, Arturo_11, AugsMagnumOpus_16, AvadaKedavra_5, AvatarAhPeg_12, Avle17_12, BABullseye_16, Baby16_12, BabyBack_15, BabyRay_12, Bachome_13, Backyardigan_12, Bactobuster_14, Badger_12, Baehexic_14, BangNhom_11, Baoshan_4, Bartimeaus_12, Battleship_16, Bazzle_5, Beauxregard13_14, Beemo_14, Belenaria_9, Bellis_6, BellusTerra_12, BengiVuitton_14, Benvolio_13, BiancaTri92_15, BigCheese_5, Blackmoor_12, Blinn1_16, Blue7_16, BobSwaget_16, BobbyDazzler_9, BobsGarage_5, BogosyJay_14, Bombshell_12, Bonanza_9, Boohoo_15, Bowtie_13, Bradshaw_9, BreSam8_14, Breezona_5, 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, Calm_5, 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, CicholasNage_5, Cici_12, Cindaradix_11, Cintron_12, Citius_12, Clarenza_12, Claus_5, Clautastrophe_6, CloudWang3_16, Cocoaberry_12, Colbster_14, Colin_17,

Commander_12, Connomayer_12, Conquerage_14, Cookiedough_16, CosmicSans_9, Crossroads_5, 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, DirkDirk_5, DirtyDunning_12, Dorothea_15, DrSeegs_5, Drake55_15, Drake94_11, DreamTeam1_13, DroogsArmy_13, Druantia_12, DudeLittle_13, DuncansLeg_6, Duplo_16, EZMoney23_17, EagleEye_15, Eagle_11, Eaglepride_13, Eapen_12, Ebony_13, Echild_13, Edison31_12, Eidsmoe_14, Elephantoon_14, Ellson_6, EmyBug_14, Enceladus_5, EpicPhail_14, Epsocamisio_15, Equemioh13_15, EricB_16, Erik_9, Eris_12, Eros_12, Espica_9, Et2Brutus_12, Eurydice_12, EvilGenius_15, ExplosioNervosa_14, Faith1_5, Fameo_13, Farber_14, Fayely_14, Fernando_14, Fibonacci_13, Finemlucis_5, Finnry_6, FiringLine_13, First_0013, Flare16_13, Flaverint_13, Florean_12, Flux_12, Funston_12, Gabriela_5, Gadost_12, Gail_12, Garak_17, Gardann_5, GaugeLDP_15, Gemma_14, Georgie2_14, Gilberta_13, GingkoMaracino_14, Gladiator_16, Gollum_9, Goose_12, GreedyLawyer_16, Grif_14, Groupthink_15, Grub_14, Grum1_14, Gruunaga_16, GtownJaz_14, GuuelaD_5, HINdeR_12, Hafay_5, Halena_5, HamSlice_11, Hammer_16, Happiness_12, Harlequin_9, HarryHoudini_15, HashRod_15, HaveUMetTed_15, Heffalump_15, Heliosoles_14, Helmet_17, Herbertwm_11, Hercules11_14, Hexamo_16, Hiro_9, Holli_12, Hookmount_13, Hoot_16, HortumSL17_14, Houdini22_12, Hutc2_13, ICleared_12, Iceman_12, Indra_16, Insomnia_13, Iracema64_12, IronMan_15, Isiphiwo_16, Itos_5, 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, Jobu08_14, Jobypre_6, JoeDirt_5, JoongJeon_12, Jordennis_16, Joselito_13, JoshKayV_15, Journey13_11, Jsquared_12, Jubie_6, KADY_15, KFPoly_12, Kahlid_5, Kalb97_15, Kalnoky_15, Kalpine_16, Kampy_12, Katalie136_12, KatherineG_15, Kazan_16, Kerberos_16, Keziacharles14_12, Kimona_9, KingCyrus_15, Kingmustik0402_12, Kingsolomon_6, Kipper29_16, KittenMittens_11, Koduck_13, Koko_16, Koreni_11, Kratark_12, Kremtemulon_11, Krishelle_9, Kristoff_13, Krypton555_6, Kyee_12, L5_14, LBerry_14, LHTSCC_12, LadyBird_13, Lambert1_13, Landor_14, LappelDuVide_11, Larenn_14, LarryKay_14, LastResort_15, LeBron_5, Lemur_12, LeoAvram_12, Leogania_15, Leviathan_15, Lewan_5, LilDestine_5, LilTurb_15, Lilbunny_15, Lilith_14, Lillie_9, LittleB_12, LittleGuy_12, Loadrie_5, LochMonster_12, Lokk_16, Lolly9_6, LoneWolf_14, Looper_16, Lorenzo_12, Loser_16, Louie6_14, Luchador_13, Lucivia_13, Lucyedi_14, LugYA_16, Lumos_6, Lunsford_13, MAckerman_5, MaCh_13, Mabel_13, MadMarie_14, Mainiac_14, Malec_14, Malinsilva_16, Maminiaina_14, Manu_15, MarQuardt_14, Margo_13, Marie_14, Marius_15, Maverick_12, Maxo_12, Mazhar510_12, McFly_16, Medusa_12, MeeZee_12, Melvin_12, Methuselah_14, Microwolf_14, MiculUcigas_13, Miko_16, Miley16_5, Millski_12, MinecraftSteve_16, MiniLon_6, MiniMac_6, Miramae_12, Misomonster_16, MissWhite_13, MkaliMitinis3_5, MoneyMay_14, Moostard_6, Morpher26_12, Morrow_12, MsGreen_6, 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, Netyap_5, Newrala_16, Nicholas_6, Nicholasp3_5, NicoleTera_17, Noella_13, Noelle_12, Norbert_12, NorthStar_12, NotAPhaseMom_12, NothingSpecial_15, Nyxis_12, OKCentral2016_12, OKaNui_12, Obama12_12, Odin_12, OhShagHennessy_5, Ohfah_12, OlanP_14, Ollie_14, Oofda_16, Orange_13, P28Green_14, PGHhamlin_16, PP_22, PackMan_14, PainterBoy_14, Palestino_12, Panamaxus_13, Partridge_9, Pawn_15, 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, Phrankenstein_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, 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, Rosalind_15, Rose5_5, Ruin_12, Rummer_14, Rumpelstiltskin_5, Sabertooth_12, Sabia_14, Salz_13, Samty_6, Scamp_12, Scherzo_14, SemperFi_15, Serenity_12, Severus_11, Shaka_12, Sham4_13, ShayRa_16, SheaKeira_13, Sheen_14, SheldonCooper_12, Shuman_9, Shygu2_12, Silverleaf_5, Skipitt_12, Smeagan_15, SmellyB_16, SnapTap_13, Snape_13, Snenia_6, Snickers_14, SoYo_14, SoilDragon_14, SororFago_12, Soshari_16, Soups_15, Sparxx_12, Spike509_14, Spino_12, Spouty_13, StCroix_9, Stagni_14, StarStuff_16, Stasia_13, Steamy_14, Stink_12, Strosahl_15, SuperAwesome_16, SuperCallie99_16, Superchunk_12, Swann_9, SweetiePie_13, SwirlSquare_15, Switzerland_15, TWAMP_9, Takoda_9, Taquarus_12, TarsusIV_13, Taurus_14, Texage_12, Thanksgivukkah_12, Tiffany_14, Timothy_13, Timshel_13, TinaFeyge_12, TinyTimmy_12, Tinybot_11, TipsytheTRex_12, TiroTheta9_12, Toaka_12, Todacoro_13, Tomathan_16, ToneTone_15, Topanga_12, Tourach_5, Trike_10, Trixie_16, Trooper_13, TroyPia_12, Tubs_14, Tucker_16, Turbido_15, Twister_12, TygerBlood_12, Tyson_5, UPIE_5, Ugenie5_11, UhSalsa_9, Ulysses_11, Updawg_15, VA6_13, VC3_16, Vanisoa_12, Veracruz_12, Vetrux_5, Vix_14, VohminGhazi_16, Waits_15, WalterMcMickey_12, Wamburggrxpress_5, Wander_12, Watson_14, WeiHuaDA_19, Whabigail7_15, Whirlwind_7, WideWale_15, Wigglewiggle_5, Wiks_16, Wilbur_12, Wilder_5, Wile_12, Winky_5, Wizard007_12, Wooldri_16, WunderPhul_16, Wyatt2_5, Xena_12, XianYue_13, Yecey3_13, YoSam321_12, Yogi_9, Yokurt_16, Yoncess_9, Zaka_16, Zakai_5, Zaria_5, Zetzy_13, ZhongYanYuan_4, Zimmer_15, Zulu_16,

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

- Arti_25, Bonum_28, Buggaboo_26, Chartreuse_16, Commandaria_27, Emianna_25, Foxboro_26, Fury_34, GTE8_14, GrootJr_27, Jifall16_24, Kabluna_28, KidneyBean_25, Kurt_25, MerCougar_26, NatB6_25, NosilaM_28, NovumRegina_25, Outis_26, Phomeo_24, Pleakley_34, Sabinator_14, StarStruck_26, StepMih_14, SuperSulley_26, Tracker_25, Wheezy_25,

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

- A6_10, AEgle_3, AFIS_12, AGrandiflora_3, Aaronocolus_7, AbbeyMikolon_3, Abbyshoes_13, Abrogate_130, Abscondus_30, Acme_14, ActinUp_9, Adahisdi_13, Adephagia_9, Adolin_3, Adonis_9, Adumb2043_3, Aegeus_5, Aeneas_14, Agaliana_12, Agent47_7, AgentM_10, Ageofdapage_9, Aikyam_4, AinMach_3, Airmid_10, Ajay_12, Akhila_4, Alexphander_4, AlishaPH_9, AlleyCat_7, AlpineSix_3, Alsaber_8, Alsfro_16, Altman_13, Alvin_13, Alvy_9, Amela_7, Amelie_5, Amethyst_7, Amgine_7, Aminay_7, Amohnition_8, Amyev_3, Anaya_10, Andris_7, Anekin_3, Angelica_9, Anglerfish_13, Animus_8, Aphelion_31, Apiary_29, Apocalypse_9, Applejack_12, Aragog_10, Arcanine_13, Archetta_10, ArcusAngelus_3, Ardmore_3, Arianna_4, Arlo_11, Asa16_3, Asayake_9, Ascela_3, Ashballer_11, Asten_7, Astro_10, Atiba_9, Atkinbua_13, Attoomi_4, Aubs_3, Auspice_15, Auxilium_4, Awesomesauce_4, Aziz_19, Azrael100_26, B1_10, BEEST_9, BGlluviae_9, BK1_10,

BPBiebs31_13, Bachita_33, BaconJack_14, BaghaKamala_9, Bantam_13, Barnstormer_3, BarrelRoll_9, Barriga_12, BarryBee_9, BartholomewSD_9, Batiatus_3, Baudelaire_5, Beakin_4, BeardedLady_8, Beatrix_11, BeesKnees_13, Beezoo_9, Bella96_9, Belladonna_9, BenchScraper_4, Benedict_10, Berrie_3, Bethlehem_12, Bexan_11, BiPauneto_28, Big3_12, BigMau_14, BigPaolini_13, BigPhil_4, Bigfoot_11, Binglebops_5, BillKnuckles_13, BillyTP_4, Bipolar_3, Bircsak_12, Blexus_3, Blizzard_9, BluSpix_12, BlueBird_13, BlueCrab_3, Blue_12, Bluefalcon_9, Bob3_11, BobaPhett_3, Bobi_4, BodEinwohner17_3, Boiiii_9, Boilgate_6, Bonamassa_10, Bones_12, Bongo_15, Boomer_4, BoostSeason_5, Bovely_7, Bowden_8, Brataylor_8, Braxoaddie_29, Bricole_15, Bridgette_3, Briton15_14, BroPlease_8, Brocalys_3, Bromden_5, Bruns_11, BrutonGaster_19, BryanRecycles_8, Bryler_8, Bubbles123_3, Bugatti_12, Burton_13, Burwell21_3, Buttons_13, BuzzLyseyear_4, Bxb1_11, ByChance_3, Byougenkin_3, C3PO_13, CREW_9, Cabrinians_3, CactusRose_11, Caelum_8, Cain_8, Caliburn_7, Capricorn_9, CaptainTrips_4, Cardigan_31, Carlyle_14, Caron_3, CaseJules_9, Cassia_3, Celery_9, Celeste_7, Celia_7, Cen1621_3, Cerasum_4, Chadwick_11, Chanagan_11, Chancellor_10, Chaser_5, Che8_3, CheetoDust_9, Cheetobro_10, Chevrolet_2, ChewyVIII_39, ChickenDinner_4, Chris_8, ChuckDuck_3, Chuckly_3, Chucky_7, Ciao_12, Clifton_3, ClubL_31, Coco12_4, CoffeeBean_29, Collard_7, Colleen_4, Community_4, Conan_10, ConceptII_12, Conspiracy_10, Constance_3, Coog_10, CookieBear_4, Cornie_3, Cornucopia_4, Corvo_12, Cosmo_27, Crewmate_4, CrimD_9, Crispicous1_11, Cruella_13, Crumble_3, Cuco_10, Cucurbita_33, Cueylyss_12, Culver_31, Curiosium_10, Cyan_3, DD5_13, DLane_3, DRBy19_3, DS6A_6, DaWorst_4, DaddyRickover_3, Dadosky_7, Daenerys_3, Dalilpop_30, Dalmuri_9, Danforth_9, Dante_3, Danzina_8, Daredevil_13, DARTH_P_8, Darwin_16, DatBoi_14, Dattran_8, Daudau_7, DeadP_3, Deb65_3, Deby_9, Devera_9, Dexers_6, Dexes_13, Diane_7, DillTech15_3, Diminimus_16, DirtMcGirt_4, Discoknowium_10, DismalFunk_5, DismalStressor_5, Dixon_10, DocMcStuffins_4, Dogfish_5, Dole_9, Donkeykong_3, Doom_12, Doomphist_3, Dorothy_3, DosHalletts_4, DotProduct_3, Doug_3, Douge_5, DrFeelGood_11, DrHayes_9, DrManhattan_3, DrSierra_3, Drago_4, DreamCatcher_15, Dreamboat_13, Dublin_9, Dubu_3, Dulcie_11, Dulcita_16, Durfee_9, Dussy_13, Dusty_29, Dwayne_7, Dynamix_13, DyoEdafos_6, ELB20_06, Eddasa_8, Edtherson_13, Edugator_6, Efra2_9, Eileen_3, Eish_3, Ejemplo_7, Ekdilam_6, ElGato_9, ElTiger69_10, EleanorGeorge_3, Elezi_3, Ellie_6, Emaanora_9, Emerson_9, EmiRose_3, Emma_3, Emotion_3, Empress_3, Enby_4, Engineer_32, EniyanLRS_24, Enkosi_5, Ennea_31, EnochSoames_8, Eponine_10, Eradicator_3, Eraser_3, Esperer_7, Espresso_12, Estave1_3, Estes_20, Euphoria_12, EvePickles_4, Ewald_6, Exile_3, Expelliarmus_9, Eyeball_12, Faja_4, Fajezeel_14, Fancypants_3, Farewell_3, Fascinus_11, Fastidio_3, Fefferhead_8, Fenn_13, Feyre_7, Filuzino_3, Findley_5, Fionnbharth_10, Firehouse51_3, Flapper_29, Flathead_4, Float294_27, Floof_3, Florinda_3, Footloose_3, ForGetIt_10, Forsytheast_11, Francis47_12, Frankie_4, Fred313_12, FreddyB_3, FrogHopper_13, Fruitloop_3, Fryberger_35, Fushigi_13, GAL1_5, GMA4_3, GRU1_15, GTE5_16, GUmbie_3, GageAP_14, Galactic_3, Gandalf20_13, Gandolph_3, Ganymede_9, GardenSalsa_19, GardenState_3, GenevaB15_19, Gengar_7, George_9, Geraldini_9, Geralt_3, Ghoulboy_10, GigiOuiOui_3, Girafales_4, GirlDinner_8, Giroux_12, Girr_3, Glaske16_16, Globfish_4, GlobiWarming_3, Goby_7, Godpower_8, Gompeii16_12, Gorge_3, Gorpy_4, Graduation_14, GrecoEtereo_13, GreenWeasel_9, Greg_14, Gretchen_3, Groundhog_9, Guanica15_9, Guey18_40, Guillsminger_7, Guppsters_3, GuyFagieri_29, Gwendoluna_14, Gyzlar_14, Hades_3, Haizum_7, Halsey_3, Hami1_14, Hammy_8, Hamulus_3, HanShotFirst_12, Hank144_8, Harley_3, HarryOW_13, Heathen_12, HedwigODU_9, Heftyboy_7,

Hegedechwinu_4, HelDan_12, Hermia_14, HermioneGrange_13, Hestia_3, Hillester_4, Hippo_7, Hlubikazi_3, Homines_12, Homura_9, Honk_3, Hope4ever_12, HubbaBubba_24, HuhtaEnerson15_10, Hum25_3, Hurricane_8, Hydra_9, Hyperbowlee_9, IAmGroot_3, IDyn_26, ILeeKay_14, IPhane7_15, IbOuu_3, Ibantik_69, Ibhubesi_3, Ichabod_13, Idleandcovert_12, IgnatiusPatJac_11, Illumine_9, Indigo_7, Inky_9, Inventum_3, InvictusManeo_7, IrishSherpFalk_3, Isca_12, Isolde_4, Issmi_8, Iter_3, IttyBittyPiggy_3, Itza_7, Izzy_8, JAWS_9, JC27_14, JF1_10, JF2_12, JF4_12, Jabiru_10, JackSparrow_13, JalFarm20_4, James_3, Janeemi_4, Janus_8, Jarcob_3, Jarvi_9, Jash_8, JasmineDragon_3, Jasper_13, Jayhawk_9, Jeckyll_9, Jerm2_13, Jevington_10, Jinglebell_3, Job42_4, Joemato_3, JoeyJr_3, JohnDoe_3, JonJames_31, Jorgensen_12, Jovo_10, Joy99_9, Jstan_3, Judy_3, Juice456_4, Juicebox_4, JuliaChild_14, Juliette_10, JuneStar_3, Juniper1_3, KBG_13, KSSJEB_12, Kanely_13, Karhdo_3, Karkharias_3, Katalie_8, Kaylissa_3, KeAlii_3, Keelan_33, Kenmech_15, Kenuha5_3, Kersh_3, Keshu_8, KiSi_8, Killigrew_10, Kimberlium_4, Kimchi1738_13, KingMidas_3, Kingsley_4, Koella_3, Krakatau_4, Kratio_6, KristaRAM_4, Kromp_3, Krueger_8, Kudedefre_13, Kugel_13, Kumao_14, KyMonks1A_14, Kykar_10, Lamina13_12, Lannister_8, Larva_7, LastHope_9, LastJedi_3, LaterM_9, Latretium_3, LeMond_8, Legacy_7, Lego_3, Leozinho_4, Leperchaun_3, Lesedi_11, Leston_7, Lev2_10, Leviticus_7, Licorice_14, Liebe_3, Lika_7, LiIBib_13, LiIMoolah_3, LiIPharaoh_5, LilhomieP_14, LindNT_9, LittleCherry_10, LittleShirley_4, Lizalica_3, Lizziana_3, Llama_3, Lij_3, Llorens_9, Lockley_12, Lollipop1437_30, London_3, Loofah_8, Lopton_13, Lorde_4, Lorelei_7, Lozinak_31, LunaBlu_3, Lunahalos_9, MA5_12, MK4_12, MPlant7149_11, MaGuCo_3, Mabodamaca_3, MacGully_33, MacnCheese_9, MadMen_3, Madiba_4, Magnar_12, Magnito_11, Mahavrat_3, Makemake_12, MalagasyRose_8, Malthus_10, Manatee_13, Mandlovu_3, Maneekul_7, Mantra_3, Marav_10, Maravista_3, Marcell_12, Marchy_10, Marcoliusprime_5, Marge_13, Marietta_27, MarkPhew_8, Marker_4, Maroc7_11, Marsha_12, Marshawn_10, Martik_3, MaryBeth_12, MaryV_27, MarysWell_9, Maselop_29, Mattes_3, Maureen_3, McGuire_13, Mdavu_5, MeaningOfLife_9, Megsy_9, Melissauren88_3, MetalQZJ_12, Meyran_5, Micasa_9, Michley_12, Midas2_10, MidnightRain_4, MilanaBonita_4, Milcery_10, MilleniumForce_4, Milly_5, MiniMommy_3, MinionDave_4, Minnie_3, Miryou_7, Misha28_4, Miskis_33, MissDaisy_10, MissSwiss_3, MisterCuddles_3, Mitti_10, Modragons_3, Molly_13, Mollymur_14, Monet_14, Moonbeam_3, Moose_11, Moss_3, Mova_4, Mozy_4, MrGordo_12, MrMagoo_19, Mryolo_11, Ms6_3, Mudpuppy_3, Mufasa_5, MulchSalad_3, Mule_12, Murucutumbu_9, Museum_14, Mutaforma13_3, Mynx_9, MyraDee_10, NEHalo_12, Nabi_7, Naca_10, NadineRae_25, Naira_13, Nanodon_9, Nanosmite_19, NearlyHeadless_10, Nerdos_7, Nergal_6, Nerujay_13, Nesbitt_3, Neville_13, Nhonho_12, Nibb_8, Nikao_5, Niklas_9, Nimbo_3, Niobe_3, Nishikigoi_7, Nitro_3, Nitzel_4, Nivrat_3, Niza_14, NormanBulbieJr_3, Norvs_32, Norz_14, Nutello_5, Nyceirae_7, ObiToo_3, Ochi17_3, Octobien14_14, OfUltron_3, Ohno789_12, OkiRoe_7, Oksu_4, OldBen_3, Oliynyk_8, OlympiaSaint_3, Omar_8, OmniCritical_10, Omnicon_7, OneUp_25, Oogway_11, Oscar_8, Ovechkin_3, OwlsT2W_4, Ozzie_7, OzzyJ_8, P1201_28, PHappiness_3, PMC_3, PSullivan_14, Pablito_7, Pacc40_3, PacerPaul_12, Padfoot_9, Padpat_9, Paedore_7, Paola_7, Paolo_10, Papez_14, Paphu_11, Paraselene_11, Pari_13, Parliament_11, PascalRango_11, Patio_28, Patt_10, PattyP_14, Payneful_11, Peanam_9, Peas_3, Peel_9, PegLeg_15, PeggyLeg03_3, Pelly_13, Pepe_13, Percival_3, Perseus_13, Persistence_3, Peterson_15, PeteyPab_13, Petp2012_14, Petruccio_12, PetterN_11, Phalconet_3, Phanphagia_3, Phantastic_12, Pharb_8, Phasih_3, Phatniss_3, PhelpsODU_8, PherrisBueller_13, PhesterPhotato_3, Phettuccine_7, Phillis_10, Philus_3, PhinkBoden_31, Phishy_6, Phives_4, Phlorence_10, Phrank15_3, Phrank_8, PhrostyMug_12, Piatt_9,

PickleBack_10, PinkPlastic_11, Pinto_14, Piper2020_4, Pippin_14, Pippy_3, Pistachio_13, Pita2_14, Pixelle_3, Pixie_8, Plumbus_4, Poenanya_3, Pokerus_8, Polka14_3, Pollywog_4, Polyuyki_29, PopTart_3, PotatoChip_13, Poushou_4, Powerpuff_3, Priscilla_3, Prithvi_9, Provolone_8, Psycho_7, Pucara_3, Puginator_11, Pumpkins_3, Puppy_13, QTRlifeCrisis_12, QuickMath_3, Quico_4, QuincyRose_8, R4_7, Rabbitrun_15, RadFad_4, Radiance_3, Rajelicia_12, Ramen_9, Ramsey_4, Rana_7, Rando14_7, Raphaella_4, Rapunzel97_9, RedBear_9, RedBird_3, Reedo_3, Reindeer_13, Reptar3000_10, Rey_19, Rhynn_12, Rialto_4, Richie_4, RidgeCB_12, Ringer_12, RitaG_3, Rita_3, Roary_10, Rockne_3, Rockstar_12, RockyHorror_4, Rohr_13, Ronaldo_38, Rosmarinus_9, Rowa_3, Royals2015_3, Rubeus_13, Ruby_3, Rufus_13, Ruotula_11, Rusticus_8, Rutherford_14, Ruthiejr_9, SG4_3, SPB78_3, STLscum_13, Saal_3, Sabbb_3, Saftant_7, Sagefire_13, Saintus_10, Sakai_4, SamScheppers_8, SamuelPlaqson_9, Samy_6, Sandaddy_11, Sandalphon_3, Sanya_11, SarFire_12, SarahRose_7, Sarma624_4, Sashimi_4, Sassafras_3, SassyB_3, SaturnRing_12, Scarlett_8, Scorpio_11, Scottish_3, Scout_12, Scowl_13, Seabastian_3, Seabiscuit_14, Seagreen_4, Seahorse_4, Seanderson_13, Sephiroth_14, SgtBeansprout_5, Shadow1_7, ShakeltOph_3, Shaobing_9, Shauna1_3, ShedlockHolmes_8, ShiLan_3, ShiaSurprise_9, ShortQueendom_11, ShowerHandel_3, ShroomBoi_3, SiSi_3, Sibs6_14, Simpson_3, SimranZ1_4, SirPhilip_8, SkiPole_14, Skinny_16, Skysand_27, Slagathor_13, Slarp_10, Sleepyhead_3, SlimJimmy_14, Slimphazie_9, Smairt_13, Smeadley_10, Smeagol_13, Smoothie_32, Snazzy_10, Snek_4, Snorlax_7, SoSeph_7, Solon_12, Soondubu_3, Sorpresa_11, South40_8, Sparkdehlily_3, Sparky_3, Spartacus_3, SpeedDemon_140, SpikeBT_14, Spikelee_4, Spock_9, Spoonbill_3, SqueakyClean_8, Squee_13, Squirty_4, StAnnes_3, Stap_4, Starcevich_4, Stephig9_10, StewieG_11, Stickynote_15, Stinson_9, Strobilo_5, Strokeseat_3, StrongArm_11, SuMoo_3, Success_51, Sue2_3, Sujidade_8, Sukkupi_27, Sulley_9, Sumter_11, Sunflower1121_7, SunsetPointe_7, Sunshine924_11, SuperGrey_3, Superstar_9, SwagPigglett_3, Swirley_10, SwissCheese_12, Switzer_13, Swole_14, SydNat_10, Syleon_14, Syra333_8, TBond007_8, TClif_8, TDanisky_3, TM4_5, TNguyen7_12, Tachez_9, TAgePhighter_8, TaiwanKao_9, Taj_3, Tallboi_3, Taquito_8, Target_14, Tarynearal_9, Tasp14_13, Tbone_3, Tefunt_7, Teodoridan_10, TforTroy_3, Theia_9, TheloniousMonk_14, Thestral_8, Thor_12, Thyatira_7, Tian_3, Tierra_8, Tiff81_4, Tiger_10, TinaBelcher_7, TiniBug_9, Tiri_9, Toma_7, Toniann_31, TootsiePop_4, Tootsieroll_4, Topgun_12, Topper_9, Tote_14, Totinger_4, TouchMeNot_4, Traft412_14, Trax_13, Treddle_14, TreyKay_9, TripleTrouble_7, Tripl3t_13, Triste_7, Triumph_9, Trouble_12, TruffulaTree_9, TrvxScott_6, TuanPN_7, Tuck_4, Turab_3, Turj99_11, Turuncu_29, Tutumahutu_3, Tweety19_4, Tweety_3, Twitch_9, TwoPeat_13, TyDawg_15, U2_12, UncleRicky_4, Unicorn_8, UnionJack_10, Unstoppable_7, Urkel_9, Urza_7, UtzChips_3, VRedHorse_3, VResidence_3, VWB_3, Validus_9, Vanseggelen_10, Veliki_9, Velveteen_4, Verabelle_8, Verse_7, Veteran_3, VieEnRose_7, Violet_11, Volt_37, Vordorf_5, VroomVroom_3, Wachhund_3, Warda_3, Waterfoul_7, Watermelon_14, Wee_3, Werner_7, Whatever_7, Whatsapiecost_3, Wheeler_12, WhoseManz_27, Whouxphf_3, Wildcat_27, Wildwest_4, Wilkins_12, WillSterrel_3, WilliamBoone_31, Wintermute_10, XFactor_3, Ximenita_9, Y10_10, Y2_10, Yang_3, Yasdnil_7, YesChef_3, Yndexa_27, Yorick_3, Yosif_8, YoungHarleezy_4, YoureAdopted_8, Yuna_9, Yunkel11_9, Yvonetastic_29, Zabiza_9, Zainub_12, Zavala_9, Zeeculate_11, Zemlya_8, Zephyr_12, Zerg_3, Zeta1847_3, Zeuska_13, Ziko_38, Zion_13, Zizzle_3, ZoeJ_5, Zolita_9, phiCAM_07, phiHau3_9, phiSASD1_23,

Summary by start number:

Start 42:

- Found in 149 of 1702 (8.8%) of genes in pham
- Manual Annotations of this start: 24 of 1559
- Called 16.1% of time when present
- Phage (with cluster) where this start called: 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), TiniBug_9 (K1), Topper_9 (K1), TribbleTrouble_7 (K3), TruffulaTree_9 (K1), Validus_9 (K1),

Start 44:

- Found in 8 of 1702 (0.5%) of genes in pham
- Manual Annotations of this start: 6 of 1559
- Called 75.0% of time when present
- Phage (with cluster) where this start called: BiPauneto_28 (CR4), IDyn_26 (CR4), NadineRae_25 (CR4), Sukkupi_27 (CR4), WhoseManz_27 (CR4), Yndexa_27 (CR4),

Start 45:

- Found in 30 of 1702 (1.8%) of genes in pham
- Manual Annotations of this start: 26 of 1559
- Called 86.7% of time when present
- Phage (with cluster) where this start called: Aminay_7 (K7), BoostSeason_5 (K2), Chancellor_10 (K4), Cheetobro_10 (K4), DismalFunk_5 (K2), DismalStressor_5 (K2), Findley_5 (K2), Fionnbharth_10 (K4), Juliette_10 (K4), Malthus_10 (K4), Marcoliusprime_5 (K2), Milly_5 (K2), MissDaisy_10 (K4), Mitti_10 (K4), Mufasa_5 (K2), Patt_10 (K4), Ruthiejr_9 (K4), SamScheppers_8 (K4), Slarp_10 (K4), Strobilo_5 (K2), TM4_5 (K2), Taquito_8 (K4), Wintermute_10 (K4), Y10_10 (K4), Y2_10 (K4), ZoeJ_5 (K2),

Start 46:

- Found in 1 of 1702 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1559
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boilgate_6 (K8),

Start 47:

- Found in 157 of 1702 (9.2%) of genes in pham
- Manual Annotations of this start: 130 of 1559
- Called 86.6% of time when present
- Phage (with cluster) where this start called: ActinUp_9 (K1), Adephegia_9 (K1), Adonis_9 (K1), Agent47_7 (K5), Ageofdapage_9 (K1), AlishaPH_9 (K1), AlleyCat_7 (K5), Amelie_5 (K1), Amgine_7 (K6), Amohnition_8 (K6), Anaya_10 (K1), Angelica_9 (K1), Apocalypse_9 (K1), Asayake_9 (K1), Atiba_9 (K1), BEEST_9 (K1), BGIluviae_9 (K1), BaghaKamala_9 (K1), BarrelRoll_9 (K1), Beezoo_9 (K1), Bella96_9 (K1), Belladonna_9 (K1), Binglebops_5 (K1), Blizzard_9 (K1), Bryler_8 (K6), CREW_9 (K1), Cain_8 (K6), Capricorn_9 (K1), CaseJules_9 (K1), CheetoDust_9 (K1), Chris_8 (K1), Collard_7 (K5), CrimD_9 (K1), Dadosky_7 (K5), Dalmuri_9 (K1), DarthP_8 (K6), Deby_9 (K1), Dole_9 (K1), DrHayes_9 (K1), Edugator_6 (K5), Efra2_9 (K1), Ekdilam_6 (K6), Ellie_6 (K6), Emerson_9 (K1), Fefferhead_8 (K6), Feyre_7 (K5), 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), Keshu_8 (K3), KiSi_8 (K1), Kratio_6 (K5), Krueger_8 (K6), Larva_7 (K5), LastHope_9 (K1), LaterM_9 (K1), LeMond_8 (K1), Leston_7 (K5), LilPharaoh_5 (K1), Llorens_9 (K1), Lunahalos_9 (K1), MacnCheese_9 (K3), MarkPhew_8 (K1), Marshawn_10 (K6), Mdavu_5 (K1), MeaningOfLife_9 (K1), Megsy_9 (K1), Miryou_7 (K5), Murucutumbu_9 (K1), Nibb_8 (K1), Nikao_5 (K1), Niklas_9 (K1), Nutello_5 (K1), OkiRoe_7 (K5), Omnicron_7 (K5), Oscar_8 (K1), Padfoot_9 (K1), Paola_7 (K5), 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), SamuelLPlaqson_9 (K1), Scarlett_8 (K1), SgtBeansprout_5 (K1), Shadow1_7 (K6), Shaobing_9 (K1), ShedlockHolmes_8 (K3), Slimphazie_9 (K1), SoSeph_7 (K5), Spock_9 (K1), Stinson_9 (K1), Sulley_9 (K1), Sunflower1121_7 (K6), Syra333_8 (K6), TBond007_8 (K3), TClif_8 (K6), Tachez_9 (K1), TaiwanKao_9 (K1), Thyatira_7 (K5), Tierra_8 (K6), Tiri_9 (K1), TreyKay_9 (K1), Twitch_9 (K1), Unicorn_8 (K6), Urkel_9 (K1), Veliki_9 (K1), Waterfoul_7 (K5), Ximenita_9 (K6), YoureAdopted_8 (K1), Yuna_9 (K6), Yunkel11_9 (K1), Zabiza_9 (K1), Zavala_9 (K1),

Start 48:

- Found in 21 of 1702 (1.2%) of genes in pham
- Manual Annotations of this start: 21 of 1559
- Called 100.0% 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), GardenSalsa_19 (M2), GenevaB15_19 (M2), Glaske16_16 (M1), IPhone7_15 (M1), Kumao_14 (singleton), LihomieP_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 53:

- Found in 10 of 1702 (0.6%) of genes in pham
- Manual Annotations of this start: 7 of 1559
- Called 70.0% of time when present
- Phage (with cluster) where this start called: Kudrefre_13 (DU1), Neville_13 (DU2), Octobien14_14 (DU1), Rabbitrun_15 (DU2), Sephiroth_14 (DU1), Syleon_14 (DU1), Trax_13 (DU2),

Start 58:

- Found in 3 of 1702 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1559
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Cornie_3 (F5),

Start 59:

- Found in 1 of 1702 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GAL1_5 (singleton),

Start 61:

- Found in 5 of 1702 (0.3%) of genes in pham
- Manual Annotations of this start: 5 of 1559
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bantam_13 (DL), Daredevil_13 (DL), DatBoi_14 (DL), Mollymur_14 (DL), SpeedDemon_140 (DL),

Start 62:

- Found in 20 of 1702 (1.2%) of genes in pham
- Manual Annotations of this start: 16 of 1559
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_30 (CQ), Aphelion_31 (CQ1), Bachita_33 (CQ1), BrutonGaster_19 (CQ2), Cardigan_31 (DD), ClubL_31 (CQ1), Cucurbita_33 (CQ1), Culver_31 (CQ1), Dusty_29 (CQ), Engineer_32 (CQ1), JonJames_31 (DD), Lozinak_31 (CQ1), Miskis_33 (CQ), Norvs_32 (CQ), OneUp_25 (CQ2), PhinkBoden_31 (CQ1), Smoothie_32 (CQ1), Toniann_31 (CQ1), WilliamBoone_31 (CQ1), Yvonnetastic_29 (DD),

Start 65:

- Found in 2 of 1702 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1559
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aegeus_5 (L5), Baudelaire_5 (L5),

Start 66:

- Found in 7 of 1702 (0.4%) of genes in pham
- Manual Annotations of this start: 7 of 1559
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apiary_29 (CR), Braxoaddie_29 (CR), CoffeeBean_29 (CR), GuyFagieri_29 (CR), Ibantik_69 (singleton), Maselop_29 (CR), Polyyuki_29 (CR),

Start 68:

- Found in 1 of 1702 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: P1201_28 (singleton),

Start 69:

- Found in 1 of 1702 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1559
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Samy_6 (singleton),

Start 70:

- Found in 5 of 1702 (0.3%) of genes in pham
- Manual Annotations of this start: 5 of 1559
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ennea_31 (CR3), Float294_27 (CR3), Lollipop1437_30 (CR3), Patio_28 (CR3), Skysand_27 (CR3),

Start 71:

- Found in 66 of 1702 (3.9%) of genes in pham
- Manual Annotations of this start: 30 of 1559
- Called 53.0% of time when present
- Phage (with cluster) where this start called: Arti_25 (CR2), Bonum_28 (CR2), Buggaboo_26 (CR2), C3PO_13 (EN), ChewyVIII_39 (singleton), Commandaria_27

(CR2), Dalilpop_30 (CR1), Darwin_16 (EN), Emianna_25 (CR2), Flapper_29 (CR1), Foxboro_26 (CR2), Fury_34 (CR5), GRU1_15 (CR1), GTE5_16 (CR1), GTE8_14 (CR2), GrootJr_27 (CR2), HubbaBubba_24 (CR4), Jifall16_24 (CR2), Kabluna_28 (CR2), KidneyBean_25 (CR2), Kurt_25 (CR2), MacGully_33 (CR), Marietta_27 (CR4), MerCougar_26 (CR2), NatB6_25 (CR2), NosilaM_28 (CR2), NovumRegina_25 (CR2), Outis_26 (CR2), Phomeo_24 (CR2), Pleakley_34 (CR5), StarStruck_26 (CR2), SuperSulley_26 (CR2), Tracker_25 (CR2), Turuncu_29 (CR1), Wheezy_25 (CR2),

Start 74:

- Found in 644 of 1702 (37.8%) of genes in pham
- Manual Annotations of this start: 580 of 1559
- Called 95.8% 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), ANI8_16 (A2), AbbyPaige_15 (A2), AbbysRanger_12 (A4), Abdiel_12 (A4), Achebe_12 (A4), Acolyte_13 (A2), Acquire49_5 (L1), Adzzy_14 (A2), 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), Appletree2_5 (L1), ArcherNM_15 (A2), Archie_5 (L2), Arissanae_12 (A9), Artemis2UCLA_16 (A6), Arturo_11 (A4), AugsMagnumOpus_16 (A3), AvadaKedavra_5 (L1), 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), Baoshan_4 (L2), Bartimeaus_12 (A4), Battleship_16 (A15), Bazzle_5 (L2), Beauxregard13_14 (A3), Beemo_14 (A9), Belenaria_9 (CA), Bellis_6 (L3), BellusTerra_12 (A4), BengiVuitton_14 (A2), Benvolio_13 (A2), BiancaTri92_15 (A2), BigCheese_5 (L2), Blackmoor_12 (A4), Blinn1_16 (A6), Blue7_16 (A6), BobSwaget_16 (A2), BobbyDazzler_9 (CA), BobsGarage_5 (L2), BogosyJay_14 (A9), Bombshell_12 (A4), Bonanza_9 (CA), Boohoo_15 (A15), Bowtie_13 (A11), Bradshaw_9 (CA), BreSam8_14 (A3), Breezona_5 (L2), 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), Bxz2_14 (A3), C3_11 (A2), CRB1_13 (A2), Caelakin_12 (A4), Calm_5 (L1), 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), CicholasNage_5 (L1), Cici_12 (A4), Cindaradix_11 (A4), Cintron_12 (A4), Citius_12 (A4), Clarenza_12 (A4), Claus_5 (L2), Clautastrophe_6 (L3), 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), Crossroads_5 (L2), 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), DirkDirk_5 (L1), DirtyDunning_12 (A4), Dorothea_15 (A6), DrSeegs_5 (L2), Drake55_15 (A2), Drake94_11 (A10), DreamTeam1_13 (A9), DroogsArmy_13 (A7), Druantia_12 (A4), DudeLittle_13 (A2), DuncansLeg_6 (L3), Duplo_16 (A2), EZMoney23_17 (A2), EagleEye_15 (A16), Eagle_11 (A4), Eaglepride_13 (A10), Eapen_12 (A4), Ebony_13 (A11), Echild_13 (A2), Edison31_12 (A10), Eidsmoe_14 (A9), Elephantoon_14 (A9),

Ellson_6 (L3), EmyBug_14 (A9), Enceladus_5 (L1), 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), Faith1_5 (L2), Fameo_13 (A2), Farber_14 (A3), Fayely_14 (A9), Fernando_14 (A3), Fibonacci_13 (A11), Finemlucis_5 (L2), Finnry_6 (L3), FiringLine_13 (A2), First_0013 (A2), Flare16_13 (A2), Flaverint_13 (A11), Florean_12 (A4), Flux_12 (A4), Funston_12 (A4), Gabriela_5 (L2), Gadost_12 (A4), Gail_12 (A14), Garak_17 (A6), Gardann_5 (L2), GaugeLDP_15 (A2), Gemma_14 (A3), Georgie2_14 (A2), Gilberta_13 (A11), GingkoMaracino_14 (A3), Gladiator_16 (A6), Gollum_9 (CA), Goose_12 (A10), GreedyLawyer_16 (A6), Grif_14 (A3), Groupthink_15 (A3), Grub_14 (A3), Grum1_14 (A3), Gruunaga_16 (A6), GtownJaz_14 (A3), GuuelaD_5 (L2), HINdeR_12 (A7), Hafay_5 (L2), Halena_5 (L1), HamSlice_11 (A4), Hammer_16 (A6), 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), Holli_12 (A4), Hookmount_13 (A3), Hoot_16 (A6), HortumSL17_14 (A9), Houdini22_12 (A4), Hutc2_13 (A11), ICleared_12 (A4), Iceman_12 (A4), Indra_16 (A6), Insomnia_13 (A11), Iracema64_12 (A4), IronMan_15 (A2), Isiphiwo_16 (A6), Itos_5 (L2), 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), Jobu08_14 (A3), Jobypre_6 (L3), JoeDirt_5 (L1), JoongJeon_12 (A4), Jordennis_16 (A6), Joselito_13 (A11), JoshKayV_15 (A2), Journey13_11 (A2), Jsquared_12 (A2), Jubie_6 (L3), KADY_15 (A3), KFPoly_12 (A4), Kahlid_5 (L2), 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), Kingsolomon_6 (L3), Kipper29_16 (A6), KittenMittens_11 (A10), Koduck_13 (A2), Koko_16 (A6), Koreni_11 (A4), Kratark_12 (A4), Kremtemulon_11 (A4), Krishelle_9 (CA), Kristoff_13 (A10), Krypton555_6 (L3), Kyee_12 (A4), L5_14 (A2), LBerry_14 (A3), LHTSCC_12 (A4), LadyBird_13 (A2), Lambert1_13 (A3), Landor_14 (A2), LappelDuVide_11 (A4), Larenn_14 (A2), LarryKay_14 (A3), LastResort_15 (A15), LeBron_5 (L1), Lemur_12 (A4), LeoAvram_12 (A4), Leogania_15 (A2), Leviathan_15 (A2), Lewan_5 (L2), LilDestine_5 (L2), LilTurb_15 (A2), Lilbunny_15 (A6), Lilith_14 (A3), Lillie_9 (CA), LittleB_12 (A4), LittleGuy_12 (A4), Loadrie_5 (L2), LochMonster_12 (A4), Lokk_16 (A2), Lolly9_6 (L3), LoneWolf_14 (A9), Looper_16 (A15), Lorenzo_12 (A4), Loser_16 (A2), Louie6_14 (A3), Luchador_13 (A14), Lucivia_13 (A11), Lucyedi_14 (A16), LugYA_16 (A3), Lumos_6 (L3), Lunsford_13 (A4), MAckerman_5 (L1), MaCh_13 (A11), Mabel_13 (A11), MadMarie_14 (A3), Mainiac_14 (A3), Malec_14 (A2), Malinsilva_16 (A3), Maminaiaina_14 (A9), Manu_15 (A3), MarQuardt_14 (A3), Margo_13 (A3), Marie_14 (A3), Marius_15 (A3), Maverick_12 (A4), Maxo_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), Miley16_5 (L2), Millski_12 (A4), MinecraftSteve_16 (A15), MiniLon_6 (L3), MiniMac_6 (L3), Miramae_12 (A4), Misomonster_16 (A3), MissWhite_13 (A2), MkaliMitinis3_5 (L2), MoneyMay_14 (A3), Moostard_6 (L3), Morpher26_12 (A4), Morrow_12 (A4), MsGreen_6 (L3), 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), Netyap_5 (L2), Newrala_16 (A6), Nicholas_6 (L3), Nicholasp3_5 (L2), 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), OhShagHennessy_5 (L1), Ohfah_12 (A4), OlanP_14 (A3), Ollie_14 (A3), 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_15 (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), Phrankenstein_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), 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), Rosalind_15 (A15), Rose5_5 (L1), Ruin_12 (A4), Rummer_14 (A3), Rumpelstiltskin_5 (L2), Sabertooth_12 (A4), Sabia_14 (A3), Salz_13 (A11), Samty_6 (L3), Scamp_12 (A4), Scherzo_14 (A9), SemperFi_15 (A2), Serenity_12 (A2), Severus_11 (A10), Shaka_12 (A4), Sham4_13 (A11), ShayRa_16 (A15), SheaKeira_13 (A9), Sheen_14 (A7), SheldonCooper_12 (A4), Shuman_9 (CA), Shygu2_12 (A4), Silverleaf_5 (L1), Skipitt_12 (A4), Smeagan_15 (A2), SmellyB_16 (A6), SnapTap_13 (A2), Snape_13 (A11), Snenia_6 (L3), 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_13 (A9), StCroix_9 (CA), Stagni_14 (A3), StarStuff_16 (A2), Stasia_13 (A4), Steamy_14 (A12), Stink_12 (A4), Strosahl_15 (A15), 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), Texage_12 (A3), Thanksgivukkah_12 (A4), Tiffany_14 (A3), Timothy_13 (A11), Timshel_13 (A7), TinaFeyge_12 (A4), TinyTimmy_12 (A11), Tinybot_11 (A4), TipsytheTRex_12 (A2), TiroTheta9_12 (A4), Toaka_12 (A9), Todacoro_13 (A3), Tomathan_16 (A2), ToneTone_15 (A6), Topanga_12 (A10), Tourach_5 (L2), Trike_10 (A10), Trixie_16 (A2), Trooper_13 (A2), TroyPia_12 (A4), Tubs_14 (A9), Tucker_16 (A6), Turbido_15 (A2), Twister_12 (A10), TygerBlood_12 (A4), Tyson_5 (L1), UPIE_5 (L1), Ugenie5_11 (A9), UhSalsa_9 (CA), Ulysses_11 (A4), Updawg_15 (A2), VA6_13 (A2), VC3_16 (A2), Vanisoa_12 (A9), Veracruz_12 (A3), Vatrix_5 (L2), Vix_14 (A3), VohminGhazi_16 (A6), Waits_15 (A15), WalterMcMickey_12 (A10), Wamburggrxpress_5 (L1), Wander_12 (A4), Watson_14 (A3), WeiHuaDA_19 (A2), Whabigail7_15 (A2), Whirlwind_7 (L3), WideWale_15 (A2), Wigglewiggle_5 (L2), Wiks_16 (A6), Wilbur_12 (A4), Wilder_5 (L2), Wile_12 (A4), Winky_5 (L2), Wizard007_12 (A4), Wooldri_16 (A3), WunderPhul_16 (A6), Wyatt2_5 (L1), Xena_12 (A4), XianYue_13 (A2), Yecy3_13 (A9), YoSam321_12 (A4), Yogi_9 (CA), Yokurt_16 (A6), Yoncess_9 (CA), Zaka_16 (A6), Zakai_5 (L2), Zaria_5 (L1), Zetsy_13 (A3), ZhongYanYuan_4 (L2), Zimmer_15 (A12), Zulu_16 (A6),

Start 75:

- Found in 1 of 1702 (0.1%) of genes in pham

- Manual Annotations of this start: 1 of 1559
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nergal_6 (AG),

Start 76:

- Found in 91 of 1702 (5.3%) of genes in pham
- Manual Annotations of this start: 71 of 1559
- Called 82.4% 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), Benedict_10 (A5), BillKnuckles_13 (A1), BlueBird_13 (A3), Bluefalcon_9 (A5), Bonamassa_10 (A5), Bugatti_12 (A3), Bxb1_11 (A1), Chadwick_11 (A5), Conspiracy_10 (A5), Coog_10 (A5), Cuco_10 (A5), Danforth_9 (A8), Discoknowium_10 (A5), Dixon_10 (A8), Dublin_9 (A5), ElTiger69_10 (A5), Expelliarmus_9 (A8), ForGetIt_10 (A5), Fred313_12 (A3), George_9 (A5), Ghouboy_10 (A5), Giroux_12 (A3), Groundhog_9 (A8), Heathen_12 (A3), HelDan_12 (A3), HuhtaEnerson15_10 (A5), Idleandcovert_12 (A3), Isca_12 (A3), JF2_12 (A3), JF4_12 (A3), Jabiru_10 (A5), Jovo_10 (A5), Kugel_13 (A1), Kykar_10 (A1), Lev2_10 (A5), LittleCherry_10 (A5), MA5_12 (A3), MK4_12 (A3), MarysWell_9 (A5), Micasa_9 (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), Puppy_13 (A3), Roary_10 (A8), Rockstar_12 (A3), Saintus_10 (A8), SaturnRing_12 (A3), Scorpia_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), UnionJack_10 (A5), Zolita_9 (A5),

Start 77:

- Found in 2 of 1702 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1559
- Called 50.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_8 (AG),

Start 78:

- Found in 4 of 1702 (0.2%) of genes in pham
- Manual Annotations of this start: 3 of 1559
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bromden_5 (L4), Chaser_5 (L4), Douge_5 (L4), DyoEdafos_6 (L4),

Start 79:

- Found in 7 of 1702 (0.4%) of genes in pham
- Manual Annotations of this start: 5 of 1559
- Called 71.4% of time when present
- Phage (with cluster) where this start called: Azrael100_26 (V), Cosmo_27 (V), EniyanLRS_24 (V), MaryV_27 (V), Wildcat_27 (V),

Start 81:

- Found in 11 of 1702 (0.6%) of genes in pham
- Manual Annotations of this start: 6 of 1559
- Called 54.5% of time when present
- Phage (with cluster) where this start called: Cruella_13 (EN), Kimchi1738_13 (EN), PeteyPab_13 (EN), PotatoChip_13 (EN), Stickyntote_15 (EN), Zion_13 (EN),

Start 83:

- Found in 10 of 1702 (0.6%) of genes in pham
- Manual Annotations of this start: 5 of 1559
- Called 60.0% 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 88:

- Found in 2 of 1702 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1559
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Success_51 (singleton),

Start 93:

- Found in 50 of 1702 (2.9%) of genes in pham
- Manual Annotations of this start: 3 of 1559
- Called 6.0% of time when present
- Phage (with cluster) where this start called: Auxilium_4 (AY), Kromp_3 (singleton), RadFad_4 (AY),

Start 94:

- Found in 72 of 1702 (4.2%) of genes in pham
- No Manual Annotations of this start.
- Called 2.8% of time when present
- Phage (with cluster) where this start called: Chartreuse_16 (A6), SPB78_3 (BA),

Start 95:

- Found in 1 of 1702 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hum25_3 (FQ),

Start 96:

- Found in 56 of 1702 (3.3%) of genes in pham
- Manual Annotations of this start: 4 of 1559
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Caliburn_7 (BD1), Lorelei_7 (BD1), Maneekul_7 (BD1), Oliynyk_8 (BD1),

Start 97:

- Found in 43 of 1702 (2.5%) of genes in pham
- Manual Annotations of this start: 14 of 1559
- Called 46.5% of time when present
- Phage (with cluster) where this start called: Cassia_3 (AZ1), Emotion_3 (AZ4), Exile_3 (AZ), Farewell_3 (AF), Halsey_3 (AZ), IttyBittyPiggy_3 (AZ1), JasmineDragon_3 (AZ4), JuneStar_3 (AZ1), Liebe_3 (AZ2), MaGuCo_3 (AZ2), Maureen_3 (AZ2), MiniMommy_3 (AZ4), Moss_3 (AZ), Pumpkins_3 (AZ1), ShakeltOph_3 (AZ4), Soondubu_3 (AZ), Sparky_3 (AF), TforTroy_3 (AZ1), VroomVroom_3 (AZ4), Yang_3 (AZ1),

Start 98:

- Found in 23 of 1702 (1.4%) of genes in pham

- Manual Annotations of this start: 18 of 1559
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AinMach_3 (AZ), Attoomi_4 (singleton), Bridgette_3 (FA), ChuckDuck_3 (FA), Constance_3 (FA), Dogfish_5 (DT), Eileen_3 (FA), Ewald_6 (DT), GlobiWarming_3 (FA), Judy_3 (FA), Karkharias_3 (FA), Meyran_5 (DT), Nyceirae_7 (DT), Peas_3 (FA), PeggyLeg03_3 (FA), Phishy_6 (DT), Pucara_3 (FA), Reedo_3 (AZ1), Sleepyhead_3 (singleton), Snek_4 (AZ3), Tweety19_4 (AZ3), Vordorf_5 (DT), Wildwest_4 (AZ1),

Start 99:

- Found in 60 of 1702 (3.5%) of genes in pham
- Manual Annotations of this start: 43 of 1559
- Called 93.3% 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), Footloose_3 (singleton), 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), 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 100:

- Found in 3 of 1702 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1559
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Dubu_3 (BJ), phiSASD1_23 (BJ),

Start 101:

- Found in 59 of 1702 (3.5%) of genes in pham
- Manual Annotations of this start: 52 of 1559
- Called 94.9% of time when present
- Phage (with cluster) where this start called: Alexphander_4 (F1), Awesomesauce_4 (F1), Beakin_4 (F1), BigPhil_4 (F1), Bobi_4 (F1), Boomer_4 (F1), BuzzLyseyear_4 (F1), Cerasum_4 (F1), ChickenDinner_4 (F1), Coco12_4 (F1), Cornucopia_4 (F1), DS6A_6 (singleton), DaWorst_4 (F1), DirtMcgirt_4 (F1), DocMcStuffins_4 (F1), DosHalletts_4 (F1), Drago_4 (F1), Enby_4 (F1), Flathead_4 (F1), Frankie_4 (F1), Girafales_4 (F1), Hegedechwinu_4 (F1), JalFarm20_4 (F1), Job42_4 (F1), Juice456_4 (F1), Kimberlium_4 (F1), Kingsley_4 (F1), Leozinho_4 (F1), LittleShirley_4 (F1), Lorde_4 (F1), Madiba_4 (F1), Marker_4 (F1), Misha28_4 (F1), Mova_4 (F1), Mozy_4 (F1), Oksu_4 (F1), OwlsT2W_4 (F1), Piper2020_4 (F1), Plumbus_4 (F1), Pollywog_4 (F1), Quico_4 (F1), Ramsey_4 (F1), Rialto_4 (F1), RockyHorror_4 (F1), Sarma624_4 (F1), Seagreen_4 (F1), SimranZ1_4 (F1), Spikelee_4 (F1), Squirty_4 (F3), Stap_4 (F1), Starcevich_4 (F1), TootsiePop_4 (F1), Tootsieroll_4 (F1), Totinger_4 (F1), UncleRicky_4 (F1), Velveteen_4 (F1),

Start 102:

- Found in 280 of 1702 (16.5%) of genes in pham

- Manual Annotations of this start: 236 of 1559
- Called 89.6% of time when present
- Phage (with cluster) where this start called: Aaronocolus_7 (BD1), Akhila_4 (F1), AlpineSix_3 (F1), Alsaber_8 (BD3), Alvy_9 (BD2), Amela_7 (BD3), Amethyst_7 (BD2), Andris_7 (BD2), Animus_8 (BD2), ArcusAngelus_3 (F1), Ardmore_3 (F1), Asten_7 (BD1), Aubs_3 (F1), BarryBee_9 (BD1), BartholomewSD_9 (BD2), Batiatus_3 (F1), BeardedLady_8 (BD1), Bipolar_3 (F1), Blexus_3 (F1), BlueCrab_3 (F1), BobaPhett_3 (F1), Bovely_7 (BD1), Bowden_8 (BD2), Brataylor_8 (BD1), BroPlease_8 (BD4), Brocalys_3 (F1), BryanRecycles_8 (BD1), Bubbles123_3 (F1), Burwell21_3 (F1), ByChance_3 (F1), Caelum_8 (BD2), CaptainTrips_4 (F1), Celery_9 (BD3), Celeste_7 (BD1), Celia_7 (BD6), Che8_3 (F1), Chuckly_3 (F1), Chucky_7 (BD1), Clifton_3 (F1), Conan_10 (BD3), Crumble_3 (F1), DLane_3 (F1), DRBy19_3 (F1), Daenerys_3 (F1), Dante_3 (F1), Danzina_8 (BD1), Dattran_8 (BD1), Daudau_7 (BD2), DeadP_3 (F1), Dexers_6 (BD3), Diane_7 (BD2), DillTech15_3 (F1), Donkeykong_3 (F1), Doomphist_3 (F1), Dorothy_3 (F1), DotProduct_3 (F1), Doug_3 (F1), Dwayne_7 (BD1), ELB20_06 (BD2), Eddasa_8 (BD1), Eish_3 (F1), Ejemplo_7 (BD1), ElGato_9 (BD3), EleanorGeorge_3 (F1), Emaanora_9 (BD1), Emma_3 (F1), Empress_3 (F1), EnochSoames_8 (BD1), Eradicator_3 (F1), Esperer_7 (BD1), Estave1_3 (F1), Fancypants_3 (F1), Firehouse51_3 (F1), Florinda_3 (F1), FreddyB_3 (F1), Fruitloop_3 (F1), GUmble_3 (F1), Galactic_3 (F1), Geralt_3 (F1), GigiOuiOui_3 (F1), GirlDinner_8 (BD2), Girr_3 (F1), Goby_7 (BD1), Godpower_8 (BD1), Gorge_3 (F1), GreenWeasel_9 (BD4), Guppsters_3 (F1), Hades_3 (F1), Haizum_7 (BD2), Hamulus_3 (F1), Hank144_8 (BD2), Harley_3 (F1), Hippo_7 (BD1), Hlubikazi_3 (F1), Hydra_9 (BD1), Ibhubesi_3 (F1), Indigo_7 (BD1), Inventum_3 (F1), IrishSherpFalk_3 (F1), Issmi_8 (BD2), Itza_7 (BD6), Izzy_8 (BD1), James_3 (F1), Janus_8 (BD2), Jarcob_3 (F1), Jash_8 (BD1), Jevington_10 (BD2), JoeyJr_3 (F1), Karhdo_3 (F1), Katalie_8 (BD1), Kenuha5_3 (F1), Kersh_3 (F1), KingMidas_3 (F1), Koella_3 (F1), KristaRAM_4 (F1), Lannister_8 (BD1), LastJedi_3 (F1), Latretium_3 (F1), Legacy_7 (BD1), Leperchaun_3 (F1), Leviticus_7 (BD1), Lika_7 (BD1), LilMoolah_3 (F1), Lizziana_3 (F1), Llama_3 (F1), Llij_3 (F1), Loofah_8 (BD2), LunaBlu_3 (F1), MadMen_3 (F1), Mahavrat_3 (F1), Mandlovu_3 (F1), Marav_10 (BD2), Maravista_3 (F1), Martik_3 (F1), Melissauren88_3 (F1), MilanaBonita_4 (F1), MilleniumForce_4 (F1), MinionDave_4 (F1), MisterCuddles_3 (F1), Modragons_3 (F1), Moonbeam_3 (F1), Ms6_3 (F1), Mutaforma13_3 (F1), Nabi_7 (BD1), Nanodon_9 (BD1), Nerdos_7 (BD1), Nimbo_3 (F1), Nishikigoi_7 (BD2), Nitzel_4 (F1), Nivrat_3 (F1), NormanBulbieJr_3 (F1), Ochi17_3 (F1), OfUltron_3 (F1), OldBen_3 (F1), OlympiaSaint_3 (F1), Omar_8 (BD2), Ovechkin_3 (F1), Ozzie_7 (BD1), OzzyJ_8 (BD1), PHappiness_3 (F1), PMC_3 (F1), Pablito_7 (BD2), Pacc40_3 (F1), Paedore_7 (BD2), Paolo_10 (BD2), Phalconet_3 (F1), Phanphagia_3 (F1), Phasih_3 (F1), Phatniss_3 (F1), Phettuccine_7 (BD1), Pippy_3 (F1), Poenanya_3 (F1), Polka14_3 (F1), PopTart_3 (F1), Priscilla_3 (F1), Provolone_8 (BD3), Puginator_11 (BD2), QuickMath_3 (F1), R4_7 (BD2), Radiance_3 (F1), Rana_7 (BD1), RedBear_9 (BD1), RedBird_3 (F1), RitaG_3 (F1), Rita_3 (F1), Rockne_3 (F1), Royals2015_3 (F1), Ruby_3 (F1), Rusticus_8 (BD1), SG4_3 (F1), Saal_3 (F1), Sabbb_3 (F1), Saftant_7 (BD3), Sandalphon_3 (F1), SarahRose_7 (BD1), Sassafras_3 (F1), SassyB_3 (F1), Scottish_3 (F1), Sebastian_3 (F1), Shauna1_3 (F1), ShiLan_3 (F1), ShowerHandel_3 (F1), ShroomBoi_3 (F1), SiSi_3 (F1), Snorlax_7 (BD1), South40_8 (BD1), Sparkdehlily_3 (F1), Spartacus_3 (F1), Spoonbill_3 (F1), SqueakyClean_8 (BD2), StAnnes_3 (F1), Strokeseat_3 (F1), Sujidade_8 (BD1), SunsetPointe_7 (BD1), SuperGrey_3 (F1), Superstar_9 (BD2), SwagPiggett_3 (F1), TDanisky_3 (F1), TagePhighter_8 (BD1), Taj_3 (F1), Tefunt_7 (BD2), Thestral_8 (BD2), TinaBelcher_7 (BD2), Toma_7 (BD1), Triste_7 (BD1), Triumph_9 (BD2), TrvxScott_6 (BD2), TuanPN_7 (BD1), Tweety_3

(F1), Unstoppable_7 (BD1), Urza_7 (BD6), VRedHorse_3 (F1), Vanseggelen_10 (BD3), Verabelle_8 (BD3), Verse_7 (BD3), Veteran_3 (F1), Wachhund_3 (F1), Wee_3 (F1), Werner_7 (BD1), Whatever_7 (BD1), Whatsapiecost_3 (F1), WillSterrel_3 (F1), XFactor_3 (F1), Yasdni1_7 (BD1), Yorick_3 (F1), Yosif_8 (BD3), Zainub_12 (BD2), Zemlya_8 (BD1), Zerg_3 (F1), Zizzle_3 (F1), phiHau3_9 (BD4),

Start 103:

- Found in 1 of 1702 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1559
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EmiRose_3 (singleton),

Start 105:

- Found in 3 of 1702 (0.2%) of genes in pham
- Manual Annotations of this start: 3 of 1559
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbeyMikolon_3 (BL), Nesbitt_3 (BL), Rowa_3 (BL),

Start 108:

- Found in 33 of 1702 (1.9%) of genes in pham
- Manual Annotations of this start: 17 of 1559
- Called 84.8% of time when present
- Phage (with cluster) where this start called: Aikyam_4 (AY), Anekin_3 (AY), BenchScraper_4 (AY), BillyTP_4 (AY), CookieBear_4 (AY), EvePickles_4 (AY), Faja_4 (AY), Fryberger_35 (DP), Globfish_4 (AY), Gorpy_4 (AY), Guey18_40 (DP), Hestia_3 (AY), Hillester_4 (AY), Isolde_4 (AY), Keelan_33 (DP), MidnightRain_4 (AY), Persistence_3 (AY), Phrank15_3 (AY), Raphaella_4 (AY), Richie_4 (AY), Ronaldo_38 (DP), Sakai_4 (AY), Sashimi_4 (AY), Seahorse_4 (AY), Tiff81_4 (AY), Volt_37 (DP), YoungHarleezy_4 (AY), Ziko_38 (DP),

Start 109:

- Found in 210 of 1702 (12.3%) of genes in pham
- Manual Annotations of this start: 196 of 1559
- 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), BPBiebs31_13 (A1), BaconJack_14 (A1), Barriga_12 (A1), Beatrix_11 (A1), BeesKnees_13 (A1), Bethlehem_12 (A1), Bexan_11 (A1), Big3_12 (A1), BigMau_14 (A1), BigPaolini_13 (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), Conceptll_12 (A1), Corvo_12 (A1), Crispicous1_11 (A1), Cueylyss_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), Espresso_12 (A1), Euphoria_12 (A1), Eyeball_12 (A1), Fajezeel_14 (A1), Fascinus_11 (A1), Fenn_13 (A1), Forsytheast_11 (A1), Francis47_12 (A1), Frogopper_13 (A1), Fushigi_13 (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), 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), Licorice_14 (A1), LilBib_13 (A1), Lockley_12 (A1), Lopton_13 (A1), MPlant7149_11 (A1), Magnar_12 (A1), Magnito_11 (A1), Makemake_12 (A1), Manatee_13 (A1), Marcell_12 (A1), Marchy_10 (A1), Marge_13 (A1), Maroc7_11 (A1), Marsha_12 (A1), MaryBeth_12 (A1), McGuire_13 (A1), MetalQZJ_12 (A1), Michley_12 (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_11 (A1), Pelly_13 (A1), Pepe_13 (A1), Perseus_13 (A1), Peterson_15 (A1), Petp2012_14 (A1), Petruccio_12 (A1), PherrisBueller_13 (A1), PhrostyMug_12 (A1), PinkPlastic_11 (A1), Pinto_14 (A1), Pippin_14 (A1), Pita2_14 (A1), QTRlifeCrisis_12 (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), Rutherferd_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_11 (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 110:

- Found in 90 of 1702 (5.3%) of genes in pham
- Manual Annotations of this start: 2 of 1559
- Called 2.2% of time when present
- Phage (with cluster) where this start called: Sabinator_14 (A3), StepMih_14 (A3),

Start 115:

- Found in 4 of 1702 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1559
- Called 25.0% of time when present
- Phage (with cluster) where this start called: VieEnRose_7 (BD6),

Start 119:

- Found in 34 of 1702 (2.0%) of genes in pham
- Manual Annotations of this start: 2 of 1559
- Called 8.8% of time when present
- Phage (with cluster) where this start called: Byougenkin_3 (F1), Jinglebell_3 (F1), Whouxphf_3 (F1),

Start 120:

- Found in 140 of 1702 (8.2%) of genes in pham

- Manual Annotations of this start: 8 of 1559
- Called 11.4% of time when present
- Phage (with cluster) where this start called: BodEinwohner17_3 (F1), Cabrinians_3 (F1), Chevrolet_2 (F1), DaddyRickover_3 (F1), Deb65_3 (F1), Fastidio_3 (F1), Filuzino_3 (F1), Gandalph_3 (F1), IbOuu_3 (F1), Juniper1_3 (F1), Krakatau_4 (F1), Mattes_3 (F1), Minnie_3 (F1), MulchSalad_3 (F), PhesterPhotato_3 (F1), Philus_3 (F1),

Start 128:

- Found in 192 of 1702 (11.3%) of genes in pham
- Manual Annotations of this start: 1 of 1559
- Called 0.5% of time when present
- Phage (with cluster) where this start called: Mantra_3 (F1),

Start 148:

- Found in 191 of 1702 (11.2%) of genes in pham
- No Manual Annotations of this start.
- Called 0.5% of time when present
- Phage (with cluster) where this start called: VWB_3 (BA),

Start 149:

- Found in 343 of 1702 (20.2%) of genes in pham
- Manual Annotations of this start: 2 of 1559
- Called 0.9% 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 80 clusters represented in this pham: FQ, singleton, BA, BL, DL, DD, M2, DU1, BJ, A18, K3, FA, K1, BD1, M1, K6, K5, K4, DT, K8, DP, EH, A15, A14, F, A16, A11, A10, A13, A12, AF, A19, EO, A1, BD4, A3, A2, A5, A4, BD3, BD2, A9, A8, CQ1, A, A20, V, EN, A7, AG, CR3, CA, A6, A17, CQ2, L4, CR1, L2, L3, L1, AY, CR, CQ, AZ, DU2, M3, CR2, F1, F3, F5, CR4, K2, CR5, L5, BD6, K7, AZ1, AZ2, AZ3, AZ4,

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 76 was manually annotated 5 times for cluster A1.
- Start number 109 was manually annotated 196 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 23 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 76 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 101 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 92 times for cluster A3.
- Start number 76 was manually annotated 17 times for cluster A3.
- Start number 110 was manually annotated 2 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 74 was manually annotated 135 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 76 was manually annotated 37 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 74 was manually annotated 40 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 76 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 74 was manually annotated 33 times for cluster A9.

Info for manual annotations of cluster AF:

- Start number 97 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 75 was manually annotated 1 time for cluster AG.
- Start number 77 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AY:

- Start number 93 was manually annotated 2 times for cluster AY.

- Start number 108 was manually annotated 11 times for cluster AY.

Info for manual annotations of cluster AZ:

- Start number 97 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:

- Start number 97 was manually annotated 5 times for cluster AZ1.
- Start number 98 was manually annotated 2 times for cluster AZ1.
- Start number 99 was manually annotated 32 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 97 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 98 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 97 was manually annotated 3 times for cluster AZ4.

Info for manual annotations of cluster BD1:

- Start number 96 was manually annotated 4 times for cluster BD1.
- Start number 102 was manually annotated 51 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 102 was manually annotated 26 times for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 102 was manually annotated 7 times for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 102 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 102 was manually annotated 3 times for cluster BD6.
- Start number 115 was manually annotated 1 time for cluster BD6.

Info for manual annotations of cluster BJ:

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

Info for manual annotations of cluster BL:

- Start number 105 was manually annotated 3 times for cluster BL.

Info for manual annotations of cluster CA:

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

Info for manual annotations of cluster CQ:

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

Info for manual annotations of cluster CQ1:

- Start number 62 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 62 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR:

- Start number 66 was manually annotated 6 times for cluster CR.
- Start number 71 was manually annotated 1 time for cluster CR.

Info for manual annotations of cluster CR1:

- Start number 71 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 71 was manually annotated 20 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 70 was manually annotated 5 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 44 was manually annotated 6 times for cluster CR4.
- Start number 71 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 71 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster DD:

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

Info for manual annotations of cluster DL:

- Start number 61 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DP:

- Start number 108 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DT:

- Start number 98 was manually annotated 5 times for cluster DT.

Info for manual annotations of cluster DU1:

- Start number 53 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 53 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster EH:

- Start number 99 was manually annotated 10 times for cluster EH.
- Start number 149 was manually annotated 2 times for cluster EH.

Info for manual annotations of cluster EN:

- Start number 71 was manually annotated 2 times for cluster EN.
- Start number 81 was manually annotated 6 times for cluster EN.

Info for manual annotations of cluster EO:

- Start number 83 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster F1:

- Start number 101 was manually annotated 50 times for cluster F1.
- Start number 102 was manually annotated 146 times for cluster F1.
- Start number 119 was manually annotated 2 times for cluster F1.
- Start number 120 was manually annotated 8 times for cluster F1.
- Start number 128 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F3:

- Start number 101 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F5:

- Start number 58 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster FA:

- Start number 98 was manually annotated 7 times for cluster FA.

Info for manual annotations of cluster K1:

- Start number 42 was manually annotated 18 times for cluster K1.
- Start number 47 was manually annotated 82 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 45 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 42 was manually annotated 1 time for cluster K3.
- Start number 47 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 42 was manually annotated 4 times for cluster K4.
- Start number 45 was manually annotated 15 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 47 was manually annotated 21 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 42 was manually annotated 1 time for cluster K6.
- Start number 47 was manually annotated 20 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 45 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 46 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 74 was manually annotated 18 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 74 was manually annotated 28 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 74 was manually annotated 16 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 78 was manually annotated 3 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 65 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 48 was manually annotated 13 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 48 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 48 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster V:

- Start number 79 was manually annotated 5 times for cluster V.

Gene Information:

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

Candidate Starts for 20ES_13:

(Start: 74 @9230 has 580 MA's), (121, 9290), (160, 9395), (256, 9659), (265, 9677), (278, 9710), (374, 9821), (426, 9938), (432, 9965), (434, 9971), (440, 9992), (441, 9998), (455, 10043), (515, 10187), (544, 10280), (558, 10337), (563, 10355), (564, 10358), (575, 10385), (580, 10394), (613, 10511), (616, 10526), (620, 10541), (633, 10571), (651, 10595),

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

Candidate Starts for 40AC_16:

(Start: 74 @11241 has 580 MA's), (94, 11262), (121, 11301), (156, 11394), (160, 11406), (265, 11688), (330, 11793), (395, 11871), (399, 11880), (408, 11901), (426, 11952), (432, 11979), (434, 11985), (440, 12006), (445, 12027), (448, 12036), (455, 12057), (501, 12138), (521, 12219), (558, 12351), (564, 12372), (575, 12399), (580, 12408), (594, 12474), (613, 12525), (620, 12555), (633, 12585), (651, 12609),

Gene: A6_10 Start: 8266, Stop: 9708, Start Num: 109

Candidate Starts for A6_10:

(64, 8200), (Start: 109 @8266 has 196 MA's), (183, 8464), (265, 8677), (394, 8872), (399, 8884), (432, 8983), (509, 9178), (521, 9217), (545, 9295), (547, 9301), (558, 9349), (561, 9361), (564, 9370), (592, 9460), (620, 9550), (635, 9583), (644, 9595),

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

Candidate Starts for ACFishhook_14:

(Start: 74 @8807 has 580 MA's), (Start: 110 @8837 has 2 MA's), (121, 8864), (160, 8969), (202, 9083), (221, 9149), (244, 9206), (278, 9284), (279, 9287), (394, 9428), (432, 9539), (434, 9545), (440, 9566), (507, 9731), (545, 9857), (558, 9911), (559, 9917), (564, 9932), (580, 9968), (604, 10055), (613, 10085), (620, 10115), (645, 10160), (652, 10169),

Gene: AEgle_3 Start: 2269, Stop: 3642, Start Num: 99

Candidate Starts for AEgle_3:

(Start: 99 @2269 has 43 MA's), (Start: 149 @2389 has 2 MA's), (185, 2488), (310, 2752), (383, 2845), (449, 3025), (515, 3181), (534, 3229), (540, 3259), (548, 3283), (598, 3457), (647, 3577),

Gene: AFIS_12 Start: 8603, Stop: 10045, Start Num: 109

Candidate Starts for AFIS_12:

(64, 8537), (Start: 109 @8603 has 196 MA's), (183, 8801), (265, 9014), (394, 9209), (399, 9221), (432, 9320), (509, 9515), (521, 9554), (545, 9632), (547, 9638), (558, 9686), (561, 9698), (564, 9707), (592, 9797), (620, 9887), (635, 9920), (644, 9932),

Gene: AGrandiflora_3 Start: 2269, Stop: 3645, Start Num: 99

Candidate Starts for AGrandiflora_3:

(Start: 99 @2269 has 43 MA's), (Start: 149 @2389 has 2 MA's), (185, 2488), (198, 2527), (310, 2752), (383, 2845), (449, 3025), (518, 3193), (534, 3232), (540, 3262), (548, 3286), (598, 3460), (601, 3469), (647, 3580),

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

Candidate Starts for AN3_13:

(Start: 74 @9215 has 580 MA's), (121, 9275), (160, 9380), (256, 9644), (265, 9662), (278, 9695), (374, 9806), (432, 9950), (434, 9956), (440, 9977), (441, 9983), (455, 10028), (515, 10172), (544, 10265), (551, 10292), (558, 10322), (563, 10340), (564, 10343), (575, 10370), (580, 10379), (613, 10496), (616, 10511), (620, 10526), (633, 10556), (651, 10580),

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

Candidate Starts for AN9_16:

(Start: 74 @9161 has 580 MA's), (121, 9221), (160, 9326), (265, 9608), (278, 9641), (393, 9782), (399, 9797), (426, 9869), (432, 9896), (434, 9902), (440, 9923), (441, 9929), (455, 9974), (558, 10268), (563, 10286), (564, 10289), (575, 10316), (580, 10325), (594, 10391), (613, 10442), (620, 10472), (633, 10502), (651, 10526),

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

Candidate Starts for ANI8_16:

(Start: 74 @9161 has 580 MA's), (121, 9221), (160, 9326), (265, 9608), (278, 9641), (393, 9782), (399, 9797), (426, 9869), (432, 9896), (434, 9902), (440, 9923), (441, 9929), (455, 9974), (558, 10268), (563, 10286), (564, 10289), (575, 10316), (580, 10325), (594, 10391), (613, 10442), (620, 10472), (633, 10502), (651, 10526),

Gene: Aaronocolus_7 Start: 4081, Stop: 5523, Start Num: 102

Candidate Starts for Aaronocolus_7:

(Start: 93 @4072 has 3 MA's), (Start: 96 @4075 has 4 MA's), (Start: 102 @4081 has 236 MA's), (Start: 149 @4198 has 2 MA's), (172, 4246), (298, 4564), (326, 4606), (341, 4633), (369, 4666), (419, 4759), (423, 4771), (448, 4864), (483, 4942), (498, 4987), (511, 5044), (518, 5068), (585, 5281), (681, 5509),

Gene: AbbeyMikolon_3 Start: 2376, Stop: 3785, Start Num: 105

Candidate Starts for AbbeyMikolon_3:

(Start: 99 @2370 has 43 MA's), (Start: 105 @2376 has 3 MA's), (158, 2511), (177, 2556), (181, 2571), (182, 2574), (211, 2664), (225, 2718), (262, 2781), (272, 2808), (293, 2847), (316, 2880), (391, 2976), (398, 2991), (399, 2994), (423, 3051), (441, 3120), (448, 3144), (490, 3234), (511, 3315), (515, 3330), (536, 3384), (545, 3423), (558, 3477), (581, 3540), (609, 3642), (612, 3651), (614, 3663), (615, 3666), (620, 3684), (633, 3711), (647, 3732),

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

Candidate Starts for AbbyPaige_15:

(Start: 74 @9675 has 580 MA's), (121, 9735), (160, 9840), (224, 10038), (265, 10122), (278, 10155), (394, 10299), (426, 10383), (432, 10410), (434, 10416), (440, 10437), (441, 10443), (455, 10488), (558, 10782), (563, 10800), (564, 10803), (575, 10830), (580, 10839), (613, 10956), (620, 10986), (633, 11016), (651, 11040),

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

Candidate Starts for AbbysRanger_12:

(Start: 74 @8587 has 580 MA's), (156, 8737), (160, 8749), (217, 8917), (224, 8947), (244, 8986), (253, 9004), (256, 9013), (278, 9064), (385, 9193), (394, 9211), (432, 9322), (434, 9328), (440, 9349), (441, 9355), (475, 9424), (497, 9484), (507, 9529), (545, 9655), (546, 9658), (558, 9709), (559, 9715), (564, 9730), (575, 9757), (602, 9847), (604, 9853), (613, 9883), (620, 9913), (633, 9943),

Gene: Abbysshoes_13 Start: 8692, Stop: 10134, Start Num: 109

Candidate Starts for Abbysshoes_13:

(64, 8626), (Start: 109 @8692 has 196 MA's), (183, 8890), (243, 9064), (265, 9103), (394, 9298), (399, 9310), (432, 9409), (509, 9604), (545, 9721), (547, 9727), (558, 9775), (561, 9787), (564, 9796), (592, 9886), (620, 9976), (635, 10009), (644, 10021),

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

Candidate Starts for Abdiel_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Abrogate_130 Start: 9348, Stop: 10790, Start Num: 109

Candidate Starts for Abrogate_130:

(64, 9282), (Start: 109 @9348 has 196 MA's), (183, 9546), (265, 9759), (394, 9954), (399, 9966), (432, 10065), (453, 10137), (509, 10260), (521, 10299), (545, 10377), (547, 10383), (558, 10431), (561, 10443), (564, 10452), (592, 10542), (620, 10632), (635, 10665), (644, 10677),

Gene: Abscondus_30 Start: 10194, Stop: 11810, Start Num: 62

Candidate Starts for Abscondus_30:

(Start: 62 @10194 has 16 MA's), (Start: 97 @10245 has 14 MA's), (104, 10254), (Start: 128 @10314 has 1 MA's), (148, 10371), (164, 10404), (166, 10407), (181, 10452), (187, 10479), (265, 10683), (276, 10713), (296, 10749), (331, 10794), (345, 10803), (352, 10818), (422, 10959), (427, 10977), (428, 10983), (440, 11025), (494, 11217), (515, 11304), (524, 11334), (539, 11379), (553, 11427), (555, 11442), (582, 11505), (587, 11529), (588, 11535), (590, 11544), (612, 11613), (629, 11664), (631, 11667), (638, 11679),

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

Candidate Starts for Achebe_12:

(Start: 74 @8575 has 580 MA's), (156, 8725), (160, 8737), (211, 8884), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (411, 9235), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9745), (602, 9835), (613, 9871), (615, 9883), (620, 9901), (633, 9931),

Gene: Acme_14 Start: 9039, Stop: 10481, Start Num: 109

Candidate Starts for Acme_14:

(64, 8973), (Start: 109 @9039 has 196 MA's), (183, 9237), (265, 9450), (394, 9645), (395, 9648), (432, 9756), (453, 9828), (509, 9951), (521, 9990), (545, 10068), (547, 10074), (558, 10122), (561, 10134), (564, 10143), (592, 10233), (620, 10323), (635, 10356), (644, 10368),

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

Candidate Starts for Acolyte_13:

(Start: 74 @9393 has 580 MA's), (121, 9453), (152, 9540), (160, 9558), (265, 9840), (278, 9873), (426, 10101), (432, 10128), (434, 10134), (440, 10155), (455, 10206), (521, 10368), (558, 10500), (563, 10518), (564, 10521), (575, 10548), (580, 10557), (604, 10644), (613, 10674), (620, 10704), (633, 10734), (651, 10758), (653, 10761),

Gene: Acquire49_5 Start: 2625, Stop: 4298, Start Num: 74

Candidate Starts for Acquire49_5:

(Start: 74 @2625 has 580 MA's), (121, 2688), (137, 2742), (147, 2766), (178, 2835), (183, 2859), (210, 2937), (220, 2973), (265, 3066), (267, 3069), (318, 3144), (341, 3183), (394, 3246), (406, 3273), (407, 3276), (418, 3297), (424, 3318), (435, 3360), (436, 3363), (485, 3465), (490, 3480), (492, 3486), (513, 3567), (521, 3594), (522, 3600), (551, 3693), (557, 3720), (559, 3729), (582, 3783), (586, 3804), (591, 3825), (598, 3852), (601, 3861), (617, 3921), (633, 3951), (638, 3960), (697, 4068), (718, 4263),

Gene: ActinUp_9 Start: 3020, Stop: 4579, Start Num: 47

Candidate Starts for ActinUp_9:

(33, 2918), (Start: 42 @3005 has 24 MA's), (Start: 47 @3020 has 130 MA's), (117, 3122), (121, 3131), (143, 3203), (Start: 149 @3212 has 2 MA's), (158, 3236), (174, 3269), (177, 3278), (185, 3311), (191, 3329), (210, 3380), (215, 3401), (226, 3443), (269, 3509), (274, 3524), (317, 3599), (326, 3620), (357, 3674), (415, 3794), (426, 3827), (430, 3848), (437, 3869), (444, 3899), (482, 3932), (489, 3950), (508, 4028), (512, 4040), (513, 4043), (516, 4055), (517, 4058), (534, 4094), (546, 4142), (558, 4193), (563, 4211), (593, 4307), (601, 4328), (609, 4355), (612, 4364), (624, 4400),

Gene: Adahisdi_13 Start: 8931, Stop: 10373, Start Num: 109

Candidate Starts for Adahisdi_13:

(64, 8865), (Start: 109 @8931 has 196 MA's), (183, 9129), (265, 9342), (394, 9537), (399, 9549), (432, 9648), (509, 9843), (521, 9882), (545, 9960), (547, 9966), (558, 10014), (561, 10026), (564, 10035), (592, 10125), (620, 10215), (635, 10248), (644, 10260),

Gene: Adephagia_9 Start: 3020, Stop: 4579, Start Num: 47

Candidate Starts for Adephagia_9:

(33, 2918), (Start: 42 @3005 has 24 MA's), (Start: 47 @3020 has 130 MA's), (117, 3122), (121, 3131), (143, 3203), (Start: 149 @3212 has 2 MA's), (158, 3236), (174, 3269), (177, 3278), (185, 3311), (191, 3329), (210, 3380), (215, 3401), (226, 3443), (269, 3509), (274, 3524), (317, 3599), (326, 3620), (357, 3674), (415, 3794), (426, 3827), (430, 3848), (437, 3869), (444, 3899), (482, 3932), (489, 3950), (508, 4028), (512, 4040), (513, 4043), (516, 4055), (517, 4058), (534, 4094), (546, 4142), (558, 4193), (563, 4211), (593, 4307), (601, 4328), (609, 4355), (612, 4364), (624, 4400),

Gene: Adolin_3 Start: 2280, Stop: 3656, Start Num: 99

Candidate Starts for Adolin_3:

(Start: 99 @2280 has 43 MA's), (143, 2391), (Start: 149 @2400 has 2 MA's), (185, 2499), (310, 2763), (423, 2940), (449, 3036), (515, 3195), (534, 3243), (540, 3273), (548, 3297), (588, 3432), (598, 3471), (601, 3480),

Gene: Adonis_9 Start: 3037, Stop: 4590, Start Num: 47

Candidate Starts for Adonis_9:

(32, 2914), (33, 2935), (Start: 42 @3022 has 24 MA's), (Start: 47 @3037 has 130 MA's), (117, 3136), (121, 3145), (143, 3217), (Start: 149 @3226 has 2 MA's), (158, 3250), (174, 3283), (177, 3292), (185, 3325), (210, 3394), (215, 3415), (226, 3457), (269, 3523), (274, 3538), (317, 3613), (326, 3634), (357, 3688), (404, 3784), (415, 3808), (426, 3841), (430, 3862), (437, 3883), (444, 3913), (482, 3946), (489, 3964), (504, 4024), (508, 4042), (512, 4054), (513, 4057), (516, 4069), (517, 4072), (534, 4108), (546, 4156), (558, 4207), (563, 4225), (593, 4321), (601, 4342), (609, 4369), (612, 4378), (624, 4414),

Gene: Adumb2043_3 Start: 2268, Stop: 3641, Start Num: 99

Candidate Starts for Adumb2043_3:

(Start: 99 @2268 has 43 MA's), (Start: 149 @2388 has 2 MA's), (185, 2487), (310, 2751), (449, 3024), (515, 3180), (534, 3228), (540, 3258), (548, 3282), (598, 3456), (647, 3576),

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

Candidate Starts for Adzzy_14:

(Start: 74 @8042 has 580 MA's), (121, 8102), (160, 8207), (265, 8489), (399, 8678), (426, 8750), (432, 8777), (434, 8783), (440, 8804), (441, 8810), (521, 9017), (558, 9149), (563, 9167), (564, 9170), (575, 9197), (580, 9206), (604, 9293), (613, 9323), (620, 9353), (633, 9383), (651, 9407), (665, 9428),

Gene: Aegeus_5 Start: 2394, Stop: 3842, Start Num: 65

Candidate Starts for Aegeus_5:

(Start: 58 @2379 has 1 MA's), (Start: 65 @2394 has 2 MA's), (82, 2415), (86, 2421), (132, 2505), (163, 2586), (169, 2595), (175, 2613), (177, 2619), (178, 2622), (185, 2652), (208, 2712), (210, 2724), (215, 2745), (220, 2760), (225, 2784), (233, 2805), (254, 2829), (295, 2904), (298, 2910), (318, 2931), (341, 2970), (383, 3006), (394, 3027), (404, 3048), (406, 3054), (407, 3057), (411, 3063), (434, 3138), (451, 3198), (515, 3354), (521, 3372), (524, 3384), (525, 3387), (532, 3399), (536, 3408), (537, 3423), (551, 3471), (558, 3501), (559, 3507), (598, 3630), (599, 3633), (601, 3639), (609, 3666), (615, 3690), (617, 3699), (625, 3714), (633, 3729), (636, 3735), (638, 3738), (640, 3741),

Gene: Aeneas_14 Start: 9026, Stop: 10468, Start Num: 109

Candidate Starts for Aeneas_14:

(64, 8960), (Start: 109 @9026 has 196 MA's), (183, 9224), (265, 9437), (394, 9632), (432, 9743), (509, 9938), (521, 9977), (545, 10055), (547, 10061), (558, 10109), (561, 10121), (564, 10130), (592, 10220), (620, 10310), (635, 10343), (644, 10355),

Gene: Agaliana_12 Start: 8740, Stop: 10182, Start Num: 109

Candidate Starts for Agaliana_12:

(64, 8674), (Start: 109 @8740 has 196 MA's), (183, 8938), (265, 9151), (394, 9346), (399, 9358), (432, 9457), (453, 9529), (509, 9652), (521, 9691), (545, 9769), (547, 9775), (558, 9823), (561, 9835), (564, 9844), (592, 9934), (620, 10024), (635, 10057), (644, 10069),

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

Candidate Starts for Agape74_15:

(Start: 74 @9675 has 580 MA's), (121, 9735), (160, 9840), (224, 10038), (265, 10122), (278, 10155), (394, 10299), (426, 10383), (432, 10410), (434, 10416), (440, 10437), (441, 10443), (455, 10488), (558, 10782), (563, 10800), (564, 10803), (575, 10830), (580, 10839), (613, 10956), (620, 10986), (633, 11016), (651, 11040),

Gene: Agent47_7 Start: 2770, Stop: 4308, Start Num: 47

Candidate Starts for Agent47_7:

(Start: 47 @2770 has 130 MA's), (117, 2872), (121, 2881), (136, 2935), (174, 3019), (178, 3031), (185, 3061), (191, 3079), (210, 3130), (220, 3166), (225, 3190), (226, 3193), (267, 3247), (274, 3268), (317, 3343), (326, 3364), (342, 3394), (365, 3439), (394, 3493), (415, 3538), (426, 3571), (435, 3607), (437, 3613), (482, 3676), (489, 3694), (508, 3772), (512, 3784), (513, 3787), (517, 3802), (536, 3847), (537, 3862), (544, 3883), (546, 3889), (557, 3937), (558, 3940), (563, 3958), (590, 4039), (593, 4054), (601, 4075), (612, 4111), (624, 4147), (674, 4234),

Gene: AgentM_10 Start: 8017, Stop: 9450, Start Num: 76

Candidate Starts for AgentM_10:

(Start: 76 @8017 has 71 MA's), (173, 8185), (177, 8200), (179, 8206), (229, 8374), (244, 8401), (278, 8479), (344, 8560), (398, 8632), (399, 8635), (426, 8707), (434, 8740), (440, 8761), (448, 8791), (479, 8836), (545, 9052), (558, 9106), (563, 9124), (580, 9163), (613, 9280), (620, 9310), (633, 9340), (652, 9364),

Gene: Ageofdapage_9 Start: 2969, Stop: 4522, Start Num: 47

Candidate Starts for Ageofdapage_9:

(26, 2726), (31, 2840), (33, 2867), (Start: 42 @2954 has 24 MA's), (Start: 47 @2969 has 130 MA's), (117, 3068), (121, 3077), (143, 3149), (Start: 149 @3158 has 2 MA's), (158, 3182), (174, 3215), (185, 3257), (210, 3326), (215, 3347), (226, 3389), (269, 3455), (274, 3470), (326, 3566), (339, 3590), (399, 3707), (415, 3740), (426, 3773), (437, 3815), (444, 3845), (482, 3878), (489, 3896), (508, 3974), (512, 3986), (513, 3989), (516, 4001), (517, 4004), (534, 4040), (546, 4088), (558, 4139), (563, 4157), (593, 4253), (601, 4274), (609, 4301), (612, 4310), (624, 4346), (652, 4400),

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

Candidate Starts for Aglet_14:

(Start: 74 @8655 has 580 MA's), (Start: 110 @8685 has 2 MA's), (121, 8712), (160, 8817), (202, 8931), (221, 8997), (244, 9054), (278, 9132), (279, 9135), (394, 9276), (432, 9387), (434, 9393), (440, 9414), (507, 9579), (545, 9705), (558, 9759), (559, 9765), (564, 9780), (580, 9816), (604, 9903), (613, 9933), (620, 9963), (645, 10008), (652, 10017),

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

Candidate Starts for AgronaGT15_14:

(Start: 74 @8562 has 580 MA's), (Start: 110 @8592 has 2 MA's), (121, 8619), (160, 8724), (202, 8838), (221, 8904), (244, 8961), (278, 9039), (279, 9042), (394, 9183), (432, 9294), (434, 9300), (440, 9321), (507, 9486), (545, 9612), (558, 9666), (559, 9672), (564, 9687), (580, 9723), (604, 9810), (613, 9840), (620, 9870), (645, 9915), (652, 9924),

Gene: Aikyam_4 Start: 2274, Stop: 3605, Start Num: 108

Candidate Starts for Aikyam_4:

(Start: 93 @2262 has 3 MA's), (Start: 108 @2274 has 17 MA's), (112, 2283), (150, 2385), (156, 2397), (206, 2538), (217, 2583), (222, 2598), (226, 2619), (256, 2655), (265, 2673), (311, 2754), (345, 2799), (404, 2877), (430, 2958), (434, 2970), (435, 2973), (441, 2997), (454, 3039), (505, 3150), (509, 3165), (519, 3195), (548, 3291), (620, 3531), (622, 3534), (627, 3540), (657, 3591),

Gene: AinMach_3 Start: 2293, Stop: 3654, Start Num: 98

Candidate Starts for AinMach_3:

(Start: 98 @2293 has 18 MA's), (134, 2371), (Start: 149 @2413 has 2 MA's), (172, 2461), (243, 2674), (337, 2812), (395, 2905), (498, 3145), (518, 3226), (540, 3295), (576, 3412), (594, 3484), (598, 3493), (601, 3502), (634, 3592),

Gene: Airmid_10 Start: 7764, Stop: 9197, Start Num: 76

Candidate Starts for Airmid_10:

(Start: 76 @7764 has 71 MA's), (152, 7893), (173, 7932), (177, 7947), (229, 8121), (244, 8148), (344, 8307), (395, 8373), (398, 8379), (399, 8382), (426, 8454), (434, 8487), (440, 8508), (444, 8526), (448, 8538), (545, 8799), (558, 8853), (563, 8871), (580, 8910), (613, 9027), (620, 9057), (633, 9087), (645, 9102), (652, 9111),

Gene: Ajay_12 Start: 8736, Stop: 10178, Start Num: 109

Candidate Starts for Ajay_12:

(64, 8670), (Start: 109 @8736 has 196 MA's), (183, 8934), (265, 9147), (394, 9342), (399, 9354), (432, 9453), (453, 9525), (509, 9648), (521, 9687), (545, 9765), (547, 9771), (558, 9819), (561, 9831), (564, 9840), (592, 9930), (620, 10020), (635, 10053), (644, 10065),

Gene: Akhila_4 Start: 2903, Stop: 4273, Start Num: 102

Candidate Starts for Akhila_4:

(Start: 102 @2903 has 236 MA's), (Start: 120 @2939 has 8 MA's), (Start: 128 @2963 has 1 MA's), (132, 2972), (134, 2978), (135, 2981), (148, 3020), (177, 3086), (178, 3089), (198, 3158), (210, 3197), (212, 3206), (227, 3254), (265, 3314), (285, 3362), (320, 3407), (380, 3452), (391, 3479), (413, 3524), (421, 3545), (422, 3548), (423, 3551), (428, 3572), (430, 3581), (444, 3632), (445, 3635), (448, 3644), (459, 3674), (467, 3695), (493, 3764), (496, 3773), (506, 3824), (507, 3827), (522, 3881), (524, 3887), (526, 3893), (558, 4004), (561, 4016), (576, 4049), (580, 4055), (587, 4079), (631, 4223), (642, 4241),

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

Candidate Starts for Alatin_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

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

Candidate Starts for Albee_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

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

Candidate Starts for Alberto7_13:

(Start: 74 @8883 has 580 MA's), (156, 9030), (160, 9042), (217, 9210), (224, 9240), (244, 9279), (253, 9297), (278, 9357), (385, 9486), (394, 9504), (432, 9615), (434, 9621), (440, 9642), (441, 9648), (475, 9717), (497, 9777), (507, 9822), (545, 9948), (546, 9951), (558, 10002), (559, 10008), (564, 10023), (575, 10053), (602, 10143), (613, 10179), (615, 10191), (620, 10209), (633, 10239),

Gene: Alexphander_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Alexphander_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: AlishaPH_9 Start: 3028, Stop: 4581, Start Num: 47

Candidate Starts for AlishaPH_9:

(33, 2926), (Start: 42 @3013 has 24 MA's), (Start: 47 @3028 has 130 MA's), (117, 3130), (121, 3139), (143, 3211), (Start: 149 @3220 has 2 MA's), (158, 3244), (174, 3277), (177, 3286), (210, 3388), (215, 3409), (225, 3448), (226, 3451), (269, 3514), (274, 3529), (283, 3553), (317, 3604), (326, 3625), (357, 3679), (415, 3799), (426, 3832), (430, 3853), (437, 3874), (444, 3904), (482, 3937), (489, 3955), (504, 4015), (508, 4033), (512, 4045), (513, 4048), (516, 4060), (517, 4063), (534, 4099), (546, 4147), (558, 4198), (563, 4216), (593, 4312), (601, 4333), (609, 4360), (612, 4369), (624, 4405),

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

Candidate Starts for Aliter_14:

(Start: 74 @9821 has 580 MA's), (121, 9884), (160, 9989), (229, 10199), (248, 10238), (265, 10271), (278, 10304), (394, 10448), (411, 10484), (415, 10493), (426, 10532), (432, 10559), (434, 10565),

(440, 10586), (448, 10616), (455, 10637), (479, 10661), (487, 10676), (558, 10931), (563, 10949), (575, 10979), (576, 10982), (580, 10988), (611, 11099), (613, 11105), (620, 11135), (645, 11180), (651, 11189),

Gene: AlleyCat_7 Start: 2788, Stop: 4326, Start Num: 47

Candidate Starts for AlleyCat_7:

(Start: 47 @2788 has 130 MA's), (117, 2890), (121, 2899), (136, 2953), (174, 3037), (178, 3049), (185, 3079), (191, 3097), (210, 3148), (220, 3184), (225, 3208), (226, 3211), (267, 3265), (274, 3286), (317, 3361), (326, 3382), (342, 3412), (365, 3457), (394, 3511), (415, 3556), (426, 3589), (435, 3625), (437, 3631), (482, 3694), (489, 3712), (508, 3790), (512, 3802), (513, 3805), (517, 3820), (536, 3865), (537, 3880), (544, 3901), (546, 3907), (557, 3955), (558, 3958), (563, 3976), (568, 3991), (590, 4057), (593, 4072), (601, 4093), (612, 4129), (624, 4165), (674, 4252),

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

Candidate Starts for Alma_14:

(Start: 74 @9900 has 580 MA's), (121, 9963), (160, 10068), (229, 10278), (248, 10317), (265, 10350), (278, 10383), (394, 10527), (411, 10563), (415, 10572), (426, 10611), (432, 10638), (434, 10644), (440, 10665), (448, 10695), (455, 10716), (479, 10740), (487, 10755), (558, 11010), (563, 11028), (575, 11058), (576, 11061), (580, 11067), (611, 11178), (613, 11184), (620, 11214), (645, 11259), (651, 11268),

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

Candidate Starts for Alpacados_8:

(Start: 74 @4797 has 580 MA's), (173, 4974), (179, 4995), (185, 5022), (189, 5037), (211, 5100), (256, 5214), (344, 5343), (398, 5415), (428, 5502), (430, 5511), (432, 5517), (445, 5565), (478, 5619), (487, 5634), (490, 5643), (507, 5709), (509, 5718), (512, 5727), (552, 5862), (563, 5907), (564, 5910), (593, 6003), (613, 6060), (620, 6090), (633, 6117), (645, 6129), (649, 6135),

Gene: AlpineSix_3 Start: 2249, Stop: 3607, Start Num: 102

Candidate Starts for AlpineSix_3:

(Start: 102 @2249 has 236 MA's), (Start: 119 @2282 has 2 MA's), (Start: 128 @2309 has 1 MA's), (132, 2318), (134, 2324), (135, 2327), (148, 2366), (177, 2432), (178, 2435), (198, 2504), (201, 2510), (210, 2543), (212, 2552), (227, 2600), (265, 2660), (285, 2708), (320, 2753), (380, 2798), (391, 2825), (413, 2870), (421, 2891), (422, 2894), (423, 2897), (428, 2918), (430, 2927), (444, 2978), (445, 2981), (448, 2990), (459, 3020), (467, 3041), (493, 3110), (496, 3119), (506, 3170), (507, 3173), (522, 3227), (524, 3233), (526, 3239), (550, 3317), (558, 3350), (561, 3362), (576, 3395), (580, 3401), (587, 3425), (631, 3569),

Gene: Alsaber_8 Start: 4192, Stop: 5625, Start Num: 102

Candidate Starts for Alsaber_8:

(Start: 102 @4192 has 236 MA's), (Start: 149 @4309 has 2 MA's), (172, 4357), (175, 4369), (263, 4612), (319, 4699), (353, 4759), (369, 4777), (373, 4783), (423, 4882), (443, 4957), (448, 4975), (470, 5014), (483, 5050), (511, 5152), (558, 5314), (563, 5332), (585, 5389), (609, 5479), (622, 5521), (661, 5587), (681, 5611),

Gene: Alsfro_16 Start: 9479, Stop: 10921, Start Num: 109

Candidate Starts for Alsfro_16:

(64, 9413), (Start: 109 @9479 has 196 MA's), (183, 9677), (265, 9890), (278, 9926), (394, 10085), (399, 10097), (432, 10196), (509, 10391), (521, 10430), (545, 10508), (547, 10514), (558, 10562), (561, 10574), (564, 10583), (580, 10616), (592, 10673), (620, 10763), (635, 10796), (644, 10808),

Gene: Altman_13 Start: 9274, Stop: 10716, Start Num: 109

Candidate Starts for Altman_13:

(64, 9208), (Start: 109 @9274 has 196 MA's), (183, 9472), (265, 9685), (394, 9880), (395, 9883), (399, 9892), (432, 9991), (509, 10186), (521, 10225), (545, 10303), (547, 10309), (558, 10357), (561, 10369), (564, 10378), (580, 10411), (592, 10468), (620, 10558), (635, 10591), (644, 10603),

Gene: Alvin_13 Start: 8947, Stop: 10389, Start Num: 109

Candidate Starts for Alvin_13:

(64, 8881), (Start: 109 @8947 has 196 MA's), (183, 9145), (265, 9358), (394, 9553), (399, 9565), (432, 9664), (509, 9859), (521, 9898), (545, 9976), (547, 9982), (558, 10030), (561, 10042), (564, 10051), (592, 10141), (620, 10231), (635, 10264), (644, 10276),

Gene: Alvy_9 Start: 4026, Stop: 5492, Start Num: 102

Candidate Starts for Alvy_9:

(Start: 102 @4026 has 236 MA's), (Start: 149 @4137 has 2 MA's), (172, 4185), (175, 4197), (185, 4236), (210, 4326), (298, 4497), (300, 4500), (319, 4521), (326, 4539), (341, 4566), (419, 4692), (423, 4704), (443, 4779), (448, 4797), (454, 4815), (457, 4824), (477, 4905), (498, 4962), (509, 5013), (511, 5019), (563, 5199), (585, 5256), (609, 5346), (612, 5355), (670, 5460), (681, 5478),

Gene: Amela_7 Start: 4252, Stop: 5685, Start Num: 102

Candidate Starts for Amela_7:

(Start: 102 @4252 has 236 MA's), (Start: 149 @4369 has 2 MA's), (172, 4417), (175, 4429), (263, 4672), (319, 4759), (369, 4837), (373, 4843), (423, 4942), (443, 5017), (448, 5035), (470, 5074), (483, 5110), (511, 5212), (558, 5374), (563, 5392), (585, 5449), (622, 5581), (639, 5611), (681, 5671),

Gene: Amelie_5 Start: 2283, Stop: 3839, Start Num: 47

Candidate Starts for Amelie_5:

(32, 2157), (33, 2178), (Start: 42 @2268 has 24 MA's), (Start: 47 @2283 has 130 MA's), (104, 2352), (113, 2367), (121, 2388), (Start: 149 @2469 has 2 MA's), (158, 2493), (174, 2526), (183, 2562), (210, 2637), (215, 2658), (220, 2673), (274, 2778), (312, 2844), (326, 2874), (354, 2928), (376, 2970), (394, 3006), (399, 3018), (415, 3051), (426, 3084), (437, 3126), (444, 3156), (482, 3189), (489, 3207), (490, 3213), (504, 3267), (508, 3285), (512, 3297), (516, 3312), (517, 3315), (530, 3348), (557, 3447), (558, 3450), (563, 3468), (582, 3510), (592, 3561), (593, 3564), (601, 3585), (608, 3609), (609, 3612), (612, 3621), (624, 3657), (628, 3672), (640, 3693),

Gene: Amethyst_7 Start: 3826, Stop: 5301, Start Num: 102

Candidate Starts for Amethyst_7:

(Start: 102 @3826 has 236 MA's), (Start: 119 @3856 has 2 MA's), (Start: 149 @3943 has 2 MA's), (185, 4042), (210, 4135), (369, 4408), (423, 4513), (448, 4606), (452, 4618), (454, 4624), (498, 4771), (509, 4822), (511, 4828), (563, 5008), (585, 5065), (609, 5155), (612, 5164), (681, 5287),

Gene: Amgine_7 Start: 2617, Stop: 4170, Start Num: 47

Candidate Starts for Amgine_7:

(31, 2485), (33, 2512), (Start: 42 @2602 has 24 MA's), (Start: 47 @2617 has 130 MA's), (121, 2725), (Start: 149 @2806 has 2 MA's), (158, 2830), (174, 2863), (191, 2923), (210, 2974), (215, 2995), (220, 3010), (269, 3100), (274, 3115), (317, 3190), (326, 3211), (339, 3235), (376, 3304), (394, 3340), (399, 3352), (415, 3385), (426, 3418), (430, 3439), (437, 3460), (444, 3490), (482, 3523), (489, 3541), (498, 3571), (508, 3619), (512, 3631), (513, 3634), (516, 3646), (517, 3649), (525, 3676), (546, 3733), (563, 3802), (570, 3823), (593, 3898), (601, 3919), (609, 3946), (612, 3955), (624, 3991),

Gene: Aminay_7 Start: 2762, Stop: 4318, Start Num: 45

Candidate Starts for Aminay_7:

(Start: 45 @2762 has 26 MA's), (56, 2786), (117, 2867), (121, 2876), (Start: 128 @2900 has 1 MA's), (143, 2948), (Start: 149 @2957 has 2 MA's), (174, 3014), (177, 3023), (178, 3026), (210, 3125), (215, 3146), (224, 3182), (226, 3188), (253, 3212), (269, 3248), (292, 3302), (326, 3359), (376, 3446), (398,

3491), (415, 3527), (425, 3557), (430, 3581), (432, 3587), (437, 3602), (482, 3665), (483, 3668), (489, 3683), (490, 3689), (504, 3743), (512, 3773), (517, 3791), (518, 3794), (525, 3818), (532, 3830), (537, 3854), (563, 3950), (582, 4028), (590, 4067), (592, 4079), (601, 4103), (608, 4127), (609, 4130), (612, 4139), (624, 4175), (633, 4199),

Gene: Amohnition_8 Start: 2823, Stop: 4376, Start Num: 47

Candidate Starts for Amohnition_8:

(32, 2697), (33, 2718), (Start: 42 @2808 has 24 MA's), (Start: 47 @2823 has 130 MA's), (117, 2922), (121, 2931), (123, 2937), (Start: 149 @3012 has 2 MA's), (158, 3036), (174, 3069), (191, 3129), (210, 3180), (215, 3201), (220, 3216), (269, 3306), (274, 3321), (317, 3396), (326, 3417), (339, 3441), (376, 3510), (399, 3558), (415, 3591), (418, 3597), (426, 3624), (430, 3645), (437, 3666), (482, 3729), (489, 3747), (508, 3825), (512, 3837), (513, 3840), (517, 3855), (525, 3882), (546, 3939), (557, 3987), (558, 3990), (563, 4008), (570, 4029), (582, 4050), (590, 4089), (593, 4104), (608, 4149), (609, 4152), (612, 4161), (624, 4197), (628, 4212),

Gene: Amyev_3 Start: 2278, Stop: 3657, Start Num: 99

Candidate Starts for Amyev_3:

(1, 1264), (2, 1399), (6, 1504), (10, 1522), (19, 1837), (29, 1978), (Start: 99 @2278 has 43 MA's), (132, 2350), (Start: 149 @2398 has 2 MA's), (185, 2497), (310, 2761), (383, 2854), (449, 3034), (515, 3190), (534, 3238), (540, 3268), (548, 3292), (598, 3466), (647, 3586),

Gene: Anaya_10 Start: 3049, Stop: 4602, Start Num: 47

Candidate Starts for Anaya_10:

(26, 2806), (33, 2947), (Start: 42 @3034 has 24 MA's), (Start: 47 @3049 has 130 MA's), (117, 3148), (121, 3157), (143, 3229), (Start: 149 @3238 has 2 MA's), (158, 3262), (174, 3295), (177, 3304), (185, 3337), (210, 3406), (215, 3427), (224, 3463), (226, 3469), (269, 3535), (274, 3550), (326, 3646), (399, 3787), (415, 3820), (426, 3853), (430, 3874), (437, 3895), (444, 3925), (489, 3976), (508, 4054), (512, 4066), (513, 4069), (516, 4081), (517, 4084), (546, 4168), (558, 4219), (563, 4237), (576, 4267), (593, 4333), (601, 4354), (609, 4381), (612, 4390), (624, 4426), (652, 4480),

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

Candidate Starts for Anaysia_15:

(Start: 74 @8380 has 580 MA's), (121, 8440), (160, 8545), (184, 8611), (248, 8794), (265, 8827), (278, 8860), (426, 9091), (432, 9118), (434, 9124), (440, 9145), (445, 9166), (455, 9196), (479, 9220), (515, 9340), (545, 9436), (552, 9463), (558, 9490), (563, 9508), (564, 9511), (575, 9544), (580, 9553), (613, 9670), (620, 9700), (651, 9754),

Gene: Andris_7 Start: 3857, Stop: 5341, Start Num: 102

Candidate Starts for Andris_7:

(Start: 102 @3857 has 236 MA's), (Start: 149 @3974 has 2 MA's), (175, 4034), (177, 4040), (185, 4073), (210, 4166), (215, 4187), (257, 4265), (300, 4340), (326, 4379), (369, 4439), (423, 4544), (443, 4619), (448, 4637), (452, 4649), (454, 4655), (456, 4661), (509, 4853), (511, 4859), (557, 5018), (585, 5096), (609, 5186), (612, 5195), (622, 5228), (681, 5327),

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

Candidate Starts for Aneem_13:

(Start: 74 @9784 has 580 MA's), (116, 9829), (121, 9844), (160, 9949), (265, 10231), (278, 10264), (399, 10420), (426, 10492), (432, 10519), (434, 10525), (440, 10546), (455, 10597), (551, 10861), (558, 10891), (564, 10912), (569, 10927), (575, 10939), (580, 10948), (604, 11035), (613, 11065), (620, 11095), (633, 11125), (679, 11191),

Gene: Anekin_3 Start: 2346, Stop: 3680, Start Num: 108

Candidate Starts for Anekin_3:

(Start: 93 @2334 has 3 MA's), (Start: 108 @2346 has 17 MA's), (Start: 119 @2367 has 2 MA's), (135, 2415), (144, 2445), (150, 2454), (156, 2466), (206, 2607), (210, 2625), (222, 2667), (254, 2724), (256, 2730), (265, 2748), (311, 2829), (326, 2850), (404, 2952), (430, 3033), (434, 3045), (435, 3048), (441, 3072), (454, 3114), (489, 3165), (509, 3240), (548, 3366), (557, 3408), (559, 3417), (560, 3420), (576, 3459), (583, 3474), (588, 3501), (620, 3606), (627, 3615), (657, 3666),

Gene: Angelica_9 Start: 3008, Stop: 4561, Start Num: 47

Candidate Starts for Angelica_9:

(26, 2765), (31, 2879), (33, 2906), (Start: 42 @2993 has 24 MA's), (Start: 47 @3008 has 130 MA's), (117, 3110), (121, 3119), (124, 3128), (Start: 149 @3200 has 2 MA's), (174, 3257), (177, 3266), (185, 3299), (186, 3302), (210, 3368), (215, 3389), (226, 3431), (274, 3509), (317, 3584), (326, 3605), (342, 3635), (394, 3734), (399, 3746), (415, 3779), (426, 3812), (430, 3833), (437, 3854), (444, 3884), (482, 3917), (489, 3935), (508, 4013), (512, 4025), (513, 4028), (516, 4040), (517, 4043), (534, 4079), (546, 4127), (558, 4178), (563, 4196), (593, 4292), (601, 4313), (609, 4340), (612, 4349), (624, 4385),

Gene: Anglerfish_13 Start: 9661, Stop: 11103, Start Num: 109

Candidate Starts for Anglerfish_13:

(64, 9595), (Start: 109 @9661 has 196 MA's), (183, 9859), (265, 10072), (394, 10267), (399, 10279), (432, 10378), (453, 10450), (509, 10573), (521, 10612), (545, 10690), (547, 10696), (558, 10744), (561, 10756), (564, 10765), (592, 10855), (620, 10945), (635, 10978), (644, 10990),

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

Candidate Starts for AngryOrchard_8:

(Start: 74 @4780 has 580 MA's), (173, 4957), (179, 4978), (185, 5005), (189, 5020), (248, 5182), (256, 5197), (344, 5326), (398, 5398), (428, 5485), (430, 5494), (432, 5500), (445, 5548), (487, 5617), (490, 5626), (509, 5701), (512, 5710), (552, 5845), (563, 5890), (564, 5893), (593, 5986), (613, 6043), (620, 6073), (633, 6100), (645, 6112), (649, 6118),

Gene: Animus_8 Start: 4204, Stop: 5691, Start Num: 102

Candidate Starts for Animus_8:

(Start: 102 @4204 has 236 MA's), (Start: 149 @4321 has 2 MA's), (185, 4420), (195, 4474), (210, 4513), (326, 4726), (423, 4894), (443, 4969), (445, 4978), (448, 4987), (454, 5005), (456, 5011), (498, 5152), (509, 5203), (511, 5209), (585, 5446), (612, 5545), (622, 5578), (681, 5677),

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

Candidate Starts for AnnaL29_16:

(Start: 74 @11076 has 580 MA's), (Start: 108 @11106 has 17 MA's), (121, 11136), (156, 11229), (160, 11241), (265, 11523), (394, 11700), (398, 11709), (426, 11784), (432, 11811), (434, 11817), (440, 11838), (479, 11913), (558, 12183), (564, 12204), (569, 12219), (575, 12231), (580, 12240), (613, 12357), (620, 12387), (633, 12417), (651, 12441),

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

Candidate Starts for Annyong_12:

(Start: 74 @8579 has 580 MA's), (160, 8738), (217, 8906), (224, 8936), (244, 8975), (253, 8993), (278, 9053), (385, 9182), (394, 9200), (432, 9311), (434, 9317), (440, 9338), (441, 9344), (475, 9413), (497, 9473), (507, 9518), (545, 9644), (546, 9647), (558, 9698), (564, 9719), (575, 9749), (602, 9839), (613, 9875), (615, 9887), (620, 9905), (633, 9935),

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

Candidate Starts for Anon_13:

(40, 8650), (Start: 74 @8728 has 580 MA's), (121, 8794), (152, 8881), (160, 8899), (265, 9181), (395, 9364), (398, 9370), (426, 9445), (432, 9472), (434, 9478), (440, 9499), (445, 9520), (558, 9844), (559, 9850), (563, 9862), (564, 9865), (575, 9892), (580, 9901), (611, 10012), (613, 10018), (620, 10048),

(633, 10078), (645, 10093), (651, 10102),

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

Candidate Starts for Anselm_13:

(Start: 74 @9335 has 580 MA's), (121, 9395), (160, 9500), (224, 9698), (265, 9782), (278, 9815), (374, 9926), (426, 10043), (432, 10070), (434, 10076), (440, 10097), (441, 10103), (455, 10148), (509, 10271), (558, 10442), (563, 10460), (564, 10463), (575, 10490), (580, 10499), (613, 10616), (620, 10646), (633, 10676), (651, 10700),

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

Candidate Starts for Anthony_12:

(Start: 74 @7369 has 580 MA's), (121, 7429), (156, 7522), (160, 7534), (185, 7603), (226, 7738), (265, 7816), (278, 7849), (385, 7975), (394, 7993), (426, 8077), (431, 8101), (432, 8104), (434, 8110), (440, 8131), (525, 8359), (545, 8422), (558, 8476), (564, 8497), (580, 8533), (600, 8611), (613, 8641), (620, 8671), (643, 8713), (645, 8716),

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

Candidate Starts for Anubis_16:

(Start: 74 @8540 has 580 MA's), (Start: 110 @8570 has 2 MA's), (121, 8597), (160, 8702), (202, 8816), (221, 8882), (244, 8939), (278, 9017), (279, 9020), (394, 9161), (432, 9272), (434, 9278), (440, 9299), (507, 9464), (545, 9590), (558, 9644), (559, 9650), (564, 9665), (580, 9701), (604, 9788), (613, 9818), (620, 9848), (645, 9893), (652, 9902),

Gene: Aphelion_31 Start: 10441, Stop: 12057, Start Num: 62

Candidate Starts for Aphelion_31:

(Start: 62 @10441 has 16 MA's), (Start: 97 @10492 has 14 MA's), (104, 10501), (Start: 128 @10561 has 1 MA's), (148, 10618), (166, 10654), (181, 10699), (187, 10726), (265, 10930), (276, 10960), (296, 10996), (331, 11041), (345, 11050), (352, 11065), (421, 11203), (422, 11206), (427, 11224), (428, 11230), (440, 11272), (494, 11464), (515, 11551), (524, 11581), (539, 11626), (553, 11674), (555, 11689), (582, 11752), (587, 11776), (588, 11782), (590, 11791), (612, 11860), (629, 11911), (631, 11914), (638, 11926),

Gene: Apiary_29 Start: 15865, Stop: 17454, Start Num: 66

Candidate Starts for Apiary_29:

(50, 15838), (Start: 66 @15865 has 7 MA's), (Start: 71 @15871 has 30 MA's), (Start: 76 @15880 has 71 MA's), (89, 15898), (90, 15901), (121, 15958), (153, 16051), (210, 16225), (211, 16231), (259, 16351), (292, 16426), (298, 16435), (348, 16483), (436, 16663), (441, 16684), (446, 16702), (450, 16714), (493, 16819), (500, 16846), (509, 16891), (513, 16903), (522, 16936), (548, 17014), (553, 17035), (558, 17059), (560, 17068), (570, 17092), (607, 17212), (609, 17221), (615, 17245),

Gene: Apocalypse_9 Start: 3004, Stop: 4557, Start Num: 47

Candidate Starts for Apocalypse_9:

(33, 2902), (Start: 42 @2989 has 24 MA's), (Start: 47 @3004 has 130 MA's), (117, 3103), (121, 3112), (143, 3184), (158, 3217), (174, 3250), (177, 3259), (185, 3292), (210, 3361), (215, 3382), (226, 3424), (269, 3490), (274, 3505), (317, 3580), (326, 3601), (357, 3655), (415, 3775), (426, 3808), (430, 3829), (437, 3850), (444, 3880), (482, 3913), (489, 3931), (504, 3991), (508, 4009), (512, 4021), (513, 4024), (516, 4036), (517, 4039), (534, 4075), (546, 4123), (558, 4174), (563, 4192), (593, 4288), (601, 4309), (609, 4336), (612, 4345), (624, 4381),

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

Candidate Starts for AppleCloud_7:

(38, 4463), (Start: 74 @4544 has 580 MA's), (173, 4721), (179, 4742), (185, 4769), (189, 4784), (211, 4847), (248, 4946), (256, 4961), (344, 5090), (398, 5162), (428, 5249), (430, 5258), (432, 5264), (445,

5312), (487, 5381), (490, 5390), (507, 5456), (509, 5465), (552, 5609), (563, 5654), (564, 5657), (593, 5750), (613, 5807), (620, 5837), (633, 5864), (645, 5876), (649, 5882),

Gene: Applejack_12 Start: 8674, Stop: 10116, Start Num: 109

Candidate Starts for Applejack_12:

(64, 8608), (Start: 109 @8674 has 196 MA's), (183, 8872), (265, 9085), (394, 9280), (432, 9391), (453, 9463), (509, 9586), (521, 9625), (545, 9703), (547, 9709), (558, 9757), (561, 9769), (564, 9778), (592, 9868), (620, 9958), (635, 9991), (644, 10003),

Gene: Appletree2_5 Start: 2598, Stop: 4271, Start Num: 74

Candidate Starts for Appletree2_5:

(Start: 74 @2598 has 580 MA's), (121, 2661), (137, 2715), (147, 2739), (178, 2808), (183, 2832), (210, 2910), (220, 2946), (265, 3039), (267, 3042), (318, 3117), (341, 3156), (394, 3219), (406, 3246), (407, 3249), (418, 3270), (424, 3291), (435, 3333), (436, 3336), (485, 3438), (490, 3453), (492, 3459), (513, 3540), (521, 3567), (522, 3573), (551, 3666), (557, 3693), (559, 3702), (582, 3756), (586, 3777), (591, 3798), (598, 3825), (601, 3834), (617, 3894), (633, 3924), (638, 3933), (697, 4041), (718, 4236),

Gene: Aragog_10 Start: 8047, Stop: 9480, Start Num: 76

Candidate Starts for Aragog_10:

(Start: 76 @8047 has 71 MA's), (152, 8176), (156, 8182), (185, 8263), (229, 8404), (244, 8431), (278, 8509), (344, 8590), (394, 8653), (395, 8656), (398, 8662), (399, 8665), (426, 8737), (434, 8770), (440, 8791), (448, 8821), (545, 9082), (558, 9136), (563, 9154), (580, 9193), (613, 9310), (620, 9340), (645, 9385), (652, 9394),

Gene: Arcanine_13 Start: 8610, Stop: 10052, Start Num: 109

Candidate Starts for Arcanine_13:

(64, 8544), (Start: 109 @8610 has 196 MA's), (183, 8808), (265, 9021), (394, 9216), (395, 9219), (399, 9228), (432, 9327), (453, 9399), (509, 9522), (521, 9561), (545, 9639), (547, 9645), (558, 9693), (561, 9705), (564, 9714), (580, 9747), (592, 9804), (620, 9894), (635, 9927), (644, 9939),

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

Candidate Starts for ArcherNM_15:

(Start: 74 @11011 has 580 MA's), (121, 11071), (160, 11176), (265, 11458), (278, 11491), (395, 11641), (426, 11722), (432, 11749), (434, 11755), (440, 11776), (558, 12121), (563, 12139), (564, 12142), (569, 12157), (575, 12169), (580, 12178), (613, 12295), (620, 12325), (633, 12355), (651, 12379),

Gene: Archetta_10 Start: 7756, Stop: 9189, Start Num: 76

Candidate Starts for Archetta_10:

(Start: 76 @7756 has 71 MA's), (173, 7924), (177, 7939), (179, 7945), (229, 8113), (244, 8140), (278, 8218), (344, 8299), (398, 8371), (399, 8374), (426, 8446), (434, 8479), (440, 8500), (448, 8530), (479, 8575), (545, 8791), (558, 8845), (563, 8863), (580, 8902), (613, 9019), (620, 9049), (633, 9079), (652, 9103),

Gene: Archie_5 Start: 2603, Stop: 4258, Start Num: 74

Candidate Starts for Archie_5:

(Start: 74 @2603 has 580 MA's), (121, 2666), (126, 2681), (132, 2699), (147, 2744), (175, 2804), (178, 2813), (183, 2837), (185, 2843), (210, 2915), (220, 2951), (226, 2978), (257, 3029), (267, 3047), (269, 3053), (318, 3122), (341, 3161), (390, 3218), (394, 3224), (399, 3236), (404, 3245), (406, 3251), (407, 3254), (418, 3275), (424, 3296), (426, 3302), (436, 3341), (483, 3437), (492, 3464), (521, 3572), (522, 3578), (551, 3671), (557, 3698), (582, 3761), (586, 3782), (591, 3803), (598, 3830), (599, 3833), (601, 3839), (617, 3899), (633, 3929), (638, 3938), (642, 3944), (691, 4034), (697, 4046), (705, 4079), (713, 4118), (718, 4223),

Gene: ArcusAngelus_3 Start: 2241, Stop: 3611, Start Num: 102

Candidate Starts for ArcusAngelus_3:

(Start: 102 @2241 has 236 MA's), (Start: 120 @2277 has 8 MA's), (Start: 128 @2301 has 1 MA's),
(132, 2310), (134, 2316), (135, 2319), (148, 2358), (176, 2421), (177, 2424), (178, 2427), (198, 2496),
(201, 2502), (210, 2535), (212, 2544), (227, 2592), (265, 2652), (273, 2673), (285, 2700), (320, 2745),
(380, 2790), (391, 2817), (413, 2862), (421, 2883), (422, 2886), (423, 2889), (428, 2910), (430, 2919),
(444, 2970), (445, 2973), (448, 2982), (459, 3012), (467, 3033), (493, 3102), (496, 3111), (506, 3162),
(507, 3165), (524, 3225), (526, 3231), (550, 3309), (558, 3342), (561, 3354), (576, 3387), (580, 3393),
(587, 3417), (631, 3561), (642, 3579),

Gene: Ardmore_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Ardmore_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's),
(132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549),
(212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876),
(421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996),
(459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239),
(526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575),
(642, 3593),

Gene: Arianna_4 Start: 2870, Stop: 4285, Start Num: 83

Candidate Starts for Arianna_4:

(Start: 83 @2870 has 5 MA's), (129, 2960), (178, 3089), (183, 3113), (210, 3185), (220, 3221), (339,
3458), (376, 3512), (419, 3608), (434, 3662), (445, 3704), (483, 3746), (540, 3944), (598, 4142),

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

Candidate Starts for Arissanae_12:

(Start: 74 @8025 has 580 MA's), (121, 8085), (152, 8172), (160, 8190), (229, 8400), (265, 8472), (291,
8529), (374, 8616), (394, 8649), (411, 8685), (415, 8694), (426, 8733), (432, 8760), (434, 8766), (440,
8787), (441, 8793), (455, 8838), (487, 8877), (558, 9132), (563, 9150), (575, 9180), (580, 9189), (611,
9300), (613, 9306), (620, 9336), (645, 9381), (651, 9390),

Gene: Arlo_11 Start: 8299, Stop: 9741, Start Num: 109

Candidate Starts for Arlo_11:

(64, 8233), (Start: 109 @8299 has 196 MA's), (183, 8497), (265, 8710), (270, 8722), (394, 8905), (399,
8917), (432, 9016), (509, 9211), (521, 9250), (545, 9328), (547, 9334), (558, 9382), (561, 9394), (564,
9403), (592, 9493), (620, 9583), (635, 9616), (644, 9628),

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

Candidate Starts for Artemis2UCLA_16:

(Start: 74 @9167 has 580 MA's), (94, 9188), (121, 9227), (152, 9314), (157, 9326), (160, 9332), (265,
9614), (288, 9668), (408, 9827), (426, 9878), (432, 9905), (434, 9911), (440, 9932), (521, 10145),
(564, 10298), (569, 10313), (575, 10325), (580, 10334), (594, 10400), (604, 10421), (613, 10451),
(620, 10481), (633, 10511),

Gene: Arti_25 Start: 13883, Stop: 15472, Start Num: 71

Candidate Starts for Arti_25:

(Start: 71 @13883 has 30 MA's), (Start: 74 @13889 has 580 MA's), (87, 13904), (121, 13967), (185,
14159), (210, 14237), (216, 14261), (223, 14291), (371, 14522), (422, 14639), (441, 14711), (445,
14726), (450, 14741), (486, 14822), (522, 14963), (553, 15062), (555, 15077), (558, 15086), (560,
15095), (575, 15131), (584, 15155), (607, 15239), (609, 15248), (621, 15293),

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

Candidate Starts for Arturo_11:

(Start: 74 @8689 has 580 MA's), (156, 8839), (160, 8851), (217, 9019), (224, 9049), (244, 9088), (253, 9106), (278, 9166), (385, 9295), (394, 9313), (432, 9424), (434, 9430), (440, 9451), (441, 9457), (475, 9526), (497, 9586), (507, 9631), (545, 9757), (546, 9760), (558, 9811), (564, 9832), (575, 9862), (602, 9952), (613, 9988), (620, 10018), (633, 10048),

Gene: Asa16_3 Start: 2265, Stop: 3641, Start Num: 99

Candidate Starts for Asa16_3:

(Start: 99 @2265 has 43 MA's), (Start: 149 @2385 has 2 MA's), (185, 2484), (310, 2748), (449, 3021), (515, 3180), (534, 3228), (540, 3258), (548, 3282), (598, 3456), (647, 3576),

Gene: Asayake_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Asayake_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Ascela_3 Start: 2280, Stop: 3656, Start Num: 99

Candidate Starts for Ascela_3:

(Start: 99 @2280 has 43 MA's), (Start: 149 @2400 has 2 MA's), (185, 2499), (310, 2763), (449, 3036), (515, 3195), (534, 3243), (540, 3273), (548, 3297), (598, 3471), (647, 3591),

Gene: Ashballer_11 Start: 8679, Stop: 10121, Start Num: 109

Candidate Starts for Ashballer_11:

(64, 8613), (Start: 109 @8679 has 196 MA's), (183, 8877), (265, 9090), (394, 9285), (399, 9297), (432, 9396), (453, 9468), (509, 9591), (521, 9630), (545, 9708), (547, 9714), (558, 9762), (561, 9774), (564, 9783), (592, 9873), (620, 9963), (635, 9996), (644, 10008),

Gene: Asten_7 Start: 4055, Stop: 5491, Start Num: 102

Candidate Starts for Asten_7:

(Start: 96 @4049 has 4 MA's), (Start: 102 @4055 has 236 MA's), (117, 4079), (125, 4103), (Start: 149 @4172 has 2 MA's), (172, 4220), (175, 4232), (185, 4271), (228, 4424), (298, 4538), (326, 4580), (341, 4607), (369, 4640), (419, 4736), (423, 4748), (443, 4823), (448, 4841), (483, 4919), (498, 4964), (511, 5021), (578, 5234), (585, 5258), (622, 5390), (661, 5456), (681, 5477),

Gene: Astro_10 Start: 7458, Stop: 8888, Start Num: 76

Candidate Starts for Astro_10:

(Start: 76 @7458 has 71 MA's), (159, 7608), (211, 7755), (265, 7890), (344, 8001), (394, 8064), (415, 8109), (432, 8175), (440, 8202), (453, 8247), (507, 8367), (537, 8469), (558, 8547), (559, 8553), (580, 8604), (613, 8721), (620, 8751), (652, 8805),

Gene: Atiba_9 Start: 2992, Stop: 4545, Start Num: 47

Candidate Starts for Atiba_9:

(33, 2890), (Start: 42 @2977 has 24 MA's), (Start: 47 @2992 has 130 MA's), (117, 3094), (121, 3103), (143, 3175), (Start: 149 @3184 has 2 MA's), (158, 3208), (174, 3241), (177, 3250), (210, 3352), (215, 3373), (225, 3412), (226, 3415), (269, 3478), (274, 3493), (283, 3517), (317, 3568), (326, 3589), (357, 3643), (415, 3763), (426, 3796), (430, 3817), (437, 3838), (444, 3868), (482, 3901), (489, 3919), (504, 3979), (508, 3997), (512, 4009), (513, 4012), (516, 4024), (517, 4027), (534, 4063), (546, 4111), (558, 4162), (563, 4180), (593, 4276), (601, 4297), (609, 4324), (612, 4333), (624, 4369),

Gene: Atkinbua_13 Start: 8654, Stop: 10096, Start Num: 109

Candidate Starts for Atkinbua_13:

(64, 8588), (Start: 109 @8654 has 196 MA's), (183, 8852), (265, 9065), (394, 9260), (395, 9263), (432, 9371), (509, 9566), (521, 9605), (545, 9683), (547, 9689), (558, 9737), (561, 9749), (564, 9758), (592, 9848), (620, 9938), (635, 9971), (644, 9983),

Gene: Attoomi_4 Start: 2521, Stop: 3972, Start Num: 98

Candidate Starts for Attoomi_4:

(Start: 98 @2521 has 18 MA's), (113, 2545), (172, 2692), (174, 2701), (179, 2716), (183, 2737), (185, 2743), (210, 2848), (226, 2905), (257, 2956), (265, 2971), (284, 3013), (298, 3028), (306, 3037), (353, 3103), (356, 3106), (375, 3133), (419, 3220), (420, 3223), (423, 3232), (428, 3253), (431, 3265), (448, 3325), (471, 3370), (492, 3430), (504, 3478), (515, 3520), (523, 3547), (528, 3559), (533, 3568), (537, 3592), (541, 3607), (544, 3613), (548, 3625), (562, 3685), (566, 3697), (598, 3790), (606, 3814), (612, 3835), (615, 3850), (622, 3868), (639, 3898), (647, 3910), (655, 3922),

Gene: Aubs_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Aubs_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (525, 3242), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

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

Candidate Starts for AugsMagnumOpus_16:

(Start: 74 @8646 has 580 MA's), (Start: 110 @8676 has 2 MA's), (121, 8703), (160, 8808), (202, 8922), (221, 8988), (244, 9045), (278, 9123), (279, 9126), (394, 9267), (432, 9378), (434, 9384), (440, 9405), (507, 9570), (545, 9696), (558, 9750), (559, 9756), (564, 9771), (580, 9807), (604, 9894), (613, 9924), (620, 9954), (645, 9999), (652, 10008),

Gene: Auspice_15 Start: 6260, Stop: 7882, Start Num: 48

Candidate Starts for Auspice_15:

(Start: 48 @6260 has 21 MA's), (56, 6275), (124, 6383), (130, 6401), (147, 6449), (162, 6482), (169, 6494), (177, 6518), (183, 6545), (185, 6551), (210, 6623), (211, 6629), (220, 6659), (248, 6740), (253, 6746), (254, 6749), (263, 6767), (385, 6923), (394, 6941), (399, 6953), (420, 7001), (436, 7058), (437, 7061), (465, 7130), (495, 7184), (504, 7220), (518, 7271), (520, 7274), (532, 7304), (536, 7313), (552, 7379), (553, 7382), (557, 7403), (558, 7406), (578, 7457), (601, 7544), (646, 7655), (663, 7685), (681, 7721), (684, 7727), (691, 7742), (697, 7754), (714, 7838),

Gene: Auxilium_4 Start: 2263, Stop: 3612, Start Num: 93

Candidate Starts for Auxilium_4:

(39, 2152), (41, 2155), (52, 2197), (60, 2209), (Start: 93 @2263 has 3 MA's), (Start: 108 @2275 has 17 MA's), (127, 2323), (150, 2386), (156, 2398), (254, 2656), (278, 2713), (311, 2761), (386, 2848), (390, 2857), (404, 2884), (430, 2965), (434, 2977), (435, 2980), (441, 3004), (509, 3172), (525, 3226), (545, 3289), (548, 3298), (560, 3352), (576, 3391), (593, 3457), (620, 3538), (627, 3547), (657, 3598),

Gene: AvadaKedavra_5 Start: 2625, Stop: 4298, Start Num: 74

Candidate Starts for AvadaKedavra_5:

(Start: 74 @2625 has 580 MA's), (121, 2688), (137, 2742), (147, 2766), (178, 2835), (183, 2859), (210, 2937), (220, 2973), (265, 3066), (267, 3069), (318, 3144), (341, 3183), (394, 3246), (406, 3273), (407,

3276), (418, 3297), (424, 3318), (435, 3360), (436, 3363), (485, 3465), (490, 3480), (492, 3486), (513, 3567), (521, 3594), (522, 3600), (551, 3693), (557, 3720), (559, 3729), (582, 3783), (586, 3804), (591, 3825), (598, 3852), (601, 3861), (617, 3921), (633, 3951), (638, 3960), (697, 4068), (718, 4263),

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

Candidate Starts for AvatarAhPeg_12:

(Start: 74 @8542 has 580 MA's), (156, 8692), (160, 8704), (169, 8716), (211, 8851), (217, 8872), (224, 8902), (244, 8941), (253, 8959), (278, 9019), (385, 9148), (394, 9166), (399, 9178), (432, 9277), (434, 9283), (440, 9304), (441, 9310), (475, 9379), (507, 9484), (525, 9547), (545, 9610), (546, 9613), (558, 9664), (559, 9670), (564, 9685), (575, 9715), (602, 9805), (613, 9841), (620, 9871), (633, 9901), (699, 9982),

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

Candidate Starts for Avle17_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Awesomesauce_4 Start: 2202, Stop: 3623, Start Num: 101

Candidate Starts for Awesomesauce_4:

(Start: 101 @2202 has 52 MA's), (116, 2229), (121, 2241), (172, 2370), (177, 2388), (179, 2394), (185, 2421), (210, 2490), (220, 2526), (224, 2547), (226, 2553), (253, 2577), (254, 2580), (267, 2607), (285, 2655), (289, 2661), (308, 2688), (319, 2706), (367, 2799), (378, 2817), (394, 2850), (398, 2859), (399, 2862), (420, 2910), (423, 2919), (430, 2949), (436, 2967), (444, 3000), (490, 3057), (512, 3141), (517, 3159), (525, 3186), (532, 3198), (534, 3201), (536, 3207), (537, 3222), (548, 3255), (582, 3360), (601, 3435), (603, 3441), (606, 3450), (608, 3459), (612, 3471), (638, 3534), (666, 3582),

Gene: Aziz_19 Start: 6859, Stop: 8460, Start Num: 48

Candidate Starts for Aziz_19:

(Start: 48 @6859 has 21 MA's), (147, 7048), (169, 7093), (177, 7117), (183, 7144), (185, 7150), (210, 7222), (211, 7228), (219, 7255), (220, 7258), (253, 7321), (254, 7324), (263, 7342), (338, 7459), (394, 7516), (420, 7576), (423, 7585), (435, 7630), (436, 7633), (437, 7636), (495, 7759), (504, 7795), (518, 7846), (520, 7849), (524, 7867), (532, 7879), (536, 7888), (552, 7954), (553, 7957), (558, 7981), (588, 8071), (601, 8119), (646, 8230), (684, 8302),

Gene: Azrael100_26 Start: 9734, Stop: 11173, Start Num: 79

Candidate Starts for Azrael100_26:

(57, 9701), (73, 9725), (Start: 79 @9734 has 5 MA's), (114, 9785), (121, 9797), (125, 9809), (175, 9941), (177, 9947), (178, 9950), (179, 9953), (183, 9974), (185, 9980), (209, 10040), (210, 10049), (215, 10070), (247, 10148), (385, 10328), (399, 10358), (407, 10376), (415, 10391), (424, 10418), (432, 10451), (436, 10463), (437, 10466), (449, 10511), (482, 10547), (490, 10568), (506, 10631), (521, 10682), (545, 10754), (558, 10808), (560, 10817), (588, 10898), (594, 10928), (608, 10970), (615, 10997), (640, 11048), (646, 11057), (684, 11114), (700, 11153),

Gene: B1_10 Start: 7830, Stop: 9296, Start Num: 76

Candidate Starts for B1_10:

(Start: 76 @7830 has 71 MA's), (112, 7875), (160, 8001), (189, 8085), (211, 8148), (221, 8181), (224, 8199), (244, 8238), (256, 8265), (390, 8454), (426, 8544), (431, 8568), (432, 8571), (434, 8577), (440, 8598), (441, 8604), (507, 8775), (545, 8901), (546, 8904), (558, 8955), (559, 8961), (564, 8976), (575, 9006), (613, 9132), (620, 9162), (635, 9192),

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

Candidate Starts for BABullseye_16:

(Start: 74 @9274 has 580 MA's), (94, 9295), (121, 9334), (152, 9421), (157, 9433), (160, 9439), (265, 9721), (408, 9934), (426, 9985), (432, 10012), (434, 10018), (440, 10039), (564, 10405), (575, 10432), (580, 10441), (593, 10501), (613, 10558), (620, 10588), (633, 10618), (653, 10645),

Gene: BEEST_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for BEEST_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (612, 4411), (624, 4447),

Gene: BGIlluviae_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for BGIlluviae_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: BK1_10 Start: 8266, Stop: 9708, Start Num: 109

Candidate Starts for BK1_10:

(64, 8200), (Start: 109 @8266 has 196 MA's), (183, 8464), (265, 8677), (394, 8872), (399, 8884), (432, 8983), (509, 9178), (521, 9217), (545, 9295), (547, 9301), (558, 9349), (561, 9361), (564, 9370), (592, 9460), (620, 9550), (635, 9583), (644, 9595),

Gene: BPBiebs31_13 Start: 8938, Stop: 10380, Start Num: 109

Candidate Starts for BPBiebs31_13:

(64, 8872), (Start: 109 @8938 has 196 MA's), (183, 9136), (265, 9349), (394, 9544), (395, 9547), (432, 9655), (453, 9727), (509, 9850), (521, 9889), (545, 9967), (547, 9973), (558, 10021), (561, 10033), (564, 10042), (592, 10132), (620, 10222), (635, 10255), (644, 10267),

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

Candidate Starts for Baby16_12:

(Start: 74 @8587 has 580 MA's), (156, 8734), (160, 8746), (217, 8914), (224, 8944), (244, 8983), (253, 9001), (278, 9061), (385, 9190), (394, 9208), (432, 9319), (434, 9325), (440, 9346), (441, 9352), (475, 9421), (497, 9481), (507, 9526), (545, 9652), (546, 9655), (558, 9706), (559, 9712), (564, 9727), (575, 9757), (602, 9847), (613, 9883), (615, 9895), (620, 9913), (633, 9943),

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

Candidate Starts for BabyBack_15:

(Start: 74 @10867 has 580 MA's), (94, 10888), (121, 10927), (160, 11032), (265, 11314), (330, 11419), (399, 11506), (426, 11578), (432, 11605), (434, 11611), (440, 11632), (558, 11977), (564, 11998), (575, 12025), (580, 12034), (594, 12100), (613, 12151), (620, 12181), (633, 12211), (651, 12235),

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

Candidate Starts for BabyRay_12:

(Start: 74 @8427 has 580 MA's), (160, 8592), (211, 8739), (221, 8772), (224, 8790), (256, 8856), (326, 8973), (390, 9045), (394, 9051), (426, 9135), (431, 9159), (432, 9162), (434, 9168), (440, 9189), (441,

9195), (475, 9261), (507, 9366), (546, 9495), (558, 9546), (559, 9552), (564, 9567), (613, 9723), (620, 9753), (635, 9783),

Gene: Bachita_33 Start: 10874, Stop: 12490, Start Num: 62

Candidate Starts for Bachita_33:

(Start: 62 @10874 has 16 MA's), (Start: 97 @10925 has 14 MA's), (104, 10934), (Start: 128 @10994 has 1 MA's), (148, 11051), (166, 11087), (181, 11132), (187, 11159), (265, 11363), (276, 11393), (296, 11429), (331, 11474), (345, 11483), (352, 11498), (421, 11636), (422, 11639), (427, 11657), (428, 11663), (440, 11705), (494, 11897), (515, 11984), (524, 12014), (539, 12059), (553, 12107), (555, 12122), (582, 12185), (587, 12209), (588, 12215), (590, 12224), (612, 12293), (629, 12344), (631, 12347), (638, 12359),

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

Candidate Starts for Bachome_13:

(Start: 74 @9781 has 580 MA's), (116, 9826), (121, 9841), (160, 9946), (265, 10228), (278, 10261), (399, 10417), (426, 10489), (432, 10516), (434, 10522), (440, 10543), (455, 10594), (551, 10858), (558, 10888), (564, 10909), (569, 10924), (575, 10936), (580, 10945), (604, 11032), (613, 11062), (620, 11092), (633, 11122), (679, 11188),

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

Candidate Starts for Backyardigan_12:

(Start: 74 @8587 has 580 MA's), (156, 8737), (160, 8749), (211, 8896), (217, 8917), (224, 8947), (244, 8986), (253, 9004), (278, 9064), (385, 9193), (394, 9211), (399, 9223), (411, 9247), (432, 9322), (434, 9328), (440, 9349), (441, 9355), (497, 9484), (507, 9529), (545, 9655), (546, 9658), (558, 9709), (564, 9730), (575, 9757), (602, 9847), (613, 9883), (615, 9895), (620, 9913), (633, 9943),

Gene: BaconJack_14 Start: 8717, Stop: 10159, Start Num: 109

Candidate Starts for BaconJack_14:

(64, 8651), (Start: 109 @8717 has 196 MA's), (183, 8915), (265, 9128), (394, 9323), (395, 9326), (432, 9434), (453, 9506), (509, 9629), (521, 9668), (545, 9746), (547, 9752), (558, 9800), (561, 9812), (564, 9821), (592, 9911), (620, 10001), (635, 10034), (644, 10046),

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

Candidate Starts for Bactobuster_14:

(Start: 74 @10971 has 580 MA's), (121, 11031), (160, 11136), (202, 11250), (229, 11346), (265, 11418), (399, 11607), (426, 11679), (432, 11706), (434, 11712), (440, 11733), (455, 11784), (558, 12078), (563, 12096), (575, 12126), (580, 12135), (593, 12195), (604, 12222), (613, 12252), (620, 12282), (633, 12312), (651, 12336),

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

Candidate Starts for Badger_12:

(Start: 74 @8576 has 580 MA's), (156, 8726), (160, 8738), (211, 8885), (217, 8906), (224, 8936), (244, 8975), (253, 8993), (278, 9053), (385, 9182), (394, 9200), (399, 9212), (411, 9236), (432, 9311), (434, 9317), (440, 9338), (441, 9344), (497, 9473), (507, 9518), (545, 9644), (546, 9647), (558, 9698), (564, 9719), (575, 9746), (602, 9836), (613, 9872), (615, 9884), (620, 9902), (633, 9932),

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

Candidate Starts for Baehexic_14:

(Start: 74 @9728 has 580 MA's), (121, 9788), (156, 9881), (160, 9893), (265, 10175), (278, 10208), (395, 10355), (426, 10436), (432, 10463), (434, 10469), (440, 10490), (525, 10718), (558, 10835), (564, 10856), (575, 10883), (580, 10892), (613, 11009), (620, 11039), (633, 11069), (651, 11093),

Gene: BaghaKamala_9 Start: 2999, Stop: 4555, Start Num: 47

Candidate Starts for BaghaKamala_9:

(33, 2897), (Start: 42 @2984 has 24 MA's), (Start: 47 @2999 has 130 MA's), (117, 3098), (121, 3107), (143, 3179), (Start: 149 @3188 has 2 MA's), (158, 3212), (174, 3245), (177, 3254), (185, 3287), (210, 3356), (215, 3377), (226, 3419), (269, 3485), (274, 3500), (317, 3575), (326, 3596), (357, 3650), (415, 3770), (426, 3803), (430, 3824), (437, 3845), (444, 3875), (482, 3908), (489, 3926), (504, 3986), (508, 4004), (512, 4016), (513, 4019), (516, 4031), (517, 4034), (534, 4070), (546, 4118), (558, 4169), (563, 4187), (593, 4283), (601, 4304), (609, 4331), (612, 4340), (624, 4376), (652, 4430),

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

Candidate Starts for BangNhom_11:

(Start: 74 @8555 has 580 MA's), (160, 8714), (217, 8882), (224, 8912), (244, 8951), (253, 8969), (278, 9029), (385, 9158), (394, 9176), (432, 9287), (434, 9293), (440, 9314), (441, 9320), (475, 9389), (497, 9449), (545, 9620), (546, 9623), (558, 9674), (559, 9680), (564, 9695), (575, 9725), (602, 9815), (613, 9851), (615, 9863), (620, 9881), (633, 9911),

Gene: Bantam_13 Start: 7834, Stop: 9393, Start Num: 61

Candidate Starts for Bantam_13:

(Start: 61 @7834 has 5 MA's), (166, 8050), (181, 8095), (212, 8200), (265, 8299), (267, 8302), (276, 8329), (323, 8398), (409, 8533), (421, 8566), (422, 8569), (428, 8593), (474, 8764), (499, 8839), (513, 8902), (524, 8941), (540, 8989), (548, 9013), (563, 9076), (589, 9148), (592, 9163), (612, 9220), (623, 9259), (629, 9271), (631, 9274), (640, 9289), (646, 9298),

Gene: Baoshan_4 Start: 2470, Stop: 4125, Start Num: 74

Candidate Starts for Baoshan_4:

(Start: 74 @2470 has 580 MA's), (121, 2533), (147, 2611), (178, 2680), (183, 2704), (185, 2710), (210, 2782), (220, 2818), (226, 2845), (257, 2896), (318, 2989), (341, 3028), (390, 3085), (394, 3091), (399, 3103), (404, 3112), (406, 3118), (407, 3121), (418, 3142), (424, 3163), (426, 3169), (436, 3208), (483, 3304), (492, 3331), (521, 3439), (522, 3445), (551, 3538), (557, 3565), (582, 3628), (586, 3649), (591, 3670), (598, 3697), (601, 3706), (617, 3766), (633, 3796), (638, 3805), (642, 3811), (691, 3901), (697, 3913), (705, 3946), (713, 3985), (718, 4090),

Gene: Barnstormer_3 Start: 2379, Stop: 3758, Start Num: 99

Candidate Starts for Barnstormer_3:

(3, 1500), (4, 1521), (12, 1644), (21, 1959), (Start: 99 @2379 has 43 MA's), (Start: 149 @2499 has 2 MA's), (438, 3087), (532, 3348), (536, 3357), (582, 3504), (588, 3534), (609, 3609),

Gene: BarrelRoll_9 Start: 3020, Stop: 4573, Start Num: 47

Candidate Starts for BarrelRoll_9:

(33, 2918), (Start: 42 @3005 has 24 MA's), (Start: 47 @3020 has 130 MA's), (117, 3119), (121, 3128), (143, 3200), (Start: 149 @3209 has 2 MA's), (158, 3233), (174, 3266), (177, 3275), (185, 3308), (210, 3377), (215, 3398), (226, 3440), (269, 3506), (274, 3521), (317, 3596), (326, 3617), (357, 3671), (415, 3791), (426, 3824), (430, 3845), (437, 3866), (444, 3896), (482, 3929), (489, 3947), (504, 4007), (508, 4025), (512, 4037), (513, 4040), (516, 4052), (517, 4055), (534, 4091), (546, 4139), (558, 4190), (563, 4208), (593, 4304), (601, 4325), (609, 4352), (612, 4361), (624, 4397),

Gene: Barriga_12 Start: 8542, Stop: 9984, Start Num: 109

Candidate Starts for Barriga_12:

(64, 8476), (Start: 109 @8542 has 196 MA's), (183, 8740), (265, 8953), (394, 9148), (432, 9259), (453, 9331), (509, 9454), (521, 9493), (545, 9571), (547, 9577), (558, 9625), (561, 9637), (564, 9646), (592, 9736), (620, 9826), (635, 9859), (644, 9871),

Gene: BarryBee_9 Start: 4055, Stop: 5491, Start Num: 102

Candidate Starts for BarryBee_9:

(Start: 96 @4049 has 4 MA's), (Start: 102 @4055 has 236 MA's), (117, 4079), (125, 4103), (Start: 149 @4172 has 2 MA's), (172, 4220), (175, 4232), (185, 4271), (228, 4424), (298, 4538), (326, 4580), (341, 4607), (369, 4640), (373, 4646), (419, 4736), (423, 4748), (443, 4823), (448, 4841), (483, 4919), (498, 4964), (511, 5021), (578, 5234), (585, 5258), (622, 5390), (661, 5456), (681, 5477),

Gene: BartholomewSD_9 Start: 4026, Stop: 5492, Start Num: 102

Candidate Starts for BartholomewSD_9:

(Start: 102 @4026 has 236 MA's), (Start: 149 @4137 has 2 MA's), (172, 4185), (175, 4197), (185, 4236), (210, 4326), (298, 4497), (300, 4500), (319, 4521), (326, 4539), (341, 4566), (419, 4692), (423, 4704), (443, 4779), (448, 4797), (454, 4815), (457, 4824), (477, 4905), (498, 4962), (509, 5013), (511, 5019), (527, 5070), (563, 5199), (585, 5256), (609, 5346), (612, 5355), (670, 5460), (681, 5478),

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

Candidate Starts for Bartimeaus_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Batiatus_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Batiatus_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (525, 3242), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

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

Candidate Starts for Battleship_16:

(Start: 74 @8502 has 580 MA's), (121, 8562), (160, 8667), (184, 8733), (248, 8916), (265, 8949), (278, 8982), (426, 9213), (432, 9240), (434, 9246), (440, 9267), (445, 9288), (455, 9318), (479, 9342), (507, 9432), (515, 9462), (545, 9558), (552, 9585), (558, 9612), (563, 9630), (564, 9633), (575, 9666), (580, 9675), (613, 9792), (620, 9822), (651, 9876),

Gene: Baudelaire_5 Start: 2394, Stop: 3842, Start Num: 65

Candidate Starts for Baudelaire_5:

(Start: 58 @2379 has 1 MA's), (Start: 65 @2394 has 2 MA's), (82, 2415), (86, 2421), (132, 2505), (163, 2586), (169, 2595), (175, 2613), (177, 2619), (178, 2622), (185, 2652), (208, 2712), (210, 2724), (215, 2745), (220, 2760), (225, 2784), (233, 2805), (254, 2829), (295, 2904), (298, 2910), (318, 2931), (341, 2970), (383, 3006), (394, 3027), (404, 3048), (406, 3054), (407, 3057), (411, 3063), (434, 3138), (451, 3198), (515, 3354), (521, 3372), (524, 3384), (525, 3387), (532, 3399), (536, 3408), (537, 3423), (551, 3471), (558, 3501), (559, 3507), (598, 3630), (599, 3633), (601, 3639), (609, 3666), (615, 3690), (617, 3699), (625, 3714), (633, 3729), (636, 3735), (638, 3738), (640, 3741),

Gene: Bazzle_5 Start: 2579, Stop: 4234, Start Num: 74

Candidate Starts for Bazzle_5:

(Start: 74 @2579 has 580 MA's), (121, 2642), (126, 2657), (132, 2675), (147, 2720), (178, 2789), (183, 2813), (185, 2819), (210, 2891), (220, 2927), (226, 2954), (257, 3005), (318, 3098), (341, 3137), (390, 3194), (394, 3200), (399, 3212), (404, 3221), (406, 3227), (407, 3230), (418, 3251), (424, 3272), (426, 3278), (436, 3317), (451, 3371), (492, 3440), (521, 3548), (522, 3554), (551, 3647), (557, 3674), (582, 3737), (586, 3758), (591, 3779), (598, 3806), (601, 3815), (617, 3875), (633, 3905), (638, 3914), (642,

3920), (691, 4010), (697, 4022), (705, 4055), (713, 4094), (718, 4199),

Gene: Beakin_4 Start: 2199, Stop: 3623, Start Num: 101

Candidate Starts for Beakin_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3057), (512, 3141), (517, 3159), (525, 3186), (532, 3198), (534, 3201), (536, 3207), (537, 3222), (548, 3255), (582, 3360), (601, 3435), (603, 3441), (606, 3450), (608, 3459), (612, 3471), (638, 3534), (666, 3582),

Gene: BeardedLady_8 Start: 4328, Stop: 5770, Start Num: 102

Candidate Starts for BeardedLady_8:

(Start: 93 @4319 has 3 MA's), (Start: 96 @4322 has 4 MA's), (Start: 102 @4328 has 236 MA's), (Start: 149 @4445 has 2 MA's), (172, 4493), (298, 4811), (326, 4853), (341, 4880), (369, 4913), (419, 5006), (423, 5018), (448, 5111), (483, 5189), (498, 5234), (511, 5291), (518, 5315), (585, 5528), (681, 5756),

Gene: Beatrix_11 Start: 9382, Stop: 10824, Start Num: 109

Candidate Starts for Beatrix_11:

(64, 9316), (Start: 109 @9382 has 196 MA's), (183, 9580), (265, 9793), (394, 9988), (399, 10000), (432, 10099), (509, 10294), (521, 10333), (545, 10411), (547, 10417), (558, 10465), (561, 10477), (564, 10486), (592, 10576), (620, 10666), (635, 10699), (644, 10711),

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

Candidate Starts for Beauxregard13_14:

(Start: 74 @8654 has 580 MA's), (Start: 110 @8684 has 2 MA's), (121, 8711), (160, 8816), (202, 8930), (221, 8996), (244, 9053), (278, 9131), (279, 9134), (394, 9275), (432, 9386), (434, 9392), (440, 9413), (507, 9578), (545, 9704), (558, 9758), (559, 9764), (564, 9779), (580, 9815), (604, 9902), (613, 9932), (620, 9962), (645, 10007), (652, 10016),

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

Candidate Starts for Beemo_14:

(Start: 74 @9927 has 580 MA's), (121, 9990), (160, 10095), (185, 10164), (229, 10305), (248, 10344), (265, 10377), (278, 10410), (288, 10431), (394, 10554), (411, 10590), (415, 10599), (426, 10638), (432, 10665), (434, 10671), (440, 10692), (455, 10743), (479, 10767), (487, 10782), (558, 11037), (563, 11055), (575, 11085), (576, 11088), (580, 11094), (611, 11205), (613, 11211), (620, 11241), (645, 11286), (651, 11295),

Gene: BeesKnees_13 Start: 8740, Stop: 10182, Start Num: 109

Candidate Starts for BeesKnees_13:

(64, 8674), (Start: 109 @8740 has 196 MA's), (183, 8938), (265, 9151), (394, 9346), (399, 9358), (432, 9457), (453, 9529), (509, 9652), (521, 9691), (545, 9769), (547, 9775), (558, 9823), (561, 9835), (564, 9844), (580, 9877), (592, 9934), (620, 10024), (635, 10057), (644, 10069),

Gene: Beezoo_9 Start: 3049, Stop: 4605, Start Num: 47

Candidate Starts for Beezoo_9:

(33, 2947), (Start: 42 @3034 has 24 MA's), (Start: 47 @3049 has 130 MA's), (117, 3148), (121, 3157), (143, 3229), (Start: 149 @3238 has 2 MA's), (158, 3262), (169, 3280), (174, 3295), (177, 3304), (185, 3337), (210, 3406), (215, 3427), (226, 3469), (269, 3535), (317, 3625), (326, 3646), (357, 3700), (415, 3820), (426, 3853), (430, 3874), (437, 3895), (444, 3925), (482, 3958), (489, 3976), (504, 4036), (508, 4054), (512, 4066), (513, 4069), (516, 4081), (517, 4084), (534, 4120), (546, 4168), (558, 4219), (563, 4237), (593, 4333), (601, 4354), (609, 4381), (612, 4390), (624, 4426),

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

Candidate Starts for Belenaria_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Bella96_9 Start: 2978, Stop: 4525, Start Num: 47

Candidate Starts for Bella96_9:

(33, 2876), (Start: 42 @2963 has 24 MA's), (Start: 47 @2978 has 130 MA's), (117, 3074), (121, 3083), (124, 3092), (143, 3155), (Start: 149 @3164 has 2 MA's), (158, 3188), (174, 3221), (185, 3263), (210, 3332), (215, 3353), (224, 3389), (269, 3458), (273, 3470), (317, 3548), (326, 3569), (342, 3599), (357, 3623), (415, 3743), (426, 3776), (430, 3797), (437, 3818), (444, 3848), (482, 3881), (489, 3899), (508, 3977), (512, 3989), (513, 3992), (516, 4004), (517, 4007), (534, 4043), (546, 4091), (558, 4142), (563, 4160), (593, 4256), (601, 4277), (609, 4304), (612, 4313), (652, 4403),

Gene: Belladonna_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Belladonna_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Bellis_6 Start: 2752, Stop: 4395, Start Num: 74

Candidate Starts for Bellis_6:

(Start: 74 @2752 has 580 MA's), (118, 2812), (178, 2962), (185, 2992), (210, 3064), (228, 3130), (257, 3178), (318, 3271), (341, 3310), (390, 3367), (394, 3373), (406, 3400), (411, 3409), (418, 3424), (492, 3613), (502, 3646), (510, 3685), (522, 3727), (582, 3910), (591, 3952), (598, 3979), (601, 3988), (617, 4048), (633, 4078), (638, 4087), (681, 4162), (697, 4195),

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

Candidate Starts for BellusTerra_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: BenchScraper_4 Start: 2275, Stop: 3612, Start Num: 108

Candidate Starts for BenchScraper_4:

(39, 2152), (41, 2155), (52, 2197), (60, 2209), (Start: 93 @2263 has 3 MA's), (Start: 108 @2275 has 17 MA's), (127, 2323), (150, 2386), (156, 2398), (254, 2656), (278, 2713), (311, 2761), (386, 2848), (390, 2857), (404, 2884), (430, 2965), (434, 2977), (435, 2980), (441, 3004), (454, 3046), (509, 3172), (525, 3226), (545, 3289), (548, 3298), (560, 3352), (576, 3391), (593, 3457), (620, 3538), (627, 3547), (657, 3598),

Gene: Benedict_10 Start: 7766, Stop: 9199, Start Num: 76

Candidate Starts for Benedict_10:

(Start: 76 @7766 has 71 MA's), (152, 7895), (173, 7934), (177, 7949), (229, 8123), (244, 8150), (344, 8309), (395, 8375), (398, 8381), (399, 8384), (426, 8456), (434, 8489), (440, 8510), (444, 8528), (448, 8540), (545, 8801), (558, 8855), (563, 8873), (580, 8912), (613, 9029), (620, 9059), (633, 9089), (645, 9104), (652, 9113),

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

Candidate Starts for BengiVuitton_14:

(Start: 74 @9652 has 580 MA's), (121, 9712), (160, 9817), (256, 10081), (265, 10099), (278, 10132), (374, 10243), (432, 10387), (434, 10393), (440, 10414), (441, 10420), (455, 10465), (515, 10609), (544, 10702), (551, 10729), (558, 10759), (563, 10777), (564, 10780), (575, 10807), (580, 10816), (613, 10933), (616, 10948), (620, 10963), (633, 10993), (651, 11017),

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

Candidate Starts for Benvolio_13:

(Start: 74 @9325 has 580 MA's), (121, 9385), (160, 9490), (256, 9754), (265, 9772), (278, 9805), (280, 9811), (432, 10060), (434, 10066), (440, 10087), (441, 10093), (455, 10138), (515, 10282), (545, 10378), (558, 10432), (563, 10450), (564, 10453), (575, 10480), (580, 10489), (613, 10606), (616, 10621), (620, 10636), (633, 10666), (651, 10690),

Gene: Berrie_3 Start: 2262, Stop: 3638, Start Num: 99

Candidate Starts for Berrie_3:

(20, 1836), (34, 2082), (Start: 99 @2262 has 43 MA's), (Start: 149 @2382 has 2 MA's), (185, 2481), (310, 2745), (449, 3018), (515, 3177), (534, 3225), (540, 3255), (548, 3279), (598, 3453), (601, 3462), (647, 3573),

Gene: Bethlehem_12 Start: 9968, Stop: 11410, Start Num: 109

Candidate Starts for Bethlehem_12:

(64, 9902), (Start: 109 @9968 has 196 MA's), (183, 10166), (265, 10379), (394, 10574), (399, 10586), (432, 10685), (453, 10757), (509, 10880), (521, 10919), (545, 10997), (547, 11003), (558, 11051), (561, 11063), (564, 11072), (580, 11105), (592, 11162), (620, 11252), (635, 11285), (644, 11297),

Gene: Bexan_11 Start: 9382, Stop: 10824, Start Num: 109

Candidate Starts for Bexan_11:

(64, 9316), (Start: 109 @9382 has 196 MA's), (183, 9580), (265, 9793), (394, 9988), (399, 10000), (432, 10099), (509, 10294), (521, 10333), (545, 10411), (547, 10417), (558, 10465), (561, 10477), (564, 10486), (592, 10576), (620, 10666), (635, 10699), (644, 10711),

Gene: BiPauneto_28 Start: 13790, Stop: 15412, Start Num: 44

Candidate Starts for BiPauneto_28:

(Start: 44 @13790 has 6 MA's), (Start: 71 @13835 has 30 MA's), (89, 13859), (94, 13868), (371, 14474), (397, 14519), (441, 14651), (450, 14681), (486, 14762), (509, 14858), (518, 14888), (522, 14903), (558, 15026), (560, 15035), (575, 15071), (584, 15095), (601, 15161), (607, 15179), (609, 15188), (621, 15233),

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

Candidate Starts for BiancaTri92_15:

(Start: 74 @11002 has 580 MA's), (121, 11062), (160, 11167), (224, 11365), (265, 11449), (278, 11482), (426, 11710), (432, 11737), (434, 11743), (440, 11764), (455, 11815), (558, 12109), (563, 12127), (564, 12130), (575, 12157), (580, 12166), (613, 12283), (620, 12313), (633, 12343), (651, 12367),

Gene: Big3_12 Start: 9325, Stop: 10767, Start Num: 109

Candidate Starts for Big3_12:

(64, 9259), (Start: 109 @9325 has 196 MA's), (183, 9523), (265, 9736), (394, 9931), (395, 9934), (432, 10042), (509, 10237), (521, 10276), (545, 10354), (547, 10360), (558, 10408), (561, 10420), (564, 10429), (592, 10519), (620, 10609), (635, 10642), (644, 10654),

Gene: BigCheese_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for BigCheese_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: BigMau_14 Start: 8906, Stop: 10348, Start Num: 109

Candidate Starts for BigMau_14:

(64, 8840), (Start: 109 @8906 has 196 MA's), (183, 9104), (265, 9317), (394, 9512), (395, 9515), (432, 9623), (453, 9695), (509, 9818), (521, 9857), (545, 9935), (547, 9941), (558, 9989), (561, 10001), (564, 10010), (592, 10100), (620, 10190), (635, 10223), (644, 10235),

Gene: BigPaolini_13 Start: 9331, Stop: 10773, Start Num: 109

Candidate Starts for BigPaolini_13:

(64, 9265), (Start: 109 @9331 has 196 MA's), (183, 9529), (265, 9742), (394, 9937), (399, 9949), (432, 10048), (509, 10243), (521, 10282), (545, 10360), (547, 10366), (558, 10414), (561, 10426), (564, 10435), (580, 10468), (620, 10615), (635, 10648), (644, 10660),

Gene: BigPhil_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for BigPhil_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Bigfoot_11 Start: 8430, Stop: 9872, Start Num: 109

Candidate Starts for Bigfoot_11:

(64, 8364), (Start: 109 @8430 has 196 MA's), (183, 8628), (265, 8841), (394, 9036), (399, 9048), (432, 9147), (509, 9342), (521, 9381), (545, 9459), (547, 9465), (558, 9513), (561, 9525), (564, 9534), (592, 9624), (620, 9714), (635, 9747), (644, 9759),

Gene: Biglebops_5 Start: 2283, Stop: 3839, Start Num: 47

Candidate Starts for Biglebops_5:

(32, 2157), (33, 2178), (Start: 42 @2268 has 24 MA's), (Start: 47 @2283 has 130 MA's), (104, 2352), (113, 2367), (121, 2388), (Start: 149 @2469 has 2 MA's), (158, 2493), (174, 2526), (183, 2562), (210, 2637), (215, 2658), (220, 2673), (274, 2778), (312, 2844), (326, 2874), (354, 2928), (376, 2970), (394, 3006), (399, 3018), (415, 3051), (426, 3084), (437, 3126), (444, 3156), (482, 3189), (489, 3207), (490, 3213), (504, 3267), (508, 3285), (512, 3297), (516, 3312), (517, 3315), (530, 3348), (557, 3447), (558, 3450), (563, 3468), (582, 3510), (592, 3561), (593, 3564), (601, 3585), (608, 3609), (609, 3612), (612, 3621), (624, 3657), (628, 3672), (640, 3693),

Gene: BillKnuckles_13 Start: 9350, Stop: 10816, Start Num: 76

Candidate Starts for BillKnuckles_13:

(Start: 76 @9350 has 71 MA's), (160, 9500), (229, 9740), (256, 9794), (270, 9824), (278, 9845), (344, 9926), (394, 9989), (432, 10100), (434, 10106), (440, 10127), (479, 10202), (487, 10217), (525, 10358), (558, 10475), (563, 10493), (580, 10532), (613, 10649), (620, 10679), (627, 10691),

Gene: BillyTP_4 Start: 2275, Stop: 3606, Start Num: 108

Candidate Starts for BillyTP_4:

(Start: 93 @2263 has 3 MA's), (Start: 108 @2275 has 17 MA's), (112, 2284), (150, 2386), (156, 2398), (206, 2539), (217, 2584), (222, 2599), (226, 2620), (256, 2656), (265, 2674), (311, 2755), (345, 2800), (404, 2878), (430, 2959), (434, 2971), (435, 2974), (441, 2998), (454, 3040), (505, 3151), (509, 3166), (519, 3196), (548, 3292), (604, 3472), (620, 3532), (622, 3535), (627, 3541), (657, 3592),

Gene: Bipolar_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Bipolar_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Bircsak_12 Start: 8891, Stop: 10333, Start Num: 109

Candidate Starts for Bircsak_12:

(64, 8825), (Start: 109 @8891 has 196 MA's), (183, 9089), (265, 9302), (394, 9497), (399, 9509), (432, 9608), (509, 9803), (521, 9842), (545, 9920), (547, 9926), (557, 9971), (558, 9974), (561, 9986), (564, 9995), (592, 10085), (620, 10175), (635, 10208), (644, 10220),

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

Candidate Starts for Blackmoor_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Blexus_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Blexus_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (642, 3593),

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

Candidate Starts for Blinn1_16:

(Start: 74 @9317 has 580 MA's), (94, 9338), (121, 9377), (152, 9464), (157, 9476), (160, 9482), (265, 9764), (408, 9977), (426, 10028), (432, 10055), (434, 10061), (440, 10082), (564, 10448), (575, 10475), (580, 10484), (593, 10544), (613, 10601), (620, 10631), (633, 10661), (651, 10685), (653, 10688),

Gene: Blizzard_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Blizzard_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: BluSpix_12 Start: 8690, Stop: 10132, Start Num: 109

Candidate Starts for BluSpix_12:

(64, 8624), (Start: 109 @8690 has 196 MA's), (183, 8888), (265, 9101), (394, 9296), (432, 9407), (453, 9479), (509, 9602), (521, 9641), (545, 9719), (547, 9725), (558, 9773), (561, 9785), (564, 9794), (592, 9884), (620, 9974), (635, 10007), (644, 10019),

Gene: Blue_12 Start: 8797, Stop: 10239, Start Num: 109

Candidate Starts for Blue_12:

(64, 8731), (Start: 109 @8797 has 196 MA's), (183, 8995), (265, 9208), (394, 9403), (399, 9415), (432, 9514), (453, 9586), (509, 9709), (521, 9748), (545, 9826), (547, 9832), (558, 9880), (561, 9892), (564, 9901), (592, 9991), (620, 10081), (635, 10114), (644, 10126),

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

Candidate Starts for Blue7_16:

(Start: 74 @9258 has 580 MA's), (94, 9279), (121, 9318), (152, 9405), (157, 9417), (160, 9423), (265, 9705), (288, 9759), (408, 9918), (426, 9969), (432, 9996), (434, 10002), (440, 10023), (521, 10236), (564, 10389), (569, 10404), (575, 10416), (580, 10425), (594, 10491), (604, 10512), (613, 10542), (620, 10572), (633, 10602),

Gene: BlueBird_13 Start: 8193, Stop: 9659, Start Num: 76

Candidate Starts for BlueBird_13:

(Start: 76 @8193 has 71 MA's), (160, 8364), (189, 8448), (211, 8511), (221, 8544), (224, 8562), (244, 8601), (256, 8628), (277, 8676), (390, 8817), (395, 8826), (426, 8907), (431, 8931), (432, 8934), (434, 8940), (439, 8958), (440, 8961), (441, 8967), (507, 9138), (545, 9264), (546, 9267), (558, 9318), (559, 9324), (564, 9339), (575, 9369), (613, 9495), (620, 9525), (635, 9555),

Gene: BlueCrab_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for BlueCrab_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Bluefalcon_9 Start: 8017, Stop: 9450, Start Num: 76

Candidate Starts for Bluefalcon_9:

(Start: 76 @8017 has 71 MA's), (152, 8146), (156, 8152), (185, 8233), (229, 8374), (244, 8401), (278, 8479), (344, 8560), (394, 8623), (395, 8626), (398, 8632), (399, 8635), (426, 8707), (434, 8740), (440, 8761), (448, 8791), (545, 9052), (558, 9106), (563, 9124), (580, 9163), (613, 9280), (620, 9310), (645, 9355), (652, 9364),

Gene: Bob3_11 Start: 8246, Stop: 9688, Start Num: 109

Candidate Starts for Bob3_11:

(64, 8180), (Start: 109 @8246 has 196 MA's), (183, 8444), (265, 8657), (394, 8852), (395, 8855), (432, 8963), (453, 9035), (509, 9158), (521, 9197), (545, 9275), (547, 9281), (558, 9329), (561, 9341), (564, 9350), (592, 9440), (620, 9530), (635, 9563), (644, 9575),

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

Candidate Starts for BobSwaget_16:

(Start: 74 @10899 has 580 MA's), (121, 10959), (Start: 128 @10983 has 1 MA's), (160, 11064), (229, 11274), (244, 11301), (265, 11346), (320, 11439), (399, 11535), (426, 11607), (432, 11634), (434, 11640), (440, 11661), (441, 11667), (455, 11712), (521, 11874), (558, 12006), (563, 12024), (569,

12042), (575, 12054), (580, 12063), (602, 12144), (604, 12150), (613, 12180), (615, 12192), (620, 12210), (633, 12240),

Gene: BobaPhett_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for BobaPhett_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (142, 2348), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

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

Candidate Starts for BobbyDazzler_9:

(Start: 74 @4906 has 580 MA's), (173, 5083), (179, 5104), (185, 5131), (189, 5146), (211, 5209), (256, 5323), (344, 5452), (398, 5524), (428, 5611), (430, 5620), (432, 5626), (445, 5674), (478, 5728), (487, 5743), (490, 5752), (507, 5818), (509, 5827), (552, 5971), (563, 6016), (564, 6019), (593, 6112), (613, 6169), (620, 6199), (633, 6226), (645, 6238), (649, 6244),

Gene: Bobi_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Bobi_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (339, 2745), (394, 2847), (399, 2859), (404, 2868), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: BobsGarage_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for BobsGarage_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: BodEinwohner17_3 Start: 2275, Stop: 3609, Start Num: 120

Candidate Starts for BodEinwohner17_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

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

Candidate Starts for BogosyJay_14:

(Start: 74 @9684 has 580 MA's), (121, 9747), (160, 9852), (202, 9966), (229, 10062), (265, 10134), (278, 10167), (394, 10311), (426, 10395), (432, 10422), (434, 10428), (440, 10449), (487, 10539), (558, 10794), (563, 10812), (575, 10842), (580, 10851), (611, 10962), (613, 10968), (620, 10998), (645, 11043), (651, 11052),

Gene: Boiiii_9 Start: 3055, Stop: 4623, Start Num: 42

Candidate Starts for Boiiii_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Boilgate_6 Start: 3028, Stop: 4566, Start Num: 46

Candidate Starts for Boilgate_6:

(Start: 46 @3028 has 1 MA's), (121, 3136), (126, 3151), (Start: 128 @3160 has 1 MA's), (143, 3208), (172, 3265), (177, 3283), (178, 3286), (185, 3316), (210, 3385), (215, 3406), (224, 3442), (226, 3448), (228, 3451), (253, 3472), (254, 3475), (267, 3502), (292, 3562), (330, 3625), (332, 3628), (339, 3643), (342, 3649), (349, 3664), (360, 3679), (364, 3685), (376, 3709), (394, 3745), (398, 3754), (399, 3757), (415, 3790), (426, 3823), (430, 3844), (437, 3865), (482, 3928), (489, 3946), (498, 3976), (508, 4024), (512, 4036), (513, 4039), (515, 4048), (517, 4054), (532, 4093), (537, 4117), (557, 4192), (558, 4195), (561, 4207), (563, 4213), (582, 4282), (583, 4285), (590, 4321), (591, 4324), (601, 4357), (612, 4393), (615, 4408), (616, 4411), (624, 4429),

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

Candidate Starts for Bombshell_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Bonamassa_10 Start: 7939, Stop: 9372, Start Num: 76

Candidate Starts for Bonamassa_10:

(Start: 76 @7939 has 71 MA's), (168, 8095), (173, 8107), (177, 8122), (179, 8128), (229, 8296), (244, 8323), (278, 8401), (344, 8482), (398, 8554), (399, 8557), (426, 8629), (434, 8662), (440, 8683), (444, 8701), (448, 8713), (479, 8758), (545, 8974), (558, 9028), (563, 9046), (580, 9085), (613, 9202), (620, 9232), (633, 9262), (652, 9286),

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

Candidate Starts for Bonanza_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (256, 5252), (344, 5381), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Bones_12 Start: 8441, Stop: 9883, Start Num: 109

Candidate Starts for Bones_12:

(64, 8375), (Start: 109 @8441 has 196 MA's), (183, 8639), (265, 8852), (394, 9047), (399, 9059), (432, 9158), (453, 9230), (509, 9353), (521, 9392), (545, 9470), (547, 9476), (558, 9524), (561, 9536), (564, 9545), (592, 9635), (620, 9725), (635, 9758), (644, 9770),

Gene: Bongo_15 Start: 6260, Stop: 7882, Start Num: 48

Candidate Starts for Bongo_15:

(Start: 48 @6260 has 21 MA's), (56, 6275), (124, 6383), (130, 6401), (147, 6449), (162, 6482), (169, 6494), (177, 6518), (183, 6545), (185, 6551), (210, 6623), (211, 6629), (220, 6659), (248, 6740), (253, 6746), (254, 6749), (263, 6767), (385, 6923), (394, 6941), (399, 6953), (420, 7001), (436, 7058), (437, 7061), (465, 7130), (495, 7184), (504, 7220), (518, 7271), (520, 7274), (532, 7304), (536, 7313), (552,

7379), (553, 7382), (557, 7403), (558, 7406), (578, 7457), (601, 7544), (646, 7655), (663, 7685), (681, 7721), (684, 7727), (691, 7742), (697, 7754), (714, 7838),

Gene: Bonum_28 Start: 14299, Stop: 15876, Start Num: 71

Candidate Starts for Bonum_28:

(Start: 71 @14299 has 30 MA's), (Start: 74 @14305 has 580 MA's), (87, 14320), (89, 14323), (185, 14575), (210, 14653), (216, 14677), (314, 14878), (348, 14911), (371, 14938), (403, 14998), (446, 15133), (450, 15145), (486, 15226), (509, 15322), (522, 15367), (553, 15466), (558, 15490), (560, 15499), (584, 15559), (599, 15619), (603, 15631), (607, 15643), (609, 15652), (619, 15691),

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

Candidate Starts for Boohoo_15:

(Start: 74 @8380 has 580 MA's), (121, 8440), (160, 8545), (184, 8611), (248, 8794), (265, 8827), (278, 8860), (426, 9091), (432, 9118), (434, 9124), (440, 9145), (445, 9166), (455, 9196), (479, 9220), (515, 9340), (545, 9436), (552, 9463), (558, 9490), (563, 9508), (564, 9511), (575, 9544), (580, 9553), (613, 9670), (620, 9700), (651, 9754),

Gene: Boomer_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Boomer_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: BoostSeason_5 Start: 2085, Stop: 3590, Start Num: 45

Candidate Starts for BoostSeason_5:

(31, 1944), (Start: 45 @2085 has 26 MA's), (Start: 53 @2103 has 7 MA's), (89, 2130), (104, 2151), (121, 2187), (Start: 149 @2268 has 2 MA's), (174, 2325), (178, 2337), (183, 2361), (185, 2367), (206, 2418), (210, 2436), (215, 2457), (224, 2493), (226, 2499), (253, 2523), (269, 2559), (317, 2649), (326, 2670), (341, 2697), (364, 2739), (365, 2745), (376, 2763), (399, 2811), (415, 2844), (430, 2898), (437, 2919), (444, 2949), (482, 2982), (489, 3000), (490, 3006), (498, 3030), (512, 3090), (515, 3102), (517, 3108), (532, 3147), (563, 3267), (582, 3309), (608, 3408), (609, 3411), (612, 3420), (628, 3471), (660, 3516), (696, 3567),

Gene: Bovely_7 Start: 4087, Stop: 5529, Start Num: 102

Candidate Starts for Bovely_7:

(Start: 93 @4078 has 3 MA's), (Start: 96 @4081 has 4 MA's), (Start: 102 @4087 has 236 MA's), (Start: 149 @4204 has 2 MA's), (172, 4252), (298, 4570), (326, 4612), (341, 4639), (369, 4672), (419, 4765), (423, 4777), (448, 4870), (483, 4948), (498, 4993), (511, 5050), (518, 5074), (585, 5287), (681, 5515),

Gene: Bowden_8 Start: 3928, Stop: 5403, Start Num: 102

Candidate Starts for Bowden_8:

(Start: 102 @3928 has 236 MA's), (Start: 149 @4045 has 2 MA's), (172, 4093), (175, 4105), (185, 4144), (210, 4237), (215, 4258), (326, 4450), (341, 4477), (423, 4615), (434, 4657), (443, 4690), (448, 4708), (454, 4726), (457, 4735), (498, 4873), (511, 4930), (525, 4978), (563, 5110), (585, 5167), (609, 5257), (612, 5266), (670, 5371), (681, 5389),

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

Candidate Starts for Bowtie_13:

(Start: 74 @9784 has 580 MA's), (116, 9829), (121, 9844), (160, 9949), (265, 10231), (278, 10264), (399, 10420), (426, 10492), (432, 10519), (434, 10525), (440, 10546), (455, 10597), (551, 10861),

(558, 10891), (564, 10912), (569, 10927), (575, 10939), (580, 10948), (604, 11035), (613, 11065), (620, 11095), (633, 11125), (679, 11191),

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

Candidate Starts for Bradshaw_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Brataylor_8 Start: 4058, Stop: 5494, Start Num: 102

Candidate Starts for Brataylor_8:

(Start: 96 @4052 has 4 MA's), (Start: 102 @4058 has 236 MA's), (117, 4082), (125, 4106), (Start: 149 @4175 has 2 MA's), (172, 4223), (179, 4247), (185, 4274), (253, 4457), (298, 4541), (326, 4583), (373, 4649), (419, 4739), (423, 4751), (448, 4844), (483, 4922), (498, 4967), (511, 5024), (578, 5237), (585, 5261), (681, 5480),

Gene: Braxoaddie_29 Start: 15854, Stop: 17443, Start Num: 66

Candidate Starts for Braxoaddie_29:

(50, 15827), (Start: 66 @15854 has 7 MA's), (Start: 71 @15860 has 30 MA's), (Start: 76 @15869 has 71 MA's), (89, 15887), (90, 15890), (121, 15947), (153, 16040), (210, 16214), (211, 16220), (259, 16340), (292, 16415), (298, 16424), (348, 16472), (436, 16652), (441, 16673), (446, 16691), (450, 16703), (493, 16808), (500, 16835), (509, 16880), (513, 16892), (522, 16925), (548, 17003), (553, 17024), (558, 17048), (560, 17057), (570, 17081), (607, 17201), (609, 17210), (615, 17234),

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

Candidate Starts for BreSam8_14:

(Start: 74 @8647 has 580 MA's), (Start: 110 @8677 has 2 MA's), (121, 8704), (160, 8809), (202, 8923), (221, 8989), (244, 9046), (278, 9124), (279, 9127), (394, 9268), (432, 9379), (434, 9385), (440, 9406), (507, 9571), (545, 9697), (558, 9751), (559, 9757), (564, 9772), (580, 9808), (604, 9895), (613, 9925), (620, 9955), (645, 10000), (652, 10009),

Gene: Breezona_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Breezona_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: Bricole_15 Start: 6259, Stop: 7881, Start Num: 48

Candidate Starts for Bricole_15:

(Start: 48 @6259 has 21 MA's), (56, 6274), (124, 6382), (130, 6400), (147, 6448), (162, 6481), (169, 6493), (177, 6517), (183, 6544), (185, 6550), (210, 6622), (211, 6628), (220, 6658), (248, 6739), (253, 6745), (254, 6748), (263, 6766), (385, 6922), (394, 6940), (399, 6952), (420, 7000), (436, 7057), (437, 7060), (465, 7129), (495, 7183), (504, 7219), (518, 7270), (520, 7273), (532, 7303), (536, 7312), (552, 7378), (553, 7381), (557, 7402), (558, 7405), (578, 7456), (601, 7543), (646, 7654), (663, 7684), (681, 7720), (684, 7726), (691, 7741), (697, 7753), (714, 7837),

Gene: Bridgette_3 Start: 2383, Stop: 3744, Start Num: 98

Candidate Starts for Bridgette_3:

(Start: 98 @2383 has 18 MA's), (170, 2551), (175, 2569), (184, 2605), (202, 2653), (246, 2779), (281, 2860), (301, 2890), (356, 2965), (399, 3034), (431, 3124), (436, 3139), (513, 3331), (535, 3385), (565, 3505), (594, 3595), (636, 3709),

Gene: Briton15_14 Start: 8752, Stop: 10194, Start Num: 109

Candidate Starts for Briton15_14:

(64, 8686), (Start: 109 @8752 has 196 MA's), (183, 8950), (265, 9163), (394, 9358), (399, 9370), (432, 9469), (509, 9664), (521, 9703), (545, 9781), (547, 9787), (557, 9832), (558, 9835), (561, 9847), (564, 9856), (592, 9946), (620, 10036), (635, 10069), (644, 10081),

Gene: BroPlease_8 Start: 4096, Stop: 5580, Start Num: 102

Candidate Starts for BroPlease_8:

(Start: 102 @4096 has 236 MA's), (Start: 149 @4213 has 2 MA's), (172, 4261), (306, 4588), (326, 4621), (369, 4681), (419, 4774), (423, 4786), (443, 4861), (448, 4879), (452, 4891), (454, 4897), (509, 5095), (511, 5101), (538, 5188), (557, 5260), (582, 5323), (585, 5338), (609, 5428), (622, 5470), (670, 5542),

Gene: Brocalys_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Brocalys_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (464, 3029), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: Bromden_5 Start: 2378, Stop: 4015, Start Num: 78

Candidate Starts for Bromden_5:

(Start: 78 @2378 has 3 MA's), (126, 2453), (177, 2582), (178, 2585), (185, 2615), (210, 2687), (226, 2750), (228, 2753), (230, 2762), (257, 2801), (318, 2894), (341, 2933), (380, 2966), (390, 2990), (394, 2996), (404, 3017), (406, 3023), (407, 3026), (418, 3047), (424, 3068), (436, 3113), (492, 3236), (521, 3344), (522, 3350), (551, 3443), (557, 3470), (582, 3533), (598, 3602), (601, 3611), (617, 3671), (633, 3701), (638, 3710), (642, 3716), (691, 3806), (697, 3818), (713, 3890), (715, 3896),

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

Candidate Starts for Broseidon_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

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

Candidate Starts for Bruiser_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Bruns_11 Start: 8609, Stop: 10051, Start Num: 109

Candidate Starts for Bruns_11:

(64, 8543), (Start: 109 @8609 has 196 MA's), (183, 8807), (265, 9020), (394, 9215), (399, 9227), (432, 9326), (453, 9398), (509, 9521), (521, 9560), (545, 9638), (547, 9644), (558, 9692), (561, 9704), (564, 9713), (592, 9803), (620, 9893), (635, 9926), (644, 9938),

Gene: BrutonGaster_19 Start: 7166, Stop: 8773, Start Num: 62

Candidate Starts for BrutonGaster_19:

(Start: 62 @7166 has 16 MA's), (Start: 97 @7217 has 14 MA's), (104, 7226), (134, 7301), (148, 7343), (166, 7379), (181, 7424), (187, 7451), (265, 7655), (276, 7685), (302, 7730), (345, 7775), (352, 7790), (410, 7895), (422, 7931), (427, 7949), (428, 7955), (440, 7997), (474, 8126), (524, 8306), (539, 8351), (553, 8399), (587, 8501), (588, 8507), (590, 8516), (612, 8585), (615, 8600), (629, 8636), (631, 8639), (638, 8651),

Gene: BryanRecycles_8 Start: 4241, Stop: 5683, Start Num: 102

Candidate Starts for BryanRecycles_8:

(Start: 93 @4232 has 3 MA's), (Start: 96 @4235 has 4 MA's), (Start: 102 @4241 has 236 MA's), (Start: 149 @4358 has 2 MA's), (172, 4406), (179, 4430), (298, 4724), (326, 4766), (341, 4793), (419, 4919), (423, 4931), (448, 5024), (483, 5102), (498, 5147), (511, 5204), (518, 5228), (585, 5441), (681, 5669),

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

Candidate Starts for Bryce_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (256, 5252), (344, 5381), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Bryler_8 Start: 2948, Stop: 4498, Start Num: 47

Candidate Starts for Bryler_8:

(31, 2816), (33, 2843), (Start: 42 @2933 has 24 MA's), (Start: 47 @2948 has 130 MA's), (Start: 71 @2978 has 30 MA's), (121, 3056), (Start: 149 @3137 has 2 MA's), (158, 3161), (177, 3203), (210, 3305), (215, 3326), (220, 3341), (226, 3368), (274, 3446), (292, 3485), (326, 3542), (364, 3611), (376, 3635), (394, 3671), (399, 3683), (415, 3716), (426, 3749), (430, 3770), (437, 3791), (444, 3821), (482, 3854), (489, 3872), (512, 3962), (513, 3965), (517, 3980), (534, 4016), (536, 4022), (546, 4064), (558, 4115), (563, 4133), (592, 4226), (593, 4229), (601, 4250), (608, 4274), (609, 4277), (612, 4286),

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

Candidate Starts for BubbleTrouble_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (525, 9580), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Bubbles123_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Bubbles123_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (273, 2687), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

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

Candidate Starts for Bud_13:

(Start: 74 @9790 has 580 MA's), (116, 9835), (121, 9850), (160, 9955), (265, 10237), (278, 10270), (399, 10426), (426, 10498), (432, 10525), (434, 10531), (440, 10552), (455, 10603), (551, 10867), (558, 10897), (564, 10918), (569, 10933), (575, 10945), (580, 10954), (604, 11041), (613, 11071), (620, 11101), (633, 11131), (679, 11197),

Gene: Bugatti_12 Start: 8193, Stop: 9659, Start Num: 76

Candidate Starts for Bugatti_12:

(Start: 76 @8193 has 71 MA's), (160, 8364), (189, 8448), (211, 8511), (221, 8544), (224, 8562), (244, 8601), (256, 8628), (277, 8676), (390, 8817), (395, 8826), (426, 8907), (431, 8931), (432, 8934), (434, 8940), (439, 8958), (440, 8961), (441, 8967), (507, 9138), (545, 9264), (546, 9267), (558, 9318), (559, 9324), (564, 9339), (575, 9369), (613, 9495), (620, 9525), (635, 9555),

Gene: Buggaboo_26 Start: 14757, Stop: 16334, Start Num: 71

Candidate Starts for Buggaboo_26:

(Start: 71 @14757 has 30 MA's), (Start: 74 @14763 has 580 MA's), (87, 14778), (89, 14781), (185, 15033), (210, 15111), (216, 15135), (314, 15336), (348, 15369), (371, 15396), (403, 15456), (446, 15591), (450, 15603), (486, 15684), (509, 15780), (522, 15825), (553, 15924), (558, 15948), (560, 15957), (584, 16017), (599, 16077), (603, 16089), (607, 16101), (609, 16110), (619, 16149),

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

Candidate Starts for Buggy_15:

(Start: 74 @9674 has 580 MA's), (121, 9734), (160, 9839), (224, 10037), (265, 10121), (278, 10154), (394, 10298), (426, 10382), (432, 10409), (434, 10415), (440, 10436), (441, 10442), (455, 10487), (558, 10781), (563, 10799), (564, 10802), (575, 10829), (580, 10838), (613, 10955), (620, 10985), (633, 11015), (651, 11039),

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

Candidate Starts for Bumblebee11_12:

(Start: 74 @8587 has 580 MA's), (156, 8737), (160, 8749), (211, 8896), (217, 8917), (224, 8947), (244, 8986), (253, 9004), (256, 9013), (278, 9064), (385, 9193), (394, 9211), (415, 9256), (432, 9322), (434, 9328), (440, 9349), (441, 9355), (475, 9424), (497, 9484), (507, 9529), (545, 9655), (546, 9658), (558, 9709), (559, 9715), (563, 9727), (564, 9730), (575, 9757), (604, 9853), (613, 9883), (615, 9895), (620, 9913), (633, 9943),

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

Candidate Starts for Burger_11:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Burton_13 Start: 8809, Stop: 10251, Start Num: 109

Candidate Starts for Burton_13:

(64, 8743), (Start: 109 @8809 has 196 MA's), (183, 9007), (265, 9220), (394, 9415), (395, 9418), (432, 9526), (453, 9598), (509, 9721), (521, 9760), (545, 9838), (547, 9844), (558, 9892), (561, 9904), (564, 9913), (592, 10003), (620, 10093), (635, 10126), (644, 10138),

Gene: Burwell21_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Burwell21_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Buttons_13 Start: 8879, Stop: 10321, Start Num: 109

Candidate Starts for Buttons_13:

(64, 8813), (Start: 109 @8879 has 196 MA's), (183, 9077), (265, 9290), (394, 9485), (399, 9497), (432, 9596), (453, 9668), (509, 9791), (521, 9830), (545, 9908), (547, 9914), (558, 9962), (561, 9974), (564, 9983), (592, 10073), (620, 10163), (635, 10196), (644, 10208),

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

Candidate Starts for BuzzBuzz_13:

(Start: 74 @8738 has 580 MA's), (Start: 110 @8768 has 2 MA's), (121, 8795), (160, 8900), (202, 9014), (221, 9080), (244, 9137), (278, 9215), (279, 9218), (394, 9359), (432, 9470), (434, 9476), (440, 9497), (507, 9662), (545, 9788), (558, 9842), (559, 9848), (564, 9863), (580, 9899), (604, 9986), (613, 10016), (620, 10046), (645, 10091), (652, 10100),

Gene: BuzzLyseyear_4 Start: 2198, Stop: 3619, Start Num: 101

Candidate Starts for BuzzLyseyear_4:

(Start: 101 @2198 has 52 MA's), (116, 2225), (121, 2237), (172, 2366), (177, 2384), (185, 2417), (210, 2486), (220, 2522), (224, 2543), (226, 2549), (253, 2573), (254, 2576), (285, 2651), (289, 2657), (308, 2684), (319, 2702), (339, 2744), (367, 2795), (378, 2813), (394, 2846), (398, 2855), (399, 2858), (420, 2906), (423, 2915), (430, 2945), (436, 2963), (444, 2996), (490, 3053), (512, 3137), (517, 3155), (525, 3182), (532, 3194), (534, 3197), (536, 3203), (537, 3218), (548, 3251), (582, 3356), (601, 3431), (603, 3437), (606, 3446), (608, 3455), (612, 3467), (638, 3530), (666, 3578),

Gene: Bxb1_11 Start: 8719, Stop: 10185, Start Num: 76

Candidate Starts for Bxb1_11:

(Start: 76 @8719 has 71 MA's), (160, 8869), (229, 9109), (256, 9163), (270, 9193), (278, 9214), (344, 9295), (394, 9358), (432, 9469), (434, 9475), (440, 9496), (479, 9571), (487, 9586), (525, 9727), (558, 9844), (563, 9862), (580, 9901), (613, 10018), (620, 10048), (627, 10060),

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

Candidate Starts for Bxz2_14:

(Start: 74 @8748 has 580 MA's), (Start: 110 @8778 has 2 MA's), (121, 8805), (160, 8910), (202, 9024), (221, 9090), (244, 9147), (278, 9225), (279, 9228), (394, 9369), (432, 9480), (434, 9486), (440, 9507), (507, 9672), (545, 9798), (558, 9852), (559, 9858), (564, 9873), (580, 9909), (604, 9996), (613, 10026), (620, 10056), (645, 10101), (652, 10110),

Gene: ByChance_3 Start: 2241, Stop: 3611, Start Num: 102

Candidate Starts for ByChance_3:

(Start: 102 @2241 has 236 MA's), (Start: 120 @2277 has 8 MA's), (Start: 128 @2301 has 1 MA's), (132, 2310), (134, 2316), (135, 2319), (148, 2358), (177, 2424), (178, 2427), (198, 2496), (210, 2535), (212, 2544), (227, 2592), (265, 2652), (285, 2700), (320, 2745), (380, 2790), (391, 2817), (413, 2862), (421, 2883), (422, 2886), (423, 2889), (428, 2910), (430, 2919), (444, 2970), (445, 2973), (448, 2982), (459, 3012), (467, 3033), (493, 3102), (496, 3111), (506, 3162), (507, 3165), (524, 3225), (526, 3231), (550, 3309), (558, 3342), (561, 3354), (580, 3393), (587, 3417), (642, 3579),

Gene: Byougenkin_3 Start: 2273, Stop: 3598, Start Num: 119

Candidate Starts for Byougenkin_3:

(Start: 102 @2240 has 236 MA's), (Start: 119 @2273 has 2 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (201, 2501), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

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

Candidate Starts for C3_11:

(Start: 74 @9161 has 580 MA's), (121, 9221), (160, 9326), (265, 9608), (278, 9641), (393, 9782), (399, 9797), (426, 9869), (432, 9896), (434, 9902), (440, 9923), (441, 9929), (455, 9974), (558, 10268), (563, 10286), (564, 10289), (575, 10316), (580, 10325), (594, 10391), (613, 10442), (620, 10472), (633, 10502), (651, 10526),

Gene: C3PO_13 Start: 8765, Stop: 10342, Start Num: 71

Candidate Starts for C3PO_13:

(Start: 71 @8765 has 30 MA's), (Start: 81 @8780 has 6 MA's), (118, 8843), (125, 8864), (136, 8906), (161, 8966), (164, 8975), (170, 8984), (181, 9023), (210, 9119), (256, 9239), (259, 9245), (283, 9308), (287, 9314), (379, 9428), (388, 9449), (414, 9503), (421, 9527), (441, 9602), (445, 9617), (450, 9632), (493, 9737), (496, 9746), (522, 9854), (561, 9986), (585, 10049), (594, 10094), (610, 10139), (612, 10145), (618, 10172), (621, 10181), (628, 10196), (689, 10280),

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

Candidate Starts for CRB1_13:

(Start: 74 @9194 has 580 MA's), (121, 9254), (160, 9359), (224, 9557), (265, 9641), (278, 9674), (426, 9902), (432, 9929), (434, 9935), (440, 9956), (441, 9962), (455, 10007), (558, 10301), (563, 10319), (564, 10322), (575, 10349), (580, 10358), (613, 10475), (620, 10505), (633, 10535), (651, 10559),

Gene: CREW_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for CREW_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Cabrinians_3 Start: 2276, Stop: 3598, Start Num: 120

Candidate Starts for Cabrinians_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (631, 3560),

Gene: CactusRose_11 Start: 8429, Stop: 9871, Start Num: 109

Candidate Starts for CactusRose_11:

(64, 8363), (Start: 109 @8429 has 196 MA's), (183, 8627), (265, 8840), (394, 9035), (399, 9047), (432, 9146), (509, 9341), (521, 9380), (545, 9458), (547, 9464), (558, 9512), (561, 9524), (564, 9533), (592, 9623), (620, 9713), (635, 9746), (644, 9758),

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

Candidate Starts for Caelakin_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Caelum_8 Start: 3776, Stop: 5269, Start Num: 102

Candidate Starts for Caelum_8:

(Start: 102 @3776 has 236 MA's), (Start: 149 @3893 has 2 MA's), (172, 3941), (175, 3953), (185, 3992), (210, 4085), (226, 4142), (326, 4298), (341, 4325), (396, 4403), (419, 4451), (423, 4463), (426, 4472), (443, 4538), (448, 4556), (452, 4568), (454, 4574), (498, 4721), (511, 4778), (525, 4826), (563, 4958), (585, 5015), (609, 5105), (612, 5114), (622, 5147), (670, 5231), (681, 5255),

Gene: Cain_8 Start: 2948, Stop: 4498, Start Num: 47

Candidate Starts for Cain_8:

(31, 2816), (33, 2843), (Start: 42 @2933 has 24 MA's), (Start: 47 @2948 has 130 MA's), (Start: 71 @2978 has 30 MA's), (121, 3056), (Start: 149 @3137 has 2 MA's), (158, 3161), (177, 3203), (210, 3305), (215, 3326), (220, 3341), (226, 3368), (274, 3446), (292, 3485), (326, 3542), (364, 3611), (376, 3635), (394, 3671), (399, 3683), (415, 3716), (426, 3749), (430, 3770), (437, 3791), (444, 3821), (482, 3854), (489, 3872), (512, 3962), (513, 3965), (517, 3980), (534, 4016), (536, 4022), (546, 4064), (558, 4115), (563, 4133), (592, 4226), (593, 4229), (601, 4250), (608, 4274), (609, 4277), (612, 4286),

Gene: Caliburn_7 Start: 4055, Stop: 5503, Start Num: 96

Candidate Starts for Caliburn_7:

(Start: 93 @4052 has 3 MA's), (Start: 96 @4055 has 4 MA's), (Start: 102 @4061 has 236 MA's), (Start: 149 @4178 has 2 MA's), (172, 4226), (298, 4544), (326, 4586), (341, 4613), (369, 4646), (419, 4739), (423, 4751), (448, 4844), (483, 4922), (498, 4967), (511, 5024), (518, 5048), (585, 5261), (681, 5489),

Gene: Calm_5 Start: 2625, Stop: 4298, Start Num: 74

Candidate Starts for Calm_5:

(Start: 74 @2625 has 580 MA's), (121, 2688), (137, 2742), (147, 2766), (178, 2835), (183, 2859), (210, 2937), (220, 2973), (265, 3066), (267, 3069), (318, 3144), (341, 3183), (394, 3246), (406, 3273), (407, 3276), (418, 3297), (424, 3318), (435, 3360), (436, 3363), (485, 3465), (490, 3480), (492, 3486), (513, 3567), (521, 3594), (522, 3600), (551, 3693), (557, 3720), (559, 3729), (582, 3783), (586, 3804), (591, 3825), (598, 3852), (601, 3861), (617, 3921), (633, 3951), (638, 3960), (697, 4068), (718, 4263),

Gene: Camperdownii_11 Start: 8195, Stop: 9649, Start Num: 74

Candidate Starts for Camperdownii_11:

(Start: 74 @8195 has 580 MA's), (156, 8345), (160, 8357), (217, 8525), (224, 8555), (244, 8594), (253, 8612), (278, 8672), (385, 8801), (394, 8819), (432, 8930), (434, 8936), (440, 8957), (441, 8963), (475, 9032), (497, 9092), (507, 9137), (545, 9263), (546, 9266), (558, 9317), (564, 9338), (575, 9368), (602, 9458), (613, 9494), (620, 9524), (633, 9554),

Gene: Candra_16 Start: 9317, Stop: 10780, Start Num: 74

Candidate Starts for Candra_16:

(Start: 74 @9317 has 580 MA's), (94, 9338), (121, 9377), (152, 9464), (157, 9476), (160, 9482), (265, 9764), (408, 9977), (426, 10028), (432, 10055), (434, 10061), (440, 10082), (564, 10448), (575, 10475), (580, 10484), (593, 10544), (613, 10601), (620, 10631), (633, 10661), (653, 10688),

Gene: Capricorn_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Capricorn_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: CaptainTrips_4 Start: 2903, Stop: 4273, Start Num: 102

Candidate Starts for CaptainTrips_4:

(Start: 102 @2903 has 236 MA's), (Start: 120 @2939 has 8 MA's), (Start: 128 @2963 has 1 MA's), (132, 2972), (134, 2978), (135, 2981), (148, 3020), (177, 3086), (178, 3089), (198, 3158), (210, 3197), (212, 3206), (227, 3254), (265, 3314), (285, 3362), (320, 3407), (380, 3452), (391, 3479), (413, 3524), (421, 3545), (422, 3548), (423, 3551), (428, 3572), (430, 3581), (444, 3632), (445, 3635), (448, 3644), (459, 3674), (467, 3695), (493, 3764), (496, 3773), (506, 3824), (507, 3827), (522, 3881), (524, 3887), (525, 3890), (526, 3893), (545, 3950), (558, 4004), (561, 4016), (576, 4049), (580, 4055), (587, 4079), (631, 4223), (642, 4241),

Gene: Caraxes_12 Start: 7939, Stop: 9396, Start Num: 74

Candidate Starts for Caraxes_12:

(Start: 74 @7939 has 580 MA's), (121, 7999), (156, 8092), (160, 8104), (265, 8386), (426, 8647), (432, 8674), (434, 8680), (440, 8701), (521, 8914), (558, 9046), (563, 9064), (564, 9067), (575, 9094), (580, 9103), (604, 9190), (613, 9220), (620, 9250), (633, 9280), (651, 9304),

Gene: Cardigan_31 Start: 12425, Stop: 13987, Start Num: 62

Candidate Starts for Cardigan_31:

(35, 12341), (Start: 62 @12425 has 16 MA's), (Start: 97 @12476 has 14 MA's), (104, 12485), (148, 12602), (164, 12635), (181, 12683), (182, 12686), (185, 12701), (187, 12710), (209, 12770), (213, 12791), (230, 12848), (265, 12914), (268, 12920), (276, 12944), (294, 12977), (344, 13031), (345, 13034), (410, 13154), (427, 13208), (428, 13214), (445, 13277), (468, 13349), (474, 13385), (499, 13463), (518, 13544), (524, 13565), (539, 13610), (545, 13628), (559, 13688), (563, 13700), (564, 13703), (623, 13883), (631, 13898), (640, 13913),

Gene: Carlyle_14 Start: 9277, Stop: 10719, Start Num: 109

Candidate Starts for Carlyle_14:

(64, 9211), (Start: 109 @9277 has 196 MA's), (183, 9475), (265, 9688), (394, 9883), (399, 9895), (432, 9994), (453, 10066), (509, 10189), (521, 10228), (545, 10306), (547, 10312), (557, 10357), (558, 10360), (561, 10372), (564, 10381), (592, 10471), (620, 10561), (635, 10594), (644, 10606),

Gene: Caron_3 Start: 2378, Stop: 3748, Start Num: 99

Candidate Starts for Caron_3:

(Start: 99 @2378 has 43 MA's), (Start: 149 @2498 has 2 MA's), (224, 2723), (438, 3086), (532, 3347), (536, 3356), (582, 3503), (588, 3533), (609, 3608),

Gene: CaseJules_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for CaseJules_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Cassia_3 Start: 2263, Stop: 3798, Start Num: 97

Candidate Starts for Cassia_3:

(Start: 97 @2263 has 14 MA's), (Start: 149 @2383 has 2 MA's), (185, 2482), (310, 2746), (324, 2761), (449, 3019), (518, 3184), (534, 3223), (540, 3253), (548, 3277), (598, 3451), (612, 3496), (641, 3562), (693, 3661),

Gene: Catalina_14 Start: 9894, Stop: 11381, Start Num: 74

Candidate Starts for Catalina_14:

(Start: 74 @9894 has 580 MA's), (121, 9957), (160, 10062), (229, 10272), (248, 10311), (265, 10344), (278, 10377), (394, 10521), (411, 10557), (415, 10566), (426, 10605), (432, 10632), (434, 10638),

(440, 10659), (448, 10689), (455, 10710), (479, 10734), (487, 10749), (558, 11004), (563, 11022), (575, 11052), (576, 11055), (580, 11061), (611, 11172), (613, 11178), (620, 11208), (645, 11253), (651, 11262),

Gene: Caviar_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Caviar_13:

(Start: 74 @8738 has 580 MA's), (112, 8777), (160, 8903), (189, 8987), (211, 9050), (221, 9083), (224, 9101), (244, 9140), (256, 9167), (278, 9218), (385, 9344), (390, 9356), (398, 9371), (399, 9374), (426, 9446), (432, 9473), (434, 9479), (440, 9500), (441, 9506), (448, 9530), (475, 9572), (507, 9677), (545, 9803), (546, 9806), (558, 9857), (559, 9863), (564, 9878), (575, 9908), (613, 10034), (620, 10064), (635, 10094),

Gene: Celery_9 Start: 4163, Stop: 5596, Start Num: 102

Candidate Starts for Celery_9:

(80, 4130), (Start: 102 @4163 has 236 MA's), (Start: 149 @4280 has 2 MA's), (172, 4328), (175, 4340), (263, 4583), (319, 4670), (369, 4748), (373, 4754), (423, 4853), (448, 4946), (470, 4985), (483, 5021), (498, 5066), (511, 5123), (558, 5285), (563, 5303), (585, 5360), (622, 5492), (681, 5582),

Gene: Celeste_7 Start: 4057, Stop: 5493, Start Num: 102

Candidate Starts for Celeste_7:

(Start: 96 @4051 has 4 MA's), (Start: 102 @4057 has 236 MA's), (117, 4081), (125, 4105), (Start: 149 @4174 has 2 MA's), (172, 4222), (185, 4273), (228, 4426), (253, 4456), (298, 4540), (326, 4582), (373, 4648), (419, 4738), (423, 4750), (448, 4843), (483, 4921), (498, 4966), (511, 5023), (518, 5047), (578, 5236), (585, 5260), (681, 5479),

Gene: Celia_7 Start: 4355, Stop: 5830, Start Num: 102

Candidate Starts for Celia_7:

(Start: 102 @4355 has 236 MA's), (Start: 115 @4376 has 1 MA's), (Start: 149 @4472 has 2 MA's), (175, 4532), (210, 4664), (215, 4685), (226, 4721), (326, 4883), (353, 4925), (405, 5009), (423, 5048), (436, 5096), (443, 5123), (448, 5141), (456, 5165), (462, 5186), (469, 5222), (483, 5261), (498, 5306), (511, 5363), (518, 5387), (585, 5600), (609, 5690), (622, 5732),

Gene: Cen1621_3 Start: 2349, Stop: 3737, Start Num: 99

Candidate Starts for Cen1621_3:

(Start: 99 @2349 has 43 MA's), (Start: 149 @2469 has 2 MA's), (224, 2694), (376, 2913), (399, 2961), (420, 3003), (436, 3060), (438, 3066), (506, 3231), (534, 3312), (557, 3408), (583, 3468), (598, 3534), (601, 3543), (609, 3570), (612, 3579), (649, 3654),

Gene: Centaur_15 Start: 9707, Stop: 11167, Start Num: 74

Candidate Starts for Centaur_15:

(Start: 74 @9707 has 580 MA's), (121, 9767), (156, 9860), (160, 9872), (265, 10154), (278, 10187), (395, 10334), (399, 10343), (426, 10415), (432, 10442), (434, 10448), (440, 10469), (525, 10697), (558, 10814), (564, 10835), (575, 10862), (580, 10871), (613, 10988), (620, 11018), (633, 11048), (651, 11072),

Gene: CentreCat_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for CentreCat_12:

(Start: 74 @8579 has 580 MA's), (160, 8738), (217, 8906), (224, 8936), (244, 8975), (253, 8993), (278, 9053), (385, 9182), (394, 9200), (432, 9311), (434, 9317), (440, 9338), (441, 9344), (475, 9413), (497, 9473), (507, 9518), (545, 9644), (546, 9647), (558, 9698), (559, 9704), (564, 9719), (575, 9749), (602, 9839), (613, 9875), (615, 9887), (620, 9905), (633, 9935),

Gene: Cerasum_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Cerasum_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Cerulean_12 Start: 8556, Stop: 10007, Start Num: 74

Candidate Starts for Cerulean_12:

(Start: 74 @8556 has 580 MA's), (160, 8715), (217, 8883), (224, 8913), (244, 8952), (253, 8970), (278, 9030), (385, 9159), (394, 9177), (432, 9288), (434, 9294), (440, 9315), (441, 9321), (475, 9390), (497, 9450), (545, 9621), (546, 9624), (558, 9675), (559, 9681), (564, 9696), (575, 9726), (602, 9816), (613, 9852), (615, 9864), (620, 9882), (633, 9912),

Gene: Chadwick_11 Start: 7734, Stop: 9167, Start Num: 76

Candidate Starts for Chadwick_11:

(Start: 76 @7734 has 71 MA's), (152, 7863), (173, 7902), (177, 7917), (229, 8091), (244, 8118), (265, 8163), (278, 8196), (288, 8217), (344, 8277), (398, 8349), (399, 8352), (426, 8424), (434, 8457), (440, 8478), (448, 8508), (545, 8769), (558, 8823), (563, 8841), (580, 8880), (613, 8997), (620, 9027), (633, 9057), (645, 9072), (652, 9081),

Gene: ChampagnePapi_12 Start: 8555, Stop: 10006, Start Num: 74

Candidate Starts for ChampagnePapi_12:

(Start: 74 @8555 has 580 MA's), (160, 8714), (217, 8882), (224, 8912), (244, 8951), (253, 8969), (278, 9029), (385, 9158), (394, 9176), (432, 9287), (434, 9293), (440, 9314), (441, 9320), (475, 9389), (497, 9449), (545, 9620), (546, 9623), (558, 9674), (559, 9680), (564, 9695), (575, 9725), (602, 9815), (613, 9851), (615, 9863), (620, 9881), (633, 9911),

Gene: Chanagan_11 Start: 8273, Stop: 9715, Start Num: 109

Candidate Starts for Chanagan_11:

(64, 8207), (Start: 109 @8273 has 196 MA's), (183, 8471), (265, 8684), (394, 8879), (399, 8891), (432, 8990), (509, 9185), (521, 9224), (545, 9302), (547, 9308), (558, 9356), (561, 9368), (564, 9377), (592, 9467), (620, 9557), (635, 9590), (644, 9602),

Gene: Chancellor_10 Start: 3932, Stop: 5518, Start Num: 45

Candidate Starts for Chancellor_10:

(Start: 42 @3917 has 24 MA's), (Start: 45 @3932 has 26 MA's), (56, 3956), (104, 4022), (124, 4067), (Start: 149 @4139 has 2 MA's), (174, 4196), (177, 4205), (178, 4208), (185, 4238), (210, 4307), (215, 4328), (224, 4364), (226, 4370), (253, 4394), (269, 4430), (274, 4445), (292, 4484), (370, 4619), (376, 4628), (385, 4646), (398, 4673), (399, 4676), (415, 4709), (426, 4742), (430, 4763), (437, 4784), (482, 4847), (490, 4871), (498, 4895), (508, 4943), (512, 4955), (515, 4967), (517, 4973), (532, 5012), (561, 5126), (563, 5132), (601, 5303), (609, 5330), (612, 5339), (635, 5402), (642, 5414),

Gene: Changeling_16 Start: 11068, Stop: 12528, Start Num: 74

Candidate Starts for Changeling_16:

(Start: 74 @11068 has 580 MA's), (121, 11128), (160, 11233), (265, 11515), (278, 11548), (395, 11698), (426, 11779), (432, 11806), (434, 11812), (440, 11833), (558, 12178), (563, 12196), (564, 12199), (569, 12214), (575, 12226), (580, 12235), (613, 12352), (620, 12382), (633, 12412), (651, 12436),

Gene: Chaph_12 Start: 8587, Stop: 10038, Start Num: 74

Candidate Starts for Chaph_12:

(Start: 74 @8587 has 580 MA's), (156, 8734), (160, 8746), (217, 8914), (224, 8944), (244, 8983), (253, 9001), (278, 9061), (385, 9190), (394, 9208), (399, 9220), (432, 9319), (434, 9325), (440, 9346), (441, 9352), (475, 9421), (497, 9481), (507, 9526), (545, 9652), (546, 9655), (558, 9706), (564, 9727), (575, 9757), (602, 9847), (613, 9883), (620, 9913), (633, 9943),

Gene: Chargerpower_13 Start: 8369, Stop: 9832, Start Num: 74

Candidate Starts for Chargerpower_13:

(Start: 74 @8369 has 580 MA's), (89, 8381), (121, 8429), (Start: 128 @8453 has 1 MA's), (160, 8534), (185, 8603), (229, 8744), (265, 8816), (395, 8999), (426, 9080), (432, 9107), (434, 9113), (440, 9134), (455, 9185), (479, 9209), (509, 9308), (558, 9479), (563, 9497), (575, 9527), (580, 9536), (604, 9623), (613, 9653), (620, 9683), (633, 9713), (651, 9737),

Gene: Charm_13 Start: 8077, Stop: 9561, Start Num: 74

Candidate Starts for Charm_13:

(Start: 74 @8077 has 580 MA's), (121, 8137), (160, 8242), (202, 8356), (229, 8452), (265, 8524), (278, 8557), (374, 8668), (394, 8701), (411, 8737), (415, 8746), (426, 8785), (431, 8809), (432, 8812), (434, 8818), (439, 8836), (440, 8839), (455, 8890), (558, 9184), (563, 9202), (575, 9232), (580, 9241), (604, 9328), (611, 9352), (613, 9358), (620, 9388), (645, 9433), (651, 9442),

Gene: Chartreuse_16 Start: 9252, Stop: 10694, Start Num: 94

Candidate Starts for Chartreuse_16:

(Start: 74 @9231 has 580 MA's), (94, 9252), (121, 9291), (152, 9378), (157, 9390), (160, 9396), (265, 9678), (408, 9891), (426, 9942), (432, 9969), (434, 9975), (440, 9996), (564, 10362), (575, 10389), (580, 10398), (593, 10458), (613, 10515), (620, 10545), (633, 10575), (653, 10602),

Gene: Chaser_5 Start: 2379, Stop: 4016, Start Num: 78

Candidate Starts for Chaser_5:

(Start: 78 @2379 has 3 MA's), (126, 2454), (177, 2583), (178, 2586), (185, 2616), (210, 2688), (220, 2724), (230, 2763), (257, 2802), (318, 2895), (341, 2934), (380, 2967), (390, 2991), (394, 2997), (404, 3018), (406, 3024), (407, 3027), (418, 3048), (436, 3114), (485, 3216), (492, 3237), (521, 3345), (522, 3351), (551, 3444), (557, 3471), (582, 3534), (591, 3576), (598, 3603), (599, 3606), (601, 3612), (617, 3672), (633, 3702), (638, 3711), (642, 3717), (691, 3807), (697, 3819), (715, 3897),

Gene: Che12_14 Start: 8036, Stop: 9493, Start Num: 74

Candidate Starts for Che12_14:

(Start: 74 @8036 has 580 MA's), (121, 8096), (160, 8201), (265, 8483), (395, 8663), (398, 8669), (426, 8744), (432, 8771), (434, 8777), (440, 8798), (521, 9011), (558, 9143), (563, 9161), (564, 9164), (575, 9191), (580, 9200), (604, 9287), (613, 9317), (620, 9347), (633, 9377), (651, 9401), (665, 9422),

Gene: Che8_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Che8_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (176, 2419), (177, 2422), (178, 2425), (198, 2494), (201, 2500), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (273, 2671), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: CheetoDust_9 Start: 3046, Stop: 4599, Start Num: 47

Candidate Starts for CheetoDust_9:

(33, 2944), (Start: 42 @3031 has 24 MA's), (Start: 47 @3046 has 130 MA's), (117, 3148), (121, 3157), (143, 3229), (Start: 149 @3238 has 2 MA's), (158, 3262), (174, 3295), (177, 3304), (210, 3406), (215,

3427), (225, 3466), (226, 3469), (269, 3532), (274, 3547), (283, 3571), (317, 3622), (326, 3643), (357, 3697), (415, 3817), (426, 3850), (430, 3871), (437, 3892), (444, 3922), (482, 3955), (489, 3973), (504, 4033), (508, 4051), (512, 4063), (513, 4066), (516, 4078), (517, 4081), (534, 4117), (546, 4165), (558, 4216), (563, 4234), (593, 4330), (601, 4351), (609, 4378), (612, 4387), (624, 4423),

Gene: Cheetobro_10 Start: 3932, Stop: 5518, Start Num: 45

Candidate Starts for Cheetobro_10:

(Start: 42 @3917 has 24 MA's), (Start: 45 @3932 has 26 MA's), (56, 3956), (104, 4022), (124, 4067), (Start: 149 @4139 has 2 MA's), (174, 4196), (177, 4205), (178, 4208), (185, 4238), (210, 4307), (215, 4328), (224, 4364), (226, 4370), (253, 4394), (269, 4430), (274, 4445), (292, 4484), (370, 4619), (376, 4628), (385, 4646), (398, 4673), (399, 4676), (415, 4709), (426, 4742), (430, 4763), (437, 4784), (482, 4847), (490, 4871), (498, 4895), (508, 4943), (512, 4955), (515, 4967), (517, 4973), (532, 5012), (561, 5126), (563, 5132), (601, 5303), (609, 5330), (612, 5339), (635, 5402), (642, 5414),

Gene: Chevrolet_2 Start: 2277, Stop: 3611, Start Num: 120

Candidate Starts for Chevrolet_2:

(Start: 102 @2241 has 236 MA's), (Start: 120 @2277 has 8 MA's), (Start: 128 @2301 has 1 MA's), (132, 2310), (134, 2316), (135, 2319), (148, 2358), (176, 2421), (177, 2424), (178, 2427), (198, 2496), (201, 2502), (210, 2535), (212, 2544), (227, 2592), (265, 2652), (273, 2673), (285, 2700), (320, 2745), (380, 2790), (391, 2817), (413, 2862), (421, 2883), (422, 2886), (423, 2889), (428, 2910), (430, 2919), (444, 2970), (445, 2973), (448, 2982), (459, 3012), (467, 3033), (493, 3102), (496, 3111), (506, 3162), (507, 3165), (524, 3225), (526, 3231), (550, 3309), (558, 3342), (561, 3354), (576, 3387), (580, 3393), (587, 3417), (631, 3561), (642, 3579),

Gene: ChewyVIII_39 Start: 21579, Stop: 23150, Start Num: 71

Candidate Starts for ChewyVIII_39:

(Start: 71 @21579 has 30 MA's), (89, 21603), (Start: 119 @21657 has 2 MA's), (122, 21666), (153, 21756), (170, 21795), (178, 21822), (210, 21930), (216, 21954), (240, 22020), (259, 22056), (271, 22086), (292, 22131), (348, 22188), (362, 22209), (421, 22338), (441, 22413), (446, 22431), (450, 22443), (486, 22524), (494, 22554), (500, 22575), (513, 22632), (518, 22650), (522, 22665), (548, 22743), (551, 22758), (553, 22764), (558, 22788), (588, 22878), (592, 22899), (597, 22911), (601, 22923), (607, 22941), (609, 22950), (615, 22974), (672, 23061), (703, 23130),

Gene: ChickenDinner_4 Start: 2202, Stop: 3623, Start Num: 101

Candidate Starts for ChickenDinner_4:

(Start: 101 @2202 has 52 MA's), (116, 2229), (121, 2241), (172, 2370), (177, 2388), (179, 2394), (185, 2421), (210, 2490), (220, 2526), (224, 2547), (226, 2553), (253, 2577), (254, 2580), (267, 2607), (285, 2655), (289, 2661), (308, 2688), (319, 2706), (367, 2799), (378, 2817), (394, 2850), (398, 2859), (399, 2862), (420, 2910), (423, 2919), (430, 2949), (436, 2967), (444, 3000), (490, 3057), (512, 3141), (517, 3159), (525, 3186), (532, 3198), (534, 3201), (536, 3207), (537, 3222), (548, 3255), (582, 3360), (601, 3435), (603, 3441), (606, 3450), (608, 3459), (612, 3471), (638, 3534), (666, 3582),

Gene: ChipMunk_15 Start: 9611, Stop: 11086, Start Num: 74

Candidate Starts for ChipMunk_15:

(Start: 74 @9611 has 580 MA's), (121, 9671), (160, 9776), (224, 9974), (265, 10058), (278, 10091), (374, 10202), (426, 10319), (432, 10346), (434, 10352), (440, 10373), (441, 10379), (455, 10424), (509, 10547), (558, 10718), (563, 10736), (564, 10739), (575, 10766), (580, 10775), (613, 10892), (620, 10922), (633, 10952), (651, 10976), (702, 11063),

Gene: Chris_8 Start: 2961, Stop: 4514, Start Num: 47

Candidate Starts for Chris_8:

(33, 2856), (Start: 42 @2946 has 24 MA's), (Start: 47 @2961 has 130 MA's), (Start: 71 @2997 has 30 MA's), (121, 3075), (124, 3084), (Start: 149 @3156 has 2 MA's), (158, 3180), (169, 3198), (174, 3213),

(177, 3222), (178, 3225), (215, 3345), (220, 3360), (225, 3384), (226, 3387), (274, 3465), (292, 3504), (326, 3561), (365, 3636), (415, 3735), (426, 3768), (430, 3789), (437, 3810), (482, 3873), (489, 3891), (498, 3921), (508, 3969), (512, 3981), (513, 3984), (516, 3996), (517, 3999), (557, 4131), (563, 4152), (590, 4233), (592, 4245), (593, 4248), (601, 4269), (608, 4293), (609, 4296), (612, 4305), (624, 4341), (674, 4428),

Gene: ChuckDuck_3 Start: 2383, Stop: 3747, Start Num: 98

Candidate Starts for ChuckDuck_3:

(Start: 98 @2383 has 18 MA's), (170, 2551), (175, 2569), (184, 2605), (226, 2743), (246, 2779), (301, 2890), (324, 2920), (356, 2965), (370, 2986), (391, 3019), (420, 3082), (436, 3139), (504, 3298), (513, 3331), (535, 3385), (553, 3463), (558, 3487), (593, 3589), (594, 3595), (659, 3739),

Gene: Chuckly_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Chuckly_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (525, 3242), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Chucky_7 Start: 4056, Stop: 5492, Start Num: 102

Candidate Starts for Chucky_7:

(Start: 96 @4050 has 4 MA's), (Start: 102 @4056 has 236 MA's), (117, 4080), (125, 4104), (Start: 149 @4173 has 2 MA's), (172, 4221), (175, 4233), (185, 4272), (228, 4425), (298, 4539), (326, 4581), (369, 4641), (373, 4647), (419, 4737), (423, 4749), (443, 4824), (448, 4842), (483, 4920), (498, 4965), (511, 5022), (578, 5235), (585, 5259), (622, 5391), (661, 5457), (681, 5478),

Gene: Chupacabra_12 Start: 8376, Stop: 9818, Start Num: 74

Candidate Starts for Chupacabra_12:

(Start: 74 @8376 has 580 MA's), (160, 8535), (185, 8604), (211, 8682), (221, 8715), (224, 8733), (243, 8772), (245, 8775), (344, 8934), (390, 8991), (399, 9009), (432, 9108), (434, 9114), (440, 9135), (441, 9141), (507, 9315), (545, 9441), (546, 9444), (558, 9495), (559, 9501), (564, 9516), (575, 9546), (580, 9555), (602, 9636), (613, 9672), (620, 9702), (649, 9753),

Gene: Ciao_12 Start: 8659, Stop: 10101, Start Num: 109

Candidate Starts for Ciao_12:

(64, 8593), (Start: 109 @8659 has 196 MA's), (183, 8857), (265, 9070), (394, 9265), (395, 9268), (399, 9277), (432, 9376), (509, 9571), (521, 9610), (545, 9688), (547, 9694), (558, 9742), (561, 9754), (564, 9763), (580, 9796), (592, 9853), (620, 9943), (635, 9976), (644, 9988),

Gene: CicholasNage_5 Start: 2626, Stop: 4299, Start Num: 74

Candidate Starts for CicholasNage_5:

(Start: 74 @2626 has 580 MA's), (121, 2689), (137, 2743), (147, 2767), (178, 2836), (183, 2860), (210, 2938), (220, 2974), (265, 3067), (267, 3070), (318, 3145), (341, 3184), (394, 3247), (406, 3274), (407, 3277), (418, 3298), (424, 3319), (435, 3361), (436, 3364), (485, 3466), (490, 3481), (492, 3487), (513, 3568), (521, 3595), (522, 3601), (551, 3694), (557, 3721), (559, 3730), (582, 3784), (586, 3805), (591, 3826), (598, 3853), (601, 3862), (617, 3922), (633, 3952), (638, 3961), (697, 4069), (718, 4264),

Gene: Cici_12 Start: 8575, Stop: 10026, Start Num: 74

Candidate Starts for Cici_12:

(Start: 74 @8575 has 580 MA's), (156, 8725), (160, 8737), (211, 8884), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (256, 9001), (278, 9052), (385, 9181), (394, 9199), (415, 9244), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (563, 9715), (564, 9718), (575, 9745), (604, 9841), (613, 9871), (620, 9901), (633, 9931),

Gene: Cindaradix_11 Start: 8284, Stop: 9738, Start Num: 74

Candidate Starts for Cindaradix_11:

(Start: 74 @8284 has 580 MA's), (156, 8434), (160, 8446), (211, 8593), (217, 8614), (224, 8644), (244, 8683), (253, 8701), (278, 8761), (385, 8890), (394, 8908), (399, 8920), (432, 9019), (434, 9025), (440, 9046), (441, 9052), (475, 9121), (507, 9226), (545, 9352), (546, 9355), (558, 9406), (564, 9427), (575, 9457), (602, 9547), (613, 9583), (620, 9613), (633, 9643), (699, 9724),

Gene: Cintron_12 Start: 8623, Stop: 10077, Start Num: 74

Candidate Starts for Cintron_12:

(Start: 74 @8623 has 580 MA's), (156, 8773), (160, 8785), (217, 8953), (224, 8983), (244, 9022), (253, 9040), (278, 9100), (385, 9229), (394, 9247), (432, 9358), (434, 9364), (440, 9385), (441, 9391), (475, 9460), (497, 9520), (507, 9565), (525, 9628), (545, 9691), (546, 9694), (558, 9745), (564, 9766), (575, 9796), (602, 9886), (613, 9922), (620, 9952), (633, 9982),

Gene: Citius_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Citius_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Clarenza_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Clarenza_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Claus_5 Start: 2650, Stop: 4305, Start Num: 74

Candidate Starts for Claus_5:

(Start: 74 @2650 has 580 MA's), (121, 2713), (147, 2791), (178, 2860), (183, 2884), (185, 2890), (210, 2962), (220, 2998), (226, 3025), (257, 3076), (318, 3169), (341, 3208), (390, 3265), (394, 3271), (399, 3283), (404, 3292), (406, 3298), (407, 3301), (418, 3322), (424, 3343), (426, 3349), (436, 3388), (483, 3484), (492, 3511), (521, 3619), (522, 3625), (551, 3718), (557, 3745), (582, 3808), (586, 3829), (591, 3850), (598, 3877), (601, 3886), (617, 3946), (633, 3976), (638, 3985), (642, 3991), (691, 4081), (697, 4093), (705, 4126), (713, 4165), (718, 4270),

Gene: Clautastrophe_6 Start: 2756, Stop: 4399, Start Num: 74

Candidate Starts for Clautastrophe_6:

(Start: 74 @2756 has 580 MA's), (118, 2816), (178, 2966), (185, 2996), (210, 3068), (228, 3134), (257, 3182), (318, 3275), (341, 3314), (406, 3404), (411, 3413), (418, 3428), (492, 3617), (502, 3650), (510, 3689), (522, 3731), (582, 3914), (591, 3956), (598, 3983), (601, 3992), (617, 4052), (633, 4082), (638, 4091), (681, 4166), (697, 4199),

Gene: Clifton_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Clifton_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: CloudWang3_16 Start: 9262, Stop: 10725, Start Num: 74

Candidate Starts for CloudWang3_16:

(Start: 74 @9262 has 580 MA's), (94, 9283), (121, 9322), (152, 9409), (157, 9421), (160, 9427), (265, 9709), (288, 9763), (408, 9922), (426, 9973), (432, 10000), (434, 10006), (440, 10027), (491, 10129), (521, 10240), (564, 10393), (569, 10408), (575, 10420), (580, 10429), (594, 10495), (604, 10516), (613, 10546), (620, 10576), (633, 10606), (653, 10633),

Gene: ClubL_31 Start: 10375, Stop: 11991, Start Num: 62

Candidate Starts for ClubL_31:

(Start: 62 @10375 has 16 MA's), (Start: 97 @10426 has 14 MA's), (104, 10435), (Start: 128 @10495 has 1 MA's), (148, 10552), (166, 10588), (181, 10633), (187, 10660), (265, 10864), (276, 10894), (296, 10930), (331, 10975), (345, 10984), (352, 10999), (421, 11137), (422, 11140), (427, 11158), (428, 11164), (440, 11206), (494, 11398), (515, 11485), (524, 11515), (539, 11560), (553, 11608), (555, 11623), (582, 11686), (587, 11710), (588, 11716), (590, 11725), (612, 11794), (629, 11845), (631, 11848), (638, 11860),

Gene: Coco12_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Coco12_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Cocoaberry_12 Start: 8582, Stop: 10033, Start Num: 74

Candidate Starts for Cocoaberry_12:

(Start: 74 @8582 has 580 MA's), (156, 8729), (160, 8741), (217, 8909), (224, 8939), (244, 8978), (253, 8996), (278, 9056), (385, 9185), (394, 9203), (399, 9215), (432, 9314), (434, 9320), (440, 9341), (441, 9347), (475, 9416), (497, 9476), (507, 9521), (545, 9647), (546, 9650), (558, 9701), (564, 9722), (575, 9752), (602, 9842), (613, 9878), (620, 9908), (633, 9938),

Gene: CoffeeBean_29 Start: 15809, Stop: 17398, Start Num: 66

Candidate Starts for CoffeeBean_29:

(50, 15782), (Start: 66 @15809 has 7 MA's), (Start: 71 @15815 has 30 MA's), (Start: 76 @15824 has 71 MA's), (89, 15842), (90, 15845), (121, 15902), (153, 15995), (210, 16169), (211, 16175), (259, 16295), (292, 16370), (298, 16379), (348, 16427), (436, 16607), (441, 16628), (446, 16646), (450, 16658), (493, 16763), (500, 16790), (509, 16835), (513, 16847), (522, 16880), (548, 16958), (553, 16979), (558, 17003), (560, 17012), (570, 17036), (607, 17156), (609, 17165), (615, 17189),

Gene: Colbster_14 Start: 8654, Stop: 10108, Start Num: 74

Candidate Starts for Colbster_14:

(Start: 74 @8654 has 580 MA's), (Start: 110 @8684 has 2 MA's), (121, 8711), (160, 8816), (202, 8930), (221, 8996), (244, 9053), (278, 9131), (279, 9134), (394, 9275), (432, 9386), (434, 9392), (440, 9413), (507, 9578), (545, 9704), (558, 9758), (559, 9764), (564, 9779), (580, 9815), (604, 9902), (613, 9932), (620, 9962), (645, 10007), (652, 10016),

Gene: Colin_17 Start: 10885, Stop: 12345, Start Num: 74

Candidate Starts for Colin_17:

(Start: 74 @10885 has 580 MA's), (121, 10945), (160, 11050), (265, 11332), (278, 11365), (395, 11512), (399, 11521), (426, 11593), (432, 11620), (434, 11626), (440, 11647), (455, 11698), (558, 11992), (563, 12010), (564, 12013), (575, 12040), (580, 12049), (613, 12166), (620, 12196), (633, 12226), (651, 12250),

Gene: Collard_7 Start: 2765, Stop: 4300, Start Num: 47

Candidate Starts for Collard_7:

(Start: 47 @2765 has 130 MA's), (104, 2837), (121, 2873), (124, 2882), (136, 2927), (174, 3011), (178, 3023), (185, 3053), (191, 3071), (210, 3122), (220, 3158), (226, 3185), (265, 3236), (267, 3239), (269, 3245), (274, 3260), (275, 3263), (317, 3335), (326, 3356), (342, 3386), (365, 3431), (394, 3485), (415, 3530), (426, 3563), (435, 3599), (436, 3602), (437, 3605), (482, 3668), (489, 3686), (490, 3692), (508, 3764), (512, 3776), (513, 3779), (517, 3794), (536, 3839), (537, 3854), (544, 3875), (557, 3929), (558, 3932), (563, 3950), (568, 3965), (590, 4031), (593, 4046), (601, 4067), (607, 4085), (612, 4103), (624, 4139), (674, 4226),

Gene: Colleen_4 Start: 2870, Stop: 4285, Start Num: 83

Candidate Starts for Colleen_4:

(Start: 83 @2870 has 5 MA's), (129, 2960), (178, 3089), (183, 3113), (210, 3185), (220, 3221), (339, 3458), (376, 3512), (419, 3608), (434, 3662), (445, 3704), (483, 3746), (540, 3944), (598, 4142),

Gene: Commandaria_27 Start: 15204, Stop: 16781, Start Num: 71

Candidate Starts for Commandaria_27:

(Start: 71 @15204 has 30 MA's), (Start: 74 @15210 has 580 MA's), (Start: 79 @15213 has 5 MA's), (87, 15225), (121, 15288), (182, 15465), (185, 15480), (210, 15558), (216, 15582), (254, 15672), (348, 15816), (371, 15843), (436, 15999), (441, 16020), (445, 16035), (450, 16050), (486, 16131), (493, 16155), (513, 16239), (522, 16272), (553, 16371), (558, 16395), (560, 16404), (569, 16425), (584, 16464), (607, 16548), (609, 16557),

Gene: Commander_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Commander_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Community_4 Start: 3337, Stop: 4719, Start Num: 99

Candidate Starts for Community_4:

(Start: 99 @3337 has 43 MA's), (Start: 149 @3457 has 2 MA's), (185, 3556), (310, 3820), (449, 4093), (515, 4252), (534, 4300), (540, 4330), (548, 4354), (598, 4528), (647, 4648),

Gene: Conan_10 Start: 3902, Stop: 5335, Start Num: 102

Candidate Starts for Conan_10:

(Start: 102 @3902 has 236 MA's), (Start: 149 @4019 has 2 MA's), (172, 4067), (175, 4079), (263, 4322), (319, 4409), (353, 4469), (369, 4487), (373, 4493), (423, 4592), (443, 4667), (448, 4685), (470, 4724), (483, 4760), (511, 4862), (558, 5024), (563, 5042), (585, 5099), (609, 5189), (622, 5231), (661, 5297), (681, 5321),

Gene: ConceptII_12 Start: 8910, Stop: 10352, Start Num: 109

Candidate Starts for ConceptII_12:

(64, 8844), (Start: 109 @8910 has 196 MA's), (183, 9108), (265, 9321), (394, 9516), (395, 9519), (432, 9627), (453, 9699), (509, 9822), (521, 9861), (545, 9939), (547, 9945), (558, 9993), (561, 10005), (564, 10014), (580, 10047), (592, 10104), (620, 10194), (635, 10227), (644, 10239),

Gene: Connomayer_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Connomayer_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Conquerage_14 Start: 9923, Stop: 11410, Start Num: 74

Candidate Starts for Conquerage_14:

(Start: 74 @9923 has 580 MA's), (121, 9986), (160, 10091), (185, 10160), (229, 10301), (248, 10340), (265, 10373), (288, 10427), (394, 10550), (411, 10586), (415, 10595), (426, 10634), (432, 10661), (434, 10667), (440, 10688), (441, 10694), (455, 10739), (479, 10763), (487, 10778), (558, 11033), (563, 11051), (575, 11081), (576, 11084), (580, 11090), (611, 11201), (613, 11207), (620, 11237), (645, 11282), (651, 11291),

Gene: Conspiracy_10 Start: 7757, Stop: 9190, Start Num: 76

Candidate Starts for Conspiracy_10:

(Start: 76 @7757 has 71 MA's), (173, 7925), (177, 7940), (179, 7946), (229, 8114), (244, 8141), (278, 8219), (344, 8300), (398, 8372), (399, 8375), (426, 8447), (434, 8480), (440, 8501), (448, 8531), (479, 8576), (545, 8792), (558, 8846), (563, 8864), (580, 8903), (613, 9020), (620, 9050), (633, 9080), (652, 9104),

Gene: Constance_3 Start: 2384, Stop: 3745, Start Num: 98

Candidate Starts for Constance_3:

(Start: 98 @2384 has 18 MA's), (144, 2501), (170, 2552), (175, 2570), (184, 2606), (202, 2654), (246, 2780), (281, 2861), (301, 2891), (356, 2966), (399, 3035), (431, 3125), (436, 3140), (513, 3332), (535, 3386), (565, 3506), (594, 3596), (636, 3710),

Gene: Coog_10 Start: 7907, Stop: 9340, Start Num: 76

Candidate Starts for Coog_10:

(Start: 76 @7907 has 71 MA's), (168, 8063), (173, 8075), (177, 8090), (179, 8096), (229, 8264), (244, 8291), (278, 8369), (344, 8450), (398, 8522), (399, 8525), (426, 8597), (434, 8630), (440, 8651), (444, 8669), (448, 8681), (479, 8726), (545, 8942), (558, 8996), (563, 9014), (580, 9053), (613, 9170), (620, 9200), (633, 9230), (652, 9254),

Gene: CookieBear_4 Start: 2275, Stop: 3612, Start Num: 108

Candidate Starts for CookieBear_4:

(39, 2152), (41, 2155), (52, 2197), (60, 2209), (Start: 93 @2263 has 3 MA's), (Start: 108 @2275 has 17 MA's), (127, 2323), (150, 2386), (156, 2398), (254, 2656), (278, 2713), (311, 2761), (386, 2848), (390, 2857), (404, 2884), (430, 2965), (434, 2977), (435, 2980), (441, 3004), (509, 3172), (525, 3226), (545, 3289), (548, 3298), (560, 3352), (576, 3391), (593, 3457), (620, 3538), (627, 3547), (657, 3598),

Gene: Cookiedough_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for Cookiedough_16:

(Start: 74 @9274 has 580 MA's), (94, 9295), (121, 9334), (152, 9421), (157, 9433), (160, 9439), (265, 9721), (408, 9934), (426, 9985), (432, 10012), (434, 10018), (440, 10039), (564, 10405), (575, 10432), (580, 10441), (593, 10501), (613, 10558), (620, 10588), (633, 10618), (653, 10645),

Gene: Cornie_3 Start: 2288, Stop: 3727, Start Num: 58

Candidate Starts for Cornie_3:

(37, 2216), (39, 2234), (43, 2258), (Start: 58 @2288 has 1 MA's), (63, 2297), (125, 2408), (135, 2438), (138, 2453), (142, 2468), (159, 2498), (164, 2510), (166, 2513), (177, 2543), (179, 2549), (181, 2558), (182, 2561), (183, 2570), (207, 2639), (212, 2663), (222, 2696), (226, 2714), (228, 2717), (276, 2771), (294, 2804), (366, 2888), (375, 2903), (392, 2936), (453, 3086), (472, 3152), (477, 3170), (494, 3218), (513, 3296), (524, 3335), (539, 3380), (540, 3383), (554, 3440), (557, 3449), (560, 3461), (563, 3470), (590, 3545), (603, 3584), (612, 3614), (621, 3650),

Gene: Cornucopia_4 Start: 2201, Stop: 3622, Start Num: 101

Candidate Starts for Cornucopia_4:

(Start: 101 @2201 has 52 MA's), (116, 2228), (121, 2240), (172, 2369), (178, 2390), (185, 2420), (210, 2489), (215, 2510), (224, 2546), (226, 2552), (253, 2576), (254, 2579), (285, 2654), (289, 2660), (319, 2705), (339, 2747), (394, 2849), (398, 2858), (399, 2861), (404, 2870), (418, 2900), (420, 2909), (430, 2948), (436, 2966), (437, 2969), (444, 2999), (490, 3056), (502, 3095), (512, 3140), (517, 3158), (525, 3185), (532, 3197), (534, 3200), (536, 3206), (548, 3254), (583, 3362), (601, 3434), (606, 3449), (608, 3458), (609, 3461), (630, 3521), (638, 3533), (654, 3557), (666, 3581),

Gene: Corvo_12 Start: 8854, Stop: 10296, Start Num: 109

Candidate Starts for Corvo_12:

(64, 8788), (Start: 109 @8854 has 196 MA's), (183, 9052), (265, 9265), (394, 9460), (399, 9472), (432, 9571), (509, 9766), (521, 9805), (545, 9883), (547, 9889), (558, 9937), (561, 9949), (564, 9958), (592, 10048), (620, 10138), (635, 10171), (644, 10183),

Gene: CosmicSans_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for CosmicSans_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Cosmo_27 Start: 9741, Stop: 11180, Start Num: 79

Candidate Starts for Cosmo_27:

(57, 9708), (73, 9732), (Start: 79 @9741 has 5 MA's), (114, 9792), (121, 9804), (125, 9816), (175, 9948), (177, 9954), (178, 9957), (179, 9960), (183, 9981), (185, 9987), (209, 10047), (210, 10056), (215, 10077), (247, 10155), (385, 10335), (399, 10365), (407, 10383), (415, 10398), (424, 10425), (432, 10458), (436, 10470), (437, 10473), (449, 10518), (482, 10554), (490, 10575), (506, 10638), (521, 10689), (545, 10761), (558, 10815), (560, 10824), (588, 10905), (594, 10935), (608, 10977), (615, 11004), (640, 11055), (646, 11064), (684, 11121), (700, 11160),

Gene: Crewmate_4 Start: 2695, Stop: 4074, Start Num: 99

Candidate Starts for Crewmate_4:

(Start: 99 @2695 has 43 MA's), (Start: 149 @2815 has 2 MA's), (185, 2914), (310, 3178), (383, 3271), (449, 3451), (515, 3607), (534, 3655), (540, 3685), (548, 3709), (598, 3883), (612, 3928), (647, 4003),

Gene: CrimD_9 Start: 2995, Stop: 4548, Start Num: 47

Candidate Starts for CrimD_9:

(31, 2866), (33, 2893), (Start: 42 @2980 has 24 MA's), (Start: 47 @2995 has 130 MA's), (117, 3094), (121, 3103), (143, 3175), (Start: 149 @3184 has 2 MA's), (158, 3208), (174, 3241), (185, 3283), (210, 3352), (215, 3373), (225, 3412), (269, 3481), (274, 3496), (317, 3571), (326, 3592), (357, 3646), (415, 3766), (426, 3799), (430, 3820), (437, 3841), (444, 3871), (482, 3904), (489, 3922), (508, 4000), (512, 4012), (513, 4015), (516, 4027), (517, 4030), (534, 4066), (546, 4114), (563, 4183), (593, 4279), (601, 4300), (609, 4327), (612, 4336), (624, 4372), (652, 4426),

Gene: Crispicous1_11 Start: 8138, Stop: 9580, Start Num: 109

Candidate Starts for Crispicous1_11:

(64, 8072), (Start: 109 @8138 has 196 MA's), (183, 8336), (265, 8549), (394, 8744), (399, 8756), (432, 8855), (453, 8927), (509, 9050), (521, 9089), (545, 9167), (547, 9173), (558, 9221), (561, 9233), (564, 9242), (592, 9332), (620, 9422), (635, 9455), (644, 9467),

Gene: Crossroads_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Crossroads_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (485, 3478), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: Crucio_13 Start: 9170, Stop: 10633, Start Num: 74

Candidate Starts for Crucio_13:

(Start: 74 @9170 has 580 MA's), (121, 9230), (160, 9335), (224, 9533), (265, 9617), (278, 9650), (374, 9761), (426, 9878), (432, 9905), (434, 9911), (440, 9932), (455, 9983), (509, 10106), (558, 10277), (563, 10295), (564, 10298), (575, 10325), (580, 10334), (613, 10451), (620, 10481), (633, 10511),

Gene: Cruella_13 Start: 8780, Stop: 10342, Start Num: 81

Candidate Starts for Cruella_13:

(Start: 71 @8765 has 30 MA's), (Start: 81 @8780 has 6 MA's), (118, 8843), (125, 8864), (136, 8906), (161, 8966), (164, 8975), (170, 8984), (181, 9023), (210, 9119), (256, 9239), (259, 9245), (283, 9308), (287, 9314), (379, 9428), (388, 9449), (414, 9503), (421, 9527), (441, 9602), (445, 9617), (450, 9632), (493, 9737), (496, 9746), (522, 9854), (561, 9986), (585, 10049), (594, 10094), (610, 10139), (612, 10145), (618, 10172), (621, 10181), (628, 10196), (689, 10280),

Gene: Crumble_3 Start: 2241, Stop: 3611, Start Num: 102

Candidate Starts for Crumble_3:

(Start: 102 @2241 has 236 MA's), (Start: 120 @2277 has 8 MA's), (Start: 128 @2301 has 1 MA's), (132, 2310), (134, 2316), (135, 2319), (148, 2358), (177, 2424), (178, 2427), (198, 2496), (210, 2535), (212, 2544), (227, 2592), (265, 2652), (285, 2700), (320, 2745), (380, 2790), (391, 2817), (413, 2862), (421, 2883), (422, 2886), (423, 2889), (428, 2910), (430, 2919), (444, 2970), (445, 2973), (448, 2982), (459, 3012), (467, 3033), (493, 3102), (496, 3111), (506, 3162), (507, 3165), (524, 3225), (526, 3231), (550, 3309), (558, 3342), (561, 3354), (580, 3393), (587, 3417), (642, 3579),

Gene: Cuco_10 Start: 7938, Stop: 9371, Start Num: 76

Candidate Starts for Cuco_10:

(Start: 76 @7938 has 71 MA's), (168, 8094), (173, 8106), (177, 8121), (179, 8127), (229, 8295), (244, 8322), (278, 8400), (344, 8481), (398, 8553), (399, 8556), (426, 8628), (434, 8661), (440, 8682), (444, 8700), (448, 8712), (479, 8757), (545, 8973), (558, 9027), (563, 9045), (580, 9084), (604, 9171), (613, 9201), (620, 9231), (633, 9261), (652, 9285),

Gene: Cucurbita_33 Start: 11733, Stop: 13349, Start Num: 62

Candidate Starts for Cucurbita_33:

(Start: 62 @11733 has 16 MA's), (Start: 97 @11784 has 14 MA's), (104, 11793), (Start: 128 @11853 has 1 MA's), (148, 11910), (166, 11946), (181, 11991), (187, 12018), (265, 12222), (276, 12252), (296, 12288), (331, 12333), (345, 12342), (352, 12357), (421, 12495), (422, 12498), (427, 12516), (428, 12522), (440, 12564), (494, 12756), (515, 12843), (524, 12873), (539, 12918), (553, 12966), (555, 12981), (582, 13044), (587, 13068), (588, 13074), (590, 13083), (612, 13152), (629, 13203), (631, 13206), (638, 13218),

Gene: Cueyllyss_12 Start: 8807, Stop: 10291, Start Num: 109

Candidate Starts for Cueyllyss_12:

(64, 8741), (Start: 109 @8807 has 196 MA's), (183, 9005), (265, 9218), (394, 9413), (399, 9425), (432, 9524), (453, 9596), (509, 9719), (521, 9758), (545, 9836), (547, 9842), (558, 9890), (561, 9902), (564, 9911), (592, 10001), (620, 10091), (635, 10124), (644, 10136),

Gene: Cullens_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for Cullens_14:

(Start: 74 @8652 has 580 MA's), (Start: 110 @8682 has 2 MA's), (121, 8709), (160, 8814), (202, 8928), (221, 8994), (244, 9051), (278, 9129), (279, 9132), (394, 9273), (432, 9384), (434, 9390), (440, 9411), (507, 9576), (545, 9702), (558, 9756), (559, 9762), (564, 9777), (580, 9813), (604, 9900), (613, 9930), (620, 9960), (645, 10005), (652, 10014),

Gene: Culver_31 Start: 10194, Stop: 11810, Start Num: 62

Candidate Starts for Culver_31:

(Start: 62 @10194 has 16 MA's), (Start: 97 @10245 has 14 MA's), (104, 10254), (Start: 128 @10314 has 1 MA's), (148, 10371), (164, 10404), (166, 10407), (181, 10452), (187, 10479), (265, 10683), (276, 10713), (296, 10749), (331, 10794), (345, 10803), (352, 10818), (422, 10959), (427, 10977), (428, 10983), (440, 11025), (494, 11217), (515, 11304), (524, 11334), (539, 11379), (553, 11427), (555, 11442), (582, 11505), (587, 11529), (588, 11535), (590, 11544), (612, 11613), (629, 11664), (631, 11667), (638, 11679),

Gene: Curiosium_10 Start: 3386, Stop: 4957, Start Num: 42

Candidate Starts for Curiosium_10:

(33, 3293), (Start: 42 @3386 has 24 MA's), (Start: 47 @3401 has 130 MA's), (89, 3449), (117, 3497), (121, 3506), (124, 3515), (Start: 149 @3587 has 2 MA's), (158, 3611), (174, 3644), (177, 3653), (210, 3755), (215, 3776), (220, 3791), (224, 3812), (226, 3818), (269, 3881), (274, 3896), (292, 3935), (326, 3992), (415, 4166), (430, 4220), (435, 4235), (437, 4241), (444, 4271), (489, 4322), (508, 4400), (512, 4412), (513, 4415), (516, 4427), (517, 4430), (521, 4442), (534, 4466), (563, 4583), (592, 4676), (593, 4679), (601, 4700), (608, 4724), (609, 4727), (612, 4736), (642, 4811), (674, 4859),

Gene: Cyan_3 Start: 2269, Stop: 3645, Start Num: 99

Candidate Starts for Cyan_3:

(Start: 99 @2269 has 43 MA's), (Start: 149 @2389 has 2 MA's), (185, 2488), (198, 2527), (310, 2752), (324, 2767), (383, 2845), (449, 3025), (518, 3193), (534, 3232), (540, 3262), (548, 3286), (598, 3460), (601, 3469), (647, 3580),

Gene: D29_14 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for D29_14:

(Start: 74 @9159 has 580 MA's), (121, 9219), (156, 9312), (160, 9324), (256, 9588), (265, 9606), (374, 9750), (398, 9792), (426, 9867), (432, 9894), (434, 9900), (440, 9921), (441, 9927), (558, 10266), (564, 10287), (575, 10314), (580, 10323), (604, 10410), (613, 10440), (620, 10470), (633, 10500), (651, 10524),

Gene: D32_16 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for D32_16:

(Start: 74 @9159 has 580 MA's), (121, 9219), (156, 9312), (160, 9324), (256, 9588), (265, 9606), (374, 9750), (398, 9792), (426, 9867), (432, 9894), (434, 9900), (440, 9921), (441, 9927), (558, 10266), (564, 10287), (575, 10314), (580, 10323), (604, 10410), (613, 10440), (620, 10470), (633, 10500), (651, 10524),

Gene: DBQu4n_16 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for DBQu4n_16:

(Start: 74 @9159 has 580 MA's), (121, 9219), (156, 9312), (160, 9324), (265, 9606), (374, 9750), (398, 9792), (426, 9867), (432, 9894), (434, 9900), (440, 9921), (441, 9927), (558, 10266), (564, 10287), (575, 10314), (580, 10323), (604, 10410), (613, 10440), (620, 10470), (633, 10500), (651, 10524),

Gene: DD5_13 Start: 9389, Stop: 10831, Start Num: 109

Candidate Starts for DD5_13:

(64, 9323), (Start: 109 @9389 has 196 MA's), (183, 9587), (265, 9800), (394, 9995), (399, 10007), (432, 10106), (509, 10301), (521, 10340), (545, 10418), (547, 10424), (557, 10469), (558, 10472), (561, 10484), (564, 10493), (580, 10526), (592, 10583), (620, 10673), (635, 10706), (644, 10718),

Gene: DLane_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for DLane_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (525, 3242), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: DRBy19_3 Start: 2256, Stop: 3626, Start Num: 102

Candidate Starts for DRBy19_3:

(Start: 102 @2256 has 236 MA's), (Start: 120 @2292 has 8 MA's), (Start: 128 @2316 has 1 MA's), (132, 2325), (134, 2331), (135, 2334), (148, 2373), (177, 2439), (178, 2442), (198, 2511), (210, 2550), (212, 2559), (227, 2607), (265, 2667), (285, 2715), (320, 2760), (380, 2805), (391, 2832), (413, 2877), (421, 2898), (422, 2901), (423, 2904), (428, 2925), (430, 2934), (444, 2985), (445, 2988), (448, 2997), (459, 3027), (467, 3048), (493, 3117), (496, 3126), (506, 3177), (507, 3180), (522, 3234), (524, 3240), (525, 3243), (526, 3246), (545, 3303), (558, 3357), (561, 3369), (576, 3402), (580, 3408), (587, 3432), (631, 3576), (642, 3594),

Gene: DS6A_6 Start: 3643, Stop: 5166, Start Num: 101

Candidate Starts for DS6A_6:

(Start: 101 @3643 has 52 MA's), (117, 3673), (121, 3682), (124, 3691), (130, 3709), (136, 3736), (Start: 149 @3763 has 2 MA's), (174, 3820), (175, 3823), (182, 3847), (185, 3862), (210, 3931), (215, 3952), (220, 3967), (226, 3994), (253, 4018), (324, 4162), (339, 4189), (341, 4192), (363, 4237), (378, 4273), (385, 4288), (394, 4306), (398, 4315), (399, 4318), (416, 4354), (435, 4420), (437, 4426), (444, 4456), (451, 4477), (482, 4498), (487, 4513), (490, 4522), (517, 4621), (521, 4633), (532, 4660), (544, 4705), (549, 4726), (557, 4759), (563, 4780), (591, 4861), (608, 4927), (609, 4930), (612, 4939), (617, 4963), (631, 4993), (692, 5104),

Gene: DaHudson_14 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for DaHudson_14:

(Start: 74 @8646 has 580 MA's), (Start: 110 @8676 has 2 MA's), (121, 8703), (160, 8808), (202, 8922), (221, 8988), (244, 9045), (278, 9123), (279, 9126), (394, 9267), (432, 9378), (434, 9384), (440, 9405), (507, 9570), (545, 9696), (558, 9750), (559, 9756), (564, 9771), (580, 9807), (604, 9894), (613, 9924), (620, 9954), (645, 9999), (652, 10008),

Gene: DaVinci_16 Start: 9285, Stop: 10748, Start Num: 74

Candidate Starts for DaVinci_16:

(Start: 74 @9285 has 580 MA's), (94, 9306), (121, 9345), (152, 9432), (157, 9444), (160, 9450), (265, 9732), (408, 9945), (426, 9996), (432, 10023), (434, 10029), (440, 10050), (564, 10416), (575, 10443), (580, 10452), (593, 10512), (613, 10569), (620, 10599), (633, 10629), (653, 10656),

Gene: DaWorst_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for DaWorst_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: DaddyRickover_3 Start: 2275, Stop: 3609, Start Num: 120

Candidate Starts for DaddyRickover_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Dadosky_7 Start: 2788, Stop: 4326, Start Num: 47

Candidate Starts for Dadosky_7:

(Start: 47 @2788 has 130 MA's), (117, 2890), (121, 2899), (136, 2953), (174, 3037), (178, 3049), (185, 3079), (191, 3097), (210, 3148), (220, 3184), (225, 3208), (226, 3211), (267, 3265), (274, 3286), (317, 3361), (326, 3382), (342, 3412), (365, 3457), (394, 3511), (415, 3556), (426, 3589), (435, 3625), (437, 3631), (482, 3694), (489, 3712), (508, 3790), (512, 3802), (513, 3805), (517, 3820), (536, 3865), (537, 3880), (544, 3901), (546, 3907), (557, 3955), (558, 3958), (563, 3976), (568, 3991), (590, 4057), (593, 4072), (601, 4093), (612, 4129), (624, 4165), (674, 4252),

Gene: Daenerys_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Daenerys_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Daishi_13 Start: 7579, Stop: 9033, Start Num: 74

Candidate Starts for Daishi_13:

(Start: 74 @7579 has 580 MA's), (Start: 110 @7609 has 2 MA's), (121, 7636), (160, 7741), (202, 7855), (221, 7921), (244, 7978), (278, 8056), (279, 8059), (394, 8200), (432, 8311), (434, 8317), (440, 8338), (507, 8503), (545, 8629), (558, 8683), (559, 8689), (564, 8704), (580, 8740), (604, 8827), (613, 8857), (620, 8887), (645, 8932), (652, 8941),

Gene: Dalilpop_30 Start: 16300, Stop: 17877, Start Num: 71

Candidate Starts for Dalilpop_30:

(Start: 71 @16300 has 30 MA's), (185, 16576), (348, 16912), (403, 16999), (441, 17116), (450, 17146), (486, 17227), (522, 17368), (553, 17467), (558, 17491), (560, 17500), (575, 17536), (584, 17560), (607, 17644), (609, 17653), (619, 17692), (621, 17698),

Gene: Dalmatian_13 Start: 9320, Stop: 10783, Start Num: 74

Candidate Starts for Dalmatian_13:

(Start: 74 @9320 has 580 MA's), (121, 9380), (160, 9485), (224, 9683), (265, 9767), (278, 9800), (374, 9911), (426, 10028), (432, 10055), (434, 10061), (440, 10082), (441, 10088), (455, 10133), (509, 10256), (558, 10427), (563, 10445), (564, 10448), (575, 10475), (580, 10484), (613, 10601), (620, 10631), (633, 10661), (651, 10685),

Gene: Dalmuri_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Dalmuri_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Danforth_9 Start: 7437, Stop: 8867, Start Num: 76

Candidate Starts for Danforth_9:

(Start: 76 @7437 has 71 MA's), (159, 7587), (211, 7734), (265, 7869), (344, 7980), (394, 8043), (415, 8088), (432, 8154), (440, 8181), (507, 8346), (537, 8448), (558, 8526), (559, 8532), (580, 8583), (613, 8700), (620, 8730), (652, 8784),

Gene: Dante_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Dante_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Danzina_8 Start: 4255, Stop: 5691, Start Num: 102

Candidate Starts for Danzina_8:

(Start: 96 @4249 has 4 MA's), (Start: 102 @4255 has 236 MA's), (117, 4279), (125, 4303), (Start: 149 @4372 has 2 MA's), (172, 4420), (185, 4471), (228, 4624), (253, 4654), (298, 4738), (326, 4780), (373, 4846), (419, 4936), (423, 4948), (448, 5041), (483, 5119), (498, 5164), (511, 5221), (518, 5245), (578, 5434), (585, 5458), (681, 5677),

Gene: Daredevil_13 Start: 6745, Stop: 8310, Start Num: 61

Candidate Starts for Daredevil_13:

(Start: 61 @6745 has 5 MA's), (Start: 97 @6796 has 14 MA's), (166, 6961), (181, 7006), (205, 7081), (206, 7084), (212, 7111), (242, 7192), (265, 7210), (267, 7213), (307, 7291), (331, 7321), (409, 7444), (428, 7504), (445, 7567), (474, 7675), (513, 7813), (524, 7852), (540, 7900), (548, 7924), (563, 7987), (600, 8092), (612, 8131), (629, 8182), (631, 8185), (638, 8197),

Gene: Darrell_15 Start: 10119, Stop: 11597, Start Num: 74

Candidate Starts for Darrell_15:

(Start: 74 @10119 has 580 MA's), (89, 10131), (121, 10179), (160, 10284), (221, 10464), (229, 10494), (265, 10566), (394, 10743), (411, 10779), (415, 10788), (426, 10827), (432, 10854), (434, 10860), (440, 10881), (455, 10932), (479, 10956), (487, 10971), (558, 11226), (563, 11244), (575, 11274), (576, 11277), (580, 11283), (604, 11370), (611, 11394), (613, 11400), (620, 11430), (645, 11475), (651, 11484),

Gene: DarthP_8 Start: 2823, Stop: 4376, Start Num: 47

Candidate Starts for DarthP_8:

(33, 2718), (Start: 42 @2808 has 24 MA's), (Start: 47 @2823 has 130 MA's), (117, 2922), (121, 2931), (123, 2937), (Start: 149 @3012 has 2 MA's), (158, 3036), (174, 3069), (191, 3129), (210, 3180), (215, 3201), (220, 3216), (269, 3306), (274, 3321), (317, 3396), (326, 3417), (339, 3441), (376, 3510), (399, 3558), (415, 3591), (418, 3597), (426, 3624), (430, 3645), (437, 3666), (482, 3729), (489, 3747), (508, 3825), (512, 3837), (513, 3840), (517, 3855), (525, 3882), (546, 3939), (557, 3987), (558, 3990), (563, 4008), (570, 4029), (582, 4050), (590, 4089), (593, 4104), (608, 4149), (609, 4152), (612, 4161), (624, 4197), (628, 4212),

Gene: DARTHPhader_14 Start: 10104, Stop: 11573, Start Num: 74

Candidate Starts for DARTHPhader_14:

(Start: 74 @10104 has 580 MA's), (121, 10164), (152, 10251), (160, 10269), (202, 10383), (229, 10479), (256, 10533), (265, 10551), (278, 10584), (393, 10725), (426, 10812), (432, 10839), (434, 10845), (440, 10866), (455, 10917), (558, 11211), (563, 11229), (569, 11247), (575, 11259), (580, 11268), (593, 11328), (613, 11385), (620, 11415), (625, 11424), (633, 11445), (651, 11469),

Gene: Darwin_16 Start: 9510, Stop: 11087, Start Num: 71

Candidate Starts for Darwin_16:

(Start: 71 @9510 has 30 MA's), (Start: 81 @9525 has 6 MA's), (118, 9588), (125, 9609), (136, 9651), (161, 9711), (164, 9720), (170, 9729), (210, 9864), (256, 9984), (259, 9990), (283, 10053), (287, 10059), (379, 10173), (388, 10194), (414, 10248), (421, 10272), (441, 10347), (445, 10362), (450, 10377), (493, 10482), (496, 10491), (522, 10599), (533, 10620), (548, 10674), (561, 10731), (585, 10794), (594, 10839), (610, 10884), (612, 10890), (618, 10917), (621, 10926), (628, 10941), (689, 11025),

Gene: DatBoi_14 Start: 8659, Stop: 10218, Start Num: 61

Candidate Starts for DatBoi_14:

(Start: 61 @8659 has 5 MA's), (166, 8875), (179, 8911), (181, 8920), (204, 8992), (212, 9025), (265, 9124), (267, 9127), (302, 9199), (358, 9265), (409, 9358), (421, 9391), (422, 9394), (428, 9418), (445, 9481), (458, 9520), (461, 9532), (474, 9589), (499, 9664), (513, 9727), (524, 9766), (540, 9814), (548, 9838), (563, 9901), (589, 9973), (592, 9988), (612, 10045), (623, 10084), (629, 10096), (631, 10099), (640, 10114), (646, 10123),

Gene: Dattran_8 Start: 4056, Stop: 5492, Start Num: 102

Candidate Starts for Dattran_8:

(Start: 96 @4050 has 4 MA's), (Start: 102 @4056 has 236 MA's), (117, 4080), (125, 4104), (Start: 149 @4173 has 2 MA's), (172, 4221), (185, 4272), (253, 4455), (298, 4539), (326, 4581), (419, 4737), (423, 4749), (448, 4842), (483, 4920), (498, 4965), (511, 5022), (578, 5235), (585, 5259), (681, 5478),

Gene: Datway_12 Start: 8587, Stop: 10044, Start Num: 74

Candidate Starts for Datway_12:

(Start: 74 @8587 has 580 MA's), (156, 8737), (160, 8749), (211, 8896), (217, 8917), (224, 8947), (244, 8986), (253, 9004), (278, 9064), (385, 9193), (394, 9211), (399, 9223), (411, 9247), (432, 9322), (434, 9328), (440, 9349), (441, 9355), (497, 9484), (507, 9529), (545, 9655), (546, 9658), (558, 9709), (564, 9730), (575, 9757), (602, 9847), (613, 9883), (615, 9895), (620, 9913), (633, 9943),

Gene: Daudau_7 Start: 3834, Stop: 5315, Start Num: 102

Candidate Starts for Daudau_7:

(Start: 102 @3834 has 236 MA's), (Start: 149 @3951 has 2 MA's), (172, 3999), (185, 4050), (205, 4122), (210, 4143), (326, 4356), (373, 4422), (419, 4512), (423, 4524), (434, 4566), (443, 4599), (445, 4608), (448, 4617), (454, 4635), (482, 4734), (498, 4782), (511, 4839), (585, 5076), (612, 5175), (622, 5208), (681, 5301),

Gene: DeadP_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for DeadP_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Deano_12 Start: 8584, Stop: 10035, Start Num: 74

Candidate Starts for Deano_12:

(Start: 74 @8584 has 580 MA's), (156, 8731), (160, 8743), (217, 8911), (224, 8941), (244, 8980), (253, 8998), (278, 9058), (385, 9187), (394, 9205), (399, 9217), (432, 9316), (434, 9322), (440, 9343), (441, 9349), (475, 9418), (497, 9478), (507, 9523), (545, 9649), (546, 9652), (558, 9703), (564, 9724), (575, 9754), (602, 9844), (613, 9880), (620, 9910), (633, 9940),

Gene: Deb65_3 Start: 2275, Stop: 3609, Start Num: 120

Candidate Starts for Deb65_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Deby_9 Start: 3008, Stop: 4561, Start Num: 47

Candidate Starts for Deby_9:

(17, 2597), (26, 2765), (31, 2879), (33, 2906), (Start: 42 @2993 has 24 MA's), (Start: 47 @3008 has 130 MA's), (117, 3110), (121, 3119), (124, 3128), (Start: 149 @3200 has 2 MA's), (174, 3257), (177, 3266), (185, 3299), (186, 3302), (191, 3317), (210, 3368), (215, 3389), (274, 3509), (317, 3584), (326, 3605), (342, 3635), (399, 3746), (415, 3779), (426, 3812), (430, 3833), (437, 3854), (444, 3884), (482, 3917), (489, 3935), (508, 4013), (512, 4025), (513, 4028), (516, 4040), (517, 4043), (534, 4079), (546, 4127), (558, 4178), (563, 4196), (593, 4292), (601, 4313), (609, 4340), (612, 4349), (624, 4385), (652, 4439),

Gene: DekHockey33_15 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for DekHockey33_15:

(Start: 74 @8502 has 580 MA's), (121, 8562), (160, 8667), (184, 8733), (248, 8916), (265, 8949), (278, 8982), (426, 9213), (432, 9240), (434, 9246), (440, 9267), (445, 9288), (455, 9318), (479, 9342), (507, 9432), (515, 9462), (545, 9558), (552, 9585), (558, 9612), (563, 9630), (564, 9633), (575, 9666), (580, 9675), (613, 9792), (620, 9822), (651, 9876),

Gene: Deloris_14 Start: 9652, Stop: 11112, Start Num: 74

Candidate Starts for Deloris_14:

(Start: 74 @9652 has 580 MA's), (121, 9712), (160, 9817), (256, 10081), (265, 10099), (278, 10132), (374, 10243), (432, 10387), (434, 10393), (440, 10414), (441, 10420), (455, 10465), (515, 10609), (544, 10702), (551, 10729), (558, 10759), (563, 10777), (564, 10780), (575, 10807), (580, 10816), (613, 10933), (616, 10948), (620, 10963), (633, 10993), (651, 11017),

Gene: Devera_9 Start: 3022, Stop: 4590, Start Num: 42

Candidate Starts for Devera_9:

(26, 2794), (31, 2908), (33, 2935), (Start: 42 @3022 has 24 MA's), (Start: 47 @3037 has 130 MA's), (117, 3139), (121, 3148), (Start: 149 @3229 has 2 MA's), (158, 3253), (177, 3295), (185, 3328), (210, 3397), (215, 3418), (226, 3460), (269, 3523), (274, 3538), (317, 3613), (326, 3634), (342, 3664), (399,

3775), (415, 3808), (426, 3841), (437, 3883), (444, 3913), (482, 3946), (489, 3964), (508, 4042), (512, 4054), (513, 4057), (516, 4069), (517, 4072), (534, 4108), (546, 4156), (563, 4225), (576, 4255), (593, 4321), (601, 4342), (609, 4369), (612, 4378), (624, 4414), (652, 4468),

Gene: Dexers_6 Start: 3895, Stop: 5328, Start Num: 102

Candidate Starts for Dexers_6:

(Start: 102 @3895 has 236 MA's), (Start: 149 @4012 has 2 MA's), (172, 4060), (175, 4072), (263, 4315), (319, 4402), (353, 4462), (369, 4480), (373, 4486), (423, 4585), (436, 4633), (443, 4660), (448, 4678), (470, 4717), (483, 4753), (511, 4855), (557, 5014), (558, 5017), (563, 5035), (585, 5092), (599, 5149), (609, 5182), (622, 5224), (661, 5290), (681, 5314),

Gene: Dexes_13 Start: 9294, Stop: 10736, Start Num: 109

Candidate Starts for Dexes_13:

(64, 9228), (Start: 109 @9294 has 196 MA's), (265, 9705), (394, 9900), (399, 9912), (432, 10011), (453, 10083), (509, 10206), (521, 10245), (545, 10323), (547, 10329), (558, 10377), (561, 10389), (564, 10398), (592, 10488), (620, 10578), (635, 10611), (644, 10623),

Gene: Dhanush_12 Start: 8581, Stop: 10032, Start Num: 74

Candidate Starts for Dhanush_12:

(Start: 74 @8581 has 580 MA's), (156, 8728), (160, 8740), (217, 8908), (224, 8938), (244, 8977), (253, 8995), (278, 9055), (385, 9184), (394, 9202), (432, 9313), (434, 9319), (440, 9340), (441, 9346), (475, 9415), (497, 9475), (507, 9520), (545, 9646), (546, 9649), (558, 9700), (559, 9706), (564, 9721), (575, 9751), (602, 9841), (613, 9877), (615, 9889), (620, 9907), (633, 9937),

Gene: Diane_7 Start: 3828, Stop: 5303, Start Num: 102

Candidate Starts for Diane_7:

(Start: 102 @3828 has 236 MA's), (Start: 149 @3945 has 2 MA's), (178, 4014), (185, 4044), (210, 4137), (369, 4410), (423, 4515), (443, 4590), (448, 4608), (452, 4620), (454, 4626), (498, 4773), (509, 4824), (511, 4830), (525, 4878), (563, 5010), (585, 5067), (609, 5157), (681, 5289),

Gene: Dieselweasel_14 Start: 8655, Stop: 10109, Start Num: 74

Candidate Starts for Dieselweasel_14:

(Start: 74 @8655 has 580 MA's), (Start: 110 @8685 has 2 MA's), (121, 8712), (160, 8817), (202, 8931), (221, 8997), (244, 9054), (278, 9132), (279, 9135), (394, 9276), (432, 9387), (434, 9393), (440, 9414), (507, 9579), (545, 9705), (558, 9759), (559, 9765), (564, 9780), (580, 9816), (604, 9903), (613, 9933), (620, 9963), (645, 10008), (652, 10017),

Gene: Dignity_15 Start: 9619, Stop: 11079, Start Num: 74

Candidate Starts for Dignity_15:

(Start: 74 @9619 has 580 MA's), (121, 9679), (160, 9784), (224, 9982), (265, 10066), (278, 10099), (394, 10243), (426, 10327), (432, 10354), (434, 10360), (440, 10381), (441, 10387), (455, 10432), (558, 10726), (563, 10744), (564, 10747), (575, 10774), (580, 10783), (613, 10900), (620, 10930), (633, 10960), (651, 10984),

Gene: DillTech15_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for DillTech15_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Diminimus_16 Start: 6259, Stop: 7881, Start Num: 48

Candidate Starts for Diminimus_16:

(Start: 48 @6259 has 21 MA's), (56, 6274), (124, 6382), (130, 6400), (147, 6448), (162, 6481), (169, 6493), (177, 6517), (183, 6544), (185, 6550), (210, 6622), (211, 6628), (220, 6658), (248, 6739), (253, 6745), (254, 6748), (263, 6766), (385, 6922), (394, 6940), (399, 6952), (420, 7000), (436, 7057), (437, 7060), (465, 7129), (495, 7183), (504, 7219), (518, 7270), (520, 7273), (532, 7303), (536, 7312), (552, 7378), (553, 7381), (557, 7402), (558, 7405), (578, 7456), (601, 7543), (646, 7654), (663, 7684), (681, 7720), (684, 7726), (691, 7741), (697, 7753), (714, 7837),

Gene: Dinger_9 Start: 4831, Stop: 6261, Start Num: 74

Candidate Starts for Dinger_9:

(Start: 74 @4831 has 580 MA's), (173, 5008), (179, 5029), (185, 5056), (189, 5071), (211, 5134), (248, 5233), (256, 5248), (344, 5377), (398, 5449), (428, 5536), (430, 5545), (432, 5551), (445, 5599), (487, 5668), (490, 5677), (507, 5743), (509, 5752), (552, 5896), (563, 5941), (564, 5944), (593, 6037), (613, 6094), (620, 6124), (633, 6151), (645, 6163), (649, 6169),

Gene: DirkDirk_5 Start: 2626, Stop: 4299, Start Num: 74

Candidate Starts for DirkDirk_5:

(Start: 74 @2626 has 580 MA's), (121, 2689), (137, 2743), (147, 2767), (178, 2836), (183, 2860), (210, 2938), (220, 2974), (265, 3067), (267, 3070), (318, 3145), (341, 3184), (394, 3247), (406, 3274), (407, 3277), (418, 3298), (424, 3319), (435, 3361), (436, 3364), (485, 3466), (490, 3481), (492, 3487), (513, 3568), (521, 3595), (522, 3601), (551, 3694), (557, 3721), (559, 3730), (582, 3784), (586, 3805), (591, 3826), (598, 3853), (601, 3862), (617, 3922), (633, 3952), (638, 3961), (697, 4069), (718, 4264),

Gene: DirtMcgirt_4 Start: 2200, Stop: 3621, Start Num: 101

Candidate Starts for DirtMcgirt_4:

(Start: 101 @2200 has 52 MA's), (116, 2227), (121, 2239), (172, 2368), (177, 2386), (185, 2419), (210, 2488), (220, 2524), (224, 2545), (226, 2551), (253, 2575), (254, 2578), (285, 2653), (289, 2659), (308, 2686), (339, 2746), (394, 2848), (399, 2860), (404, 2869), (418, 2899), (420, 2908), (430, 2947), (436, 2965), (437, 2968), (444, 2998), (490, 3055), (502, 3094), (512, 3139), (517, 3157), (525, 3184), (532, 3196), (534, 3199), (536, 3205), (537, 3220), (548, 3253), (582, 3358), (601, 3433), (603, 3439), (606, 3448), (608, 3457), (612, 3469), (638, 3532), (666, 3580),

Gene: DirtyDunning_12 Start: 8574, Stop: 10025, Start Num: 74

Candidate Starts for DirtyDunning_12:

(Start: 74 @8574 has 580 MA's), (160, 8733), (217, 8901), (224, 8931), (244, 8970), (253, 8988), (278, 9048), (385, 9177), (394, 9195), (432, 9306), (434, 9312), (440, 9333), (441, 9339), (475, 9408), (497, 9468), (507, 9513), (545, 9639), (546, 9642), (558, 9693), (559, 9699), (564, 9714), (575, 9744), (602, 9834), (613, 9870), (620, 9900), (633, 9930),

Gene: Discoknowium_10 Start: 8047, Stop: 9480, Start Num: 76

Candidate Starts for Discoknowium_10:

(Start: 76 @8047 has 71 MA's), (152, 8176), (156, 8182), (185, 8263), (229, 8404), (244, 8431), (278, 8509), (344, 8590), (394, 8653), (395, 8656), (398, 8662), (399, 8665), (426, 8737), (434, 8770), (440, 8791), (448, 8821), (545, 9082), (558, 9136), (563, 9154), (580, 9193), (613, 9310), (620, 9340), (645, 9385), (652, 9394),

Gene: DismalFunk_5 Start: 2088, Stop: 3593, Start Num: 45

Candidate Starts for DismalFunk_5:

(Start: 45 @2088 has 26 MA's), (89, 2133), (104, 2154), (121, 2190), (Start: 149 @2271 has 2 MA's), (174, 2328), (178, 2340), (183, 2364), (185, 2370), (206, 2421), (210, 2439), (215, 2460), (224, 2496), (226, 2502), (269, 2562), (317, 2652), (326, 2673), (341, 2700), (364, 2742), (365, 2748), (376, 2766), (399, 2814), (415, 2847), (418, 2853), (430, 2901), (437, 2922), (444, 2952), (482, 2985), (489, 3003),

(490, 3009), (498, 3033), (512, 3093), (515, 3105), (517, 3111), (532, 3150), (563, 3270), (582, 3312), (608, 3411), (609, 3414), (612, 3423), (628, 3474), (660, 3519), (696, 3570),

Gene: DismalStressor_5 Start: 2088, Stop: 3593, Start Num: 45

Candidate Starts for DismalStressor_5:

(Start: 45 @2088 has 26 MA's), (89, 2133), (104, 2154), (121, 2190), (Start: 149 @2271 has 2 MA's), (174, 2328), (178, 2340), (183, 2364), (185, 2370), (206, 2421), (210, 2439), (215, 2460), (224, 2496), (226, 2502), (269, 2562), (317, 2652), (326, 2673), (341, 2700), (364, 2742), (365, 2748), (376, 2766), (399, 2814), (415, 2847), (418, 2853), (430, 2901), (437, 2922), (444, 2952), (482, 2985), (489, 3003), (490, 3009), (498, 3033), (512, 3093), (515, 3105), (517, 3111), (532, 3150), (563, 3270), (582, 3312), (608, 3411), (609, 3414), (612, 3423), (628, 3474), (660, 3519), (696, 3570),

Gene: Dixon_10 Start: 7456, Stop: 8886, Start Num: 76

Candidate Starts for Dixon_10:

(Start: 76 @7456 has 71 MA's), (159, 7606), (265, 7888), (344, 7999), (394, 8062), (415, 8107), (432, 8173), (440, 8200), (507, 8365), (537, 8467), (558, 8545), (559, 8551), (580, 8602), (613, 8719), (620, 8749), (652, 8803),

Gene: DocMcStuffins_4 Start: 2202, Stop: 3623, Start Num: 101

Candidate Starts for DocMcStuffins_4:

(Start: 101 @2202 has 52 MA's), (116, 2229), (121, 2241), (172, 2370), (177, 2388), (179, 2394), (185, 2421), (210, 2490), (220, 2526), (224, 2547), (226, 2553), (253, 2577), (254, 2580), (267, 2607), (285, 2655), (289, 2661), (308, 2688), (319, 2706), (367, 2799), (378, 2817), (394, 2850), (398, 2859), (399, 2862), (420, 2910), (423, 2919), (430, 2949), (436, 2967), (444, 3000), (490, 3057), (512, 3141), (517, 3159), (525, 3186), (532, 3198), (534, 3201), (536, 3207), (537, 3222), (548, 3255), (582, 3360), (601, 3435), (603, 3441), (606, 3450), (608, 3459), (612, 3471), (638, 3534), (666, 3582),

Gene: Dogfish_5 Start: 2670, Stop: 4142, Start Num: 98

Candidate Starts for Dogfish_5:

(Start: 98 @2670 has 18 MA's), (114, 2694), (118, 2703), (155, 2793), (179, 2853), (182, 2865), (183, 2874), (208, 2937), (219, 2982), (220, 2985), (221, 2988), (223, 3003), (224, 3006), (226, 3012), (245, 3045), (280, 3117), (309, 3162), (329, 3201), (333, 3207), (350, 3231), (381, 3279), (415, 3351), (426, 3384), (435, 3420), (438, 3429), (451, 3477), (488, 3591), (492, 3606), (500, 3630), (508, 3672), (521, 3714), (533, 3741), (537, 3765), (554, 3831), (557, 3840), (579, 3891), (592, 3942), (608, 3990), (615, 4017), (618, 4029), (633, 4062), (640, 4074),

Gene: Dole_9 Start: 3037, Stop: 4590, Start Num: 47

Candidate Starts for Dole_9:

(26, 2794), (31, 2908), (33, 2935), (Start: 42 @3022 has 24 MA's), (Start: 47 @3037 has 130 MA's), (117, 3139), (121, 3148), (Start: 149 @3229 has 2 MA's), (158, 3253), (177, 3295), (185, 3328), (210, 3397), (215, 3418), (226, 3460), (269, 3523), (274, 3538), (317, 3613), (326, 3634), (342, 3664), (399, 3775), (415, 3808), (426, 3841), (437, 3883), (444, 3913), (482, 3946), (489, 3964), (508, 4042), (512, 4054), (513, 4057), (516, 4069), (517, 4072), (534, 4108), (546, 4156), (563, 4225), (576, 4255), (593, 4321), (601, 4342), (609, 4369), (612, 4378), (624, 4414), (652, 4468),

Gene: Donkeykong_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Donkeykong_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Doom_12 Start: 8932, Stop: 10374, Start Num: 109

Candidate Starts for Doom_12:

(64, 8866), (Start: 109 @8932 has 196 MA's), (183, 9130), (265, 9343), (394, 9538), (399, 9550), (432, 9649), (509, 9844), (521, 9883), (545, 9961), (547, 9967), (558, 10015), (561, 10027), (564, 10036), (592, 10126), (620, 10216), (635, 10249), (644, 10261),

Gene: Doomphist_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Doomphist_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Dorothea_15 Start: 9284, Stop: 10747, Start Num: 74

Candidate Starts for Dorothea_15:

(Start: 74 @9284 has 580 MA's), (94, 9305), (121, 9344), (152, 9431), (157, 9443), (160, 9449), (265, 9731), (408, 9944), (426, 9995), (432, 10022), (434, 10028), (440, 10049), (564, 10415), (575, 10442), (580, 10451), (593, 10511), (613, 10568), (620, 10598), (633, 10628), (653, 10655),

Gene: Dorothy_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Dorothy_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: DosHalletts_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for DosHalletts_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (339, 2745), (394, 2847), (399, 2859), (404, 2868), (418, 2898), (420, 2907), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: DotProduct_3 Start: 2256, Stop: 3626, Start Num: 102

Candidate Starts for DotProduct_3:

(Start: 102 @2256 has 236 MA's), (Start: 120 @2292 has 8 MA's), (Start: 128 @2316 has 1 MA's), (132, 2325), (134, 2331), (135, 2334), (148, 2373), (177, 2439), (178, 2442), (198, 2511), (210, 2550), (212, 2559), (227, 2607), (265, 2667), (285, 2715), (320, 2760), (380, 2805), (391, 2832), (413, 2877), (421, 2898), (422, 2901), (423, 2904), (428, 2925), (430, 2934), (444, 2985), (445, 2988), (448, 2997), (459, 3027), (467, 3048), (493, 3117), (496, 3126), (506, 3177), (507, 3180), (522, 3234), (524, 3240), (525, 3243), (526, 3246), (545, 3303), (558, 3357), (561, 3369), (576, 3402), (580, 3408), (587, 3432), (631, 3576), (642, 3594),

Gene: Doug_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for Doug_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (142, 2348), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (522, 3218), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (631, 3560), (642, 3578),

Gene: Douge_5 Start: 2334, Stop: 3971, Start Num: 78

Candidate Starts for Douge_5:

(Start: 78 @2334 has 3 MA's), (126, 2409), (177, 2538), (178, 2541), (185, 2571), (210, 2643), (220, 2679), (228, 2709), (230, 2718), (257, 2757), (318, 2850), (341, 2889), (380, 2922), (390, 2946), (394, 2952), (404, 2973), (406, 2979), (407, 2982), (418, 3003), (435, 3066), (436, 3069), (485, 3171), (492, 3192), (522, 3306), (551, 3399), (557, 3426), (582, 3489), (591, 3531), (598, 3558), (601, 3567), (617, 3627), (633, 3657), (638, 3666), (642, 3672), (691, 3762), (697, 3774), (715, 3852),

Gene: DrFeelGood_11 Start: 8456, Stop: 9898, Start Num: 109

Candidate Starts for DrFeelGood_11:

(64, 8390), (Start: 109 @8456 has 196 MA's), (183, 8654), (265, 8867), (394, 9062), (432, 9173), (453, 9245), (509, 9368), (521, 9407), (545, 9485), (547, 9491), (558, 9539), (561, 9551), (564, 9560), (592, 9650), (620, 9740), (635, 9773), (644, 9785),

Gene: DrHayes_9 Start: 2999, Stop: 4546, Start Num: 47

Candidate Starts for DrHayes_9:

(33, 2897), (Start: 42 @2984 has 24 MA's), (Start: 47 @2999 has 130 MA's), (67, 3026), (117, 3095), (121, 3104), (124, 3113), (143, 3176), (Start: 149 @3185 has 2 MA's), (158, 3209), (174, 3242), (185, 3284), (210, 3353), (215, 3374), (224, 3410), (269, 3479), (273, 3491), (317, 3569), (326, 3590), (342, 3620), (357, 3644), (415, 3764), (426, 3797), (430, 3818), (437, 3839), (444, 3869), (482, 3902), (489, 3920), (508, 3998), (512, 4010), (513, 4013), (516, 4025), (517, 4028), (534, 4064), (546, 4112), (558, 4163), (563, 4181), (593, 4277), (601, 4298), (609, 4325), (612, 4334), (652, 4424),

Gene: DrManhattan_3 Start: 2280, Stop: 3656, Start Num: 99

Candidate Starts for DrManhattan_3:

(Start: 99 @2280 has 43 MA's), (143, 2391), (Start: 149 @2400 has 2 MA's), (185, 2499), (310, 2763), (423, 2940), (449, 3036), (515, 3195), (534, 3243), (540, 3273), (548, 3297), (588, 3432), (598, 3471), (601, 3480),

Gene: DrSeegs_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for DrSeegs_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: DrSierra_3 Start: 2283, Stop: 3656, Start Num: 99

Candidate Starts for DrSierra_3:

(Start: 99 @2283 has 43 MA's), (143, 2394), (Start: 149 @2403 has 2 MA's), (198, 2541), (254, 2673), (324, 2781), (449, 3039), (507, 3165), (518, 3204), (540, 3273), (548, 3297), (598, 3471), (601, 3480), (647, 3591),

Gene: Drago_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Drago_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Drake55_15 Start: 9724, Stop: 11184, Start Num: 74

Candidate Starts for Drake55_15:

(Start: 74 @9724 has 580 MA's), (121, 9784), (156, 9877), (160, 9889), (265, 10171), (278, 10204), (395, 10351), (399, 10360), (426, 10432), (432, 10459), (434, 10465), (440, 10486), (525, 10714), (558, 10831), (564, 10852), (575, 10879), (580, 10888), (613, 11005), (620, 11035), (633, 11065), (651, 11089),

Gene: Drake94_11 Start: 6462, Stop: 7922, Start Num: 74

Candidate Starts for Drake94_11:

(Start: 74 @6462 has 580 MA's), (Start: 110 @6489 has 2 MA's), (134, 6555), (156, 6609), (160, 6621), (185, 6690), (211, 6768), (221, 6801), (224, 6819), (243, 6858), (245, 6861), (278, 6939), (390, 7077), (432, 7194), (434, 7200), (440, 7221), (441, 7227), (448, 7251), (475, 7302), (507, 7407), (545, 7533), (546, 7536), (558, 7587), (559, 7593), (564, 7608), (575, 7638), (580, 7647), (602, 7728), (613, 7764), (620, 7794), (649, 7845), (651, 7848),

Gene: DreamCatcher_15 Start: 9886, Stop: 11328, Start Num: 109

Candidate Starts for DreamCatcher_15:

(64, 9820), (Start: 109 @9886 has 196 MA's), (183, 10084), (265, 10297), (394, 10492), (395, 10495), (432, 10603), (453, 10675), (509, 10798), (521, 10837), (545, 10915), (547, 10921), (558, 10969), (561, 10981), (564, 10990), (592, 11080), (620, 11170), (635, 11203), (644, 11215),

Gene: DreamTeam1_13 Start: 8077, Stop: 9561, Start Num: 74

Candidate Starts for DreamTeam1_13:

(Start: 74 @8077 has 580 MA's), (121, 8137), (160, 8242), (199, 8350), (202, 8356), (229, 8452), (265, 8524), (278, 8557), (374, 8668), (394, 8701), (411, 8737), (415, 8746), (426, 8785), (431, 8809), (432, 8812), (434, 8818), (439, 8836), (440, 8839), (455, 8890), (558, 9184), (563, 9202), (575, 9232), (580, 9241), (604, 9328), (611, 9352), (613, 9358), (620, 9388), (645, 9433), (651, 9442),

Gene: Dreamboat_13 Start: 8584, Stop: 10026, Start Num: 109

Candidate Starts for Dreamboat_13:

(64, 8518), (Start: 109 @8584 has 196 MA's), (183, 8782), (265, 8995), (394, 9190), (399, 9202), (432, 9301), (453, 9373), (509, 9496), (521, 9535), (545, 9613), (547, 9619), (557, 9664), (558, 9667), (561, 9679), (564, 9688), (592, 9778), (620, 9868), (635, 9901), (644, 9913),

Gene: DroogsArmy_13 Start: 9760, Stop: 11217, Start Num: 74

Candidate Starts for DroogsArmy_13:

(Start: 74 @9760 has 580 MA's), (156, 9910), (160, 9922), (202, 10036), (224, 10120), (235, 10147), (332, 10312), (394, 10381), (399, 10393), (411, 10417), (426, 10465), (432, 10492), (434, 10498), (440, 10519), (441, 10525), (445, 10540), (448, 10549), (491, 10633), (525, 10759), (545, 10822), (546, 10825), (558, 10876), (559, 10882), (562, 10891), (563, 10894), (564, 10897), (580, 10933), (602, 11014), (613, 11050), (620, 11080),

Gene: Druantia_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for Druantia_12:

(Start: 74 @8579 has 580 MA's), (160, 8738), (217, 8906), (224, 8936), (244, 8975), (253, 8993), (278, 9053), (385, 9182), (394, 9200), (432, 9311), (434, 9317), (440, 9338), (441, 9344), (475, 9413), (497, 9473), (507, 9518), (545, 9644), (546, 9647), (558, 9698), (559, 9704), (564, 9719), (575, 9749), (602, 9839), (613, 9875), (615, 9887), (620, 9905), (633, 9935),

Gene: Dublin_9 Start: 7906, Stop: 9339, Start Num: 76

Candidate Starts for Dublin_9:

(Start: 76 @7906 has 71 MA's), (156, 8041), (173, 8074), (177, 8089), (179, 8095), (229, 8263), (244, 8290), (278, 8368), (344, 8449), (398, 8521), (399, 8524), (426, 8596), (434, 8629), (440, 8650), (448, 8680), (479, 8725), (545, 8941), (558, 8995), (563, 9013), (580, 9052), (613, 9169), (620, 9199), (633, 9229), (652, 9253),

Gene: Dubu_3 Start: 2173, Stop: 3690, Start Num: 100

Candidate Starts for Dubu_3:

(Start: 100 @2173 has 1 MA's), (177, 2359), (178, 2362), (182, 2377), (185, 2392), (206, 2446), (209, 2455), (214, 2482), (220, 2500), (246, 2563), (266, 2602), (293, 2659), (352, 2752), (376, 2788), (391, 2821), (395, 2830), (398, 2836), (399, 2839), (402, 2845), (426, 2905), (428, 2917), (473, 3034), (481, 3049), (491, 3082), (500, 3109), (509, 3154), (511, 3160), (513, 3166), (535, 3220), (548, 3277), (557, 3319), (581, 3385), (594, 3445), (620, 3526), (633, 3556), (646, 3577),

Gene: DudeLittle_13 Start: 9322, Stop: 10785, Start Num: 74

Candidate Starts for DudeLittle_13:

(Start: 74 @9322 has 580 MA's), (121, 9382), (160, 9487), (224, 9685), (265, 9769), (278, 9802), (374, 9913), (395, 9949), (426, 10030), (432, 10057), (434, 10063), (440, 10084), (441, 10090), (455, 10135), (509, 10258), (558, 10429), (563, 10447), (564, 10450), (575, 10477), (580, 10486), (613, 10603), (620, 10633), (633, 10663), (651, 10687),

Gene: Dulcie_11 Start: 8331, Stop: 9773, Start Num: 109

Candidate Starts for Dulcie_11:

(64, 8265), (Start: 109 @8331 has 196 MA's), (183, 8529), (265, 8742), (394, 8937), (399, 8949), (432, 9048), (453, 9120), (509, 9243), (521, 9282), (545, 9360), (547, 9366), (558, 9414), (561, 9426), (564, 9435), (592, 9525), (620, 9615), (635, 9648), (644, 9660),

Gene: Dulcita_16 Start: 6259, Stop: 7881, Start Num: 48

Candidate Starts for Dulcita_16:

(Start: 48 @6259 has 21 MA's), (56, 6274), (124, 6382), (130, 6400), (147, 6448), (162, 6481), (169, 6493), (177, 6517), (183, 6544), (185, 6550), (210, 6622), (211, 6628), (220, 6658), (248, 6739), (253, 6745), (254, 6748), (263, 6766), (385, 6922), (394, 6940), (399, 6952), (420, 7000), (436, 7057), (437, 7060), (465, 7129), (495, 7183), (504, 7219), (518, 7270), (520, 7273), (532, 7303), (536, 7312), (552, 7378), (553, 7381), (557, 7402), (558, 7405), (578, 7456), (601, 7543), (646, 7654), (663, 7684), (681, 7720), (684, 7726), (691, 7741), (697, 7753), (714, 7837),

Gene: DuncansLeg_6 Start: 2759, Stop: 4402, Start Num: 74

Candidate Starts for DuncansLeg_6:

(Start: 74 @2759 has 580 MA's), (118, 2819), (175, 2960), (178, 2969), (210, 3071), (257, 3185), (318, 3278), (341, 3317), (406, 3407), (411, 3416), (418, 3431), (492, 3620), (510, 3692), (522, 3734), (582, 3917), (591, 3959), (598, 3986), (601, 3995), (617, 4055), (633, 4085), (638, 4094), (681, 4169), (697, 4202),

Gene: Duplo_16 Start: 9200, Stop: 10657, Start Num: 74

Candidate Starts for Duplo_16:

(Start: 74 @9200 has 580 MA's), (121, 9260), (156, 9353), (160, 9365), (265, 9647), (374, 9791), (398, 9833), (426, 9908), (432, 9935), (434, 9941), (440, 9962), (441, 9968), (558, 10307), (564, 10328),

(575, 10355), (580, 10364), (604, 10451), (613, 10481), (620, 10511), (633, 10541), (651, 10565),

Gene: Durfee_9 Start: 3055, Stop: 4623, Start Num: 42

Candidate Starts for Durfee_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Dussy_13 Start: 8692, Stop: 10134, Start Num: 109

Candidate Starts for Dussy_13:

(64, 8626), (Start: 109 @8692 has 196 MA's), (183, 8890), (243, 9064), (265, 9103), (394, 9298), (399, 9310), (432, 9409), (509, 9604), (545, 9721), (547, 9727), (558, 9775), (561, 9787), (564, 9796), (592, 9886), (620, 9976), (635, 10009), (644, 10021),

Gene: Dusty_29 Start: 10194, Stop: 11810, Start Num: 62

Candidate Starts for Dusty_29:

(Start: 62 @10194 has 16 MA's), (Start: 97 @10245 has 14 MA's), (104, 10254), (Start: 128 @10314 has 1 MA's), (148, 10371), (164, 10404), (166, 10407), (181, 10452), (187, 10479), (265, 10683), (276, 10713), (296, 10749), (331, 10794), (345, 10803), (352, 10818), (422, 10959), (427, 10977), (428, 10983), (440, 11025), (494, 11217), (515, 11304), (524, 11334), (539, 11379), (553, 11427), (555, 11442), (582, 11505), (587, 11529), (588, 11535), (590, 11544), (612, 11613), (629, 11664), (631, 11667), (638, 11679),

Gene: Dwayne_7 Start: 4056, Stop: 5492, Start Num: 102

Candidate Starts for Dwayne_7:

(Start: 96 @4050 has 4 MA's), (Start: 102 @4056 has 236 MA's), (117, 4080), (125, 4104), (Start: 149 @4173 has 2 MA's), (172, 4221), (175, 4233), (185, 4272), (228, 4425), (298, 4539), (326, 4581), (341, 4608), (369, 4641), (373, 4647), (419, 4737), (423, 4749), (443, 4824), (448, 4842), (483, 4920), (498, 4965), (511, 5022), (578, 5235), (585, 5259), (622, 5391), (661, 5457), (681, 5478),

Gene: Dynamix_13 Start: 8741, Stop: 10183, Start Num: 109

Candidate Starts for Dynamix_13:

(64, 8675), (Start: 109 @8741 has 196 MA's), (183, 8939), (265, 9152), (394, 9347), (399, 9359), (432, 9458), (509, 9653), (521, 9692), (545, 9770), (547, 9776), (558, 9824), (561, 9836), (564, 9845), (592, 9935), (620, 10025), (635, 10058), (644, 10070),

Gene: DyoEdafos_6 Start: 2521, Stop: 4158, Start Num: 78

Candidate Starts for DyoEdafos_6:

(Start: 78 @2521 has 3 MA's), (126, 2596), (178, 2728), (185, 2758), (210, 2830), (226, 2893), (228, 2896), (257, 2944), (318, 3037), (341, 3076), (380, 3109), (390, 3133), (394, 3139), (404, 3160), (406, 3166), (407, 3169), (418, 3190), (436, 3256), (485, 3358), (492, 3379), (521, 3487), (522, 3493), (551, 3586), (557, 3613), (582, 3676), (588, 3706), (598, 3745), (599, 3748), (601, 3754), (617, 3814), (633, 3844), (638, 3853), (642, 3859), (691, 3949), (697, 3961), (715, 4039),

Gene: ELB20_06 Start: 3885, Stop: 5357, Start Num: 102

Candidate Starts for ELB20_06:

(Start: 102 @3885 has 236 MA's), (Start: 149 @4002 has 2 MA's), (172, 4050), (175, 4062), (178, 4071), (185, 4101), (210, 4194), (295, 4359), (298, 4365), (423, 4572), (443, 4647), (448, 4665), (452, 4677), (454, 4683), (456, 4689), (498, 4830), (509, 4881), (511, 4887), (547, 5001), (563, 5067), (585, 5124), (598, 5178), (622, 5256), (681, 5343),

Gene: EZMoney23_17 Start: 11190, Stop: 12653, Start Num: 74

Candidate Starts for EZMoney23_17:

(Start: 74 @11190 has 580 MA's), (121, 11250), (160, 11355), (265, 11637), (395, 11820), (399, 11829), (426, 11901), (432, 11928), (434, 11934), (440, 11955), (558, 12300), (564, 12321), (575, 12348), (580, 12357), (604, 12444), (613, 12474), (620, 12504), (633, 12534), (651, 12558),

Gene: Eagle_11 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Eagle_11:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: EagleEye_15 Start: 9341, Stop: 10813, Start Num: 74

Candidate Starts for EagleEye_15:

(Start: 74 @9341 has 580 MA's), (121, 9401), (152, 9488), (156, 9494), (160, 9506), (265, 9788), (278, 9821), (394, 9965), (398, 9974), (426, 10049), (431, 10073), (432, 10076), (434, 10082), (440, 10103), (558, 10448), (563, 10466), (564, 10469), (575, 10496), (580, 10505), (613, 10622), (620, 10652), (633, 10682), (645, 10697), (651, 10706), (690, 10766),

Gene: Eaglepride_13 Start: 8376, Stop: 9818, Start Num: 74

Candidate Starts for Eaglepride_13:

(Start: 74 @8376 has 580 MA's), (160, 8535), (185, 8604), (211, 8682), (221, 8715), (224, 8733), (278, 8853), (390, 8991), (399, 9009), (426, 9081), (432, 9108), (434, 9114), (440, 9135), (441, 9141), (507, 9315), (545, 9441), (546, 9444), (552, 9468), (558, 9495), (559, 9501), (564, 9516), (575, 9546), (580, 9555), (602, 9636), (613, 9672), (620, 9702), (649, 9753),

Gene: Eapen_12 Start: 8580, Stop: 10031, Start Num: 74

Candidate Starts for Eapen_12:

(Start: 74 @8580 has 580 MA's), (160, 8739), (217, 8907), (224, 8937), (244, 8976), (253, 8994), (278, 9054), (385, 9183), (394, 9201), (432, 9312), (434, 9318), (440, 9339), (441, 9345), (475, 9414), (497, 9474), (507, 9519), (545, 9645), (546, 9648), (558, 9699), (559, 9705), (564, 9720), (575, 9750), (602, 9840), (613, 9876), (620, 9906), (633, 9936),

Gene: Ebony_13 Start: 9842, Stop: 11299, Start Num: 74

Candidate Starts for Ebony_13:

(Start: 74 @9842 has 580 MA's), (116, 9887), (121, 9902), (160, 10007), (265, 10289), (278, 10322), (399, 10478), (426, 10550), (432, 10577), (434, 10583), (440, 10604), (455, 10655), (551, 10919), (558, 10949), (564, 10970), (569, 10985), (575, 10997), (580, 11006), (604, 11093), (613, 11123), (620, 11153), (633, 11183), (679, 11249),

Gene: Echild_13 Start: 9325, Stop: 10788, Start Num: 74

Candidate Starts for Echild_13:

(Start: 74 @9325 has 580 MA's), (121, 9385), (160, 9490), (256, 9754), (265, 9772), (278, 9805), (280, 9811), (432, 10060), (434, 10066), (440, 10087), (441, 10093), (455, 10138), (515, 10282), (545, 10378), (558, 10432), (563, 10450), (564, 10453), (575, 10480), (580, 10489), (613, 10606), (616, 10621), (620, 10636), (633, 10666), (651, 10690),

Gene: Eddasa_8 Start: 4241, Stop: 5683, Start Num: 102

Candidate Starts for Eddasa_8:

(Start: 93 @4232 has 3 MA's), (Start: 96 @4235 has 4 MA's), (Start: 102 @4241 has 236 MA's), (Start: 149 @4358 has 2 MA's), (172, 4406), (179, 4430), (298, 4724), (326, 4766), (341, 4793), (419, 4919),

(423, 4931), (448, 5024), (483, 5102), (498, 5147), (511, 5204), (518, 5228), (585, 5441), (681, 5669),

Gene: Edison31_12 Start: 8402, Stop: 9847, Start Num: 74

Candidate Starts for Edison31_12:

(Start: 74 @8402 has 580 MA's), (160, 8561), (211, 8708), (221, 8741), (224, 8759), (226, 8765), (243, 8798), (278, 8879), (282, 8891), (390, 9017), (399, 9035), (426, 9107), (431, 9131), (432, 9134), (434, 9140), (439, 9158), (440, 9161), (507, 9341), (545, 9467), (546, 9470), (558, 9521), (559, 9527), (564, 9542), (575, 9572), (580, 9581), (602, 9662), (613, 9698), (620, 9728), (649, 9779), (651, 9782),

Gene: Edtherson_13 Start: 9189, Stop: 10631, Start Num: 109

Candidate Starts for Edtherson_13:

(64, 9123), (Start: 109 @9189 has 196 MA's), (183, 9387), (265, 9600), (394, 9795), (399, 9807), (432, 9906), (509, 10101), (521, 10140), (545, 10218), (547, 10224), (558, 10272), (561, 10284), (564, 10293), (592, 10383), (620, 10473), (635, 10506), (644, 10518),

Gene: Edugator_6 Start: 2788, Stop: 4326, Start Num: 47

Candidate Starts for Edugator_6:

(Start: 47 @2788 has 130 MA's), (117, 2890), (121, 2899), (136, 2953), (174, 3037), (178, 3049), (185, 3079), (191, 3097), (210, 3148), (220, 3184), (225, 3208), (226, 3211), (267, 3265), (274, 3286), (317, 3361), (326, 3382), (342, 3412), (365, 3457), (394, 3511), (415, 3556), (426, 3589), (435, 3625), (437, 3631), (482, 3694), (489, 3712), (508, 3790), (512, 3802), (513, 3805), (517, 3820), (536, 3865), (537, 3880), (544, 3901), (546, 3907), (557, 3955), (558, 3958), (563, 3976), (568, 3991), (590, 4057), (593, 4072), (601, 4093), (612, 4129), (624, 4165), (674, 4252),

Gene: Efra2_9 Start: 3007, Stop: 4560, Start Num: 47

Candidate Starts for Efra2_9:

(14, 2551), (17, 2593), (26, 2761), (33, 2902), (Start: 42 @2992 has 24 MA's), (Start: 47 @3007 has 130 MA's), (117, 3100), (121, 3109), (131, 3139), (158, 3214), (174, 3247), (177, 3256), (210, 3358), (215, 3379), (220, 3394), (224, 3415), (226, 3421), (274, 3499), (292, 3538), (326, 3595), (415, 3769), (430, 3823), (437, 3844), (444, 3874), (482, 3907), (508, 4003), (512, 4015), (513, 4018), (516, 4030), (517, 4033), (521, 4045), (530, 4066), (534, 4069), (563, 4186), (592, 4279), (601, 4303), (608, 4327), (609, 4330), (612, 4339), (642, 4414), (674, 4462),

Gene: Eidsmoe_14 Start: 9923, Stop: 11410, Start Num: 74

Candidate Starts for Eidsmoe_14:

(Start: 74 @9923 has 580 MA's), (121, 9986), (160, 10091), (185, 10160), (229, 10301), (265, 10373), (288, 10427), (394, 10550), (411, 10586), (415, 10595), (426, 10634), (432, 10661), (434, 10667), (440, 10688), (455, 10739), (487, 10778), (558, 11033), (563, 11051), (575, 11081), (576, 11084), (580, 11090), (611, 11201), (613, 11207), (620, 11237), (645, 11282), (651, 11291),

Gene: Eileen_3 Start: 2383, Stop: 3747, Start Num: 98

Candidate Starts for Eileen_3:

(Start: 98 @2383 has 18 MA's), (170, 2551), (175, 2569), (184, 2605), (226, 2743), (246, 2779), (301, 2890), (313, 2905), (324, 2920), (356, 2965), (370, 2986), (391, 3019), (436, 3139), (504, 3298), (513, 3331), (535, 3385), (558, 3487), (593, 3589), (594, 3595), (659, 3739),

Gene: Eish_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Eish_3:

(Start: 102 @2240 has 236 MA's), (Start: 119 @2273 has 2 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (176, 2420), (177, 2423), (178, 2426), (198, 2495), (201, 2501), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164),

(524, 3224), (526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: Ejemplo_7 Start: 4059, Stop: 5495, Start Num: 102

Candidate Starts for Ejemplo_7:

(Start: 96 @4053 has 4 MA's), (Start: 102 @4059 has 236 MA's), (117, 4083), (125, 4107), (Start: 149 @4176 has 2 MA's), (172, 4224), (175, 4236), (185, 4275), (228, 4428), (253, 4458), (298, 4542), (326, 4584), (369, 4644), (373, 4650), (419, 4740), (423, 4752), (443, 4827), (448, 4845), (483, 4923), (498, 4968), (511, 5025), (578, 5238), (585, 5262), (622, 5394), (681, 5481),

Gene: Ekdilam_6 Start: 2558, Stop: 4111, Start Num: 47

Candidate Starts for Ekdilam_6:

(33, 2453), (Start: 42 @2543 has 24 MA's), (Start: 47 @2558 has 130 MA's), (117, 2657), (121, 2666), (Start: 149 @2747 has 2 MA's), (158, 2771), (174, 2804), (191, 2864), (210, 2915), (215, 2936), (220, 2951), (269, 3041), (273, 3053), (274, 3056), (317, 3131), (326, 3152), (339, 3176), (376, 3245), (399, 3293), (415, 3326), (418, 3332), (426, 3359), (430, 3380), (437, 3401), (482, 3464), (489, 3482), (508, 3560), (512, 3572), (513, 3575), (517, 3590), (525, 3617), (546, 3674), (557, 3722), (563, 3743), (570, 3764), (593, 3839), (608, 3884), (609, 3887), (612, 3896), (624, 3932), (628, 3947),

Gene: ElGato_9 Start: 3905, Stop: 5338, Start Num: 102

Candidate Starts for ElGato_9:

(Start: 102 @3905 has 236 MA's), (Start: 149 @4022 has 2 MA's), (172, 4070), (175, 4082), (263, 4325), (353, 4472), (369, 4490), (373, 4496), (419, 4583), (423, 4595), (443, 4670), (448, 4688), (470, 4727), (483, 4763), (511, 4865), (558, 5027), (563, 5045), (585, 5102), (609, 5192), (622, 5234), (661, 5300), (681, 5324),

Gene: ElTiger69_10 Start: 7764, Stop: 9197, Start Num: 76

Candidate Starts for ElTiger69_10:

(Start: 76 @7764 has 71 MA's), (152, 7893), (173, 7932), (177, 7947), (229, 8121), (244, 8148), (344, 8307), (395, 8373), (398, 8379), (399, 8382), (426, 8454), (434, 8487), (440, 8508), (444, 8526), (448, 8538), (545, 8799), (558, 8853), (563, 8871), (580, 8910), (613, 9027), (620, 9057), (633, 9087), (645, 9102), (652, 9111),

Gene: EleanorGeorge_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for EleanorGeorge_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (525, 3242), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Elephantoon_14 Start: 9551, Stop: 11029, Start Num: 74

Candidate Starts for Elephantoon_14:

(Start: 74 @9551 has 580 MA's), (121, 9611), (160, 9716), (221, 9896), (229, 9926), (265, 9998), (394, 10175), (399, 10187), (426, 10259), (432, 10286), (434, 10292), (440, 10313), (448, 10343), (455, 10364), (487, 10403), (558, 10658), (563, 10676), (575, 10706), (576, 10709), (580, 10715), (611, 10826), (613, 10832), (620, 10862), (645, 10907), (651, 10916),

Gene: Elezi_3 Start: 2266, Stop: 3642, Start Num: 99

Candidate Starts for Elezi_3:

(Start: 99 @2266 has 43 MA's), (Start: 149 @2386 has 2 MA's), (185, 2485), (310, 2749), (449, 3022), (515, 3181), (534, 3229), (540, 3259), (548, 3283), (598, 3457), (647, 3577),

Gene: Ellie_6 Start: 2649, Stop: 4202, Start Num: 47

Candidate Starts for Ellie_6:

(31, 2517), (33, 2544), (Start: 42 @2634 has 24 MA's), (Start: 47 @2649 has 130 MA's), (117, 2748), (121, 2757), (143, 2829), (Start: 149 @2838 has 2 MA's), (158, 2862), (174, 2895), (191, 2955), (215, 3027), (220, 3042), (269, 3132), (274, 3147), (317, 3222), (326, 3243), (339, 3267), (376, 3336), (394, 3372), (399, 3384), (415, 3417), (426, 3450), (430, 3471), (437, 3492), (444, 3522), (482, 3555), (489, 3573), (508, 3651), (512, 3663), (513, 3666), (516, 3678), (517, 3681), (525, 3708), (546, 3765), (563, 3834), (570, 3855), (583, 3879), (593, 3930), (601, 3951), (609, 3978), (612, 3987), (624, 4023),

Gene: Ellson_6 Start: 2768, Stop: 4411, Start Num: 74

Candidate Starts for Ellson_6:

(Start: 74 @2768 has 580 MA's), (118, 2828), (175, 2969), (178, 2978), (210, 3080), (228, 3146), (257, 3194), (318, 3287), (341, 3326), (390, 3383), (394, 3389), (406, 3416), (411, 3425), (418, 3440), (492, 3629), (510, 3701), (522, 3743), (582, 3926), (591, 3968), (598, 3995), (601, 4004), (617, 4064), (633, 4094), (638, 4103), (681, 4178), (697, 4211),

Gene: Emaanora_9 Start: 4055, Stop: 5491, Start Num: 102

Candidate Starts for Emaanora_9:

(Start: 96 @4049 has 4 MA's), (Start: 102 @4055 has 236 MA's), (117, 4079), (125, 4103), (Start: 149 @4172 has 2 MA's), (172, 4220), (175, 4232), (185, 4271), (228, 4424), (298, 4538), (326, 4580), (341, 4607), (369, 4640), (373, 4646), (419, 4736), (423, 4748), (443, 4823), (448, 4841), (483, 4919), (498, 4964), (511, 5021), (578, 5234), (585, 5258), (622, 5390), (661, 5456), (681, 5477),

Gene: Emerson_9 Start: 3029, Stop: 4582, Start Num: 47

Candidate Starts for Emerson_9:

(33, 2927), (Start: 42 @3014 has 24 MA's), (Start: 47 @3029 has 130 MA's), (117, 3131), (121, 3140), (143, 3212), (Start: 149 @3221 has 2 MA's), (158, 3245), (174, 3278), (177, 3287), (210, 3389), (215, 3410), (225, 3449), (226, 3452), (269, 3515), (274, 3530), (283, 3554), (317, 3605), (326, 3626), (357, 3680), (415, 3800), (426, 3833), (430, 3854), (437, 3875), (444, 3905), (482, 3938), (489, 3956), (504, 4016), (508, 4034), (512, 4046), (513, 4049), (516, 4061), (517, 4064), (534, 4100), (546, 4148), (558, 4199), (563, 4217), (593, 4313), (601, 4334), (609, 4361), (612, 4370), (624, 4406),

Gene: EmiRose_3 Start: 2568, Stop: 3956, Start Num: 103

Candidate Starts for EmiRose_3:

(Start: 103 @2568 has 1 MA's), (118, 2598), (178, 2760), (183, 2784), (185, 2790), (210, 2856), (212, 2865), (219, 2889), (225, 2916), (238, 2943), (265, 2982), (385, 3141), (398, 3168), (435, 3273), (443, 3303), (450, 3327), (485, 3390), (490, 3405), (502, 3444), (531, 3543), (543, 3591), (548, 3603), (557, 3645), (566, 3675), (588, 3738), (591, 3750), (598, 3777), (612, 3822), (649, 3897),

Gene: Emianna_25 Start: 14922, Stop: 16511, Start Num: 71

Candidate Starts for Emianna_25:

(Start: 71 @14922 has 30 MA's), (Start: 74 @14928 has 580 MA's), (87, 14943), (91, 14952), (121, 15006), (185, 15198), (210, 15276), (216, 15300), (223, 15330), (348, 15534), (371, 15561), (388, 15588), (422, 15678), (441, 15750), (445, 15765), (450, 15780), (486, 15861), (522, 16002), (553, 16101), (555, 16116), (558, 16125), (560, 16134), (575, 16170), (584, 16194), (607, 16278), (609, 16287), (621, 16332),

Gene: Emma_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Emma_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876),

(421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (525, 3242), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Emotion_3 Start: 2309, Stop: 3673, Start Num: 97

Candidate Starts for Emotion_3:

(Start: 97 @2309 has 14 MA's), (Start: 149 @2435 has 2 MA's), (390, 2903), (395, 2912), (431, 3005), (507, 3194), (594, 3491), (598, 3500),

Gene: Empress_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Empress_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (464, 3028), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: EmyBug_14 Start: 9923, Stop: 11410, Start Num: 74

Candidate Starts for EmyBug_14:

(Start: 74 @9923 has 580 MA's), (121, 9986), (160, 10091), (185, 10160), (229, 10301), (265, 10373), (288, 10427), (394, 10550), (411, 10586), (415, 10595), (426, 10634), (432, 10661), (434, 10667), (440, 10688), (455, 10739), (487, 10778), (558, 11033), (563, 11051), (575, 11081), (576, 11084), (580, 11090), (611, 11201), (613, 11207), (620, 11237), (645, 11282), (651, 11291),

Gene: Enby_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Enby_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Enceladus_5 Start: 2626, Stop: 4299, Start Num: 74

Candidate Starts for Enceladus_5:

(Start: 74 @2626 has 580 MA's), (121, 2689), (137, 2743), (147, 2767), (178, 2836), (183, 2860), (210, 2938), (220, 2974), (265, 3067), (267, 3070), (318, 3145), (341, 3184), (394, 3247), (406, 3274), (407, 3277), (418, 3298), (424, 3319), (435, 3361), (436, 3364), (485, 3466), (490, 3481), (492, 3487), (513, 3568), (521, 3595), (522, 3601), (551, 3694), (557, 3721), (559, 3730), (582, 3784), (586, 3805), (591, 3826), (598, 3853), (601, 3862), (617, 3922), (633, 3952), (638, 3961), (697, 4069), (718, 4264),

Gene: Engineer_32 Start: 10389, Stop: 12005, Start Num: 62

Candidate Starts for Engineer_32:

(Start: 62 @10389 has 16 MA's), (Start: 97 @10440 has 14 MA's), (104, 10449), (Start: 128 @10509 has 1 MA's), (148, 10566), (166, 10602), (181, 10647), (187, 10674), (265, 10878), (276, 10908), (296, 10944), (331, 10989), (345, 10998), (352, 11013), (421, 11151), (422, 11154), (427, 11172), (428, 11178), (440, 11220), (494, 11412), (515, 11499), (524, 11529), (539, 11574), (553, 11622), (555, 11637), (582, 11700), (587, 11724), (588, 11730), (590, 11739), (612, 11808), (629, 11859), (631, 11862), (638, 11874),

Gene: EniyanLRS_24 Start: 9432, Stop: 10871, Start Num: 79

Candidate Starts for EniyanLRS_24:

(57, 9399), (73, 9423), (Start: 79 @9432 has 5 MA's), (114, 9483), (121, 9495), (125, 9507), (175, 9639), (177, 9645), (178, 9648), (179, 9651), (183, 9672), (185, 9678), (209, 9738), (210, 9747), (215, 9768), (247, 9846), (385, 10026), (399, 10056), (407, 10074), (415, 10089), (424, 10116), (432, 10149), (436, 10161), (437, 10164), (449, 10209), (482, 10245), (490, 10266), (506, 10329), (521, 10380), (545, 10452), (558, 10506), (560, 10515), (588, 10596), (594, 10626), (608, 10668), (615, 10695), (640, 10746), (646, 10755), (684, 10812), (700, 10851),

Gene: Enkosi_5 Start: 2268, Stop: 3839, Start Num: 42

Candidate Starts for Enkosi_5:

(32, 2157), (33, 2178), (Start: 42 @2268 has 24 MA's), (Start: 47 @2283 has 130 MA's), (104, 2352), (113, 2367), (121, 2388), (Start: 149 @2469 has 2 MA's), (158, 2493), (174, 2526), (183, 2562), (210, 2637), (215, 2658), (220, 2673), (274, 2778), (312, 2844), (326, 2874), (354, 2928), (376, 2970), (394, 3006), (399, 3018), (415, 3051), (426, 3084), (437, 3126), (444, 3156), (482, 3189), (489, 3207), (490, 3213), (504, 3267), (508, 3285), (512, 3297), (516, 3312), (517, 3315), (530, 3348), (557, 3447), (558, 3450), (563, 3468), (582, 3510), (592, 3561), (593, 3564), (601, 3585), (608, 3609), (609, 3612), (612, 3621), (624, 3657), (628, 3672), (640, 3693),

Gene: Ennea_31 Start: 15546, Stop: 17129, Start Num: 70

Candidate Starts for Ennea_31:

(Start: 70 @15546 has 5 MA's), (Start: 76 @15555 has 71 MA's), (121, 15633), (210, 15900), (254, 16014), (419, 16284), (441, 16368), (445, 16383), (450, 16398), (486, 16479), (522, 16620), (553, 16719), (558, 16743), (560, 16752), (584, 16812), (601, 16878), (607, 16896), (609, 16905), (621, 16950),

Gene: EnochSoames_8 Start: 4237, Stop: 5679, Start Num: 102

Candidate Starts for EnochSoames_8:

(Start: 93 @4228 has 3 MA's), (Start: 96 @4231 has 4 MA's), (Start: 102 @4237 has 236 MA's), (Start: 149 @4354 has 2 MA's), (172, 4402), (298, 4720), (326, 4762), (341, 4789), (419, 4915), (423, 4927), (448, 5020), (483, 5098), (498, 5143), (511, 5200), (518, 5224), (585, 5437), (681, 5665),

Gene: EpicPhail_14 Start: 8654, Stop: 10108, Start Num: 74

Candidate Starts for EpicPhail_14:

(Start: 74 @8654 has 580 MA's), (Start: 110 @8684 has 2 MA's), (121, 8711), (160, 8816), (202, 8930), (221, 8996), (244, 9053), (278, 9131), (279, 9134), (394, 9275), (432, 9386), (434, 9392), (440, 9413), (507, 9578), (545, 9704), (558, 9758), (559, 9764), (564, 9779), (580, 9815), (604, 9902), (613, 9932), (620, 9962), (645, 10007), (652, 10016),

Gene: Eponine_10 Start: 3912, Stop: 5507, Start Num: 42

Candidate Starts for Eponine_10:

(Start: 42 @3912 has 24 MA's), (Start: 45 @3927 has 26 MA's), (56, 3951), (104, 4014), (143, 4122), (Start: 149 @4131 has 2 MA's), (174, 4188), (177, 4197), (178, 4200), (185, 4230), (210, 4299), (215, 4320), (224, 4356), (226, 4362), (253, 4386), (274, 4437), (292, 4476), (326, 4533), (370, 4611), (372, 4614), (376, 4620), (385, 4638), (398, 4665), (399, 4668), (415, 4701), (426, 4734), (430, 4755), (437, 4776), (482, 4839), (490, 4863), (498, 4887), (508, 4935), (512, 4947), (517, 4965), (532, 5004), (537, 5028), (559, 5112), (561, 5118), (563, 5124), (572, 5193), (582, 5217), (601, 5292), (609, 5319), (612, 5328), (624, 5364), (635, 5391), (642, 5403),

Gene: Epsocamisio_15 Start: 8380, Stop: 9840, Start Num: 74

Candidate Starts for Epsocamisio_15:

(Start: 74 @8380 has 580 MA's), (121, 8440), (160, 8545), (184, 8611), (248, 8794), (265, 8827), (278, 8860), (426, 9091), (432, 9118), (434, 9124), (440, 9145), (445, 9166), (455, 9196), (479, 9220), (507, 9310), (515, 9340), (545, 9436), (552, 9463), (558, 9490), (563, 9508), (564, 9511), (575, 9544), (580,

9553), (613, 9670), (620, 9700), (651, 9754),

Gene: Equemioh13_15 Start: 9710, Stop: 11170, Start Num: 74

Candidate Starts for Equemioh13_15:

(Start: 74 @9710 has 580 MA's), (121, 9770), (156, 9863), (160, 9875), (265, 10157), (278, 10190), (395, 10337), (399, 10346), (426, 10418), (432, 10445), (434, 10451), (440, 10472), (525, 10700), (558, 10817), (564, 10838), (575, 10865), (580, 10874), (613, 10991), (620, 11021), (633, 11051), (651, 11075),

Gene: Eradicator_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for Eradicator_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: Eraser_3 Start: 2266, Stop: 3642, Start Num: 99

Candidate Starts for Eraser_3:

(Start: 99 @2266 has 43 MA's), (Start: 149 @2386 has 2 MA's), (185, 2485), (310, 2749), (449, 3022), (515, 3181), (534, 3229), (540, 3259), (548, 3283), (598, 3457), (647, 3577),

Gene: EricB_16 Start: 9275, Stop: 10738, Start Num: 74

Candidate Starts for EricB_16:

(Start: 74 @9275 has 580 MA's), (94, 9296), (121, 9335), (152, 9422), (157, 9434), (160, 9440), (265, 9722), (408, 9935), (426, 9986), (432, 10013), (434, 10019), (440, 10040), (564, 10406), (575, 10433), (580, 10442), (593, 10502), (613, 10559), (620, 10589), (633, 10619), (653, 10646),

Gene: Erik_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Erik_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Eris_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Eris_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Eros_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Eros_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (525, 9580), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Esperer_7 Start: 4081, Stop: 5523, Start Num: 102

Candidate Starts for Esperer_7:

(Start: 93 @4072 has 3 MA's), (Start: 96 @4075 has 4 MA's), (Start: 102 @4081 has 236 MA's), (Start: 149 @4198 has 2 MA's), (172, 4246), (298, 4564), (326, 4606), (341, 4633), (369, 4666), (419, 4759), (423, 4771), (448, 4864), (483, 4942), (498, 4987), (511, 5044), (518, 5068), (585, 5281), (681, 5509),

Gene: Espica_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Espica_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Espresso_12 Start: 8785, Stop: 10227, Start Num: 109

Candidate Starts for Espresso_12:

(64, 8719), (Start: 109 @8785 has 196 MA's), (183, 8983), (265, 9196), (394, 9391), (399, 9403), (432, 9502), (509, 9697), (521, 9736), (545, 9814), (547, 9820), (558, 9868), (561, 9880), (564, 9889), (592, 9979), (620, 10069), (635, 10102), (644, 10114),

Gene: Estave1_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for Estave1_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (176, 2420), (177, 2423), (178, 2426), (198, 2495), (201, 2501), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: Estes_20 Start: 7004, Stop: 8605, Start Num: 48

Candidate Starts for Estes_20:

(Start: 48 @7004 has 21 MA's), (147, 7193), (162, 7226), (169, 7238), (177, 7262), (183, 7289), (185, 7295), (210, 7367), (211, 7373), (219, 7400), (220, 7403), (253, 7466), (254, 7469), (263, 7487), (338, 7604), (394, 7661), (420, 7721), (423, 7730), (436, 7778), (437, 7781), (495, 7904), (504, 7940), (518, 7991), (520, 7994), (532, 8024), (536, 8033), (552, 8099), (553, 8102), (558, 8126), (588, 8216), (601, 8264), (646, 8375), (684, 8447),

Gene: Et2Brutus_12 Start: 9787, Stop: 11244, Start Num: 74

Candidate Starts for Et2Brutus_12:

(Start: 74 @9787 has 580 MA's), (116, 9832), (121, 9847), (160, 9952), (265, 10234), (278, 10267), (399, 10423), (426, 10495), (432, 10522), (434, 10528), (440, 10549), (455, 10600), (551, 10864), (558, 10894), (564, 10915), (569, 10930), (575, 10942), (580, 10951), (604, 11038), (613, 11068), (620, 11098), (633, 11128), (679, 11194),

Gene: Euphoria_12 Start: 8681, Stop: 10123, Start Num: 109

Candidate Starts for Euphoria_12:

(64, 8615), (Start: 109 @8681 has 196 MA's), (183, 8879), (265, 9092), (394, 9287), (399, 9299), (432, 9398), (453, 9470), (509, 9593), (521, 9632), (545, 9710), (547, 9716), (558, 9764), (561, 9776), (564, 9785), (592, 9875), (620, 9965), (635, 9998), (644, 10010),

Gene: Eurydice_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Eurydice_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564,

9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: EvePickles_4 Start: 2275, Stop: 3612, Start Num: 108

Candidate Starts for EvePickles_4:

(39, 2152), (41, 2155), (52, 2197), (60, 2209), (Start: 93 @2263 has 3 MA's), (Start: 108 @2275 has 17 MA's), (127, 2323), (150, 2386), (156, 2398), (254, 2656), (278, 2713), (320, 2776), (355, 2821), (386, 2848), (390, 2857), (404, 2884), (430, 2965), (434, 2977), (435, 2980), (441, 3004), (454, 3046), (509, 3172), (525, 3226), (545, 3289), (548, 3298), (557, 3340), (560, 3352), (576, 3391), (593, 3457), (620, 3538), (627, 3547), (657, 3598),

Gene: EvilGenius_15 Start: 9621, Stop: 11096, Start Num: 74

Candidate Starts for EvilGenius_15:

(Start: 74 @9621 has 580 MA's), (121, 9681), (160, 9786), (224, 9984), (265, 10068), (278, 10101), (374, 10212), (426, 10329), (432, 10356), (434, 10362), (440, 10383), (441, 10389), (455, 10434), (509, 10557), (558, 10728), (563, 10746), (564, 10749), (575, 10776), (580, 10785), (613, 10902), (620, 10932), (633, 10962), (651, 10986), (702, 11073),

Gene: Ewald_6 Start: 2915, Stop: 4390, Start Num: 98

Candidate Starts for Ewald_6:

(Start: 98 @2915 has 18 MA's), (155, 3038), (175, 3086), (179, 3098), (182, 3110), (183, 3119), (210, 3194), (219, 3227), (220, 3230), (221, 3233), (224, 3251), (226, 3257), (237, 3278), (252, 3296), (280, 3362), (282, 3368), (333, 3452), (335, 3455), (420, 3617), (426, 3635), (435, 3671), (436, 3674), (438, 3680), (444, 3707), (452, 3731), (463, 3761), (475, 3809), (492, 3857), (500, 3881), (533, 3992), (557, 4091), (571, 4130), (608, 4241), (618, 4280), (638, 4322), (640, 4325),

Gene: Exile_3 Start: 2293, Stop: 3681, Start Num: 97

Candidate Starts for Exile_3:

(Start: 97 @2293 has 14 MA's), (Start: 149 @2416 has 2 MA's), (254, 2686), (540, 3286), (588, 3445), (594, 3475), (598, 3484), (624, 3562),

Gene: Expelliarmus_9 Start: 7423, Stop: 8853, Start Num: 76

Candidate Starts for Expelliarmus_9:

(Start: 76 @7423 has 71 MA's), (159, 7573), (211, 7720), (265, 7855), (344, 7966), (394, 8029), (415, 8074), (432, 8140), (440, 8167), (453, 8212), (507, 8332), (537, 8434), (558, 8512), (559, 8518), (580, 8569), (613, 8686), (620, 8716), (652, 8770),

Gene: ExplosioNervosa_14 Start: 9926, Stop: 11413, Start Num: 74

Candidate Starts for ExplosioNervosa_14:

(Start: 74 @9926 has 580 MA's), (121, 9989), (160, 10094), (185, 10163), (229, 10304), (248, 10343), (265, 10376), (278, 10409), (394, 10553), (426, 10637), (432, 10664), (434, 10670), (440, 10691), (448, 10721), (479, 10766), (487, 10781), (558, 11036), (563, 11054), (575, 11084), (576, 11087), (580, 11093), (611, 11204), (613, 11210), (620, 11240), (645, 11285), (651, 11294),

Gene: Eyeball_12 Start: 8428, Stop: 9870, Start Num: 109

Candidate Starts for Eyeball_12:

(64, 8362), (Start: 109 @8428 has 196 MA's), (183, 8626), (265, 8839), (394, 9034), (399, 9046), (432, 9145), (509, 9340), (521, 9379), (545, 9457), (547, 9463), (558, 9511), (561, 9523), (564, 9532), (592, 9622), (620, 9712), (635, 9745), (644, 9757),

Gene: Faith1_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Faith1_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404,

3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: Faja_4 Start: 2274, Stop: 3605, Start Num: 108

Candidate Starts for Faja_4:

(Start: 93 @2262 has 3 MA's), (Start: 108 @2274 has 17 MA's), (112, 2283), (150, 2385), (156, 2397), (206, 2538), (217, 2583), (222, 2598), (226, 2619), (256, 2655), (265, 2673), (311, 2754), (345, 2799), (404, 2877), (430, 2958), (434, 2970), (435, 2973), (441, 2997), (454, 3039), (505, 3150), (509, 3165), (519, 3195), (548, 3291), (620, 3531), (622, 3534), (627, 3540), (657, 3591),

Gene: Fajezeel_14 Start: 9005, Stop: 10447, Start Num: 109

Candidate Starts for Fajezeel_14:

(64, 8939), (Start: 109 @9005 has 196 MA's), (183, 9203), (265, 9416), (394, 9611), (432, 9722), (509, 9917), (521, 9956), (545, 10034), (547, 10040), (558, 10088), (561, 10100), (564, 10109), (592, 10199), (620, 10289), (635, 10322), (644, 10334),

Gene: Fameo_13 Start: 9238, Stop: 10701, Start Num: 74

Candidate Starts for Fameo_13:

(Start: 74 @9238 has 580 MA's), (121, 9298), (160, 9403), (224, 9601), (265, 9685), (278, 9718), (374, 9829), (395, 9865), (426, 9946), (432, 9973), (434, 9979), (440, 10000), (441, 10006), (455, 10051), (509, 10174), (558, 10345), (563, 10363), (564, 10366), (575, 10393), (580, 10402), (613, 10519), (620, 10549), (633, 10579), (651, 10603),

Gene: Fancypants_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for Fancypants_3:

(Start: 102 @2240 has 236 MA's), (Start: 119 @2273 has 2 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (642, 3578),

Gene: Farber_14 Start: 8647, Stop: 10101, Start Num: 74

Candidate Starts for Farber_14:

(Start: 74 @8647 has 580 MA's), (Start: 110 @8677 has 2 MA's), (121, 8704), (160, 8809), (202, 8923), (221, 8989), (244, 9046), (278, 9124), (279, 9127), (394, 9268), (432, 9379), (434, 9385), (440, 9406), (507, 9571), (545, 9697), (558, 9751), (559, 9757), (564, 9772), (580, 9808), (604, 9895), (613, 9925), (620, 9955), (645, 10000), (652, 10009),

Gene: Farewell_3 Start: 2307, Stop: 3758, Start Num: 97

Candidate Starts for Farewell_3:

(94, 2304), (Start: 97 @2307 has 14 MA's), (Start: 101 @2313 has 52 MA's), (121, 2352), (140, 2418), (172, 2481), (178, 2502), (182, 2517), (185, 2532), (220, 2637), (225, 2661), (326, 2835), (332, 2844), (374, 2934), (385, 2955), (398, 2982), (399, 2985), (436, 3090), (480, 3159), (498, 3204), (527, 3312), (532, 3321), (537, 3345), (549, 3387), (558, 3423), (563, 3441), (590, 3522), (607, 3585), (614, 3615), (650, 3678),

Gene: Fascinus_11 Start: 8431, Stop: 9873, Start Num: 109

Candidate Starts for Fascinus_11:

(64, 8365), (Start: 109 @8431 has 196 MA's), (183, 8629), (265, 8842), (394, 9037), (399, 9049), (432, 9148), (509, 9343), (521, 9382), (545, 9460), (547, 9466), (558, 9514), (561, 9526), (564, 9535), (592,

9625), (620, 9715), (635, 9748), (644, 9760),

Gene: Fastidio_3 Start: 2291, Stop: 3613, Start Num: 120

Candidate Starts for Fastidio_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's),
(132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549),
(212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876),
(421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996),
(459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (524, 3239), (526, 3245),
(550, 3323), (558, 3356), (561, 3368), (569, 3386), (576, 3401), (580, 3407), (587, 3431), (631, 3575),

Gene: Fayely_14 Start: 9926, Stop: 11413, Start Num: 74

Candidate Starts for Fayely_14:

(Start: 74 @9926 has 580 MA's), (121, 9989), (160, 10094), (185, 10163), (229, 10304), (248, 10343),
(265, 10376), (278, 10409), (394, 10553), (411, 10589), (415, 10598), (426, 10637), (432, 10664),
(434, 10670), (440, 10691), (448, 10721), (455, 10742), (479, 10766), (487, 10781), (558, 11036),
(563, 11054), (575, 11084), (576, 11087), (580, 11093), (611, 11204), (613, 11210), (620, 11240),
(645, 11285), (651, 11294),

Gene: Fefferhead_8 Start: 2819, Stop: 4372, Start Num: 47

Candidate Starts for Fefferhead_8:

(31, 2687), (33, 2714), (Start: 42 @2804 has 24 MA's), (Start: 47 @2819 has 130 MA's), (117, 2918),
(121, 2927), (124, 2936), (Start: 149 @3008 has 2 MA's), (158, 3032), (174, 3065), (191, 3125), (210,
3176), (215, 3197), (220, 3212), (269, 3302), (274, 3317), (317, 3392), (326, 3413), (339, 3437), (376,
3506), (394, 3542), (399, 3554), (415, 3587), (426, 3620), (430, 3641), (437, 3662), (444, 3692), (482,
3725), (489, 3743), (498, 3773), (508, 3821), (512, 3833), (513, 3836), (516, 3848), (517, 3851), (525,
3878), (546, 3935), (563, 4004), (570, 4025), (593, 4100), (601, 4121), (609, 4148), (612, 4157), (624,
4193),

Gene: Fenn_13 Start: 9995, Stop: 11437, Start Num: 109

Candidate Starts for Fenn_13:

(64, 9929), (Start: 109 @9995 has 196 MA's), (183, 10193), (265, 10406), (394, 10601), (399, 10613),
(432, 10712), (509, 10907), (521, 10946), (545, 11024), (547, 11030), (558, 11078), (561, 11090),
(564, 11099), (592, 11189), (620, 11279), (635, 11312), (644, 11324),

Gene: Fernando_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for Fernando_14:

(Start: 74 @8652 has 580 MA's), (Start: 110 @8682 has 2 MA's), (121, 8709), (160, 8814), (202,
8928), (221, 8994), (244, 9051), (278, 9129), (279, 9132), (394, 9273), (432, 9384), (434, 9390), (440,
9411), (507, 9576), (545, 9702), (558, 9756), (559, 9762), (564, 9777), (580, 9813), (604, 9900), (613,
9930), (620, 9960), (645, 10005), (652, 10014),

Gene: Feyre_7 Start: 2766, Stop: 4301, Start Num: 47

Candidate Starts for Feyre_7:

(Start: 47 @2766 has 130 MA's), (104, 2838), (121, 2874), (124, 2883), (136, 2928), (174, 3012), (178,
3024), (185, 3054), (191, 3072), (210, 3123), (220, 3159), (226, 3186), (265, 3237), (267, 3240), (269,
3246), (274, 3261), (275, 3264), (317, 3336), (326, 3357), (342, 3387), (365, 3432), (394, 3486), (415,
3531), (426, 3564), (435, 3600), (436, 3603), (437, 3606), (482, 3669), (489, 3687), (490, 3693), (508,
3765), (512, 3777), (513, 3780), (517, 3795), (536, 3840), (537, 3855), (544, 3876), (557, 3930), (558,
3933), (563, 3951), (568, 3966), (590, 4032), (593, 4047), (601, 4068), (607, 4086), (612, 4104), (624,
4140), (674, 4227),

Gene: Fibonacci_13 Start: 9787, Stop: 11244, Start Num: 74

Candidate Starts for Fibonacci_13:

(Start: 74 @9787 has 580 MA's), (116, 9832), (121, 9847), (160, 9952), (265, 10234), (278, 10267), (399, 10423), (426, 10495), (432, 10522), (434, 10528), (440, 10549), (455, 10600), (551, 10864), (558, 10894), (564, 10915), (569, 10930), (575, 10942), (580, 10951), (604, 11038), (613, 11068), (620, 11098), (633, 11128), (679, 11194),

Gene: Filuzino_3 Start: 2292, Stop: 3626, Start Num: 120

Candidate Starts for Filuzino_3:

(Start: 102 @2256 has 236 MA's), (Start: 120 @2292 has 8 MA's), (Start: 128 @2316 has 1 MA's), (132, 2325), (134, 2331), (135, 2334), (148, 2373), (177, 2439), (178, 2442), (198, 2511), (210, 2550), (212, 2559), (227, 2607), (265, 2667), (285, 2715), (320, 2760), (380, 2805), (391, 2832), (413, 2877), (421, 2898), (422, 2901), (423, 2904), (428, 2925), (430, 2934), (444, 2985), (445, 2988), (448, 2997), (459, 3027), (467, 3048), (493, 3117), (496, 3126), (506, 3177), (507, 3180), (522, 3234), (524, 3240), (525, 3243), (526, 3246), (545, 3303), (558, 3357), (561, 3369), (576, 3402), (580, 3408), (587, 3432), (631, 3576), (642, 3594),

Gene: Findley_5 Start: 2088, Stop: 3593, Start Num: 45

Candidate Starts for Findley_5:

(Start: 45 @2088 has 26 MA's), (89, 2133), (104, 2154), (121, 2190), (Start: 149 @2271 has 2 MA's), (174, 2328), (178, 2340), (183, 2364), (185, 2370), (206, 2421), (210, 2439), (215, 2460), (224, 2496), (226, 2502), (253, 2526), (269, 2562), (317, 2652), (326, 2673), (341, 2700), (364, 2742), (365, 2748), (376, 2766), (399, 2814), (415, 2847), (418, 2853), (430, 2901), (437, 2922), (444, 2952), (482, 2985), (489, 3003), (490, 3009), (498, 3033), (512, 3093), (515, 3105), (517, 3111), (532, 3150), (563, 3270), (582, 3312), (608, 3411), (609, 3414), (612, 3423), (628, 3474), (660, 3519), (696, 3570),

Gene: Finemlucis_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Finemlucis_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (716, 4186), (718, 4258),

Gene: Finnry_6 Start: 2753, Stop: 4396, Start Num: 74

Candidate Starts for Finnry_6:

(Start: 74 @2753 has 580 MA's), (118, 2813), (178, 2963), (185, 2993), (210, 3065), (228, 3131), (257, 3179), (318, 3272), (341, 3311), (390, 3368), (394, 3374), (406, 3401), (411, 3410), (418, 3425), (492, 3614), (502, 3647), (510, 3686), (522, 3728), (582, 3911), (591, 3953), (598, 3980), (601, 3989), (617, 4049), (633, 4079), (638, 4088), (681, 4163), (697, 4196),

Gene: Fionnbharth_10 Start: 3922, Stop: 5508, Start Num: 45

Candidate Starts for Fionnbharth_10:

(Start: 42 @3907 has 24 MA's), (Start: 45 @3922 has 26 MA's), (56, 3946), (104, 4012), (124, 4057), (Start: 149 @4129 has 2 MA's), (174, 4186), (177, 4195), (178, 4198), (185, 4228), (210, 4297), (215, 4318), (224, 4354), (226, 4360), (253, 4384), (269, 4420), (274, 4435), (292, 4474), (370, 4609), (376, 4618), (385, 4636), (398, 4663), (399, 4666), (415, 4699), (426, 4732), (430, 4753), (437, 4774), (482, 4837), (490, 4861), (498, 4885), (508, 4933), (512, 4945), (515, 4957), (517, 4963), (532, 5002), (561, 5116), (563, 5122), (601, 5293), (609, 5320), (612, 5329), (635, 5392), (642, 5404),

Gene: Firehouse51_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Firehouse51_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: FiringLine_13 Start: 9170, Stop: 10633, Start Num: 74

Candidate Starts for FiringLine_13:

(Start: 74 @9170 has 580 MA's), (121, 9230), (160, 9335), (224, 9533), (265, 9617), (278, 9650), (374, 9761), (426, 9878), (432, 9905), (434, 9911), (440, 9932), (441, 9938), (455, 9983), (509, 10106), (558, 10277), (563, 10295), (564, 10298), (575, 10325), (580, 10334), (613, 10451), (620, 10481), (633, 10511),

Gene: First_0013 Start: 9230, Stop: 10690, Start Num: 74

Candidate Starts for First_0013:

(Start: 74 @9230 has 580 MA's), (121, 9290), (160, 9395), (256, 9659), (265, 9677), (278, 9710), (374, 9821), (426, 9938), (432, 9965), (434, 9971), (440, 9992), (441, 9998), (455, 10043), (515, 10187), (544, 10280), (558, 10337), (563, 10355), (564, 10358), (575, 10385), (580, 10394), (613, 10511), (616, 10526), (620, 10541), (633, 10571), (651, 10595),

Gene: Flapper_29 Start: 15375, Stop: 16952, Start Num: 71

Candidate Starts for Flapper_29:

(Start: 71 @15375 has 30 MA's), (185, 15651), (348, 15987), (403, 16074), (441, 16191), (450, 16221), (486, 16302), (522, 16443), (553, 16542), (558, 16566), (560, 16575), (575, 16611), (584, 16635), (607, 16719), (609, 16728), (621, 16773),

Gene: Flare16_13 Start: 9268, Stop: 10728, Start Num: 74

Candidate Starts for Flare16_13:

(Start: 74 @9268 has 580 MA's), (121, 9328), (156, 9421), (160, 9433), (265, 9715), (278, 9748), (395, 9895), (399, 9904), (426, 9976), (432, 10003), (434, 10009), (440, 10030), (525, 10258), (558, 10375), (564, 10396), (575, 10423), (580, 10432), (613, 10549), (620, 10579), (633, 10609), (651, 10633),

Gene: Flathead_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Flathead_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (339, 2745), (394, 2847), (399, 2859), (404, 2868), (418, 2898), (420, 2907), (430, 2946), (436, 2964), (437, 2967), (444, 2997), (490, 3054), (502, 3093), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Flaverint_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Flaverint_13:

(Start: 74 @9784 has 580 MA's), (116, 9829), (121, 9844), (160, 9949), (265, 10231), (278, 10264), (399, 10420), (426, 10492), (432, 10519), (434, 10525), (440, 10546), (455, 10597), (551, 10861), (558, 10891), (564, 10912), (569, 10927), (575, 10939), (580, 10948), (604, 11035), (613, 11065), (620, 11095), (633, 11125), (679, 11191),

Gene: Float294_27 Start: 14988, Stop: 16571, Start Num: 70

Candidate Starts for Float294_27:

(Start: 70 @14988 has 5 MA's), (Start: 76 @14997 has 71 MA's), (121, 15075), (210, 15342), (254, 15456), (419, 15726), (441, 15810), (445, 15825), (450, 15840), (486, 15921), (513, 16029), (522, 16062), (553, 16161), (558, 16185), (560, 16194), (584, 16254), (601, 16320), (607, 16338), (609, 16347), (621, 16392), (628, 16407),

Gene: Floof_3 Start: 2472, Stop: 4010, Start Num: 99

Candidate Starts for Floof_3:

(Start: 99 @2472 has 43 MA's), (Start: 149 @2592 has 2 MA's), (172, 2640), (185, 2691), (267, 2877), (452, 3225), (487, 3285), (492, 3300), (525, 3423), (527, 3426), (540, 3468), (591, 3633), (594, 3651), (598, 3660), (601, 3669), (690, 3849),

Gene: Florean_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Florean_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Florinda_3 Start: 2258, Stop: 3628, Start Num: 102

Candidate Starts for Florinda_3:

(Start: 102 @2258 has 236 MA's), (Start: 128 @2318 has 1 MA's), (132, 2327), (134, 2333), (135, 2336), (148, 2375), (177, 2441), (178, 2444), (198, 2513), (210, 2552), (212, 2561), (227, 2609), (265, 2669), (285, 2717), (320, 2762), (380, 2807), (391, 2834), (413, 2879), (421, 2900), (422, 2903), (423, 2906), (428, 2927), (430, 2936), (444, 2987), (445, 2990), (448, 2999), (459, 3029), (467, 3050), (493, 3119), (496, 3128), (506, 3179), (507, 3182), (522, 3236), (524, 3242), (526, 3248), (558, 3359), (580, 3410), (587, 3434), (642, 3596),

Gene: Flux_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Flux_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (525, 9580), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Footloose_3 Start: 2197, Stop: 3531, Start Num: 99

Candidate Starts for Footloose_3:

(51, 2122), (94, 2191), (Start: 97 @2194 has 14 MA's), (Start: 99 @2197 has 43 MA's), (Start: 110 @2212 has 2 MA's), (118, 2233), (121, 2236), (142, 2311), (175, 2383), (177, 2389), (178, 2392), (179, 2395), (183, 2416), (184, 2419), (194, 2449), (196, 2455), (200, 2464), (203, 2467), (208, 2479), (215, 2512), (228, 2557), (236, 2578), (249, 2581), (269, 2614), (273, 2626), (283, 2647), (314, 2674), (321, 2686), (360, 2746), (435, 2896), (448, 2944), (450, 2950), (481, 2980), (513, 3091), (518, 3109), (534, 3148), (542, 3187), (546, 3196), (557, 3244), (558, 3247), (580, 3301), (585, 3322), (588, 3337), (594, 3367), (598, 3376), (605, 3397), (612, 3421), (642, 3487),

Gene: ForGetIt_10 Start: 7783, Stop: 9216, Start Num: 76

Candidate Starts for ForGetIt_10:

(Start: 76 @7783 has 71 MA's), (173, 7951), (177, 7966), (179, 7972), (229, 8140), (244, 8167), (278, 8245), (344, 8326), (398, 8398), (399, 8401), (426, 8473), (434, 8506), (440, 8527), (448, 8557), (479, 8602), (545, 8818), (558, 8872), (563, 8890), (580, 8929), (613, 9046), (620, 9076), (633, 9106), (652, 9130),

Gene: Forsytheast_11 Start: 8695, Stop: 10137, Start Num: 109

Candidate Starts for Forsytheast_11:

(64, 8629), (Start: 109 @8695 has 196 MA's), (183, 8893), (265, 9106), (394, 9301), (399, 9313), (432, 9412), (453, 9484), (509, 9607), (521, 9646), (545, 9724), (547, 9730), (558, 9778), (561, 9790), (564, 9799), (592, 9889), (620, 9979), (635, 10012), (644, 10024),

Gene: Foxboro_26 Start: 15428, Stop: 17017, Start Num: 71

Candidate Starts for Foxboro_26:

(Start: 71 @15428 has 30 MA's), (Start: 74 @15434 has 580 MA's), (87, 15449), (91, 15458), (121, 15512), (185, 15704), (210, 15782), (216, 15806), (223, 15836), (348, 16040), (371, 16067), (388, 16094), (422, 16184), (441, 16256), (445, 16271), (450, 16286), (486, 16367), (522, 16508), (553, 16607), (555, 16622), (558, 16631), (560, 16640), (575, 16676), (584, 16700), (607, 16784), (609, 16793), (621, 16838),

Gene: Francis47_12 Start: 8932, Stop: 10374, Start Num: 109

Candidate Starts for Francis47_12:

(64, 8866), (Start: 109 @8932 has 196 MA's), (183, 9130), (265, 9343), (394, 9538), (399, 9550), (432, 9649), (453, 9721), (509, 9844), (521, 9883), (545, 9961), (547, 9967), (558, 10015), (561, 10027), (564, 10036), (592, 10126), (620, 10216), (635, 10249), (644, 10261),

Gene: Frankie_4 Start: 2198, Stop: 3793, Start Num: 101

Candidate Starts for Frankie_4:

(Start: 101 @2198 has 52 MA's), (116, 2225), (121, 2237), (172, 2366), (177, 2384), (185, 2417), (210, 2486), (220, 2522), (224, 2543), (226, 2549), (253, 2573), (254, 2576), (285, 2651), (289, 2657), (308, 2684), (319, 2702), (339, 2744), (367, 2795), (378, 2813), (394, 2846), (398, 2855), (420, 2906), (423, 2915), (430, 2945), (436, 2963), (437, 2966), (444, 2996), (490, 3053), (512, 3137), (517, 3155), (525, 3182), (532, 3194), (534, 3197), (536, 3203), (537, 3218), (548, 3251), (582, 3356), (583, 3359), (601, 3431), (603, 3437), (606, 3446), (607, 3449), (608, 3455), (612, 3467), (630, 3518), (680, 3602), (688, 3617), (704, 3659), (708, 3680), (709, 3686), (710, 3689), (717, 3776),

Gene: Fred313_12 Start: 7896, Stop: 9362, Start Num: 76

Candidate Starts for Fred313_12:

(Start: 76 @7896 has 71 MA's), (112, 7941), (160, 8067), (185, 8136), (189, 8151), (211, 8214), (217, 8235), (221, 8247), (224, 8265), (244, 8304), (256, 8331), (390, 8520), (426, 8610), (431, 8634), (432, 8637), (434, 8643), (440, 8664), (507, 8841), (545, 8967), (546, 8970), (558, 9021), (559, 9027), (564, 9042), (575, 9072), (613, 9198), (620, 9228), (635, 9258),

Gene: FreddyB_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for FreddyB_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: Froghopper_13 Start: 8374, Stop: 9816, Start Num: 109

Candidate Starts for Froghopper_13:

(64, 8308), (Start: 109 @8374 has 196 MA's), (183, 8572), (265, 8785), (394, 8980), (399, 8992), (432, 9091), (509, 9286), (521, 9325), (545, 9403), (547, 9409), (558, 9457), (561, 9469), (564, 9478), (592, 9568), (620, 9658), (635, 9691), (644, 9703),

Gene: Fruitloop_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Fruitloop_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Fryberger_35 Start: 11260, Stop: 12666, Start Num: 108

Candidate Starts for Fryberger_35:

(Start: 108 @11260 has 17 MA's), (126, 11299), (139, 11347), (169, 11407), (210, 11533), (226, 11596), (229, 11602), (265, 11647), (336, 11782), (378, 11851), (418, 11932), (424, 11953), (430, 11980), (482, 12064), (512, 12172), (549, 12295), (556, 12325), (557, 12328), (593, 12436), (594, 12442), (606, 12472), (608, 12481), (609, 12484), (612, 12493), (639, 12565), (645, 12574), (655, 12589),

Gene: Funston_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Funston_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Fury_34 Start: 14654, Stop: 16231, Start Num: 71

Candidate Starts for Fury_34:

(Start: 71 @14654 has 30 MA's), (Start: 74 @14660 has 580 MA's), (Start: 76 @14663 has 71 MA's), (94, 14690), (121, 14741), (210, 15008), (287, 15203), (298, 15218), (348, 15266), (441, 15470), (445, 15485), (450, 15500), (486, 15581), (509, 15677), (513, 15689), (522, 15722), (553, 15821), (558, 15845), (560, 15854), (575, 15890), (582, 15905), (584, 15914), (607, 15998), (619, 16046), (621, 16052),

Gene: Fushigi_13 Start: 9096, Stop: 10538, Start Num: 109

Candidate Starts for Fushigi_13:

(64, 9030), (Start: 109 @9096 has 196 MA's), (183, 9294), (265, 9507), (394, 9702), (432, 9813), (509, 10008), (521, 10047), (545, 10125), (547, 10131), (558, 10179), (561, 10191), (564, 10200), (592, 10290), (620, 10380), (635, 10413), (644, 10425),

Gene: GAL1_5 Start: 3245, Stop: 4624, Start Num: 59

Candidate Starts for GAL1_5:

(55, 3239), (59, 3245), (104, 3314), (132, 3368), (138, 3392), (148, 3416), (166, 3452), (177, 3482), (179, 3488), (181, 3497), (182, 3500), (183, 3509), (185, 3515), (207, 3578), (219, 3626), (222, 3635), (226, 3653), (276, 3710), (290, 3737), (294, 3743), (305, 3758), (422, 3914), (445, 4001), (446, 4004), (460, 4040), (478, 4091), (493, 4127), (513, 4208), (539, 4292), (540, 4295), (553, 4340), (554, 4352), (557, 4361), (578, 4409), (588, 4445), (601, 4487), (612, 4523), (623, 4562), (640, 4592),

Gene: GMA4_3 Start: 2101, Stop: 3495, Start Num: 83

Candidate Starts for GMA4_3:

(Start: 83 @2101 has 5 MA's), (129, 2191), (141, 2227), (180, 2317), (183, 2332), (205, 2386), (215, 2428), (224, 2464), (225, 2467), (226, 2470), (230, 2482), (254, 2521), (265, 2545), (274, 2569), (297, 2617), (306, 2629), (326, 2668), (343, 2701), (351, 2710), (390, 2779), (394, 2785), (398, 2794), (399, 2797), (407, 2815), (431, 2890), (445, 2941), (446, 2944), (449, 2953), (528, 3133), (557, 3241), (567, 3274), (568, 3277), (582, 3304), (598, 3373), (601, 3382), (626, 3451), (638, 3478),

Gene: GRU1_15 Start: 7260, Stop: 8837, Start Num: 71

Candidate Starts for GRU1_15:

(Start: 71 @7260 has 30 MA's), (185, 7536), (225, 7674), (348, 7872), (403, 7959), (441, 8076), (450, 8106), (486, 8187), (518, 8313), (522, 8328), (553, 8427), (558, 8451), (560, 8460), (575, 8496), (584, 8520), (607, 8604), (609, 8613), (621, 8658),

Gene: GTE5_16 Start: 8269, Stop: 9846, Start Num: 71

Candidate Starts for GTE5_16:

(Start: 71 @8269 has 30 MA's), (185, 8545), (225, 8683), (348, 8881), (403, 8968), (441, 9085), (450, 9115), (486, 9196), (518, 9322), (522, 9337), (553, 9436), (558, 9460), (560, 9469), (575, 9505), (584, 9529), (607, 9613), (609, 9622), (621, 9667),

Gene: GTE8_14 Start: 8211, Stop: 9800, Start Num: 71

Candidate Starts for GTE8_14:

(Start: 71 @8211 has 30 MA's), (Start: 74 @8217 has 580 MA's), (87, 8232), (121, 8295), (185, 8487), (210, 8565), (216, 8589), (223, 8619), (348, 8823), (371, 8850), (388, 8877), (421, 8964), (422, 8967), (441, 9039), (445, 9054), (450, 9069), (486, 9150), (496, 9183), (522, 9291), (553, 9390), (558, 9414), (560, 9423), (575, 9459), (584, 9483), (607, 9567), (609, 9576), (621, 9621),

Gene: GUmbie_3 Start: 2256, Stop: 3626, Start Num: 102

Candidate Starts for GUmbie_3:

(Start: 102 @2256 has 236 MA's), (Start: 119 @2289 has 2 MA's), (Start: 128 @2316 has 1 MA's), (132, 2325), (134, 2331), (135, 2334), (148, 2373), (176, 2436), (177, 2439), (178, 2442), (198, 2511), (201, 2517), (210, 2550), (212, 2559), (227, 2607), (265, 2667), (285, 2715), (320, 2760), (380, 2805), (391, 2832), (413, 2877), (421, 2898), (422, 2901), (423, 2904), (428, 2925), (430, 2934), (444, 2985), (445, 2988), (448, 2997), (459, 3027), (467, 3048), (493, 3117), (496, 3126), (506, 3177), (507, 3180), (524, 3240), (526, 3246), (550, 3324), (558, 3357), (561, 3369), (580, 3408), (587, 3432), (642, 3594),

Gene: Gabriela_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Gabriela_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: Gadost_12 Start: 8582, Stop: 10033, Start Num: 74

Candidate Starts for Gadost_12:

(Start: 74 @8582 has 580 MA's), (156, 8729), (160, 8741), (217, 8909), (224, 8939), (244, 8978), (253, 8996), (278, 9056), (385, 9185), (394, 9203), (399, 9215), (432, 9314), (434, 9320), (440, 9341), (441, 9347), (475, 9416), (497, 9476), (507, 9521), (545, 9647), (546, 9650), (558, 9701), (564, 9722), (575, 9752), (602, 9842), (613, 9878), (620, 9908), (633, 9938),

Gene: GageAP_14 Start: 9421, Stop: 10863, Start Num: 109

Candidate Starts for GageAP_14:

(64, 9355), (Start: 109 @9421 has 196 MA's), (183, 9619), (265, 9832), (394, 10027), (395, 10030), (399, 10039), (432, 10138), (509, 10333), (521, 10372), (545, 10450), (547, 10456), (558, 10504), (561, 10516), (564, 10525), (592, 10615), (620, 10705), (635, 10738), (644, 10750),

Gene: Gail_12 Start: 8302, Stop: 9762, Start Num: 74

Candidate Starts for Gail_12:

(Start: 74 @8302 has 580 MA's), (121, 8362), (160, 8467), (185, 8536), (229, 8677), (265, 8749), (320, 8842), (328, 8851), (395, 8929), (426, 9010), (432, 9037), (434, 9043), (439, 9061), (440, 9064), (445, 9085), (455, 9115), (477, 9136), (487, 9154), (504, 9217), (521, 9277), (558, 9409), (563, 9427), (575, 9457), (580, 9466), (593, 9526), (613, 9583), (620, 9613), (633, 9643), (651, 9667),

Gene: Galactic_3 Start: 2239, Stop: 3597, Start Num: 102

Candidate Starts for Galactic_3:

(Start: 102 @2239 has 236 MA's), (Start: 119 @2272 has 2 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (176, 2419), (177, 2422), (178, 2425), (198, 2494), (201, 2500), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (273, 2671), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (576, 3385), (580, 3391), (587, 3415), (631, 3559),

Gene: Gandalf20_13 Start: 9489, Stop: 10931, Start Num: 109

Candidate Starts for Gandalf20_13:

(64, 9423), (Start: 109 @9489 has 196 MA's), (183, 9687), (265, 9900), (394, 10095), (395, 10098), (432, 10206), (509, 10401), (521, 10440), (545, 10518), (547, 10524), (558, 10572), (561, 10584), (564, 10593), (592, 10683), (620, 10773), (635, 10806), (644, 10818),

Gene: Gandalph_3 Start: 2291, Stop: 3625, Start Num: 120

Candidate Starts for Gandalph_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (515, 3209), (522, 3233), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Ganymede_9 Start: 3046, Stop: 4599, Start Num: 47

Candidate Starts for Ganymede_9:

(33, 2944), (Start: 42 @3031 has 24 MA's), (Start: 47 @3046 has 130 MA's), (117, 3145), (121, 3154), (143, 3226), (Start: 149 @3235 has 2 MA's), (158, 3259), (174, 3292), (177, 3301), (185, 3334), (210, 3403), (215, 3424), (226, 3466), (269, 3532), (274, 3547), (317, 3622), (326, 3643), (357, 3697), (415, 3817), (426, 3850), (430, 3871), (437, 3892), (444, 3922), (482, 3955), (489, 3973), (504, 4033), (508, 4051), (512, 4063), (513, 4066), (516, 4078), (517, 4081), (534, 4117), (546, 4165), (558, 4216), (563, 4234), (593, 4330), (601, 4351), (609, 4378), (612, 4387), (624, 4423),

Gene: Garak_17 Start: 9284, Stop: 10750, Start Num: 74

Candidate Starts for Garak_17:

(Start: 74 @9284 has 580 MA's), (94, 9305), (121, 9344), (152, 9431), (157, 9443), (160, 9449), (265, 9731), (288, 9785), (408, 9944), (426, 9995), (432, 10022), (434, 10028), (440, 10049), (521, 10262), (564, 10415), (569, 10430), (575, 10442), (580, 10451), (594, 10517), (604, 10538), (613, 10568), (620, 10598), (633, 10628),

Gene: Gardann_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Gardann_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598,

3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: GardenSalsa_19 Start: 6838, Stop: 8439, Start Num: 48

Candidate Starts for GardenSalsa_19:

(Start: 48 @6838 has 21 MA's), (147, 7027), (162, 7060), (169, 7072), (177, 7096), (183, 7123), (185, 7129), (210, 7201), (211, 7207), (219, 7234), (220, 7237), (253, 7300), (254, 7303), (263, 7321), (338, 7438), (394, 7495), (420, 7555), (423, 7564), (436, 7612), (437, 7615), (495, 7738), (504, 7774), (518, 7825), (520, 7828), (532, 7858), (536, 7867), (552, 7933), (553, 7936), (558, 7960), (588, 8050), (601, 8098), (646, 8209), (684, 8281),

Gene: GardenState_3 Start: 2211, Stop: 3590, Start Num: 99

Candidate Starts for GardenState_3:

(Start: 99 @2211 has 43 MA's), (Start: 149 @2331 has 2 MA's), (267, 2619), (399, 2811), (430, 2892), (527, 3168), (540, 3210), (594, 3393), (598, 3402), (601, 3411),

Gene: GaugeLDP_15 Start: 10544, Stop: 11995, Start Num: 74

Candidate Starts for GaugeLDP_15:

(Start: 74 @10544 has 580 MA's), (94, 10565), (121, 10604), (160, 10709), (265, 10991), (330, 11096), (399, 11183), (426, 11255), (432, 11282), (434, 11288), (440, 11309), (558, 11654), (564, 11675), (575, 11702), (580, 11711), (594, 11777), (613, 11828), (620, 11858), (633, 11888), (651, 11912),

Gene: Gemma_14 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Gemma_14:

(Start: 74 @8726 has 580 MA's), (Start: 110 @8756 has 2 MA's), (121, 8783), (160, 8888), (202, 9002), (221, 9068), (244, 9125), (278, 9203), (279, 9206), (394, 9347), (432, 9458), (434, 9464), (440, 9485), (507, 9650), (545, 9776), (558, 9830), (559, 9836), (564, 9851), (580, 9887), (604, 9974), (613, 10004), (620, 10034), (645, 10079), (652, 10088),

Gene: GenevaB15_19 Start: 6859, Stop: 8460, Start Num: 48

Candidate Starts for GenevaB15_19:

(Start: 48 @6859 has 21 MA's), (147, 7048), (169, 7093), (177, 7117), (183, 7144), (185, 7150), (210, 7222), (211, 7228), (219, 7255), (220, 7258), (253, 7321), (254, 7324), (263, 7342), (338, 7459), (394, 7516), (420, 7576), (423, 7585), (435, 7630), (436, 7633), (437, 7636), (495, 7759), (504, 7795), (518, 7846), (520, 7849), (524, 7867), (532, 7879), (536, 7888), (552, 7954), (553, 7957), (558, 7981), (588, 8071), (601, 8119), (646, 8230), (684, 8302),

Gene: Gengar_7 Start: 2791, Stop: 4326, Start Num: 47

Candidate Starts for Gengar_7:

(Start: 47 @2791 has 130 MA's), (104, 2863), (121, 2899), (124, 2908), (136, 2953), (174, 3037), (178, 3049), (185, 3079), (191, 3097), (210, 3148), (220, 3184), (226, 3211), (265, 3262), (267, 3265), (269, 3271), (274, 3286), (275, 3289), (317, 3361), (326, 3382), (342, 3412), (365, 3457), (394, 3511), (415, 3556), (426, 3589), (430, 3610), (435, 3625), (436, 3628), (437, 3631), (482, 3694), (489, 3712), (490, 3718), (508, 3790), (512, 3802), (513, 3805), (517, 3820), (536, 3865), (537, 3880), (544, 3901), (557, 3955), (558, 3958), (563, 3976), (568, 3991), (590, 4057), (593, 4072), (601, 4093), (612, 4129), (624, 4165), (674, 4252),

Gene: George_9 Start: 7939, Stop: 9372, Start Num: 76

Candidate Starts for George_9:

(Start: 76 @7939 has 71 MA's), (168, 8095), (173, 8107), (177, 8122), (179, 8128), (229, 8296), (244, 8323), (278, 8401), (344, 8482), (398, 8554), (399, 8557), (426, 8629), (434, 8662), (440, 8683), (444, 8701), (448, 8713), (479, 8758), (545, 8974), (558, 9028), (563, 9046), (580, 9085), (613, 9202), (620,

9232), (633, 9262), (652, 9286),

Gene: Georgie2_14 Start: 9171, Stop: 10634, Start Num: 74

Candidate Starts for Georgie2_14:

(Start: 74 @9171 has 580 MA's), (121, 9231), (160, 9336), (224, 9534), (265, 9618), (278, 9651), (374, 9762), (426, 9879), (432, 9906), (434, 9912), (440, 9933), (441, 9939), (455, 9984), (509, 10107), (558, 10278), (563, 10296), (564, 10299), (575, 10326), (580, 10335), (613, 10452), (620, 10482), (633, 10512),

Gene: Geraldini_9 Start: 3049, Stop: 4605, Start Num: 47

Candidate Starts for Geraldini_9:

(33, 2947), (Start: 42 @3034 has 24 MA's), (Start: 47 @3049 has 130 MA's), (117, 3148), (121, 3157), (143, 3229), (Start: 149 @3238 has 2 MA's), (158, 3262), (169, 3280), (174, 3295), (177, 3304), (185, 3337), (210, 3406), (215, 3427), (226, 3469), (269, 3535), (317, 3625), (326, 3646), (357, 3700), (415, 3820), (426, 3853), (430, 3874), (437, 3895), (444, 3925), (482, 3958), (489, 3976), (504, 4036), (508, 4054), (512, 4066), (513, 4069), (516, 4081), (517, 4084), (534, 4120), (546, 4168), (558, 4219), (563, 4237), (593, 4333), (601, 4354), (609, 4381), (612, 4390), (624, 4426),

Gene: Geralt_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Geralt_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Ghouboy_10 Start: 8016, Stop: 9449, Start Num: 76

Candidate Starts for Ghouboy_10:

(Start: 76 @8016 has 71 MA's), (156, 8151), (173, 8184), (177, 8199), (179, 8205), (185, 8232), (229, 8373), (244, 8400), (278, 8478), (344, 8559), (394, 8622), (395, 8625), (398, 8631), (399, 8634), (426, 8706), (434, 8739), (440, 8760), (448, 8790), (545, 9051), (558, 9105), (563, 9123), (580, 9162), (613, 9279), (620, 9309), (645, 9354), (652, 9363),

Gene: GigiOuiOui_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for GigiOuiOui_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (515, 3209), (522, 3233), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (642, 3593),

Gene: Gilberta_13 Start: 9781, Stop: 11238, Start Num: 74

Candidate Starts for Gilberta_13:

(Start: 74 @9781 has 580 MA's), (116, 9826), (121, 9841), (160, 9946), (265, 10228), (278, 10261), (399, 10417), (426, 10489), (432, 10516), (434, 10522), (440, 10543), (455, 10594), (551, 10858), (558, 10888), (564, 10909), (569, 10924), (575, 10936), (580, 10945), (604, 11032), (613, 11062), (620, 11092), (633, 11122), (679, 11188),

Gene: GingkoMaracino_14 Start: 8540, Stop: 9994, Start Num: 74

Candidate Starts for GingkoMaracino_14:

(Start: 74 @8540 has 580 MA's), (Start: 110 @8570 has 2 MA's), (121, 8597), (160, 8702), (202, 8816), (221, 8882), (244, 8939), (278, 9017), (279, 9020), (394, 9161), (432, 9272), (434, 9278), (440, 9299), (507, 9464), (545, 9590), (558, 9644), (559, 9650), (564, 9665), (580, 9701), (604, 9788), (613, 9818), (620, 9848), (645, 9893), (652, 9902),

Gene: Girafales_4 Start: 2197, Stop: 3618, Start Num: 101

Candidate Starts for Girafales_4:

(Start: 101 @2197 has 52 MA's), (116, 2224), (121, 2236), (172, 2365), (178, 2386), (185, 2416), (210, 2485), (215, 2506), (224, 2542), (226, 2548), (253, 2572), (254, 2575), (285, 2650), (289, 2656), (319, 2701), (339, 2743), (394, 2845), (398, 2854), (399, 2857), (404, 2866), (418, 2896), (420, 2905), (430, 2944), (436, 2962), (437, 2965), (444, 2995), (490, 3052), (502, 3091), (512, 3136), (517, 3154), (525, 3181), (532, 3193), (534, 3196), (536, 3202), (548, 3250), (583, 3358), (601, 3430), (606, 3445), (608, 3454), (609, 3457), (630, 3517), (638, 3529), (654, 3553), (666, 3577),

Gene: GirDinner_8 Start: 3867, Stop: 5354, Start Num: 102

Candidate Starts for GirDinner_8:

(Start: 102 @3867 has 236 MA's), (Start: 149 @3984 has 2 MA's), (185, 4083), (195, 4137), (210, 4176), (326, 4389), (423, 4557), (443, 4632), (445, 4641), (448, 4650), (454, 4668), (456, 4674), (498, 4815), (509, 4866), (511, 4872), (585, 5109), (612, 5208), (622, 5241), (634, 5262), (681, 5340),

Gene: Giroux_12 Start: 8193, Stop: 9659, Start Num: 76

Candidate Starts for Giroux_12:

(Start: 76 @8193 has 71 MA's), (160, 8364), (189, 8448), (211, 8511), (221, 8544), (224, 8562), (244, 8601), (256, 8628), (277, 8676), (390, 8817), (395, 8826), (426, 8907), (431, 8931), (432, 8934), (434, 8940), (439, 8958), (440, 8961), (441, 8967), (507, 9138), (545, 9264), (546, 9267), (558, 9318), (559, 9324), (564, 9339), (575, 9369), (613, 9495), (620, 9525), (635, 9555),

Gene: Girr_3 Start: 2241, Stop: 3611, Start Num: 102

Candidate Starts for Girr_3:

(Start: 102 @2241 has 236 MA's), (Start: 120 @2277 has 8 MA's), (Start: 128 @2301 has 1 MA's), (132, 2310), (134, 2316), (135, 2319), (148, 2358), (177, 2424), (178, 2427), (198, 2496), (210, 2535), (212, 2544), (227, 2592), (265, 2652), (285, 2700), (320, 2745), (380, 2790), (391, 2817), (413, 2862), (421, 2883), (422, 2886), (423, 2889), (428, 2910), (430, 2919), (444, 2970), (445, 2973), (448, 2982), (459, 3012), (467, 3033), (493, 3102), (496, 3111), (506, 3162), (507, 3165), (524, 3225), (526, 3231), (550, 3309), (558, 3342), (561, 3354), (580, 3393), (587, 3417), (642, 3579),

Gene: Gladiator_16 Start: 9258, Stop: 10724, Start Num: 74

Candidate Starts for Gladiator_16:

(Start: 74 @9258 has 580 MA's), (94, 9279), (121, 9318), (152, 9405), (157, 9417), (160, 9423), (265, 9705), (288, 9759), (408, 9918), (426, 9969), (432, 9996), (434, 10002), (440, 10023), (521, 10236), (564, 10389), (569, 10404), (575, 10416), (580, 10425), (594, 10491), (604, 10512), (613, 10542), (620, 10572), (633, 10602),

Gene: Glaske16_16 Start: 6259, Stop: 7881, Start Num: 48

Candidate Starts for Glaske16_16:

(Start: 48 @6259 has 21 MA's), (56, 6274), (124, 6382), (130, 6400), (147, 6448), (162, 6481), (169, 6493), (177, 6517), (183, 6544), (185, 6550), (210, 6622), (211, 6628), (220, 6658), (248, 6739), (253, 6745), (254, 6748), (263, 6766), (385, 6922), (394, 6940), (399, 6952), (420, 7000), (436, 7057), (437, 7060), (465, 7129), (495, 7183), (504, 7219), (518, 7270), (520, 7273), (532, 7303), (536, 7312), (552, 7378), (553, 7381), (557, 7402), (558, 7405), (578, 7456), (601, 7543), (646, 7654), (663, 7684), (681, 7720), (684, 7726), (691, 7741), (697, 7753), (714, 7837),

Gene: Globfish_4 Start: 2275, Stop: 3612, Start Num: 108

Candidate Starts for Globfish_4:

(39, 2152), (41, 2155), (52, 2197), (60, 2209), (Start: 93 @2263 has 3 MA's), (Start: 108 @2275 has 17 MA's), (127, 2323), (150, 2386), (156, 2398), (254, 2656), (278, 2713), (320, 2776), (355, 2821), (386, 2848), (390, 2857), (404, 2884), (430, 2965), (434, 2977), (435, 2980), (441, 3004), (454, 3046), (509, 3172), (525, 3226), (545, 3289), (548, 3298), (557, 3340), (560, 3352), (576, 3391), (593, 3457), (620, 3538), (627, 3547), (657, 3598),

Gene: GlobiWarming_3 Start: 2383, Stop: 3741, Start Num: 98

Candidate Starts for GlobiWarming_3:

(Start: 98 @2383 has 18 MA's), (170, 2551), (175, 2569), (184, 2605), (246, 2779), (281, 2860), (301, 2890), (356, 2965), (399, 3034), (431, 3124), (436, 3139), (513, 3331), (535, 3385), (565, 3505), (593, 3589), (594, 3595), (636, 3709), (656, 3733),

Gene: Goby_7 Start: 4056, Stop: 5492, Start Num: 102

Candidate Starts for Goby_7:

(Start: 96 @4050 has 4 MA's), (Start: 102 @4056 has 236 MA's), (117, 4080), (125, 4104), (Start: 149 @4173 has 2 MA's), (172, 4221), (185, 4272), (253, 4455), (298, 4539), (326, 4581), (419, 4737), (423, 4749), (448, 4842), (483, 4920), (498, 4965), (511, 5022), (578, 5235), (585, 5259), (681, 5478),

Gene: Godpower_8 Start: 4059, Stop: 5495, Start Num: 102

Candidate Starts for Godpower_8:

(Start: 96 @4053 has 4 MA's), (Start: 102 @4059 has 236 MA's), (117, 4083), (125, 4107), (Start: 149 @4176 has 2 MA's), (172, 4224), (185, 4275), (253, 4458), (298, 4542), (326, 4584), (419, 4740), (423, 4752), (448, 4845), (483, 4923), (498, 4968), (511, 5025), (518, 5049), (578, 5238), (585, 5262), (681, 5481),

Gene: Gollum_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Gollum_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Gompeii16_12 Start: 8892, Stop: 10334, Start Num: 109

Candidate Starts for Gompeii16_12:

(64, 8826), (Start: 109 @8892 has 196 MA's), (183, 9090), (265, 9303), (394, 9498), (399, 9510), (432, 9609), (509, 9804), (521, 9843), (545, 9921), (547, 9927), (557, 9972), (558, 9975), (561, 9987), (564, 9996), (592, 10086), (620, 10176), (635, 10209), (644, 10221),

Gene: Goose_12 Start: 8377, Stop: 9819, Start Num: 74

Candidate Starts for Goose_12:

(Start: 74 @8377 has 580 MA's), (160, 8536), (185, 8605), (211, 8683), (221, 8716), (224, 8734), (243, 8773), (245, 8776), (344, 8935), (390, 8992), (399, 9010), (432, 9109), (434, 9115), (440, 9136), (441, 9142), (507, 9316), (545, 9442), (546, 9445), (558, 9496), (559, 9502), (564, 9517), (575, 9547), (580, 9556), (602, 9637), (613, 9673), (620, 9703), (649, 9754),

Gene: Gorge_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Gorge_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (464, 3029), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224),

(526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: Gorpy_4 Start: 2275, Stop: 3606, Start Num: 108

Candidate Starts for Gorpy_4:

(Start: 93 @2263 has 3 MA's), (Start: 108 @2275 has 17 MA's), (112, 2284), (150, 2386), (156, 2398), (206, 2539), (217, 2584), (222, 2599), (226, 2620), (256, 2656), (265, 2674), (311, 2755), (345, 2800), (404, 2878), (430, 2959), (434, 2971), (435, 2974), (441, 2998), (454, 3040), (505, 3151), (509, 3166), (519, 3196), (548, 3292), (620, 3532), (622, 3535), (627, 3541), (657, 3592),

Gene: Graduation_14 Start: 9454, Stop: 10896, Start Num: 109

Candidate Starts for Graduation_14:

(64, 9388), (Start: 109 @9454 has 196 MA's), (183, 9652), (265, 9865), (394, 10060), (399, 10072), (432, 10171), (453, 10243), (509, 10366), (521, 10405), (545, 10483), (547, 10489), (558, 10537), (561, 10549), (564, 10558), (592, 10648), (620, 10738), (635, 10771), (644, 10783),

Gene: GrecoEtereo_13 Start: 8992, Stop: 10434, Start Num: 109

Candidate Starts for GrecoEtereo_13:

(64, 8926), (Start: 109 @8992 has 196 MA's), (183, 9190), (265, 9403), (394, 9598), (399, 9610), (432, 9709), (509, 9904), (521, 9943), (545, 10021), (547, 10027), (558, 10075), (561, 10087), (564, 10096), (592, 10186), (620, 10276), (635, 10309), (644, 10321),

Gene: GreedyLawyer_16 Start: 9284, Stop: 10747, Start Num: 74

Candidate Starts for GreedyLawyer_16:

(Start: 74 @9284 has 580 MA's), (94, 9305), (121, 9344), (152, 9431), (157, 9443), (160, 9449), (265, 9731), (408, 9944), (426, 9995), (432, 10022), (434, 10028), (440, 10049), (564, 10415), (575, 10442), (580, 10451), (593, 10511), (613, 10568), (620, 10598), (633, 10628), (653, 10655),

Gene: GreenWeasel_9 Start: 4105, Stop: 5589, Start Num: 102

Candidate Starts for GreenWeasel_9:

(Start: 102 @4105 has 236 MA's), (Start: 149 @4222 has 2 MA's), (172, 4270), (228, 4477), (243, 4501), (286, 4576), (298, 4588), (300, 4591), (319, 4612), (326, 4630), (341, 4657), (369, 4690), (384, 4711), (387, 4720), (423, 4795), (431, 4828), (434, 4837), (436, 4843), (443, 4870), (448, 4888), (452, 4900), (454, 4906), (491, 5032), (498, 5053), (509, 5104), (511, 5110), (557, 5269), (582, 5332), (585, 5347), (609, 5437), (622, 5479), (670, 5551),

Gene: Greg_14 Start: 9005, Stop: 10447, Start Num: 109

Candidate Starts for Greg_14:

(64, 8939), (Start: 109 @9005 has 196 MA's), (183, 9203), (265, 9416), (394, 9611), (432, 9722), (509, 9917), (521, 9956), (545, 10034), (547, 10040), (558, 10088), (561, 10100), (564, 10109), (592, 10199), (620, 10289), (635, 10322), (644, 10334),

Gene: Gretchen_3 Start: 2531, Stop: 3961, Start Num: 149

Candidate Starts for Gretchen_3:

(Start: 149 @2531 has 2 MA's), (185, 2630), (267, 2816), (430, 3089), (452, 3164), (487, 3224), (513, 3320), (525, 3362), (527, 3365), (540, 3407), (591, 3572), (594, 3590), (598, 3599),

Gene: Grif_14 Start: 8737, Stop: 10191, Start Num: 74

Candidate Starts for Grif_14:

(Start: 74 @8737 has 580 MA's), (Start: 110 @8767 has 2 MA's), (121, 8794), (160, 8899), (202, 9013), (221, 9079), (244, 9136), (278, 9214), (279, 9217), (394, 9358), (432, 9469), (434, 9475), (440, 9496), (507, 9661), (545, 9787), (558, 9841), (559, 9847), (564, 9862), (580, 9898), (604, 9985), (613, 10015), (620, 10045), (645, 10090), (652, 10099),

Gene: GrootJr_27 Start: 14278, Stop: 15867, Start Num: 71

Candidate Starts for GrootJr_27:

(Start: 71 @14278 has 30 MA's), (Start: 74 @14284 has 580 MA's), (87, 14299), (121, 14362), (185, 14554), (210, 14632), (216, 14656), (223, 14686), (371, 14917), (422, 15034), (441, 15106), (445, 15121), (450, 15136), (486, 15217), (522, 15358), (553, 15457), (555, 15472), (558, 15481), (560, 15490), (575, 15526), (584, 15550), (607, 15634), (609, 15643), (621, 15688),

Gene: Groundhog_9 Start: 7424, Stop: 8854, Start Num: 76

Candidate Starts for Groundhog_9:

(Start: 76 @7424 has 71 MA's), (159, 7574), (211, 7721), (265, 7856), (344, 7967), (394, 8030), (415, 8075), (432, 8141), (440, 8168), (453, 8213), (507, 8333), (537, 8435), (558, 8513), (559, 8519), (580, 8570), (613, 8687), (620, 8717), (652, 8771),

Gene: Groupthink_15 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Groupthink_15:

(Start: 74 @8726 has 580 MA's), (Start: 110 @8756 has 2 MA's), (121, 8783), (160, 8888), (202, 9002), (221, 9068), (244, 9125), (278, 9203), (279, 9206), (394, 9347), (432, 9458), (434, 9464), (440, 9485), (507, 9650), (545, 9776), (558, 9830), (559, 9836), (564, 9851), (580, 9887), (604, 9974), (613, 10004), (620, 10034), (645, 10079), (652, 10088),

Gene: Grub_14 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for Grub_14:

(Start: 74 @8646 has 580 MA's), (Start: 110 @8676 has 2 MA's), (121, 8703), (160, 8808), (202, 8922), (221, 8988), (244, 9045), (278, 9123), (279, 9126), (394, 9267), (432, 9378), (434, 9384), (440, 9405), (507, 9570), (545, 9696), (558, 9750), (559, 9756), (564, 9771), (580, 9807), (604, 9894), (613, 9924), (620, 9954), (645, 9999), (652, 10008),

Gene: Grum1_14 Start: 8647, Stop: 10101, Start Num: 74

Candidate Starts for Grum1_14:

(Start: 74 @8647 has 580 MA's), (Start: 110 @8677 has 2 MA's), (121, 8704), (160, 8809), (202, 8923), (221, 8989), (244, 9046), (278, 9124), (279, 9127), (394, 9268), (432, 9379), (434, 9385), (440, 9406), (507, 9571), (545, 9697), (558, 9751), (559, 9757), (564, 9772), (580, 9808), (604, 9895), (613, 9925), (620, 9955), (645, 10000), (652, 10009),

Gene: Gruunaga_16 Start: 9258, Stop: 10724, Start Num: 74

Candidate Starts for Gruunaga_16:

(Start: 74 @9258 has 580 MA's), (94, 9279), (121, 9318), (152, 9405), (157, 9417), (160, 9423), (265, 9705), (288, 9759), (408, 9918), (426, 9969), (432, 9996), (434, 10002), (440, 10023), (521, 10236), (564, 10389), (569, 10404), (575, 10416), (580, 10425), (594, 10491), (604, 10512), (613, 10542), (620, 10572), (633, 10602),

Gene: GtownJaz_14 Start: 8655, Stop: 10109, Start Num: 74

Candidate Starts for GtownJaz_14:

(Start: 74 @8655 has 580 MA's), (Start: 110 @8685 has 2 MA's), (121, 8712), (160, 8817), (202, 8931), (221, 8997), (244, 9054), (278, 9132), (279, 9135), (394, 9276), (432, 9387), (434, 9393), (440, 9414), (507, 9579), (545, 9705), (558, 9759), (559, 9765), (564, 9780), (580, 9816), (604, 9903), (613, 9933), (620, 9963), (645, 10008), (652, 10017),

Gene: Guanica15_9 Start: 3023, Stop: 4576, Start Num: 47

Candidate Starts for Guanica15_9:

(Start: 42 @3008 has 24 MA's), (Start: 47 @3023 has 130 MA's), (117, 3116), (121, 3125), (131, 3155), (158, 3230), (174, 3263), (177, 3272), (210, 3374), (215, 3395), (220, 3410), (224, 3431), (226, 3437), (274, 3515), (292, 3554), (326, 3611), (415, 3785), (430, 3839), (437, 3860), (444, 3890), (482,

3923), (508, 4019), (512, 4031), (513, 4034), (516, 4046), (517, 4049), (521, 4061), (530, 4082), (534, 4085), (563, 4202), (592, 4295), (601, 4319), (608, 4343), (609, 4346), (612, 4355), (642, 4430), (674, 4478),

Gene: Guey18_40 Start: 12453, Stop: 13859, Start Num: 108

Candidate Starts for Guey18_40:

(Start: 108 @12453 has 17 MA's), (126, 12492), (139, 12540), (169, 12600), (210, 12726), (226, 12789), (229, 12795), (265, 12840), (336, 12975), (378, 13044), (418, 13125), (424, 13146), (430, 13173), (482, 13257), (512, 13365), (549, 13488), (556, 13518), (557, 13521), (582, 13575), (591, 13617), (593, 13629), (594, 13635), (612, 13686), (639, 13758), (645, 13767), (655, 13782),

Gene: Guillsminger_7 Start: 2766, Stop: 4301, Start Num: 47

Candidate Starts for Guillsminger_7:

(Start: 47 @2766 has 130 MA's), (104, 2838), (121, 2874), (124, 2883), (136, 2928), (174, 3012), (178, 3024), (185, 3054), (191, 3072), (210, 3123), (220, 3159), (226, 3186), (265, 3237), (267, 3240), (269, 3246), (274, 3261), (275, 3264), (317, 3336), (326, 3357), (342, 3387), (365, 3432), (394, 3486), (415, 3531), (426, 3564), (430, 3585), (435, 3600), (436, 3603), (437, 3606), (482, 3669), (489, 3687), (490, 3693), (508, 3765), (512, 3777), (513, 3780), (517, 3795), (536, 3840), (537, 3855), (544, 3876), (557, 3930), (558, 3933), (563, 3951), (568, 3966), (590, 4032), (593, 4047), (601, 4068), (612, 4104), (624, 4140), (674, 4227),

Gene: Guppsters_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Guppsters_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (525, 3242), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: GuuelaD_5 Start: 2644, Stop: 4299, Start Num: 74

Candidate Starts for GuuelaD_5:

(Start: 74 @2644 has 580 MA's), (121, 2707), (126, 2722), (132, 2740), (147, 2785), (175, 2845), (183, 2878), (210, 2956), (226, 3019), (257, 3070), (267, 3088), (318, 3163), (341, 3202), (390, 3259), (394, 3265), (399, 3277), (404, 3286), (406, 3292), (407, 3295), (418, 3316), (424, 3337), (426, 3343), (436, 3382), (483, 3478), (492, 3505), (521, 3613), (522, 3619), (551, 3712), (557, 3739), (563, 3760), (582, 3802), (586, 3823), (591, 3844), (598, 3871), (601, 3880), (617, 3940), (633, 3970), (638, 3979), (697, 4087), (705, 4120), (713, 4159), (718, 4264),

Gene: GuyFagieri_29 Start: 15637, Stop: 17226, Start Num: 66

Candidate Starts for GuyFagieri_29:

(50, 15610), (Start: 66 @15637 has 7 MA's), (Start: 71 @15643 has 30 MA's), (Start: 76 @15652 has 71 MA's), (89, 15670), (90, 15673), (121, 15730), (153, 15823), (210, 15997), (211, 16003), (219, 16030), (259, 16123), (292, 16198), (298, 16207), (325, 16237), (388, 16306), (436, 16435), (441, 16456), (446, 16474), (450, 16486), (493, 16591), (500, 16618), (509, 16663), (513, 16675), (522, 16708), (548, 16786), (553, 16807), (558, 16831), (560, 16840), (570, 16864), (599, 16960), (607, 16984), (609, 16993), (615, 17017),

Gene: Gwendoluna_14 Start: 9873, Stop: 11315, Start Num: 109

Candidate Starts for Gwendoluna_14:

(64, 9807), (Start: 109 @9873 has 196 MA's), (183, 10071), (265, 10284), (394, 10479), (399, 10491), (432, 10590), (509, 10785), (521, 10824), (545, 10902), (547, 10908), (558, 10956), (561, 10968),

(564, 10977), (592, 11067), (620, 11157), (635, 11190), (644, 11202),

Gene: Gyzlar_14 Start: 9635, Stop: 11077, Start Num: 109

Candidate Starts for Gyzlar_14:

(64, 9569), (Start: 109 @9635 has 196 MA's), (183, 9833), (265, 10046), (394, 10241), (432, 10352), (509, 10547), (521, 10586), (545, 10664), (547, 10670), (558, 10718), (561, 10730), (564, 10739), (592, 10829), (620, 10919), (635, 10952), (644, 10964),

Gene: HINdeR_12 Start: 9860, Stop: 11317, Start Num: 74

Candidate Starts for HINdeR_12:

(Start: 74 @9860 has 580 MA's), (121, 9920), (156, 10013), (160, 10025), (169, 10037), (202, 10139), (224, 10223), (235, 10250), (253, 10280), (394, 10484), (399, 10496), (411, 10520), (426, 10568), (432, 10595), (434, 10601), (440, 10622), (441, 10628), (445, 10643), (448, 10652), (491, 10736), (507, 10799), (525, 10862), (545, 10925), (546, 10928), (558, 10979), (559, 10985), (564, 11000), (580, 11036), (602, 11117), (613, 11153), (620, 11183),

Gene: Hades_3 Start: 2255, Stop: 3613, Start Num: 102

Candidate Starts for Hades_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575),

Gene: Hafay_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Hafay_5:

(Start: 74 @2638 has 580 MA's), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: Haizum_7 Start: 3857, Stop: 5332, Start Num: 102

Candidate Starts for Haizum_7:

(Start: 102 @3857 has 236 MA's), (Start: 149 @3974 has 2 MA's), (185, 4073), (210, 4166), (269, 4289), (369, 4439), (423, 4544), (443, 4619), (448, 4637), (452, 4649), (454, 4655), (498, 4802), (509, 4853), (511, 4859), (525, 4907), (563, 5039), (585, 5096), (609, 5186), (681, 5318),

Gene: Halena_5 Start: 2625, Stop: 4298, Start Num: 74

Candidate Starts for Halena_5:

(Start: 74 @2625 has 580 MA's), (121, 2688), (147, 2766), (178, 2835), (183, 2859), (210, 2937), (220, 2973), (265, 3066), (267, 3069), (318, 3144), (341, 3183), (394, 3246), (406, 3273), (407, 3276), (418, 3297), (424, 3318), (435, 3360), (436, 3363), (485, 3465), (490, 3480), (492, 3486), (513, 3567), (521, 3594), (522, 3600), (551, 3693), (557, 3720), (559, 3729), (582, 3783), (586, 3804), (591, 3825), (598, 3852), (601, 3861), (617, 3921), (633, 3951), (638, 3960), (697, 4068), (718, 4263),

Gene: Halsey_3 Start: 2307, Stop: 3875, Start Num: 97

Candidate Starts for Halsey_3:

(Start: 97 @2307 has 14 MA's), (Start: 149 @2433 has 2 MA's), (224, 2658), (243, 2694), (254, 2703), (263, 2721), (330, 2820), (394, 2925), (513, 3231), (515, 3240), (521, 3258), (525, 3273), (527, 3276), (598, 3516), (677, 3690),

Gene: HamSlice_11 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for HamSlice_11:

(Start: 74 @8579 has 580 MA's), (156, 8726), (160, 8738), (217, 8906), (224, 8936), (244, 8975), (253, 8993), (278, 9053), (385, 9182), (394, 9200), (399, 9212), (432, 9311), (434, 9317), (440, 9338), (441, 9344), (475, 9413), (497, 9473), (507, 9518), (545, 9644), (546, 9647), (558, 9698), (559, 9704), (564, 9719), (575, 9749), (602, 9839), (613, 9875), (615, 9887), (620, 9905), (633, 9935),

Gene: Hami1_14 Start: 9076, Stop: 10518, Start Num: 109

Candidate Starts for Hami1_14:

(64, 9010), (Start: 109 @9076 has 196 MA's), (183, 9274), (265, 9487), (394, 9682), (399, 9694), (432, 9793), (453, 9865), (509, 9988), (521, 10027), (545, 10105), (547, 10111), (558, 10159), (561, 10171), (564, 10180), (592, 10270), (620, 10360), (635, 10393), (644, 10405),

Gene: Hammer_16 Start: 9258, Stop: 10724, Start Num: 74

Candidate Starts for Hammer_16:

(Start: 74 @9258 has 580 MA's), (94, 9279), (121, 9318), (152, 9405), (157, 9417), (160, 9423), (265, 9705), (288, 9759), (408, 9918), (426, 9969), (432, 9996), (434, 10002), (440, 10023), (521, 10236), (564, 10389), (569, 10404), (575, 10416), (580, 10425), (594, 10491), (604, 10512), (613, 10542), (620, 10572), (633, 10602),

Gene: Hammy_8 Start: 2820, Stop: 4373, Start Num: 47

Candidate Starts for Hammy_8:

(13, 2265), (17, 2406), (33, 2715), (Start: 42 @2805 has 24 MA's), (Start: 47 @2820 has 130 MA's), (117, 2919), (121, 2928), (123, 2934), (Start: 149 @3009 has 2 MA's), (158, 3033), (174, 3066), (191, 3126), (210, 3177), (215, 3198), (220, 3213), (269, 3303), (274, 3318), (317, 3393), (326, 3414), (339, 3438), (376, 3507), (399, 3555), (415, 3588), (418, 3594), (426, 3621), (430, 3642), (437, 3663), (482, 3726), (489, 3744), (508, 3822), (512, 3834), (513, 3837), (517, 3852), (525, 3879), (546, 3936), (557, 3984), (558, 3987), (563, 4005), (570, 4026), (582, 4047), (590, 4086), (593, 4101), (608, 4146), (609, 4149), (612, 4158), (624, 4194), (628, 4209),

Gene: Hamulus_3 Start: 2256, Stop: 3626, Start Num: 102

Candidate Starts for Hamulus_3:

(Start: 102 @2256 has 236 MA's), (Start: 120 @2292 has 8 MA's), (Start: 128 @2316 has 1 MA's), (132, 2325), (134, 2331), (135, 2334), (148, 2373), (177, 2439), (178, 2442), (198, 2511), (210, 2550), (212, 2559), (227, 2607), (265, 2667), (285, 2715), (320, 2760), (380, 2805), (391, 2832), (413, 2877), (421, 2898), (422, 2901), (423, 2904), (428, 2925), (430, 2934), (444, 2985), (445, 2988), (448, 2997), (459, 3027), (467, 3048), (493, 3117), (496, 3126), (506, 3177), (507, 3180), (522, 3234), (524, 3240), (525, 3243), (526, 3246), (545, 3303), (558, 3357), (561, 3369), (576, 3402), (580, 3408), (587, 3432), (631, 3576), (642, 3594),

Gene: HanShotFirst_12 Start: 8296, Stop: 9738, Start Num: 109

Candidate Starts for HanShotFirst_12:

(64, 8230), (Start: 109 @8296 has 196 MA's), (183, 8494), (265, 8707), (394, 8902), (399, 8914), (432, 9013), (453, 9085), (509, 9208), (521, 9247), (545, 9325), (547, 9331), (558, 9379), (561, 9391), (564, 9400), (580, 9433), (592, 9490), (620, 9580), (635, 9613), (644, 9625),

Gene: Hank144_8 Start: 4150, Stop: 5634, Start Num: 102

Candidate Starts for Hank144_8:

(Start: 102 @4150 has 236 MA's), (Start: 149 @4267 has 2 MA's), (172, 4315), (175, 4327), (185, 4366), (210, 4459), (300, 4633), (326, 4672), (369, 4732), (418, 4819), (419, 4825), (423, 4837), (443, 4912), (448, 4930), (452, 4942), (454, 4948), (456, 4954), (498, 5095), (509, 5146), (511, 5152), (585, 5389), (612, 5488), (622, 5521), (681, 5620),

Gene: Happiness_12 Start: 8583, Stop: 10034, Start Num: 74

Candidate Starts for Happiness_12:

(Start: 74 @8583 has 580 MA's), (156, 8730), (160, 8742), (217, 8910), (224, 8940), (244, 8979), (253, 8997), (278, 9057), (385, 9186), (394, 9204), (399, 9216), (432, 9315), (434, 9321), (440, 9342), (441, 9348), (475, 9417), (497, 9477), (545, 9648), (546, 9651), (558, 9702), (559, 9708), (564, 9723), (575, 9753), (602, 9843), (613, 9879), (615, 9891), (620, 9909), (633, 9939),

Gene: Harlequin_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Harlequin_9:

(38, 4754), (Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (241, 5222), (248, 5237), (256, 5252), (344, 5381), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Harley_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Harley_3:

(Start: 102 @2240 has 236 MA's), (Start: 119 @2273 has 2 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (176, 2420), (177, 2423), (178, 2426), (198, 2495), (201, 2501), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: HarryHoudini_15 Start: 9724, Stop: 11184, Start Num: 74

Candidate Starts for HarryHoudini_15:

(Start: 74 @9724 has 580 MA's), (121, 9784), (156, 9877), (160, 9889), (265, 10171), (278, 10204), (395, 10351), (399, 10360), (426, 10432), (432, 10459), (434, 10465), (440, 10486), (525, 10714), (558, 10831), (564, 10852), (575, 10879), (580, 10888), (613, 11005), (620, 11035), (633, 11065), (651, 11089),

Gene: HarryOW_13 Start: 8992, Stop: 10434, Start Num: 109

Candidate Starts for HarryOW_13:

(64, 8926), (Start: 109 @8992 has 196 MA's), (183, 9190), (265, 9403), (394, 9598), (399, 9610), (432, 9709), (509, 9904), (521, 9943), (545, 10021), (547, 10027), (558, 10075), (561, 10087), (564, 10096), (592, 10186), (620, 10276), (635, 10309), (644, 10321),

Gene: HashRod_15 Start: 8738, Stop: 10192, Start Num: 74

Candidate Starts for HashRod_15:

(Start: 74 @8738 has 580 MA's), (Start: 110 @8768 has 2 MA's), (121, 8795), (160, 8900), (202, 9014), (221, 9080), (244, 9137), (278, 9215), (279, 9218), (394, 9359), (432, 9470), (434, 9476), (440, 9497), (507, 9662), (545, 9788), (558, 9842), (559, 9848), (564, 9863), (580, 9899), (604, 9986), (613, 10016), (620, 10046), (645, 10091), (652, 10100),

Gene: HaveUMetTed_15 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for HaveUMetTed_15:

(Start: 74 @8726 has 580 MA's), (Start: 110 @8756 has 2 MA's), (121, 8783), (160, 8888), (202, 9002), (221, 9068), (244, 9125), (278, 9203), (279, 9206), (394, 9347), (432, 9458), (434, 9464), (440, 9485), (507, 9650), (545, 9776), (558, 9830), (559, 9836), (564, 9851), (580, 9887), (604, 9974), (613, 10004), (620, 10034), (645, 10079), (652, 10088),

Gene: Heathen_12 Start: 7994, Stop: 9460, Start Num: 76

Candidate Starts for Heathen_12:

(Start: 76 @7994 has 71 MA's), (160, 8165), (189, 8249), (211, 8312), (221, 8345), (224, 8363), (244, 8402), (256, 8429), (277, 8477), (390, 8618), (395, 8627), (426, 8708), (431, 8732), (432, 8735), (434, 8741), (440, 8762), (507, 8939), (545, 9065), (546, 9068), (558, 9119), (559, 9125), (564, 9140), (575, 9170), (613, 9296), (620, 9326), (635, 9356),

Gene: HedwigODU_9 Start: 3020, Stop: 4579, Start Num: 47

Candidate Starts for HedwigODU_9:

(33, 2918), (Start: 42 @3005 has 24 MA's), (Start: 47 @3020 has 130 MA's), (117, 3122), (121, 3131), (143, 3203), (Start: 149 @3212 has 2 MA's), (158, 3236), (174, 3269), (177, 3278), (185, 3311), (191, 3329), (210, 3380), (215, 3401), (226, 3443), (269, 3509), (274, 3524), (317, 3599), (326, 3620), (357, 3674), (415, 3794), (426, 3827), (430, 3848), (437, 3869), (444, 3899), (482, 3932), (489, 3950), (508, 4028), (512, 4040), (513, 4043), (516, 4055), (517, 4058), (534, 4094), (546, 4142), (558, 4193), (563, 4211), (593, 4307), (601, 4328), (609, 4355), (612, 4364), (624, 4400),

Gene: Heffalump_15 Start: 11037, Stop: 12500, Start Num: 74

Candidate Starts for Heffalump_15:

(Start: 74 @11037 has 580 MA's), (121, 11097), (160, 11202), (265, 11484), (278, 11517), (374, 11628), (432, 11772), (434, 11778), (440, 11799), (441, 11805), (455, 11850), (515, 11994), (545, 12090), (558, 12144), (563, 12162), (564, 12165), (575, 12192), (580, 12201), (613, 12318), (616, 12333), (620, 12348), (633, 12378),

Gene: Heftyboy_7 Start: 2788, Stop: 4323, Start Num: 47

Candidate Starts for Heftyboy_7:

(Start: 47 @2788 has 130 MA's), (104, 2860), (121, 2896), (124, 2905), (136, 2950), (174, 3034), (178, 3046), (185, 3076), (191, 3094), (210, 3145), (220, 3181), (226, 3208), (265, 3259), (267, 3262), (269, 3268), (274, 3283), (275, 3286), (317, 3358), (326, 3379), (342, 3409), (365, 3454), (394, 3508), (415, 3553), (426, 3586), (430, 3607), (435, 3622), (436, 3625), (437, 3628), (482, 3691), (489, 3709), (490, 3715), (508, 3787), (512, 3799), (513, 3802), (517, 3817), (536, 3862), (537, 3877), (544, 3898), (557, 3952), (558, 3955), (563, 3973), (568, 3988), (590, 4054), (593, 4069), (601, 4090), (612, 4126), (624, 4162), (674, 4249),

Gene: Hegedechwinu_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Hegedechwinu_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (339, 2745), (394, 2847), (399, 2859), (404, 2868), (418, 2898), (420, 2907), (430, 2946), (436, 2964), (437, 2967), (444, 2997), (490, 3054), (502, 3093), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: HelDan_12 Start: 8246, Stop: 9712, Start Num: 76

Candidate Starts for HelDan_12:

(Start: 76 @8246 has 71 MA's), (160, 8417), (189, 8501), (211, 8564), (221, 8597), (224, 8615), (244, 8654), (256, 8681), (277, 8729), (390, 8870), (395, 8879), (426, 8960), (431, 8984), (432, 8987), (434, 8993), (440, 9014), (441, 9020), (507, 9191), (545, 9317), (546, 9320), (558, 9371), (559, 9377), (564, 9392), (575, 9422), (613, 9548), (620, 9578), (635, 9608),

Gene: Heliosoles_14 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Heliosoles_14:

(Start: 74 @8726 has 580 MA's), (Start: 110 @8756 has 2 MA's), (121, 8783), (160, 8888), (202, 9002), (221, 9068), (244, 9125), (278, 9203), (279, 9206), (394, 9347), (432, 9458), (434, 9464), (440, 9485), (507, 9650), (545, 9776), (558, 9830), (559, 9836), (564, 9851), (580, 9887), (604, 9974), (613,

10004), (620, 10034), (645, 10079), (652, 10088),

Gene: Helmet_17 Start: 9284, Stop: 10750, Start Num: 74

Candidate Starts for Helmet_17:

(Start: 74 @9284 has 580 MA's), (94, 9305), (121, 9344), (152, 9431), (157, 9443), (160, 9449), (265, 9731), (288, 9785), (408, 9944), (426, 9995), (432, 10022), (434, 10028), (440, 10049), (521, 10262), (564, 10415), (569, 10430), (575, 10442), (580, 10451), (594, 10517), (604, 10538), (613, 10568), (620, 10598), (633, 10628),

Gene: Herbertwm_11 Start: 8071, Stop: 9552, Start Num: 74

Candidate Starts for Herbertwm_11:

(Start: 74 @8071 has 580 MA's), (121, 8131), (160, 8236), (229, 8446), (265, 8518), (274, 8542), (398, 8704), (426, 8779), (432, 8806), (434, 8812), (440, 8833), (448, 8863), (455, 8884), (551, 9148), (558, 9178), (563, 9196), (575, 9226), (580, 9235), (613, 9352), (620, 9382), (633, 9412), (645, 9427), (651, 9436),

Gene: Hercules11_14 Start: 8661, Stop: 10115, Start Num: 74

Candidate Starts for Hercules11_14:

(Start: 74 @8661 has 580 MA's), (Start: 110 @8691 has 2 MA's), (121, 8718), (160, 8823), (202, 8937), (221, 9003), (244, 9060), (278, 9138), (279, 9141), (394, 9282), (432, 9393), (434, 9399), (440, 9420), (507, 9585), (545, 9711), (558, 9765), (559, 9771), (564, 9786), (580, 9822), (604, 9909), (613, 9939), (620, 9969), (645, 10014), (652, 10023),

Gene: Hermia_14 Start: 9436, Stop: 10878, Start Num: 109

Candidate Starts for Hermia_14:

(64, 9370), (Start: 109 @9436 has 196 MA's), (183, 9634), (265, 9847), (394, 10042), (399, 10054), (432, 10153), (509, 10348), (521, 10387), (545, 10465), (547, 10471), (558, 10519), (561, 10531), (564, 10540), (592, 10630), (620, 10720), (635, 10753), (644, 10765),

Gene: HermioneGrange_13 Start: 8405, Stop: 9847, Start Num: 109

Candidate Starts for HermioneGrange_13:

(64, 8339), (Start: 109 @8405 has 196 MA's), (183, 8603), (265, 8816), (394, 9011), (395, 9014), (432, 9122), (453, 9194), (509, 9317), (521, 9356), (545, 9434), (547, 9440), (558, 9488), (561, 9500), (564, 9509), (592, 9599), (620, 9689), (635, 9722), (644, 9734),

Gene: Hestia_3 Start: 2347, Stop: 3684, Start Num: 108

Candidate Starts for Hestia_3:

(85, 2320), (Start: 93 @2335 has 3 MA's), (Start: 108 @2347 has 17 MA's), (127, 2395), (150, 2458), (156, 2470), (254, 2728), (278, 2785), (311, 2833), (390, 2929), (399, 2947), (404, 2956), (430, 3037), (434, 3049), (435, 3052), (441, 3076), (454, 3118), (509, 3244), (525, 3298), (545, 3361), (548, 3370), (557, 3412), (560, 3424), (576, 3463), (588, 3505), (593, 3529), (620, 3610), (627, 3619), (657, 3670),

Gene: Hexamo_16 Start: 9239, Stop: 10705, Start Num: 74

Candidate Starts for Hexamo_16:

(Start: 74 @9239 has 580 MA's), (94, 9260), (121, 9299), (152, 9386), (157, 9398), (160, 9404), (265, 9686), (288, 9740), (408, 9899), (426, 9950), (432, 9977), (434, 9983), (440, 10004), (521, 10217), (564, 10370), (569, 10385), (575, 10397), (580, 10406), (594, 10472), (604, 10493), (613, 10523), (620, 10553), (633, 10583),

Gene: Hillester_4 Start: 2274, Stop: 3605, Start Num: 108

Candidate Starts for Hillester_4:

(Start: 93 @2262 has 3 MA's), (Start: 108 @2274 has 17 MA's), (112, 2283), (150, 2385), (156, 2397), (206, 2538), (217, 2583), (222, 2598), (226, 2619), (256, 2655), (265, 2673), (311, 2754), (345, 2799),

(404, 2877), (430, 2958), (434, 2970), (435, 2973), (441, 2997), (454, 3039), (505, 3150), (509, 3165), (519, 3195), (548, 3291), (620, 3531), (622, 3534), (627, 3540), (657, 3591),

Gene: Hippo_7 Start: 4055, Stop: 5491, Start Num: 102

Candidate Starts for Hippo_7:

(Start: 96 @4049 has 4 MA's), (Start: 102 @4055 has 236 MA's), (117, 4079), (125, 4103), (Start: 149 @4172 has 2 MA's), (172, 4220), (175, 4232), (185, 4271), (228, 4424), (298, 4538), (326, 4580), (341, 4607), (369, 4640), (373, 4646), (419, 4736), (423, 4748), (443, 4823), (448, 4841), (483, 4919), (498, 4964), (511, 5021), (578, 5234), (585, 5258), (622, 5390), (661, 5456), (681, 5477),

Gene: Hiro_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Hiro_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Hlubikazi_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Hlubikazi_3:

(Start: 102 @2240 has 236 MA's), (Start: 119 @2273 has 2 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (176, 2420), (177, 2423), (178, 2426), (198, 2495), (201, 2501), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: Holli_12 Start: 8371, Stop: 9822, Start Num: 74

Candidate Starts for Holli_12:

(Start: 74 @8371 has 580 MA's), (156, 8518), (160, 8530), (217, 8698), (224, 8728), (244, 8767), (253, 8785), (278, 8845), (385, 8974), (394, 8992), (432, 9103), (434, 9109), (440, 9130), (441, 9136), (475, 9205), (497, 9265), (507, 9310), (545, 9436), (546, 9439), (558, 9490), (559, 9496), (564, 9511), (575, 9541), (602, 9631), (613, 9667), (615, 9679), (620, 9697), (633, 9727),

Gene: Homines_12 Start: 8711, Stop: 10153, Start Num: 109

Candidate Starts for Homines_12:

(64, 8645), (Start: 109 @8711 has 196 MA's), (183, 8909), (265, 9122), (394, 9317), (399, 9329), (432, 9428), (509, 9623), (521, 9662), (545, 9740), (547, 9746), (558, 9794), (561, 9806), (564, 9815), (592, 9905), (620, 9995), (635, 10028), (644, 10040),

Gene: Homura_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Homura_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Honk_3 Start: 2397, Stop: 3779, Start Num: 99

Candidate Starts for Honk_3:

(Start: 99 @2397 has 43 MA's), (Start: 149 @2517 has 2 MA's), (178, 2586), (224, 2742), (376, 2961), (395, 3000), (420, 3051), (436, 3108), (532, 3357), (536, 3366), (582, 3513), (588, 3543), (598, 3582),

(601, 3591), (609, 3618), (612, 3627),

Gene: Hookmount_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Hookmount_13:

(Start: 74 @8738 has 580 MA's), (112, 8777), (160, 8903), (189, 8987), (211, 9050), (221, 9083), (224, 9101), (244, 9140), (256, 9167), (278, 9218), (385, 9344), (390, 9356), (398, 9371), (399, 9374), (426, 9446), (432, 9473), (434, 9479), (440, 9500), (441, 9506), (448, 9530), (475, 9572), (507, 9677), (545, 9803), (546, 9806), (558, 9857), (559, 9863), (564, 9878), (575, 9908), (613, 10034), (620, 10064), (635, 10094),

Gene: Hoot_16 Start: 9263, Stop: 10726, Start Num: 74

Candidate Starts for Hoot_16:

(Start: 74 @9263 has 580 MA's), (94, 9284), (121, 9323), (152, 9410), (157, 9422), (160, 9428), (265, 9710), (408, 9923), (426, 9974), (432, 10001), (434, 10007), (440, 10028), (564, 10394), (575, 10421), (580, 10430), (593, 10490), (613, 10547), (620, 10577), (633, 10607), (653, 10634),

Gene: Hope4ever_12 Start: 8813, Stop: 10255, Start Num: 109

Candidate Starts for Hope4ever_12:

(64, 8747), (Start: 109 @8813 has 196 MA's), (183, 9011), (265, 9224), (394, 9419), (399, 9431), (432, 9530), (453, 9602), (509, 9725), (521, 9764), (545, 9842), (547, 9848), (558, 9896), (561, 9908), (564, 9917), (592, 10007), (620, 10097), (635, 10130), (644, 10142),

Gene: HortumSL17_14 Start: 9893, Stop: 11380, Start Num: 74

Candidate Starts for HortumSL17_14:

(Start: 74 @9893 has 580 MA's), (121, 9956), (160, 10061), (229, 10271), (248, 10310), (265, 10343), (278, 10376), (394, 10520), (426, 10604), (432, 10631), (434, 10637), (440, 10658), (448, 10688), (455, 10709), (479, 10733), (487, 10748), (558, 11003), (563, 11021), (575, 11051), (576, 11054), (580, 11060), (611, 11171), (613, 11177), (620, 11207), (645, 11252), (651, 11261),

Gene: Houdini22_12 Start: 8582, Stop: 10033, Start Num: 74

Candidate Starts for Houdini22_12:

(Start: 74 @8582 has 580 MA's), (156, 8729), (160, 8741), (217, 8909), (224, 8939), (244, 8978), (253, 8996), (278, 9056), (385, 9185), (394, 9203), (399, 9215), (432, 9314), (434, 9320), (440, 9341), (441, 9347), (475, 9416), (497, 9476), (507, 9521), (545, 9647), (546, 9650), (558, 9701), (564, 9722), (575, 9752), (602, 9842), (613, 9878), (620, 9908), (633, 9938),

Gene: HubbaBubba_24 Start: 10853, Stop: 12430, Start Num: 71

Candidate Starts for HubbaBubba_24:

(Start: 44 @10808 has 6 MA's), (Start: 71 @10853 has 30 MA's), (94, 10886), (224, 11264), (270, 11357), (371, 11492), (397, 11537), (441, 11669), (450, 11699), (486, 11780), (509, 11876), (518, 11906), (522, 11921), (558, 12044), (560, 12053), (575, 12089), (584, 12113), (607, 12197), (609, 12206), (621, 12251),

Gene: HuhtaEnerson15_10 Start: 7939, Stop: 9372, Start Num: 76

Candidate Starts for HuhtaEnerson15_10:

(Start: 76 @7939 has 71 MA's), (168, 8095), (173, 8107), (177, 8122), (179, 8128), (229, 8296), (244, 8323), (278, 8401), (344, 8482), (398, 8554), (399, 8557), (426, 8629), (434, 8662), (440, 8683), (444, 8701), (448, 8713), (479, 8758), (545, 8974), (558, 9028), (563, 9046), (580, 9085), (613, 9202), (620, 9232), (633, 9262), (652, 9286),

Gene: Hum25_3 Start: 2091, Stop: 3464, Start Num: 95

Candidate Starts for Hum25_3:

(95, 2091), (123, 2136), (125, 2142), (160, 2235), (171, 2250), (185, 2304), (188, 2316), (200, 2346), (201, 2349), (226, 2439), (265, 2499), (270, 2511), (320, 2595), (344, 2622), (345, 2625), (361, 2649), (399, 2700), (400, 2703), (420, 2751), (431, 2793), (434, 2802), (436, 2808), (448, 2853), (489, 2922), (514, 3015), (521, 3036), (525, 3051), (535, 3066), (546, 3117), (557, 3165), (573, 3207), (592, 3276), (594, 3285),

Gene: Hurricane_8 Start: 2929, Stop: 4494, Start Num: 47

Candidate Starts for Hurricane_8:

(36, 2896), (Start: 47 @2929 has 130 MA's), (117, 3034), (121, 3043), (126, 3058), (158, 3148), (174, 3181), (178, 3193), (185, 3223), (210, 3292), (215, 3313), (220, 3328), (226, 3355), (265, 3406), (269, 3415), (274, 3430), (292, 3469), (317, 3505), (322, 3520), (326, 3526), (332, 3535), (339, 3550), (399, 3667), (415, 3700), (418, 3706), (426, 3733), (430, 3754), (437, 3775), (482, 3838), (489, 3856), (508, 3934), (512, 3946), (513, 3949), (517, 3964), (536, 4009), (544, 4045), (546, 4051), (557, 4099), (563, 4120), (601, 4237), (609, 4264), (612, 4273), (624, 4309),

Gene: Hutc2_13 Start: 9787, Stop: 11244, Start Num: 74

Candidate Starts for Hutc2_13:

(Start: 74 @9787 has 580 MA's), (116, 9832), (121, 9847), (160, 9952), (265, 10234), (278, 10267), (399, 10423), (426, 10495), (432, 10522), (434, 10528), (440, 10549), (455, 10600), (551, 10864), (558, 10894), (564, 10915), (569, 10930), (575, 10942), (580, 10951), (604, 11038), (613, 11068), (620, 11098), (633, 11128), (679, 11194),

Gene: Hydra_9 Start: 4618, Stop: 6060, Start Num: 102

Candidate Starts for Hydra_9:

(Start: 93 @4609 has 3 MA's), (Start: 96 @4612 has 4 MA's), (Start: 102 @4618 has 236 MA's), (Start: 149 @4735 has 2 MA's), (172, 4783), (298, 5101), (326, 5143), (341, 5170), (369, 5203), (419, 5296), (423, 5308), (448, 5401), (483, 5479), (498, 5524), (511, 5581), (518, 5605), (585, 5818), (681, 6046),

Gene: Hyperbowlee_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Hyperbowlee_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: IAmGroot_3 Start: 2211, Stop: 3590, Start Num: 99

Candidate Starts for IAmGroot_3:

(Start: 99 @2211 has 43 MA's), (Start: 149 @2331 has 2 MA's), (267, 2619), (430, 2892), (527, 3168), (540, 3210), (594, 3393), (598, 3402), (601, 3411),

Gene: ICleared_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for ICleared_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: IDyn_26 Start: 12204, Stop: 13826, Start Num: 44

Candidate Starts for IDyn_26:

(Start: 44 @12204 has 6 MA's), (Start: 71 @12249 has 30 MA's), (94, 12282), (224, 12660), (371, 12888), (397, 12933), (441, 13065), (450, 13095), (509, 13272), (518, 13302), (522, 13317), (558,

13440), (560, 13449), (575, 13485), (584, 13509), (607, 13593), (609, 13602), (621, 13647),

Gene: ILeeKay_14 Start: 8865, Stop: 10307, Start Num: 109

Candidate Starts for ILeeKay_14:

(64, 8799), (Start: 109 @8865 has 196 MA's), (183, 9063), (265, 9276), (394, 9471), (432, 9582), (453, 9654), (509, 9777), (521, 9816), (545, 9894), (547, 9900), (558, 9948), (561, 9960), (564, 9969), (592, 10059), (620, 10149), (635, 10182), (644, 10194),

Gene: IPhane7_15 Start: 6260, Stop: 7882, Start Num: 48

Candidate Starts for IPhane7_15:

(Start: 48 @6260 has 21 MA's), (56, 6275), (124, 6383), (130, 6401), (147, 6449), (162, 6482), (169, 6494), (177, 6518), (183, 6545), (185, 6551), (210, 6623), (211, 6629), (220, 6659), (248, 6740), (253, 6746), (254, 6749), (263, 6767), (385, 6923), (394, 6941), (399, 6953), (420, 7001), (436, 7058), (437, 7061), (465, 7130), (495, 7184), (504, 7220), (518, 7271), (520, 7274), (532, 7304), (536, 7313), (552, 7379), (553, 7382), (557, 7403), (558, 7406), (578, 7457), (601, 7544), (646, 7655), (663, 7685), (681, 7721), (684, 7727), (691, 7742), (697, 7754), (714, 7838),

Gene: IbOuu_3 Start: 2275, Stop: 3609, Start Num: 120

Candidate Starts for IbOuu_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (631, 3559), (642, 3577),

Gene: Ibantik_69 Start: 30801, Stop: 32300, Start Num: 66

Candidate Starts for Ibantik_69:

(Start: 66 @30801 has 7 MA's), (126, 30903), (133, 30924), (183, 31065), (190, 31086), (210, 31146), (250, 31245), (332, 31386), (389, 31434), (404, 31461), (412, 31479), (447, 31593), (507, 31731), (508, 31737), (511, 31746), (513, 31752), (525, 31794), (550, 31878), (558, 31911), (574, 31953), (591, 32010), (620, 32109), (682, 32226),

Gene: Ibhubesi_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Ibhubesi_3:

(Start: 102 @2240 has 236 MA's), (Start: 119 @2273 has 2 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (176, 2420), (177, 2423), (178, 2426), (198, 2495), (201, 2501), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: Iceman_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Iceman_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Ichabod_13 Start: 8717, Stop: 10159, Start Num: 109

Candidate Starts for Ichabod_13:

(64, 8651), (Start: 109 @8717 has 196 MA's), (183, 8915), (265, 9128), (394, 9323), (395, 9326), (399, 9335), (432, 9434), (509, 9629), (521, 9668), (545, 9746), (547, 9752), (558, 9800), (561, 9812), (564, 9821), (580, 9854), (592, 9911), (620, 10001), (635, 10034), (644, 10046),

Gene: Idleandcovert_12 Start: 8193, Stop: 9659, Start Num: 76

Candidate Starts for Idleandcovert_12:

(Start: 76 @8193 has 71 MA's), (160, 8364), (189, 8448), (211, 8511), (221, 8544), (224, 8562), (244, 8601), (256, 8628), (277, 8676), (390, 8817), (395, 8826), (426, 8907), (431, 8931), (432, 8934), (434, 8940), (439, 8958), (440, 8961), (441, 8967), (507, 9138), (545, 9264), (546, 9267), (558, 9318), (559, 9324), (564, 9339), (575, 9369), (613, 9495), (620, 9525), (635, 9555),

Gene: IgnatiusPatJac_11 Start: 8691, Stop: 10133, Start Num: 109

Candidate Starts for IgnatiusPatJac_11:

(64, 8625), (Start: 109 @8691 has 196 MA's), (183, 8889), (265, 9102), (394, 9297), (432, 9408), (453, 9480), (509, 9603), (521, 9642), (545, 9720), (547, 9726), (558, 9774), (561, 9786), (564, 9795), (592, 9885), (620, 9975), (635, 10008), (644, 10020),

Gene: Illumine_9 Start: 3022, Stop: 4590, Start Num: 42

Candidate Starts for Illumine_9:

(26, 2794), (31, 2908), (33, 2935), (Start: 42 @3022 has 24 MA's), (Start: 47 @3037 has 130 MA's), (117, 3139), (121, 3148), (Start: 149 @3229 has 2 MA's), (158, 3253), (177, 3295), (185, 3328), (210, 3397), (215, 3418), (226, 3460), (269, 3523), (274, 3538), (317, 3613), (326, 3634), (342, 3664), (399, 3775), (415, 3808), (426, 3841), (437, 3883), (444, 3913), (482, 3946), (489, 3964), (508, 4042), (512, 4054), (513, 4057), (516, 4069), (517, 4072), (534, 4108), (546, 4156), (563, 4225), (576, 4255), (593, 4321), (601, 4342), (609, 4369), (612, 4378), (624, 4414), (652, 4468),

Gene: Indigo_7 Start: 4081, Stop: 5523, Start Num: 102

Candidate Starts for Indigo_7:

(Start: 93 @4072 has 3 MA's), (Start: 96 @4075 has 4 MA's), (Start: 102 @4081 has 236 MA's), (Start: 149 @4198 has 2 MA's), (172, 4246), (298, 4564), (326, 4606), (341, 4633), (369, 4666), (419, 4759), (423, 4771), (448, 4864), (483, 4942), (498, 4987), (511, 5044), (518, 5068), (585, 5281), (681, 5509),

Gene: Indra_16 Start: 9284, Stop: 10750, Start Num: 74

Candidate Starts for Indra_16:

(Start: 74 @9284 has 580 MA's), (94, 9305), (121, 9344), (152, 9431), (157, 9443), (160, 9449), (265, 9731), (288, 9785), (408, 9944), (426, 9995), (432, 10022), (434, 10028), (440, 10049), (521, 10262), (564, 10415), (569, 10430), (575, 10442), (580, 10451), (594, 10517), (604, 10538), (613, 10568), (620, 10598), (633, 10628),

Gene: Inky_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Inky_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Insomnia_13 Start: 9836, Stop: 11293, Start Num: 74

Candidate Starts for Insomnia_13:

(Start: 74 @9836 has 580 MA's), (116, 9881), (121, 9896), (160, 10001), (265, 10283), (278, 10316), (399, 10472), (426, 10544), (432, 10571), (434, 10577), (440, 10598), (455, 10649), (551, 10913), (558, 10943), (564, 10964), (569, 10979), (575, 10991), (580, 11000), (604, 11087), (613, 11117),

(620, 11147), (633, 11177), (679, 11243),

Gene: Inventum_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Inventum_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's),
(132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533),
(212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860),
(421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980),
(459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229),
(550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: InvictusManeo_7 Start: 2770, Stop: 4308, Start Num: 47

Candidate Starts for InvictusManeo_7:

(Start: 47 @2770 has 130 MA's), (117, 2872), (121, 2881), (136, 2935), (174, 3019), (178, 3031), (185,
3061), (191, 3079), (210, 3130), (220, 3166), (225, 3190), (226, 3193), (267, 3247), (274, 3268), (317,
3343), (326, 3364), (342, 3394), (365, 3439), (394, 3493), (415, 3538), (426, 3571), (435, 3607), (437,
3613), (482, 3676), (489, 3694), (508, 3772), (512, 3784), (513, 3787), (517, 3802), (536, 3847), (537,
3862), (544, 3883), (546, 3889), (557, 3937), (558, 3940), (563, 3958), (568, 3973), (590, 4039), (593,
4054), (601, 4075), (612, 4111), (624, 4147), (674, 4234),

Gene: Iracema64_12 Start: 8555, Stop: 10006, Start Num: 74

Candidate Starts for Iracema64_12:

(Start: 74 @8555 has 580 MA's), (160, 8714), (217, 8882), (224, 8912), (244, 8951), (253, 8969), (278,
9029), (385, 9158), (394, 9176), (432, 9287), (434, 9293), (440, 9314), (441, 9320), (475, 9389), (497,
9449), (507, 9494), (545, 9620), (546, 9623), (558, 9674), (559, 9680), (564, 9695), (575, 9725), (602,
9815), (613, 9851), (620, 9881), (633, 9911),

Gene: IrishSherpFalk_3 Start: 2243, Stop: 3613, Start Num: 102

Candidate Starts for IrishSherpFalk_3:

(Start: 102 @2243 has 236 MA's), (Start: 120 @2279 has 8 MA's), (Start: 128 @2303 has 1 MA's),
(132, 2312), (134, 2318), (135, 2321), (148, 2360), (177, 2426), (178, 2429), (198, 2498), (210, 2537),
(212, 2546), (227, 2594), (265, 2654), (285, 2702), (320, 2747), (380, 2792), (391, 2819), (413, 2864),
(421, 2885), (422, 2888), (423, 2891), (428, 2912), (430, 2921), (444, 2972), (445, 2975), (448, 2984),
(459, 3014), (467, 3035), (493, 3104), (496, 3113), (506, 3164), (507, 3167), (524, 3227), (526, 3233),
(558, 3344), (561, 3356), (576, 3389), (580, 3395), (587, 3419), (642, 3581),

Gene: IronMan_15 Start: 10935, Stop: 12389, Start Num: 74

Candidate Starts for IronMan_15:

(Start: 74 @10935 has 580 MA's), (121, 10995), (160, 11100), (202, 11214), (229, 11310), (265,
11382), (399, 11571), (426, 11643), (432, 11670), (434, 11676), (440, 11697), (455, 11748), (558,
12042), (563, 12060), (575, 12090), (580, 12099), (593, 12159), (604, 12186), (613, 12216), (620,
12246), (633, 12276), (651, 12300),

Gene: Isca_12 Start: 8065, Stop: 9531, Start Num: 76

Candidate Starts for Isca_12:

(Start: 76 @8065 has 71 MA's), (112, 8110), (160, 8236), (189, 8320), (211, 8383), (217, 8404), (221,
8416), (224, 8434), (244, 8473), (256, 8500), (390, 8689), (426, 8779), (431, 8803), (432, 8806), (434,
8812), (440, 8833), (441, 8839), (507, 9010), (545, 9136), (546, 9139), (558, 9190), (559, 9196), (564,
9211), (575, 9241), (613, 9367), (620, 9397), (635, 9427),

Gene: Isiphiwo_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for Isiphiwo_16:

(Start: 74 @9274 has 580 MA's), (94, 9295), (121, 9334), (152, 9421), (157, 9433), (160, 9439), (265, 9721), (408, 9934), (426, 9985), (432, 10012), (434, 10018), (440, 10039), (564, 10405), (575, 10432), (580, 10441), (593, 10501), (613, 10558), (620, 10588), (633, 10618), (653, 10645),

Gene: Isolde_4 Start: 2274, Stop: 3611, Start Num: 108

Candidate Starts for Isolde_4:

(Start: 93 @2262 has 3 MA's), (Start: 108 @2274 has 17 MA's), (132, 2337), (150, 2385), (156, 2397), (206, 2538), (224, 2613), (265, 2679), (311, 2760), (404, 2883), (428, 2955), (430, 2964), (434, 2976), (435, 2979), (441, 3003), (454, 3045), (509, 3171), (548, 3297), (557, 3339), (560, 3351), (620, 3537), (627, 3546), (657, 3597),

Gene: Issmi_8 Start: 4133, Stop: 5614, Start Num: 102

Candidate Starts for Issmi_8:

(Start: 102 @4133 has 236 MA's), (113, 4151), (Start: 149 @4250 has 2 MA's), (172, 4298), (175, 4310), (185, 4349), (210, 4442), (226, 4499), (243, 4526), (303, 4619), (326, 4655), (341, 4682), (419, 4808), (423, 4820), (443, 4895), (448, 4913), (454, 4931), (456, 4937), (462, 4958), (477, 5021), (483, 5033), (498, 5078), (511, 5135), (557, 5294), (563, 5315), (585, 5372), (609, 5462), (612, 5471), (622, 5504), (681, 5600),

Gene: Iter_3 Start: 2280, Stop: 3656, Start Num: 99

Candidate Starts for Iter_3:

(Start: 99 @2280 has 43 MA's), (Start: 149 @2400 has 2 MA's), (185, 2499), (310, 2763), (449, 3036), (515, 3195), (534, 3243), (540, 3273), (548, 3297), (598, 3471), (647, 3591),

Gene: Itos_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Itos_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: IttyBittyPiggy_3 Start: 2272, Stop: 3651, Start Num: 97

Candidate Starts for IttyBittyPiggy_3:

(Start: 97 @2272 has 14 MA's), (Start: 149 @2392 has 2 MA's), (310, 2755), (449, 3028), (534, 3232), (540, 3262), (548, 3286), (598, 3460),

Gene: Itza_7 Start: 4278, Stop: 5753, Start Num: 102

Candidate Starts for Itza_7:

(17, 3741), (24, 3885), (Start: 102 @4278 has 236 MA's), (Start: 115 @4299 has 1 MA's), (Start: 149 @4395 has 2 MA's), (175, 4455), (210, 4587), (215, 4608), (226, 4644), (326, 4806), (353, 4848), (405, 4932), (423, 4971), (436, 5019), (443, 5046), (448, 5064), (456, 5088), (457, 5091), (462, 5109), (469, 5145), (483, 5184), (498, 5229), (511, 5286), (518, 5310), (585, 5523), (609, 5613), (622, 5655),

Gene: Iwokeuplikedis_13 Start: 8972, Stop: 10429, Start Num: 74

Candidate Starts for Iwokeuplikedis_13:

(Start: 74 @8972 has 580 MA's), (121, 9032), (157, 9131), (160, 9137), (229, 9347), (256, 9401), (265, 9419), (278, 9452), (398, 9605), (399, 9608), (426, 9680), (432, 9707), (434, 9713), (440, 9734), (455, 9785), (479, 9809), (521, 9947), (558, 10079), (563, 10097), (575, 10127), (580, 10136), (593, 10196), (613, 10253), (620, 10283), (633, 10313), (651, 10337), (665, 10358),

Gene: Izzy_8 Start: 4288, Stop: 5730, Start Num: 102

Candidate Starts for Izzy_8:

(Start: 93 @4279 has 3 MA's), (Start: 96 @4282 has 4 MA's), (Start: 102 @4288 has 236 MA's), (Start: 149 @4405 has 2 MA's), (172, 4453), (179, 4477), (298, 4771), (326, 4813), (341, 4840), (419, 4966), (423, 4978), (448, 5071), (483, 5149), (498, 5194), (511, 5251), (518, 5275), (585, 5488), (681, 5716),

Gene: JAWS_9 Start: 3020, Stop: 4576, Start Num: 47

Candidate Starts for JAWS_9:

(33, 2918), (Start: 42 @3005 has 24 MA's), (Start: 47 @3020 has 130 MA's), (117, 3119), (121, 3128), (143, 3200), (Start: 149 @3209 has 2 MA's), (158, 3233), (174, 3266), (177, 3275), (185, 3308), (191, 3326), (210, 3377), (215, 3398), (226, 3440), (269, 3506), (274, 3521), (317, 3596), (326, 3617), (357, 3671), (415, 3791), (426, 3824), (430, 3845), (437, 3866), (444, 3896), (482, 3929), (489, 3947), (508, 4025), (512, 4037), (513, 4040), (516, 4052), (517, 4055), (534, 4091), (546, 4139), (558, 4190), (563, 4208), (593, 4304), (601, 4325), (609, 4352), (612, 4361), (624, 4397),

Gene: JC27_14 Start: 9317, Stop: 10759, Start Num: 109

Candidate Starts for JC27_14:

(64, 9251), (Start: 109 @9317 has 196 MA's), (183, 9515), (265, 9728), (394, 9923), (432, 10034), (453, 10106), (509, 10229), (521, 10268), (545, 10346), (547, 10352), (558, 10400), (561, 10412), (564, 10421), (592, 10511), (620, 10601), (635, 10634), (644, 10646),

Gene: JF1_10 Start: 3907, Stop: 5508, Start Num: 42

Candidate Starts for JF1_10:

(Start: 42 @3907 has 24 MA's), (Start: 45 @3922 has 26 MA's), (56, 3946), (104, 4012), (124, 4057), (Start: 149 @4129 has 2 MA's), (174, 4186), (177, 4195), (178, 4198), (185, 4228), (210, 4297), (215, 4318), (220, 4333), (224, 4354), (226, 4360), (253, 4384), (269, 4420), (274, 4435), (292, 4474), (370, 4609), (376, 4618), (385, 4636), (398, 4663), (399, 4666), (415, 4699), (426, 4732), (430, 4753), (437, 4774), (482, 4837), (490, 4861), (498, 4885), (508, 4933), (512, 4945), (515, 4957), (517, 4963), (532, 5002), (561, 5116), (563, 5122), (601, 5293), (609, 5320), (612, 5329), (635, 5392), (642, 5404),

Gene: JF2_12 Start: 7830, Stop: 9296, Start Num: 76

Candidate Starts for JF2_12:

(Start: 76 @7830 has 71 MA's), (112, 7875), (160, 8001), (189, 8085), (211, 8148), (221, 8181), (224, 8199), (244, 8238), (256, 8265), (390, 8454), (426, 8544), (431, 8568), (432, 8571), (434, 8577), (440, 8598), (441, 8604), (507, 8775), (545, 8901), (546, 8904), (558, 8955), (559, 8961), (564, 8976), (575, 9006), (613, 9132), (620, 9162), (635, 9192),

Gene: JF4_12 Start: 7830, Stop: 9296, Start Num: 76

Candidate Starts for JF4_12:

(Start: 76 @7830 has 71 MA's), (112, 7875), (160, 8001), (189, 8085), (211, 8148), (221, 8181), (224, 8199), (244, 8238), (256, 8265), (390, 8454), (426, 8544), (431, 8568), (432, 8571), (434, 8577), (440, 8598), (441, 8604), (507, 8775), (545, 8901), (546, 8904), (558, 8955), (559, 8961), (564, 8976), (575, 9006), (613, 9132), (620, 9162), (635, 9192),

Gene: JHC117_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for JHC117_14:

(Start: 74 @8652 has 580 MA's), (Start: 110 @8682 has 2 MA's), (121, 8709), (160, 8814), (202, 8928), (221, 8994), (244, 9051), (278, 9129), (279, 9132), (394, 9273), (432, 9384), (434, 9390), (440, 9411), (507, 9576), (545, 9702), (558, 9756), (559, 9762), (564, 9777), (580, 9813), (604, 9900), (613, 9930), (620, 9960), (645, 10005), (652, 10014),

Gene: JSwag_15 Start: 8373, Stop: 9833, Start Num: 74

Candidate Starts for JSwag_15:

(Start: 74 @8373 has 580 MA's), (121, 8433), (160, 8538), (248, 8787), (265, 8820), (278, 8853), (426, 9084), (432, 9111), (434, 9117), (440, 9138), (445, 9159), (455, 9189), (479, 9213), (507, 9303), (515, 9333), (545, 9429), (552, 9456), (558, 9483), (563, 9501), (564, 9504), (575, 9537), (580, 9546), (613, 9663), (620, 9693), (651, 9747),

Gene: Jaan_16 Start: 11325, Stop: 12779, Start Num: 74

Candidate Starts for Jaan_16:

(Start: 74 @11325 has 580 MA's), (121, 11385), (160, 11490), (202, 11604), (229, 11700), (265, 11772), (426, 12033), (432, 12060), (434, 12066), (440, 12087), (455, 12138), (558, 12432), (563, 12450), (575, 12480), (580, 12489), (593, 12549), (604, 12576), (613, 12606), (620, 12636), (633, 12666), (651, 12690),

Gene: Jabiru_10 Start: 7815, Stop: 9248, Start Num: 76

Candidate Starts for Jabiru_10:

(Start: 76 @7815 has 71 MA's), (152, 7944), (173, 7983), (177, 7998), (179, 8004), (202, 8076), (229, 8172), (244, 8199), (344, 8358), (395, 8424), (398, 8430), (399, 8433), (426, 8505), (434, 8538), (440, 8559), (448, 8589), (545, 8850), (558, 8904), (563, 8922), (580, 8961), (613, 9078), (620, 9108), (633, 9138), (645, 9153), (652, 9162),

Gene: Jabith_13 Start: 9836, Stop: 11293, Start Num: 74

Candidate Starts for Jabith_13:

(Start: 74 @9836 has 580 MA's), (116, 9881), (121, 9896), (160, 10001), (265, 10283), (278, 10316), (399, 10472), (426, 10544), (432, 10571), (434, 10577), (440, 10598), (455, 10649), (551, 10913), (558, 10943), (564, 10964), (569, 10979), (575, 10991), (580, 11000), (604, 11087), (613, 11117), (620, 11147), (633, 11177), (679, 11243),

Gene: JackSparrow_13 Start: 8973, Stop: 10415, Start Num: 109

Candidate Starts for JackSparrow_13:

(64, 8907), (Start: 109 @8973 has 196 MA's), (183, 9171), (265, 9384), (394, 9579), (399, 9591), (432, 9690), (509, 9885), (521, 9924), (545, 10002), (547, 10008), (558, 10056), (561, 10068), (564, 10077), (592, 10167), (620, 10257), (635, 10290), (644, 10302),

Gene: JalFarm20_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for JalFarm20_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: James_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for James_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (142, 2348), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: Janeemi_4 Start: 3363, Stop: 4736, Start Num: 99

Candidate Starts for Janeemi_4:

(Start: 99 @3363 has 43 MA's), (Start: 149 @3483 has 2 MA's), (185, 3582), (310, 3846), (449, 4119), (515, 4275), (534, 4323), (540, 4353), (548, 4377), (598, 4551), (601, 4560), (647, 4671),

Gene: Janus_8 Start: 4204, Stop: 5691, Start Num: 102

Candidate Starts for Janus_8:

(Start: 102 @4204 has 236 MA's), (Start: 149 @4321 has 2 MA's), (185, 4420), (195, 4474), (210, 4513), (326, 4726), (423, 4894), (443, 4969), (445, 4978), (448, 4987), (452, 4999), (454, 5005), (498, 5152), (509, 5203), (511, 5209), (585, 5446), (612, 5545), (622, 5578), (681, 5677),

Gene: Jacob_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for Jacob_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: Jarvi_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Jarvi_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Jash_8 Start: 4241, Stop: 5683, Start Num: 102

Candidate Starts for Jash_8:

(Start: 93 @4232 has 3 MA's), (Start: 96 @4235 has 4 MA's), (Start: 102 @4241 has 236 MA's), (Start: 149 @4358 has 2 MA's), (172, 4406), (179, 4430), (298, 4724), (326, 4766), (341, 4793), (419, 4919), (423, 4931), (448, 5024), (483, 5102), (498, 5147), (511, 5204), (518, 5228), (585, 5441), (681, 5669),

Gene: JasmineDragon_3 Start: 2299, Stop: 3663, Start Num: 97

Candidate Starts for JasmineDragon_3:

(Start: 97 @2299 has 14 MA's), (143, 2413), (Start: 149 @2422 has 2 MA's), (185, 2521), (423, 2962), (424, 2965), (507, 3184), (534, 3262), (594, 3481), (598, 3490),

Gene: Jasper_13 Start: 8528, Stop: 9970, Start Num: 109

Candidate Starts for Jasper_13:

(64, 8462), (Start: 109 @8528 has 196 MA's), (183, 8726), (265, 8939), (394, 9134), (399, 9146), (432, 9245), (453, 9317), (509, 9440), (521, 9479), (545, 9557), (547, 9563), (557, 9608), (558, 9611), (561, 9623), (564, 9632), (592, 9722), (620, 9812), (635, 9845), (644, 9857),

Gene: Jayhawk_9 Start: 3020, Stop: 4579, Start Num: 47

Candidate Starts for Jayhawk_9:

(33, 2918), (Start: 42 @3005 has 24 MA's), (Start: 47 @3020 has 130 MA's), (117, 3122), (121, 3131), (143, 3203), (Start: 149 @3212 has 2 MA's), (158, 3236), (174, 3269), (177, 3278), (185, 3311), (191, 3329), (210, 3380), (215, 3401), (226, 3443), (269, 3509), (274, 3524), (317, 3599), (326, 3620), (357, 3674), (415, 3794), (426, 3827), (430, 3848), (437, 3869), (444, 3899), (482, 3932), (489, 3950), (508, 4028), (512, 4040), (513, 4043), (516, 4055), (517, 4058), (534, 4094), (546, 4142), (558, 4193), (563, 4211), (593, 4307), (601, 4328), (609, 4355), (612, 4364), (624, 4400),

Gene: Jaykayelowell_12 Start: 8577, Stop: 10028, Start Num: 74

Candidate Starts for Jaykayelowell_12:

(Start: 74 @8577 has 580 MA's), (156, 8724), (160, 8736), (217, 8904), (224, 8934), (244, 8973), (253, 8991), (278, 9051), (385, 9180), (394, 9198), (432, 9309), (434, 9315), (440, 9336), (441, 9342), (475, 9411), (497, 9471), (507, 9516), (545, 9642), (546, 9645), (558, 9696), (559, 9702), (564, 9717), (575, 9747), (602, 9837), (613, 9873), (615, 9885), (620, 9903), (633, 9933),

Gene: Jeckyll_9 Start: 3055, Stop: 4623, Start Num: 42

Candidate Starts for Jeckyll_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Jeeves_12 Start: 8315, Stop: 9775, Start Num: 74

Candidate Starts for Jeeves_12:

(Start: 74 @8315 has 580 MA's), (89, 8327), (121, 8375), (160, 8480), (169, 8492), (185, 8549), (265, 8762), (395, 8942), (426, 9023), (432, 9050), (434, 9056), (439, 9074), (440, 9077), (445, 9098), (455, 9128), (477, 9149), (487, 9167), (504, 9230), (558, 9422), (564, 9443), (569, 9458), (575, 9470), (580, 9479), (593, 9539), (613, 9596), (620, 9626), (633, 9656), (651, 9680),

Gene: Jeffabunny_16 Start: 9287, Stop: 10750, Start Num: 74

Candidate Starts for Jeffabunny_16:

(Start: 74 @9287 has 580 MA's), (94, 9308), (121, 9347), (152, 9434), (157, 9446), (160, 9452), (265, 9734), (408, 9947), (426, 9998), (432, 10025), (434, 10031), (440, 10052), (564, 10418), (575, 10445), (580, 10454), (593, 10514), (613, 10571), (620, 10601), (633, 10631), (653, 10658),

Gene: JenCasNa_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for JenCasNa_14:

(Start: 74 @8652 has 580 MA's), (Start: 110 @8682 has 2 MA's), (121, 8709), (160, 8814), (202, 8928), (221, 8994), (244, 9051), (278, 9129), (279, 9132), (394, 9273), (432, 9384), (434, 9390), (440, 9411), (507, 9576), (545, 9702), (558, 9756), (559, 9762), (564, 9777), (580, 9813), (604, 9900), (613, 9930), (620, 9960), (645, 10005), (652, 10014),

Gene: JeppNRM_15 Start: 8724, Stop: 10178, Start Num: 74

Candidate Starts for JeppNRM_15:

(Start: 74 @8724 has 580 MA's), (Start: 110 @8754 has 2 MA's), (121, 8781), (160, 8886), (202, 9000), (221, 9066), (244, 9123), (278, 9201), (279, 9204), (394, 9345), (432, 9456), (434, 9462), (440, 9483), (507, 9648), (545, 9774), (558, 9828), (559, 9834), (564, 9849), (580, 9885), (604, 9972), (613, 10002), (620, 10032), (645, 10077), (652, 10086),

Gene: Jerm_15 Start: 9635, Stop: 11095, Start Num: 74

Candidate Starts for Jerm_15:

(Start: 74 @9635 has 580 MA's), (121, 9695), (160, 9800), (224, 9998), (265, 10082), (278, 10115), (394, 10259), (426, 10343), (432, 10370), (434, 10376), (440, 10397), (441, 10403), (455, 10448), (558, 10742), (563, 10760), (564, 10763), (575, 10790), (580, 10799), (613, 10916), (620, 10946), (633, 10976), (651, 11000),

Gene: Jerm2_13 Start: 8906, Stop: 10348, Start Num: 109

Candidate Starts for Jerm2_13:

(64, 8840), (Start: 109 @8906 has 196 MA's), (183, 9104), (265, 9317), (394, 9512), (395, 9515), (432, 9623), (453, 9695), (509, 9818), (521, 9857), (545, 9935), (547, 9941), (558, 9989), (561, 10001), (564, 10010), (592, 10100), (620, 10190), (635, 10223), (644, 10235),

Gene: Jester_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Jester_9:

(38, 4754), (Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (241, 5222), (248, 5237), (256, 5252), (344, 5381), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: JetBlade_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for JetBlade_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Jevington_10 Start: 4426, Stop: 5907, Start Num: 102

Candidate Starts for Jevington_10:

(Start: 102 @4426 has 236 MA's), (Start: 149 @4543 has 2 MA's), (172, 4591), (175, 4603), (185, 4642), (215, 4756), (298, 4906), (326, 4948), (341, 4975), (420, 5104), (423, 5113), (434, 5155), (443, 5188), (448, 5206), (454, 5224), (457, 5233), (477, 5314), (491, 5350), (498, 5371), (509, 5422), (511, 5428), (563, 5608), (585, 5665), (609, 5755), (612, 5764), (681, 5893),

Gene: JewelBug_16 Start: 9285, Stop: 10748, Start Num: 74

Candidate Starts for JewelBug_16:

(Start: 74 @9285 has 580 MA's), (94, 9306), (121, 9345), (152, 9432), (157, 9444), (160, 9450), (265, 9732), (408, 9945), (426, 9996), (432, 10023), (434, 10029), (440, 10050), (564, 10416), (575, 10443), (580, 10452), (593, 10512), (613, 10569), (620, 10599), (633, 10629), (653, 10656),

Gene: Jifall16_24 Start: 14552, Stop: 16141, Start Num: 71

Candidate Starts for Jifall16_24:

(Start: 71 @14552 has 30 MA's), (Start: 74 @14558 has 580 MA's), (87, 14573), (91, 14582), (121, 14636), (185, 14828), (210, 14906), (216, 14930), (223, 14960), (348, 15164), (371, 15191), (388, 15218), (422, 15308), (441, 15380), (445, 15395), (450, 15410), (486, 15491), (522, 15632), (553, 15731), (555, 15746), (558, 15755), (560, 15764), (575, 15800), (584, 15824), (607, 15908), (609, 15917), (621, 15962),

Gene: Jinglebell_3 Start: 2282, Stop: 3607, Start Num: 119

Candidate Starts for Jinglebell_3:

(Start: 102 @2249 has 236 MA's), (Start: 119 @2282 has 2 MA's), (Start: 128 @2309 has 1 MA's), (132, 2318), (134, 2324), (135, 2327), (148, 2366), (177, 2432), (178, 2435), (198, 2504), (201, 2510), (210, 2543), (212, 2552), (227, 2600), (265, 2660), (285, 2708), (320, 2753), (380, 2798), (391, 2825), (413, 2870), (421, 2891), (422, 2894), (423, 2897), (428, 2918), (430, 2927), (444, 2978), (445, 2981), (448, 2990), (459, 3020), (467, 3041), (493, 3110), (496, 3119), (506, 3170), (507, 3173), (522, 3227), (524, 3233), (526, 3239), (550, 3317), (558, 3350), (561, 3362), (576, 3395), (580, 3401), (587, 3425), (631, 3569),

Gene: Job42_4 Start: 2198, Stop: 3619, Start Num: 101

Candidate Starts for Job42_4:

(Start: 101 @2198 has 52 MA's), (116, 2225), (121, 2237), (172, 2366), (177, 2384), (185, 2417), (210, 2486), (220, 2522), (224, 2543), (226, 2549), (253, 2573), (254, 2576), (285, 2651), (289, 2657), (308,

2684), (319, 2702), (339, 2744), (367, 2795), (378, 2813), (394, 2846), (398, 2855), (399, 2858), (420, 2906), (423, 2915), (430, 2945), (436, 2963), (444, 2996), (490, 3053), (512, 3137), (517, 3155), (525, 3182), (532, 3194), (534, 3197), (536, 3203), (537, 3218), (548, 3251), (582, 3356), (601, 3431), (603, 3437), (606, 3446), (608, 3455), (612, 3467), (638, 3530), (666, 3578),

Gene: Jobu08_14 Start: 8723, Stop: 10177, Start Num: 74

Candidate Starts for Jobu08_14:

(Start: 74 @8723 has 580 MA's), (Start: 110 @8753 has 2 MA's), (121, 8780), (160, 8885), (202, 8999), (221, 9065), (244, 9122), (278, 9200), (279, 9203), (394, 9344), (432, 9455), (434, 9461), (440, 9482), (507, 9647), (545, 9773), (558, 9827), (559, 9833), (564, 9848), (580, 9884), (604, 9971), (613, 10001), (620, 10031), (645, 10076), (652, 10085),

Gene: Jobypre_6 Start: 2756, Stop: 4399, Start Num: 74

Candidate Starts for Jobypre_6:

(Start: 74 @2756 has 580 MA's), (118, 2816), (178, 2966), (185, 2996), (210, 3068), (228, 3134), (257, 3182), (318, 3275), (341, 3314), (406, 3404), (411, 3413), (418, 3428), (492, 3617), (502, 3650), (510, 3689), (522, 3731), (582, 3914), (591, 3956), (598, 3983), (601, 3992), (617, 4052), (633, 4082), (638, 4091), (681, 4166), (697, 4199),

Gene: JoeDirt_5 Start: 2626, Stop: 4299, Start Num: 74

Candidate Starts for JoeDirt_5:

(Start: 74 @2626 has 580 MA's), (121, 2689), (137, 2743), (147, 2767), (178, 2836), (183, 2860), (210, 2938), (220, 2974), (265, 3067), (267, 3070), (318, 3145), (341, 3184), (394, 3247), (406, 3274), (407, 3277), (418, 3298), (424, 3319), (435, 3361), (436, 3364), (485, 3466), (490, 3481), (492, 3487), (513, 3568), (521, 3595), (522, 3601), (551, 3694), (557, 3721), (559, 3730), (582, 3784), (586, 3805), (591, 3826), (598, 3853), (601, 3862), (617, 3922), (633, 3952), (638, 3961), (697, 4069), (718, 4264),

Gene: Joemato_3 Start: 2269, Stop: 3645, Start Num: 99

Candidate Starts for Joemato_3:

(Start: 99 @2269 has 43 MA's), (Start: 149 @2389 has 2 MA's), (185, 2488), (198, 2527), (310, 2752), (383, 2845), (449, 3025), (518, 3193), (534, 3232), (540, 3262), (548, 3286), (598, 3460), (601, 3469), (647, 3580),

Gene: JoeyJr_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for JoeyJr_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: JohnDoe_3 Start: 2268, Stop: 3644, Start Num: 99

Candidate Starts for JohnDoe_3:

(Start: 99 @2268 has 43 MA's), (Start: 149 @2388 has 2 MA's), (185, 2487), (198, 2526), (310, 2751), (324, 2766), (383, 2844), (449, 3024), (518, 3192), (534, 3231), (540, 3261), (548, 3285), (598, 3459), (601, 3468), (647, 3579),

Gene: JonJames_31 Start: 14631, Stop: 16202, Start Num: 62

Candidate Starts for JonJames_31:

(35, 14547), (Start: 62 @14631 has 16 MA's), (Start: 97 @14682 has 14 MA's), (104, 14691), (148, 14808), (164, 14841), (181, 14889), (182, 14892), (185, 14907), (187, 14916), (209, 14976), (213, 14997), (230, 15054), (265, 15120), (268, 15126), (276, 15150), (294, 15183), (344, 15237), (345,

15240), (410, 15360), (427, 15414), (428, 15420), (445, 15483), (468, 15555), (474, 15591), (518, 15750), (524, 15771), (539, 15816), (545, 15834), (559, 15894), (563, 15906), (564, 15909), (623, 16089), (631, 16104), (640, 16119),

Gene: JoongJeon_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for JoongJeon_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Jordennis_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for Jordennis_16:

(Start: 74 @9274 has 580 MA's), (94, 9295), (121, 9334), (152, 9421), (157, 9433), (160, 9439), (265, 9721), (408, 9934), (426, 9985), (432, 10012), (434, 10018), (440, 10039), (564, 10405), (575, 10432), (580, 10441), (593, 10501), (613, 10558), (620, 10588), (633, 10618), (653, 10645),

Gene: Jorgensen_12 Start: 8489, Stop: 9931, Start Num: 109

Candidate Starts for Jorgensen_12:

(64, 8423), (Start: 109 @8489 has 196 MA's), (183, 8687), (265, 8900), (394, 9095), (399, 9107), (432, 9206), (509, 9401), (521, 9440), (545, 9518), (547, 9524), (558, 9572), (561, 9584), (564, 9593), (592, 9683), (620, 9773), (635, 9806), (644, 9818),

Gene: Joselito_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Joselito_13:

(Start: 74 @9784 has 580 MA's), (116, 9829), (121, 9844), (160, 9949), (265, 10231), (278, 10264), (399, 10420), (426, 10492), (432, 10519), (434, 10525), (440, 10546), (455, 10597), (551, 10861), (558, 10891), (564, 10912), (569, 10927), (575, 10939), (580, 10948), (604, 11035), (613, 11065), (620, 11095), (633, 11125), (679, 11191),

Gene: JoshKayV_15 Start: 9626, Stop: 11101, Start Num: 74

Candidate Starts for JoshKayV_15:

(Start: 74 @9626 has 580 MA's), (121, 9686), (160, 9791), (224, 9989), (265, 10073), (278, 10106), (374, 10217), (426, 10334), (432, 10361), (434, 10367), (440, 10388), (441, 10394), (455, 10439), (558, 10733), (563, 10751), (564, 10754), (575, 10781), (580, 10790), (613, 10907), (620, 10937), (633, 10967), (702, 11078),

Gene: Journey13_11 Start: 8338, Stop: 9777, Start Num: 74

Candidate Starts for Journey13_11:

(Start: 74 @8338 has 580 MA's), (94, 8359), (121, 8398), (156, 8491), (160, 8503), (248, 8752), (265, 8785), (399, 8977), (426, 9049), (432, 9076), (434, 9082), (440, 9103), (479, 9178), (558, 9448), (564, 9469), (575, 9496), (580, 9505), (613, 9622), (620, 9652), (633, 9682), (651, 9706),

Gene: Jovo_10 Start: 8048, Stop: 9481, Start Num: 76

Candidate Starts for Jovo_10:

(Start: 76 @8048 has 71 MA's), (173, 8216), (177, 8231), (179, 8237), (229, 8405), (244, 8432), (278, 8510), (344, 8591), (398, 8663), (399, 8666), (426, 8738), (434, 8771), (440, 8792), (448, 8822), (479, 8867), (545, 9083), (558, 9137), (563, 9155), (580, 9194), (613, 9311), (620, 9341), (633, 9371), (652, 9395),

Gene: Joy99_9 Start: 2999, Stop: 4555, Start Num: 47

Candidate Starts for Joy99_9:

(33, 2897), (Start: 42 @2984 has 24 MA's), (Start: 47 @2999 has 130 MA's), (117, 3098), (121, 3107), (143, 3179), (Start: 149 @3188 has 2 MA's), (158, 3212), (174, 3245), (177, 3254), (185, 3287), (210, 3356), (215, 3377), (226, 3419), (269, 3485), (274, 3500), (317, 3575), (326, 3596), (357, 3650), (415, 3770), (426, 3803), (430, 3824), (437, 3845), (444, 3875), (482, 3908), (489, 3926), (504, 3986), (508, 4004), (512, 4016), (513, 4019), (516, 4031), (517, 4034), (534, 4070), (546, 4118), (558, 4169), (563, 4187), (593, 4283), (601, 4304), (609, 4331), (612, 4340), (624, 4376), (652, 4430),

Gene: Jsquared_12 Start: 8109, Stop: 9566, Start Num: 74

Candidate Starts for Jsquared_12:

(Start: 74 @8109 has 580 MA's), (94, 8130), (121, 8169), (160, 8274), (265, 8556), (278, 8589), (330, 8661), (399, 8745), (426, 8817), (432, 8844), (434, 8850), (440, 8871), (521, 9084), (552, 9189), (558, 9216), (564, 9237), (575, 9264), (580, 9273), (613, 9390), (620, 9420), (633, 9450), (651, 9474),

Gene: Jstan_3 Start: 2266, Stop: 3642, Start Num: 99

Candidate Starts for Jstan_3:

(Start: 99 @2266 has 43 MA's), (Start: 149 @2386 has 2 MA's), (185, 2485), (310, 2749), (449, 3022), (515, 3181), (534, 3229), (540, 3259), (548, 3283), (598, 3457), (647, 3577),

Gene: Jubie_6 Start: 2756, Stop: 4399, Start Num: 74

Candidate Starts for Jubie_6:

(Start: 74 @2756 has 580 MA's), (118, 2816), (178, 2966), (185, 2996), (210, 3068), (228, 3134), (257, 3182), (318, 3275), (341, 3314), (406, 3404), (411, 3413), (418, 3428), (492, 3617), (502, 3650), (510, 3689), (522, 3731), (582, 3914), (591, 3956), (598, 3983), (601, 3992), (617, 4052), (633, 4082), (638, 4091), (681, 4166), (697, 4199),

Gene: Judy_3 Start: 2383, Stop: 3744, Start Num: 98

Candidate Starts for Judy_3:

(Start: 98 @2383 has 18 MA's), (170, 2551), (175, 2569), (184, 2605), (202, 2653), (246, 2779), (281, 2860), (301, 2890), (356, 2965), (399, 3034), (431, 3124), (436, 3139), (513, 3331), (535, 3385), (565, 3505), (594, 3595), (636, 3709),

Gene: Juice456_4 Start: 2200, Stop: 3621, Start Num: 101

Candidate Starts for Juice456_4:

(Start: 101 @2200 has 52 MA's), (116, 2227), (121, 2239), (172, 2368), (177, 2386), (185, 2419), (210, 2488), (220, 2524), (224, 2545), (226, 2551), (253, 2575), (254, 2578), (285, 2653), (289, 2659), (308, 2686), (339, 2746), (394, 2848), (399, 2860), (404, 2869), (418, 2899), (420, 2908), (430, 2947), (436, 2965), (437, 2968), (444, 2998), (490, 3055), (502, 3094), (512, 3139), (517, 3157), (525, 3184), (532, 3196), (534, 3199), (536, 3205), (537, 3220), (548, 3253), (582, 3358), (601, 3433), (603, 3439), (606, 3448), (608, 3457), (612, 3469), (638, 3532), (666, 3580),

Gene: Juicebox_4 Start: 2953, Stop: 4350, Start Num: 83

Candidate Starts for Juicebox_4:

(Start: 83 @2953 has 5 MA's), (129, 3043), (141, 3079), (145, 3085), (169, 3130), (178, 3157), (210, 3253), (265, 3370), (319, 3475), (376, 3571), (390, 3601), (399, 3619), (407, 3637), (408, 3640), (449, 3775), (481, 3799), (521, 3934), (525, 3949), (601, 4204),

Gene: JuliaChild_14 Start: 9164, Stop: 10606, Start Num: 109

Candidate Starts for JuliaChild_14:

(64, 9098), (Start: 109 @9164 has 196 MA's), (183, 9362), (265, 9575), (394, 9770), (399, 9782), (432, 9881), (453, 9953), (509, 10076), (521, 10115), (545, 10193), (547, 10199), (558, 10247), (561, 10259), (564, 10268), (592, 10358), (620, 10448), (635, 10481), (644, 10493),

Gene: Juliette_10 Start: 3927, Stop: 5507, Start Num: 45

Candidate Starts for Juliette_10:

(Start: 42 @3912 has 24 MA's), (Start: 45 @3927 has 26 MA's), (56, 3951), (104, 4014), (143, 4122), (Start: 149 @4131 has 2 MA's), (174, 4188), (177, 4197), (178, 4200), (185, 4230), (210, 4299), (215, 4320), (224, 4356), (226, 4362), (253, 4386), (274, 4437), (292, 4476), (326, 4533), (370, 4611), (372, 4614), (376, 4620), (385, 4638), (398, 4665), (399, 4668), (415, 4701), (426, 4734), (430, 4755), (437, 4776), (482, 4839), (490, 4863), (498, 4887), (508, 4935), (512, 4947), (517, 4965), (532, 5004), (537, 5028), (559, 5112), (561, 5118), (563, 5124), (572, 5193), (582, 5217), (601, 5292), (609, 5319), (612, 5328), (624, 5364), (635, 5391), (642, 5403),

Gene: JuneStar_3 Start: 2262, Stop: 3800, Start Num: 97

Candidate Starts for JuneStar_3:

(Start: 97 @2262 has 14 MA's), (Start: 149 @2382 has 2 MA's), (185, 2481), (310, 2745), (449, 3018), (518, 3186), (534, 3225), (540, 3255), (548, 3279), (598, 3453), (612, 3498), (641, 3564), (683, 3642), (693, 3663), (707, 3714),

Gene: Juniper1_3 Start: 2275, Stop: 3597, Start Num: 120

Candidate Starts for Juniper1_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (176, 2419), (177, 2422), (178, 2425), (198, 2494), (201, 2500), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (558, 3340), (561, 3352), (576, 3385), (580, 3391), (587, 3415), (631, 3559),

Gene: KADY_15 Start: 8738, Stop: 10192, Start Num: 74

Candidate Starts for KADY_15:

(Start: 74 @8738 has 580 MA's), (Start: 110 @8768 has 2 MA's), (121, 8795), (160, 8900), (202, 9014), (221, 9080), (244, 9137), (278, 9215), (279, 9218), (394, 9359), (432, 9470), (434, 9476), (440, 9497), (507, 9662), (545, 9788), (558, 9842), (559, 9848), (564, 9863), (580, 9899), (604, 9986), (613, 10016), (620, 10046), (645, 10091), (652, 10100),

Gene: KBG_13 Start: 9597, Stop: 11039, Start Num: 109

Candidate Starts for KBG_13:

(64, 9531), (Start: 109 @9597 has 196 MA's), (183, 9795), (265, 10008), (394, 10203), (432, 10314), (509, 10509), (521, 10548), (545, 10626), (547, 10632), (558, 10680), (561, 10692), (564, 10701), (592, 10791), (620, 10881), (635, 10914), (644, 10926),

Gene: KFPoly_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for KFPoly_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: KSSJEB_12 Start: 8502, Stop: 9944, Start Num: 109

Candidate Starts for KSSJEB_12:

(64, 8436), (Start: 109 @8502 has 196 MA's), (183, 8700), (265, 8913), (394, 9108), (395, 9111), (399, 9120), (432, 9219), (509, 9414), (521, 9453), (545, 9531), (547, 9537), (558, 9585), (561, 9597), (564, 9606), (580, 9639), (592, 9696), (620, 9786), (635, 9819), (644, 9831),

Gene: Kabluna_28 Start: 13690, Stop: 15267, Start Num: 71

Candidate Starts for Kabluna_28:

(Start: 71 @13690 has 30 MA's), (Start: 74 @13696 has 580 MA's), (87, 13711), (89, 13714), (185, 13966), (210, 14044), (216, 14068), (314, 14269), (348, 14302), (371, 14329), (403, 14389), (446, 14524), (450, 14536), (486, 14617), (509, 14713), (522, 14758), (553, 14857), (558, 14881), (560, 14890), (584, 14950), (599, 15010), (603, 15022), (607, 15034), (609, 15043), (619, 15082),

Gene: Kahlid_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Kahlid_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: Kalb97_15 Start: 8724, Stop: 10178, Start Num: 74

Candidate Starts for Kalb97_15:

(Start: 74 @8724 has 580 MA's), (Start: 110 @8754 has 2 MA's), (121, 8781), (160, 8886), (202, 9000), (221, 9066), (244, 9123), (278, 9201), (279, 9204), (394, 9345), (432, 9456), (434, 9462), (440, 9483), (507, 9648), (545, 9774), (558, 9828), (559, 9834), (564, 9849), (580, 9885), (604, 9972), (613, 10002), (620, 10032), (645, 10077), (652, 10086),

Gene: Kalnoky_15 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Kalnoky_15:

(Start: 74 @8726 has 580 MA's), (Start: 110 @8756 has 2 MA's), (121, 8783), (160, 8888), (202, 9002), (221, 9068), (244, 9125), (278, 9203), (279, 9206), (394, 9347), (432, 9458), (434, 9464), (440, 9485), (487, 9575), (507, 9650), (545, 9776), (558, 9830), (559, 9836), (564, 9851), (580, 9887), (604, 9974), (613, 10004), (620, 10034), (645, 10079), (652, 10088),

Gene: Kalpine_16 Start: 10999, Stop: 12459, Start Num: 74

Candidate Starts for Kalpine_16:

(Start: 74 @10999 has 580 MA's), (121, 11059), (160, 11164), (265, 11446), (278, 11479), (395, 11626), (399, 11635), (426, 11707), (432, 11734), (434, 11740), (440, 11761), (455, 11812), (558, 12106), (563, 12124), (564, 12127), (569, 12142), (575, 12154), (580, 12163), (613, 12280), (620, 12310), (633, 12340), (651, 12364),

Gene: Kampy_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for Kampy_12:

(Start: 74 @8579 has 580 MA's), (156, 8726), (160, 8738), (217, 8906), (224, 8936), (244, 8975), (253, 8993), (278, 9053), (385, 9182), (394, 9200), (399, 9212), (432, 9311), (434, 9317), (440, 9338), (441, 9344), (475, 9413), (497, 9473), (507, 9518), (545, 9644), (546, 9647), (558, 9698), (564, 9719), (575, 9749), (602, 9839), (613, 9875), (615, 9887), (620, 9905), (633, 9935),

Gene: Kanely_13 Start: 9274, Stop: 10716, Start Num: 109

Candidate Starts for Kanely_13:

(64, 9208), (Start: 109 @9274 has 196 MA's), (183, 9472), (265, 9685), (394, 9880), (395, 9883), (432, 9991), (453, 10063), (509, 10186), (521, 10225), (545, 10303), (547, 10309), (558, 10357), (561, 10369), (564, 10378), (592, 10468), (620, 10558), (635, 10591), (644, 10603),

Gene: Karhdo_3 Start: 2256, Stop: 3614, Start Num: 102

Candidate Starts for Karhdo_3:

(Start: 102 @2256 has 236 MA's), (Start: 120 @2292 has 8 MA's), (Start: 128 @2316 has 1 MA's), (132, 2325), (134, 2331), (135, 2334), (148, 2373), (177, 2439), (178, 2442), (198, 2511), (210, 2550), (212, 2559), (227, 2607), (265, 2667), (285, 2715), (320, 2760), (380, 2805), (391, 2832), (413, 2877),

(421, 2898), (422, 2901), (423, 2904), (428, 2925), (430, 2934), (444, 2985), (445, 2988), (448, 2997), (459, 3027), (467, 3048), (493, 3117), (496, 3126), (506, 3177), (507, 3180), (522, 3234), (524, 3240), (525, 3243), (526, 3246), (545, 3303), (550, 3324), (558, 3357), (561, 3369), (580, 3408), (587, 3432), (631, 3576),

Gene: Karkharias_3 Start: 2383, Stop: 3747, Start Num: 98

Candidate Starts for Karkharias_3:

(Start: 98 @2383 has 18 MA's), (170, 2551), (175, 2569), (184, 2605), (202, 2653), (246, 2779), (281, 2860), (301, 2890), (356, 2965), (399, 3034), (431, 3124), (436, 3139), (513, 3331), (535, 3385), (565, 3505), (593, 3589), (594, 3595), (659, 3739),

Gene: Katalie_8 Start: 4327, Stop: 5763, Start Num: 102

Candidate Starts for Katalie_8:

(Start: 93 @4318 has 3 MA's), (Start: 96 @4321 has 4 MA's), (Start: 102 @4327 has 236 MA's), (117, 4351), (125, 4375), (Start: 149 @4444 has 2 MA's), (172, 4492), (179, 4516), (185, 4543), (228, 4696), (298, 4810), (326, 4852), (334, 4864), (341, 4879), (373, 4918), (419, 5008), (423, 5020), (448, 5113), (483, 5191), (498, 5236), (511, 5293), (585, 5530), (681, 5749),

Gene: Katalie136_12 Start: 8587, Stop: 10038, Start Num: 74

Candidate Starts for Katalie136_12:

(Start: 74 @8587 has 580 MA's), (156, 8737), (160, 8749), (211, 8896), (217, 8917), (224, 8947), (244, 8986), (253, 9004), (256, 9013), (278, 9064), (385, 9193), (394, 9211), (415, 9256), (432, 9322), (434, 9328), (440, 9349), (441, 9355), (475, 9424), (497, 9484), (507, 9529), (545, 9655), (546, 9658), (558, 9709), (559, 9715), (563, 9727), (564, 9730), (575, 9757), (604, 9853), (613, 9883), (615, 9895), (620, 9913), (633, 9943),

Gene: KatherineG_15 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for KatherineG_15:

(Start: 74 @8502 has 580 MA's), (121, 8562), (160, 8667), (184, 8733), (248, 8916), (265, 8949), (278, 8982), (426, 9213), (432, 9240), (434, 9246), (440, 9267), (445, 9288), (455, 9318), (479, 9342), (507, 9432), (515, 9462), (545, 9558), (552, 9585), (558, 9612), (563, 9630), (564, 9633), (575, 9666), (580, 9675), (613, 9792), (620, 9822), (651, 9876),

Gene: Kaylissa_3 Start: 2269, Stop: 3645, Start Num: 99

Candidate Starts for Kaylissa_3:

(Start: 99 @2269 has 43 MA's), (Start: 149 @2389 has 2 MA's), (185, 2488), (198, 2527), (310, 2752), (383, 2845), (449, 3025), (518, 3193), (534, 3232), (540, 3262), (548, 3286), (598, 3460), (601, 3469), (647, 3580),

Gene: Kazan_16 Start: 9290, Stop: 10753, Start Num: 74

Candidate Starts for Kazan_16:

(Start: 74 @9290 has 580 MA's), (94, 9311), (121, 9350), (152, 9437), (157, 9449), (160, 9455), (265, 9737), (408, 9950), (426, 10001), (432, 10028), (434, 10034), (440, 10055), (564, 10421), (575, 10448), (580, 10457), (593, 10517), (613, 10574), (620, 10604), (633, 10634), (653, 10661),

Gene: KeAlii_3 Start: 2252, Stop: 3619, Start Num: 99

Candidate Starts for KeAlii_3:

(Start: 99 @2252 has 43 MA's), (143, 2363), (Start: 149 @2372 has 2 MA's), (185, 2471), (326, 2753), (449, 3008), (507, 3134), (540, 3242), (548, 3266), (598, 3440), (647, 3560),

Gene: Keelan_33 Start: 11198, Stop: 12622, Start Num: 108

Candidate Starts for Keelan_33:

(Start: 108 @11198 has 17 MA's), (123, 11237), (126, 11246), (139, 11294), (169, 11354), (210, 11480), (226, 11543), (265, 11594), (336, 11729), (378, 11795), (423, 11894), (508, 12104), (512, 12116), (549, 12239), (554, 12263), (556, 12269), (557, 12272), (606, 12416), (608, 12425), (609, 12428), (612, 12437), (639, 12509),

Gene: Kenmech_15 Start: 9778, Stop: 11220, Start Num: 109

Candidate Starts for Kenmech_15:

(64, 9712), (Start: 109 @9778 has 196 MA's), (183, 9976), (265, 10189), (394, 10384), (399, 10396), (432, 10495), (509, 10690), (521, 10729), (545, 10807), (547, 10813), (558, 10861), (561, 10873), (564, 10882), (580, 10915), (592, 10972), (620, 11062), (635, 11095), (644, 11107),

Gene: Kenuha5_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Kenuha5_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (273, 2687), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Kerberos_16 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for Kerberos_16:

(Start: 74 @9159 has 580 MA's), (121, 9219), (156, 9312), (160, 9324), (265, 9606), (374, 9750), (398, 9792), (426, 9867), (432, 9894), (434, 9900), (440, 9921), (441, 9927), (558, 10266), (564, 10287), (575, 10314), (580, 10323), (604, 10410), (613, 10440), (620, 10470), (633, 10500), (651, 10524),

Gene: Kersh_3 Start: 2243, Stop: 3601, Start Num: 102

Candidate Starts for Kersh_3:

(Start: 102 @2243 has 236 MA's), (Start: 120 @2279 has 8 MA's), (Start: 128 @2303 has 1 MA's), (132, 2312), (134, 2318), (135, 2321), (148, 2360), (177, 2426), (178, 2429), (198, 2498), (210, 2537), (212, 2546), (227, 2594), (265, 2654), (285, 2702), (320, 2747), (380, 2792), (391, 2819), (413, 2864), (421, 2885), (422, 2888), (423, 2891), (428, 2912), (430, 2921), (444, 2972), (445, 2975), (448, 2984), (459, 3014), (467, 3035), (493, 3104), (496, 3113), (506, 3164), (507, 3167), (524, 3227), (526, 3233), (558, 3344), (561, 3356), (576, 3389), (580, 3395), (587, 3419), (631, 3563),

Gene: Keshu_8 Start: 2908, Stop: 4476, Start Num: 47

Candidate Starts for Keshu_8:

(36, 2875), (Start: 47 @2908 has 130 MA's), (117, 3013), (121, 3022), (126, 3037), (158, 3127), (174, 3160), (178, 3172), (185, 3202), (210, 3271), (215, 3292), (220, 3307), (226, 3334), (265, 3385), (269, 3394), (274, 3409), (317, 3484), (322, 3499), (326, 3505), (332, 3514), (339, 3529), (365, 3580), (399, 3646), (415, 3679), (418, 3685), (426, 3712), (430, 3733), (437, 3754), (444, 3784), (482, 3817), (489, 3835), (508, 3913), (512, 3925), (513, 3928), (517, 3943), (544, 4024), (546, 4030), (557, 4078), (563, 4099), (601, 4219), (609, 4246), (612, 4255), (624, 4291),

Gene: Keziacharles14_12 Start: 8061, Stop: 9545, Start Num: 74

Candidate Starts for Keziacharles14_12:

(Start: 74 @8061 has 580 MA's), (121, 8121), (Start: 128 @8145 has 1 MA's), (152, 8208), (160, 8226), (202, 8340), (229, 8436), (248, 8475), (265, 8508), (278, 8541), (394, 8685), (411, 8721), (415, 8730), (426, 8769), (432, 8796), (434, 8802), (440, 8823), (455, 8874), (479, 8898), (487, 8913), (509, 8997), (558, 9168), (563, 9186), (575, 9216), (580, 9225), (611, 9336), (613, 9342), (620, 9372), (645, 9417), (651, 9426),

Gene: KiSi_8 Start: 2917, Stop: 4461, Start Num: 47

Candidate Starts for KiSi_8:

(Start: 42 @2902 has 24 MA's), (Start: 47 @2917 has 130 MA's), (Start: 71 @2953 has 30 MA's), (89, 2971), (116, 3016), (121, 3028), (124, 3037), (Start: 149 @3109 has 2 MA's), (158, 3133), (169, 3151), (174, 3166), (177, 3175), (178, 3178), (215, 3298), (220, 3313), (225, 3337), (226, 3340), (274, 3418), (292, 3457), (317, 3493), (326, 3514), (347, 3553), (364, 3583), (370, 3598), (394, 3643), (398, 3652), (399, 3655), (415, 3688), (426, 3721), (430, 3742), (437, 3763), (444, 3793), (482, 3826), (489, 3844), (508, 3922), (512, 3934), (513, 3937), (516, 3949), (517, 3952), (557, 4084), (563, 4105), (582, 4147), (590, 4186), (592, 4198), (601, 4222), (608, 4246), (609, 4249), (612, 4258), (624, 4294), (674, 4381),

Gene: KidneyBean_25 Start: 14685, Stop: 16274, Start Num: 71

Candidate Starts for KidneyBean_25:

(Start: 71 @14685 has 30 MA's), (Start: 74 @14691 has 580 MA's), (87, 14706), (91, 14715), (121, 14769), (185, 14961), (210, 15039), (216, 15063), (223, 15093), (348, 15297), (371, 15324), (388, 15351), (422, 15441), (441, 15513), (445, 15528), (450, 15543), (486, 15624), (522, 15765), (553, 15864), (555, 15879), (558, 15888), (560, 15897), (575, 15933), (584, 15957), (607, 16041), (609, 16050), (621, 16095),

Gene: Killigrew_10 Start: 8139, Stop: 9581, Start Num: 109

Candidate Starts for Killigrew_10:

(64, 8073), (Start: 109 @8139 has 196 MA's), (183, 8337), (265, 8550), (270, 8562), (278, 8586), (394, 8745), (399, 8757), (432, 8856), (509, 9051), (521, 9090), (545, 9168), (547, 9174), (558, 9222), (561, 9234), (564, 9243), (580, 9276), (592, 9333), (620, 9423), (635, 9456), (644, 9468),

Gene: Kimberlium_4 Start: 2200, Stop: 3621, Start Num: 101

Candidate Starts for Kimberlium_4:

(Start: 101 @2200 has 52 MA's), (116, 2227), (121, 2239), (172, 2368), (177, 2386), (185, 2419), (210, 2488), (220, 2524), (224, 2545), (226, 2551), (253, 2575), (254, 2578), (285, 2653), (289, 2659), (308, 2686), (339, 2746), (394, 2848), (399, 2860), (404, 2869), (418, 2899), (420, 2908), (430, 2947), (436, 2965), (437, 2968), (444, 2998), (490, 3055), (502, 3094), (512, 3139), (517, 3157), (525, 3184), (532, 3196), (534, 3199), (536, 3205), (537, 3220), (548, 3253), (582, 3358), (601, 3433), (603, 3439), (606, 3448), (608, 3457), (612, 3469), (638, 3532), (666, 3580),

Gene: Kimchi1738_13 Start: 8378, Stop: 9940, Start Num: 81

Candidate Starts for Kimchi1738_13:

(Start: 71 @8363 has 30 MA's), (Start: 81 @8378 has 6 MA's), (118, 8441), (136, 8504), (161, 8564), (164, 8573), (170, 8582), (181, 8621), (206, 8699), (210, 8717), (256, 8837), (259, 8843), (283, 8906), (287, 8912), (379, 9026), (414, 9101), (421, 9125), (441, 9200), (445, 9215), (450, 9230), (493, 9335), (496, 9344), (522, 9452), (561, 9584), (585, 9647), (594, 9692), (610, 9737), (612, 9743), (618, 9770), (621, 9779), (628, 9794), (689, 9878),

Gene: Kimona_9 Start: 6002, Stop: 7459, Start Num: 74

Candidate Starts for Kimona_9:

(Start: 74 @6002 has 580 MA's), (Start: 110 @6029 has 2 MA's), (156, 6149), (160, 6161), (211, 6308), (224, 6359), (256, 6425), (395, 6623), (411, 6656), (415, 6665), (426, 6704), (432, 6731), (434, 6737), (440, 6758), (448, 6788), (475, 6836), (507, 6941), (545, 7067), (546, 7070), (558, 7121), (563, 7139), (564, 7142), (580, 7178), (593, 7238), (602, 7259), (604, 7265), (613, 7295), (620, 7325), (643, 7364),

Gene: KingCyrus_15 Start: 9611, Stop: 11086, Start Num: 74

Candidate Starts for KingCyrus_15:

(Start: 74 @9611 has 580 MA's), (121, 9671), (160, 9776), (224, 9974), (265, 10058), (278, 10091), (374, 10202), (426, 10319), (432, 10346), (434, 10352), (440, 10373), (441, 10379), (455, 10424),

(509, 10547), (558, 10718), (563, 10736), (564, 10739), (575, 10766), (580, 10775), (613, 10892), (620, 10922), (633, 10952), (651, 10976), (702, 11063),

Gene: KingMidas_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for KingMidas_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Kingmustik0402_12 Start: 8570, Stop: 10021, Start Num: 74

Candidate Starts for Kingmustik0402_12:

(Start: 74 @8570 has 580 MA's), (156, 8717), (160, 8729), (217, 8897), (224, 8927), (244, 8966), (253, 8984), (278, 9044), (385, 9173), (394, 9191), (423, 9266), (432, 9302), (434, 9308), (440, 9329), (441, 9335), (475, 9404), (497, 9464), (507, 9509), (545, 9635), (546, 9638), (558, 9689), (564, 9710), (575, 9740), (602, 9830), (613, 9866), (620, 9896), (633, 9926),

Gene: Kingsley_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Kingsley_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Kingsolomon_6 Start: 2756, Stop: 4399, Start Num: 74

Candidate Starts for Kingsolomon_6:

(Start: 74 @2756 has 580 MA's), (118, 2816), (178, 2966), (185, 2996), (210, 3068), (228, 3134), (257, 3182), (318, 3275), (341, 3314), (406, 3404), (411, 3413), (418, 3428), (492, 3617), (502, 3650), (510, 3689), (522, 3731), (582, 3914), (591, 3956), (598, 3983), (601, 3992), (617, 4052), (633, 4082), (638, 4091), (681, 4166), (697, 4199),

Gene: Kipper29_16 Start: 9284, Stop: 10747, Start Num: 74

Candidate Starts for Kipper29_16:

(Start: 74 @9284 has 580 MA's), (94, 9305), (121, 9344), (152, 9431), (157, 9443), (160, 9449), (265, 9731), (408, 9944), (426, 9995), (432, 10022), (434, 10028), (440, 10049), (564, 10415), (575, 10442), (580, 10451), (593, 10511), (613, 10568), (620, 10598), (633, 10628), (653, 10655),

Gene: KittenMittens_11 Start: 6470, Stop: 7930, Start Num: 74

Candidate Starts for KittenMittens_11:

(Start: 74 @6470 has 580 MA's), (Start: 110 @6497 has 2 MA's), (134, 6563), (156, 6617), (160, 6629), (168, 6638), (185, 6698), (211, 6776), (221, 6809), (224, 6827), (243, 6866), (245, 6869), (278, 6947), (390, 7085), (399, 7103), (432, 7202), (434, 7208), (440, 7229), (441, 7235), (448, 7259), (475, 7310), (507, 7415), (545, 7541), (546, 7544), (558, 7595), (559, 7601), (564, 7616), (575, 7646), (580, 7655), (602, 7736), (613, 7772), (620, 7802), (649, 7853), (651, 7856),

Gene: Koduck_13 Start: 8396, Stop: 9856, Start Num: 74

Candidate Starts for Koduck_13:

(Start: 74 @8396 has 580 MA's), (94, 8417), (121, 8456), (160, 8561), (265, 8843), (278, 8876), (330, 8948), (399, 9032), (426, 9104), (432, 9131), (433, 9134), (434, 9137), (440, 9158), (521, 9371), (552,

9476), (558, 9503), (564, 9524), (575, 9551), (580, 9560), (613, 9677), (620, 9707), (633, 9737), (645, 9752), (651, 9761),

Gene: Koella_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for Koella_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (642, 3578),

Gene: Koko_16 Start: 9284, Stop: 10750, Start Num: 74

Candidate Starts for Koko_16:

(Start: 74 @9284 has 580 MA's), (94, 9305), (121, 9344), (152, 9431), (157, 9443), (160, 9449), (265, 9731), (288, 9785), (408, 9944), (426, 9995), (432, 10022), (434, 10028), (440, 10049), (521, 10262), (564, 10415), (569, 10430), (575, 10442), (580, 10451), (594, 10517), (604, 10538), (613, 10568), (620, 10598), (633, 10628),

Gene: Koreni_11 Start: 8227, Stop: 9678, Start Num: 74

Candidate Starts for Koreni_11:

(Start: 74 @8227 has 580 MA's), (156, 8374), (160, 8386), (217, 8554), (224, 8584), (244, 8623), (253, 8641), (278, 8701), (385, 8830), (394, 8848), (399, 8860), (432, 8959), (434, 8965), (440, 8986), (441, 8992), (475, 9061), (497, 9121), (507, 9166), (545, 9292), (546, 9295), (558, 9346), (559, 9352), (564, 9367), (575, 9397), (602, 9487), (613, 9523), (615, 9535), (620, 9553), (633, 9583),

Gene: Krakatau_4 Start: 2939, Stop: 4273, Start Num: 120

Candidate Starts for Krakatau_4:

(Start: 102 @2903 has 236 MA's), (Start: 120 @2939 has 8 MA's), (Start: 128 @2963 has 1 MA's), (132, 2972), (134, 2978), (135, 2981), (148, 3020), (177, 3086), (178, 3089), (198, 3158), (210, 3197), (212, 3206), (227, 3254), (265, 3314), (285, 3362), (320, 3407), (380, 3452), (391, 3479), (413, 3524), (421, 3545), (422, 3548), (423, 3551), (428, 3572), (430, 3581), (444, 3632), (445, 3635), (448, 3644), (459, 3674), (467, 3695), (493, 3764), (496, 3773), (506, 3824), (507, 3827), (524, 3887), (526, 3893), (550, 3971), (558, 4004), (561, 4016), (569, 4034), (580, 4055), (587, 4079), (642, 4241),

Gene: Kratak_12 Start: 8573, Stop: 10024, Start Num: 74

Candidate Starts for Kratak_12:

(Start: 74 @8573 has 580 MA's), (160, 8732), (217, 8900), (224, 8930), (244, 8969), (253, 8987), (278, 9047), (385, 9176), (394, 9194), (432, 9305), (434, 9311), (440, 9332), (441, 9338), (475, 9407), (497, 9467), (507, 9512), (545, 9638), (546, 9641), (558, 9692), (559, 9698), (564, 9713), (575, 9743), (602, 9833), (613, 9869), (620, 9899), (633, 9929),

Gene: Kratio_6 Start: 2527, Stop: 4065, Start Num: 47

Candidate Starts for Kratio_6:

(Start: 47 @2527 has 130 MA's), (117, 2629), (121, 2638), (136, 2692), (174, 2776), (178, 2788), (185, 2818), (191, 2836), (210, 2887), (220, 2923), (225, 2947), (226, 2950), (267, 3004), (274, 3025), (317, 3100), (326, 3121), (342, 3151), (365, 3196), (394, 3250), (415, 3295), (426, 3328), (435, 3364), (437, 3370), (482, 3433), (489, 3451), (508, 3529), (512, 3541), (513, 3544), (517, 3559), (536, 3604), (537, 3619), (544, 3640), (546, 3646), (557, 3694), (558, 3697), (563, 3715), (590, 3796), (593, 3811), (601, 3832), (612, 3868), (624, 3904), (674, 3991),

Gene: Kremtemulon_11 Start: 8623, Stop: 10077, Start Num: 74

Candidate Starts for Kremtemulon_11:

(Start: 74 @8623 has 580 MA's), (156, 8773), (160, 8785), (217, 8953), (224, 8983), (244, 9022), (253, 9040), (278, 9100), (385, 9229), (394, 9247), (432, 9358), (434, 9364), (440, 9385), (441, 9391), (475, 9460), (497, 9520), (507, 9565), (525, 9628), (545, 9691), (546, 9694), (558, 9745), (564, 9766), (575, 9796), (602, 9886), (613, 9922), (620, 9952), (633, 9982),

Gene: Krishelle_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Krishelle_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: KristaRAM_4 Start: 2903, Stop: 4273, Start Num: 102

Candidate Starts for KristaRAM_4:

(Start: 102 @2903 has 236 MA's), (Start: 120 @2939 has 8 MA's), (Start: 128 @2963 has 1 MA's), (132, 2972), (134, 2978), (135, 2981), (148, 3020), (177, 3086), (178, 3089), (198, 3158), (210, 3197), (212, 3206), (227, 3254), (265, 3314), (285, 3362), (320, 3407), (380, 3452), (391, 3479), (413, 3524), (421, 3545), (422, 3548), (423, 3551), (428, 3572), (430, 3581), (444, 3632), (445, 3635), (448, 3644), (459, 3674), (467, 3695), (493, 3764), (496, 3773), (506, 3824), (507, 3827), (522, 3881), (524, 3887), (525, 3890), (526, 3893), (545, 3950), (558, 4004), (561, 4016), (576, 4049), (580, 4055), (587, 4079), (631, 4223), (642, 4241),

Gene: Kristoff_13 Start: 8553, Stop: 9998, Start Num: 74

Candidate Starts for Kristoff_13:

(Start: 74 @8553 has 580 MA's), (160, 8712), (211, 8859), (214, 8871), (221, 8892), (224, 8910), (226, 8916), (243, 8949), (278, 9030), (282, 9042), (390, 9168), (399, 9186), (426, 9258), (432, 9285), (434, 9291), (439, 9309), (440, 9312), (507, 9492), (545, 9618), (546, 9621), (558, 9672), (559, 9678), (564, 9693), (575, 9723), (580, 9732), (602, 9813), (613, 9849), (620, 9879), (649, 9930), (651, 9933),

Gene: Kromp_3 Start: 2437, Stop: 3882, Start Num: 93

Candidate Starts for Kromp_3:

(Start: 93 @2437 has 3 MA's), (150, 2551), (156, 2563), (166, 2587), (177, 2617), (178, 2620), (221, 2761), (222, 2764), (282, 2890), (336, 2962), (411, 3073), (434, 3151), (435, 3154), (436, 3157), (444, 3190), (478, 3247), (521, 3397), (558, 3529), (575, 3574), (588, 3619), (593, 3643), (605, 3667), (620, 3724), (640, 3757), (642, 3760), (657, 3784), (686, 3841), (694, 3859),

Gene: Krueger_8 Start: 2958, Stop: 4505, Start Num: 47

Candidate Starts for Krueger_8:

(31, 2826), (33, 2853), (Start: 42 @2943 has 24 MA's), (Start: 47 @2958 has 130 MA's), (121, 3063), (Start: 149 @3144 has 2 MA's), (158, 3168), (177, 3210), (210, 3312), (215, 3333), (220, 3348), (226, 3375), (274, 3453), (292, 3492), (326, 3549), (364, 3618), (376, 3642), (394, 3678), (399, 3690), (415, 3723), (426, 3756), (430, 3777), (437, 3798), (444, 3828), (482, 3861), (489, 3879), (512, 3969), (513, 3972), (517, 3987), (534, 4023), (536, 4029), (546, 4071), (558, 4122), (563, 4140), (592, 4233), (593, 4236), (608, 4281), (609, 4284), (612, 4293),

Gene: Krypton555_6 Start: 2751, Stop: 4391, Start Num: 74

Candidate Starts for Krypton555_6:

(Start: 74 @2751 has 580 MA's), (118, 2811), (178, 2961), (185, 2991), (210, 3063), (228, 3129), (257, 3177), (318, 3270), (341, 3309), (390, 3366), (406, 3399), (411, 3408), (418, 3423), (492, 3612), (510, 3684), (522, 3726), (582, 3909), (598, 3978), (601, 3987), (617, 4047), (633, 4077), (638, 4086), (681, 4161), (697, 4194),

Gene: Kudrefre_13 Start: 6422, Stop: 7918, Start Num: 53

Candidate Starts for Kudefre_13:

(Start: 53 @6422 has 7 MA's), (Start: 81 @6464 has 6 MA's), (Start: 83 @6467 has 5 MA's), (121, 6533), (183, 6704), (206, 6764), (210, 6782), (254, 6890), (257, 6899), (265, 6914), (269, 6923), (294, 6965), (380, 7061), (394, 7091), (407, 7121), (411, 7127), (435, 7205), (482, 7295), (490, 7316), (524, 7442), (525, 7445), (537, 7481), (548, 7514), (558, 7559), (559, 7565), (576, 7607), (578, 7610), (582, 7619), (585, 7634), (592, 7670), (594, 7679), (596, 7685), (599, 7691), (606, 7712), (608, 7721), (625, 7772), (633, 7787), (636, 7793), (646, 7808),

Gene: Kugel_13 Start: 8737, Stop: 10203, Start Num: 76

Candidate Starts for Kugel_13:

(Start: 76 @8737 has 71 MA's), (160, 8887), (229, 9127), (256, 9181), (270, 9211), (278, 9232), (344, 9313), (394, 9376), (432, 9487), (434, 9493), (440, 9514), (479, 9589), (487, 9604), (525, 9745), (558, 9862), (563, 9880), (580, 9919), (613, 10036), (620, 10066), (627, 10078),

Gene: Kumao_14 Start: 5842, Stop: 7305, Start Num: 48

Candidate Starts for Kumao_14:

(Start: 47 @5839 has 130 MA's), (Start: 48 @5842 has 21 MA's), (94, 5920), (121, 5959), (122, 5962), (147, 6034), (162, 6067), (169, 6079), (175, 6097), (178, 6106), (185, 6136), (210, 6205), (215, 6226), (231, 6280), (253, 6307), (254, 6310), (395, 6499), (426, 6574), (437, 6616), (524, 6847), (534, 6862), (545, 6907), (552, 6934), (553, 6937), (590, 7060), (595, 7084), (646, 7210),

Gene: Kurt_25 Start: 14922, Stop: 16511, Start Num: 71

Candidate Starts for Kurt_25:

(Start: 71 @14922 has 30 MA's), (Start: 74 @14928 has 580 MA's), (87, 14943), (91, 14952), (121, 15006), (185, 15198), (210, 15276), (216, 15300), (223, 15330), (348, 15534), (371, 15561), (388, 15588), (422, 15678), (441, 15750), (445, 15765), (450, 15780), (486, 15861), (522, 16002), (553, 16101), (555, 16116), (558, 16125), (560, 16134), (575, 16170), (584, 16194), (607, 16278), (609, 16287), (621, 16332),

Gene: KyMonks1A_14 Start: 9008, Stop: 10450, Start Num: 109

Candidate Starts for KyMonks1A_14:

(64, 8942), (Start: 109 @9008 has 196 MA's), (183, 9206), (265, 9419), (394, 9614), (432, 9725), (509, 9920), (521, 9959), (545, 10037), (547, 10043), (558, 10091), (561, 10103), (564, 10112), (592, 10202), (620, 10292), (635, 10325), (644, 10337),

Gene: Kyee_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for Kyee_12:

(Start: 74 @8579 has 580 MA's), (156, 8726), (160, 8738), (217, 8906), (224, 8936), (244, 8975), (253, 8993), (278, 9053), (385, 9182), (394, 9200), (432, 9311), (434, 9317), (440, 9338), (441, 9344), (475, 9413), (497, 9473), (507, 9518), (545, 9644), (546, 9647), (558, 9698), (564, 9719), (575, 9749), (602, 9839), (613, 9875), (620, 9905), (633, 9935),

Gene: Kykar_10 Start: 8234, Stop: 9700, Start Num: 76

Candidate Starts for Kykar_10:

(Start: 76 @8234 has 71 MA's), (160, 8384), (229, 8624), (256, 8678), (270, 8708), (278, 8729), (344, 8810), (394, 8873), (432, 8984), (434, 8990), (440, 9011), (479, 9086), (487, 9101), (525, 9242), (558, 9359), (563, 9377), (580, 9416), (613, 9533), (620, 9563), (627, 9575),

Gene: L5_14 Start: 8404, Stop: 9864, Start Num: 74

Candidate Starts for L5_14:

(Start: 74 @8404 has 580 MA's), (94, 8425), (121, 8464), (160, 8569), (265, 8851), (278, 8884), (330, 8956), (399, 9040), (426, 9112), (432, 9139), (433, 9142), (434, 9145), (440, 9166), (521, 9379), (552, 9484), (558, 9511), (564, 9532), (575, 9559), (580, 9568), (613, 9685), (620, 9715), (633, 9745), (645,

9760), (651, 9769),

Gene: LBerry_14 Start: 8654, Stop: 10108, Start Num: 74

Candidate Starts for LBerry_14:

(Start: 74 @8654 has 580 MA's), (Start: 110 @8684 has 2 MA's), (121, 8711), (160, 8816), (202, 8930), (221, 8996), (244, 9053), (278, 9131), (279, 9134), (394, 9275), (432, 9386), (434, 9392), (440, 9413), (507, 9578), (545, 9704), (558, 9758), (559, 9764), (564, 9779), (580, 9815), (604, 9902), (613, 9932), (620, 9962), (645, 10007), (652, 10016),

Gene: LHTSCC_12 Start: 8555, Stop: 10006, Start Num: 74

Candidate Starts for LHTSCC_12:

(Start: 74 @8555 has 580 MA's), (160, 8714), (217, 8882), (224, 8912), (244, 8951), (253, 8969), (278, 9029), (385, 9158), (394, 9176), (432, 9287), (434, 9293), (440, 9314), (441, 9320), (475, 9389), (497, 9449), (545, 9620), (546, 9623), (558, 9674), (559, 9680), (564, 9695), (575, 9725), (602, 9815), (613, 9851), (615, 9863), (620, 9881), (633, 9911),

Gene: LadyBird_13 Start: 9194, Stop: 10654, Start Num: 74

Candidate Starts for LadyBird_13:

(Start: 74 @9194 has 580 MA's), (121, 9254), (160, 9359), (224, 9557), (265, 9641), (278, 9674), (374, 9785), (426, 9902), (432, 9929), (434, 9935), (440, 9956), (441, 9962), (455, 10007), (558, 10301), (563, 10319), (564, 10322), (575, 10349), (580, 10358), (613, 10475), (620, 10505), (633, 10535), (651, 10559),

Gene: Lambert1_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Lambert1_13:

(Start: 74 @8738 has 580 MA's), (112, 8777), (160, 8903), (189, 8987), (211, 9050), (221, 9083), (224, 9101), (244, 9140), (256, 9167), (278, 9218), (385, 9344), (390, 9356), (398, 9371), (399, 9374), (426, 9446), (432, 9473), (434, 9479), (440, 9500), (441, 9506), (448, 9530), (475, 9572), (507, 9677), (545, 9803), (546, 9806), (558, 9857), (559, 9863), (564, 9878), (575, 9908), (613, 10034), (620, 10064), (635, 10094),

Gene: Lamina13_12 Start: 8284, Stop: 9726, Start Num: 109

Candidate Starts for Lamina13_12:

(64, 8218), (Start: 109 @8284 has 196 MA's), (183, 8482), (265, 8695), (394, 8890), (399, 8902), (432, 9001), (509, 9196), (521, 9235), (545, 9313), (547, 9319), (558, 9367), (561, 9379), (564, 9388), (592, 9478), (620, 9568), (635, 9601), (644, 9613),

Gene: Landor_14 Start: 10977, Stop: 12431, Start Num: 74

Candidate Starts for Landor_14:

(Start: 74 @10977 has 580 MA's), (121, 11037), (160, 11142), (202, 11256), (229, 11352), (256, 11406), (265, 11424), (426, 11685), (432, 11712), (433, 11715), (434, 11718), (440, 11739), (455, 11790), (558, 12084), (563, 12102), (575, 12132), (580, 12141), (593, 12201), (604, 12228), (613, 12258), (620, 12288), (633, 12318), (651, 12342),

Gene: Lannister_8 Start: 4063, Stop: 5496, Start Num: 102

Candidate Starts for Lannister_8:

(Start: 93 @4054 has 3 MA's), (Start: 96 @4057 has 4 MA's), (Start: 102 @4063 has 236 MA's), (Start: 149 @4180 has 2 MA's), (172, 4228), (185, 4279), (228, 4432), (298, 4546), (326, 4588), (341, 4615), (419, 4741), (423, 4753), (448, 4846), (483, 4924), (498, 4969), (511, 5026), (585, 5263), (681, 5482),

Gene: LappelDuVide_11 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for LappelDuVide_11:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Larenn_14 Start: 9490, Stop: 10953, Start Num: 74

Candidate Starts for Larenn_14:

(Start: 74 @9490 has 580 MA's), (121, 9550), (156, 9643), (160, 9655), (265, 9937), (395, 10117), (399, 10126), (426, 10198), (432, 10225), (434, 10231), (440, 10252), (525, 10480), (558, 10597), (563, 10615), (564, 10618), (575, 10645), (580, 10654), (613, 10771), (620, 10801), (633, 10831), (651, 10855),

Gene: LarryKay_14 Start: 8740, Stop: 10194, Start Num: 74

Candidate Starts for LarryKay_14:

(Start: 74 @8740 has 580 MA's), (Start: 110 @8770 has 2 MA's), (121, 8797), (160, 8902), (202, 9016), (221, 9082), (244, 9139), (278, 9217), (279, 9220), (394, 9361), (432, 9472), (434, 9478), (440, 9499), (507, 9664), (545, 9790), (558, 9844), (559, 9850), (564, 9865), (580, 9901), (604, 9988), (613, 10018), (620, 10048), (645, 10093), (652, 10102),

Gene: Larva_7 Start: 2529, Stop: 4067, Start Num: 47

Candidate Starts for Larva_7:

(Start: 47 @2529 has 130 MA's), (117, 2631), (121, 2640), (136, 2694), (174, 2778), (178, 2790), (185, 2820), (191, 2838), (210, 2889), (220, 2925), (225, 2949), (226, 2952), (267, 3006), (274, 3027), (317, 3102), (326, 3123), (342, 3153), (365, 3198), (394, 3252), (415, 3297), (426, 3330), (435, 3366), (437, 3372), (482, 3435), (489, 3453), (508, 3531), (512, 3543), (513, 3546), (517, 3561), (536, 3606), (537, 3621), (544, 3642), (546, 3648), (557, 3696), (558, 3699), (563, 3717), (568, 3732), (590, 3798), (593, 3813), (601, 3834), (612, 3870), (624, 3906), (674, 3993),

Gene: LastHope_9 Start: 3053, Stop: 4603, Start Num: 47

Candidate Starts for LastHope_9:

(Start: 42 @3038 has 24 MA's), (Start: 47 @3053 has 130 MA's), (117, 3149), (121, 3158), (131, 3188), (Start: 149 @3239 has 2 MA's), (158, 3263), (174, 3296), (177, 3305), (210, 3407), (215, 3428), (220, 3443), (224, 3464), (269, 3533), (274, 3548), (292, 3587), (326, 3644), (332, 3653), (399, 3785), (415, 3818), (426, 3851), (430, 3872), (437, 3893), (444, 3923), (489, 3974), (508, 4052), (509, 4055), (512, 4064), (513, 4067), (516, 4079), (517, 4082), (521, 4094), (534, 4118), (563, 4235), (592, 4328), (593, 4331), (601, 4352), (608, 4376), (609, 4379), (612, 4388), (642, 4463), (658, 4484), (674, 4511),

Gene: LastJedi_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for LastJedi_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (631, 3560),

Gene: LastResort_15 Start: 8380, Stop: 9840, Start Num: 74

Candidate Starts for LastResort_15:

(Start: 74 @8380 has 580 MA's), (121, 8440), (160, 8545), (184, 8611), (248, 8794), (265, 8827), (278, 8860), (426, 9091), (432, 9118), (434, 9124), (440, 9145), (445, 9166), (455, 9196), (479, 9220), (507, 9310), (515, 9340), (545, 9436), (552, 9463), (558, 9490), (563, 9508), (564, 9511), (575, 9544), (580, 9553), (613, 9670), (620, 9700), (651, 9754),

Gene: LaterM_9 Start: 3001, Stop: 4554, Start Num: 47

Candidate Starts for LaterM_9:

(26, 2758), (31, 2872), (33, 2899), (Start: 42 @2986 has 24 MA's), (Start: 47 @3001 has 130 MA's), (117, 3103), (121, 3112), (Start: 149 @3193 has 2 MA's), (158, 3217), (174, 3250), (177, 3259), (185, 3292), (210, 3361), (215, 3382), (226, 3424), (269, 3487), (274, 3502), (317, 3577), (326, 3598), (342, 3628), (399, 3739), (415, 3772), (426, 3805), (437, 3847), (444, 3877), (482, 3910), (489, 3928), (508, 4006), (512, 4018), (513, 4021), (516, 4033), (517, 4036), (534, 4072), (546, 4120), (563, 4189), (576, 4219), (593, 4285), (601, 4306), (609, 4333), (612, 4342), (624, 4378), (652, 4432),

Gene: Latretium_3 Start: 2239, Stop: 3597, Start Num: 102

Candidate Starts for Latretium_3:

(Start: 102 @2239 has 236 MA's), (Start: 119 @2272 has 2 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (176, 2419), (177, 2422), (178, 2425), (198, 2494), (201, 2500), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (273, 2671), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (576, 3385), (580, 3391), (587, 3415), (631, 3559),

Gene: LeBron_5 Start: 2626, Stop: 4299, Start Num: 74

Candidate Starts for LeBron_5:

(Start: 74 @2626 has 580 MA's), (121, 2689), (137, 2743), (147, 2767), (178, 2836), (183, 2860), (210, 2938), (220, 2974), (265, 3067), (267, 3070), (318, 3145), (341, 3184), (394, 3247), (406, 3274), (407, 3277), (418, 3298), (424, 3319), (435, 3361), (436, 3364), (485, 3466), (490, 3481), (492, 3487), (513, 3568), (521, 3595), (522, 3601), (551, 3694), (557, 3721), (559, 3730), (582, 3784), (586, 3805), (591, 3826), (598, 3853), (601, 3862), (617, 3922), (633, 3952), (638, 3961), (697, 4069), (718, 4264),

Gene: LeMond_8 Start: 2917, Stop: 4461, Start Num: 47

Candidate Starts for LeMond_8:

(33, 2812), (Start: 42 @2902 has 24 MA's), (Start: 47 @2917 has 130 MA's), (Start: 71 @2953 has 30 MA's), (89, 2971), (116, 3016), (121, 3028), (124, 3037), (Start: 149 @3109 has 2 MA's), (158, 3133), (169, 3151), (174, 3166), (177, 3175), (215, 3298), (220, 3313), (225, 3337), (226, 3340), (274, 3418), (292, 3457), (317, 3493), (326, 3514), (347, 3553), (370, 3598), (394, 3643), (398, 3652), (415, 3688), (426, 3721), (430, 3742), (437, 3763), (444, 3793), (482, 3826), (489, 3844), (508, 3922), (512, 3934), (513, 3937), (516, 3949), (517, 3952), (557, 4084), (558, 4087), (563, 4105), (582, 4147), (590, 4186), (592, 4198), (601, 4222), (608, 4246), (609, 4249), (612, 4258), (624, 4294), (674, 4381),

Gene: Legacy_7 Start: 4061, Stop: 5503, Start Num: 102

Candidate Starts for Legacy_7:

(Start: 93 @4052 has 3 MA's), (Start: 96 @4055 has 4 MA's), (Start: 102 @4061 has 236 MA's), (Start: 149 @4178 has 2 MA's), (172, 4226), (298, 4544), (326, 4586), (341, 4613), (369, 4646), (419, 4739), (423, 4751), (448, 4844), (483, 4922), (498, 4967), (511, 5024), (518, 5048), (585, 5261), (681, 5489),

Gene: Lego_3 Start: 2269, Stop: 3645, Start Num: 99

Candidate Starts for Lego_3:

(Start: 99 @2269 has 43 MA's), (Start: 149 @2389 has 2 MA's), (185, 2488), (198, 2527), (310, 2752), (383, 2845), (449, 3025), (518, 3193), (534, 3232), (540, 3262), (548, 3286), (598, 3460), (601, 3469), (647, 3580),

Gene: Lemur_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Lemur_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475,

9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: LeoAvram_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for LeoAvram_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Leogania_15 Start: 11359, Stop: 12822, Start Num: 74

Candidate Starts for Leogania_15:

(Start: 74 @11359 has 580 MA's), (121, 11419), (160, 11524), (224, 11722), (265, 11806), (278, 11839), (426, 12067), (432, 12094), (434, 12100), (440, 12121), (441, 12127), (455, 12172), (558, 12466), (563, 12484), (564, 12487), (575, 12514), (580, 12523), (613, 12640), (620, 12670), (633, 12700), (651, 12724),

Gene: Leozinho_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Leozinho_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Leperchaun_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Leperchaun_3:

(Start: 102 @2240 has 236 MA's), (Start: 119 @2273 has 2 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (201, 2501), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: Lesedi_11 Start: 8443, Stop: 9885, Start Num: 109

Candidate Starts for Lesedi_11:

(64, 8377), (Start: 109 @8443 has 196 MA's), (183, 8641), (265, 8854), (394, 9049), (399, 9061), (432, 9160), (453, 9232), (509, 9355), (521, 9394), (545, 9472), (547, 9478), (558, 9526), (561, 9538), (564, 9547), (592, 9637), (620, 9727), (635, 9760), (644, 9772),

Gene: Leston_7 Start: 2791, Stop: 4326, Start Num: 47

Candidate Starts for Leston_7:

(Start: 47 @2791 has 130 MA's), (104, 2863), (121, 2899), (124, 2908), (136, 2953), (174, 3037), (178, 3049), (185, 3079), (191, 3097), (210, 3148), (220, 3184), (226, 3211), (265, 3262), (267, 3265), (269, 3271), (274, 3286), (275, 3289), (317, 3361), (326, 3382), (342, 3412), (365, 3457), (394, 3511), (415, 3556), (426, 3589), (435, 3625), (436, 3628), (437, 3631), (482, 3694), (489, 3712), (490, 3718), (508, 3790), (512, 3802), (513, 3805), (517, 3820), (536, 3865), (537, 3880), (544, 3901), (557, 3955), (558, 3958), (563, 3976), (568, 3991), (590, 4057), (593, 4072), (601, 4093), (612, 4129), (624, 4165), (674, 4252),

Gene: Lev2_10 Start: 7756, Stop: 9189, Start Num: 76

Candidate Starts for Lev2_10:

(Start: 76 @7756 has 71 MA's), (173, 7924), (177, 7939), (179, 7945), (229, 8113), (244, 8140), (278, 8218), (344, 8299), (398, 8371), (399, 8374), (426, 8446), (434, 8479), (440, 8500), (448, 8530), (479, 8575), (545, 8791), (558, 8845), (563, 8863), (580, 8902), (613, 9019), (620, 9049), (633, 9079), (652, 9103),

Gene: Leviathan_15 Start: 9667, Stop: 11127, Start Num: 74

Candidate Starts for Leviathan_15:

(Start: 74 @9667 has 580 MA's), (121, 9727), (160, 9832), (224, 10030), (265, 10114), (278, 10147), (394, 10291), (426, 10375), (432, 10402), (434, 10408), (440, 10429), (441, 10435), (455, 10480), (558, 10774), (563, 10792), (564, 10795), (575, 10822), (580, 10831), (613, 10948), (620, 10978), (633, 11008), (651, 11032),

Gene: Leviticus_7 Start: 4081, Stop: 5523, Start Num: 102

Candidate Starts for Leviticus_7:

(Start: 93 @4072 has 3 MA's), (Start: 96 @4075 has 4 MA's), (Start: 102 @4081 has 236 MA's), (Start: 149 @4198 has 2 MA's), (172, 4246), (298, 4564), (326, 4606), (341, 4633), (369, 4666), (419, 4759), (423, 4771), (448, 4864), (483, 4942), (498, 4987), (511, 5044), (518, 5068), (585, 5281), (681, 5509),

Gene: Lewan_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Lewan_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (132, 2734), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: Licorice_14 Start: 9300, Stop: 10742, Start Num: 109

Candidate Starts for Licorice_14:

(64, 9234), (Start: 109 @9300 has 196 MA's), (183, 9498), (265, 9711), (394, 9906), (399, 9918), (432, 10017), (509, 10212), (521, 10251), (545, 10329), (547, 10335), (558, 10383), (561, 10395), (564, 10404), (592, 10494), (620, 10584), (635, 10617), (644, 10629),

Gene: Liebe_3 Start: 2290, Stop: 3813, Start Num: 97

Candidate Starts for Liebe_3:

(Start: 97 @2290 has 14 MA's), (Start: 102 @2296 has 236 MA's), (111, 2311), (135, 2374), (Start: 149 @2413 has 2 MA's), (330, 2800), (394, 2890), (431, 2986), (507, 3175), (515, 3205), (521, 3223), (534, 3253), (540, 3283), (594, 3472), (598, 3481), (675, 3652), (695, 3697), (711, 3757),

Gene: Lika_7 Start: 4060, Stop: 5496, Start Num: 102

Candidate Starts for Lika_7:

(Start: 96 @4054 has 4 MA's), (Start: 102 @4060 has 236 MA's), (117, 4084), (125, 4108), (Start: 149 @4177 has 2 MA's), (172, 4225), (185, 4276), (253, 4459), (298, 4543), (326, 4585), (419, 4741), (423, 4753), (448, 4846), (483, 4924), (498, 4969), (511, 5026), (518, 5050), (578, 5239), (585, 5263), (681, 5482),

Gene: LilBib_13 Start: 9243, Stop: 10685, Start Num: 109

Candidate Starts for LilBib_13:

(64, 9177), (Start: 109 @9243 has 196 MA's), (183, 9441), (265, 9654), (394, 9849), (399, 9861), (432, 9960), (509, 10155), (521, 10194), (545, 10272), (547, 10278), (557, 10323), (558, 10326), (561, 10338), (564, 10347), (592, 10437), (620, 10527), (635, 10560), (644, 10572),

Gene: LilDestine_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for LilDestine_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: LilMoolah_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for LilMoolah_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: LilPharaoh_5 Start: 2283, Stop: 3839, Start Num: 47

Candidate Starts for LilPharaoh_5:

(32, 2157), (33, 2178), (Start: 42 @2268 has 24 MA's), (Start: 47 @2283 has 130 MA's), (104, 2352), (113, 2367), (121, 2388), (Start: 149 @2469 has 2 MA's), (158, 2493), (174, 2526), (183, 2562), (210, 2637), (215, 2658), (220, 2673), (274, 2778), (312, 2844), (326, 2874), (354, 2928), (376, 2970), (394, 3006), (399, 3018), (415, 3051), (426, 3084), (437, 3126), (444, 3156), (482, 3189), (489, 3207), (490, 3213), (504, 3267), (508, 3285), (512, 3297), (516, 3312), (517, 3315), (530, 3348), (557, 3447), (558, 3450), (563, 3468), (582, 3510), (592, 3561), (593, 3564), (601, 3585), (608, 3609), (609, 3612), (612, 3621), (624, 3657), (628, 3672), (640, 3693),

Gene: LilTurb_15 Start: 9694, Stop: 11154, Start Num: 74

Candidate Starts for LilTurb_15:

(Start: 74 @9694 has 580 MA's), (121, 9754), (160, 9859), (224, 10057), (265, 10141), (278, 10174), (394, 10318), (426, 10402), (432, 10429), (434, 10435), (440, 10456), (441, 10462), (455, 10507), (558, 10801), (563, 10819), (564, 10822), (575, 10849), (580, 10858), (613, 10975), (620, 11005), (633, 11035), (651, 11059),

Gene: Lilbunny_15 Start: 9265, Stop: 10731, Start Num: 74

Candidate Starts for Lilbunny_15:

(Start: 74 @9265 has 580 MA's), (94, 9286), (121, 9325), (152, 9412), (157, 9424), (160, 9430), (265, 9712), (288, 9766), (408, 9925), (426, 9976), (432, 10003), (434, 10009), (440, 10030), (491, 10132), (521, 10243), (564, 10396), (569, 10411), (575, 10423), (580, 10432), (594, 10498), (604, 10519), (613, 10549), (620, 10579), (633, 10609),

Gene: LilhomieP_14 Start: 6260, Stop: 7882, Start Num: 48

Candidate Starts for LilhomieP_14:

(Start: 48 @6260 has 21 MA's), (56, 6275), (124, 6383), (130, 6401), (147, 6449), (162, 6482), (169, 6494), (177, 6518), (183, 6545), (185, 6551), (210, 6623), (211, 6629), (220, 6659), (248, 6740), (253, 6746), (254, 6749), (263, 6767), (385, 6923), (394, 6941), (399, 6953), (420, 7001), (436, 7058), (437, 7061), (465, 7130), (495, 7184), (504, 7220), (518, 7271), (520, 7274), (532, 7304), (536, 7313), (552, 7379), (553, 7382), (557, 7403), (558, 7406), (578, 7457), (601, 7544), (646, 7655), (663, 7685), (681, 7721), (684, 7727), (691, 7742), (697, 7754), (714, 7838),

Gene: Lilith_14 Start: 8647, Stop: 10101, Start Num: 74

Candidate Starts for Lilith_14:

(Start: 74 @8647 has 580 MA's), (Start: 110 @8677 has 2 MA's), (121, 8704), (160, 8809), (202, 8923), (221, 8989), (244, 9046), (278, 9124), (279, 9127), (394, 9268), (432, 9379), (434, 9385), (440, 9406), (507, 9571), (545, 9697), (558, 9751), (559, 9757), (564, 9772), (580, 9808), (604, 9895), (613, 9925), (620, 9955), (645, 10000), (652, 10009),

Gene: Lillie_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Lillie_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: LindNT_9 Start: 2980, Stop: 4548, Start Num: 42

Candidate Starts for LindNT_9:

(33, 2893), (Start: 42 @2980 has 24 MA's), (Start: 47 @2995 has 130 MA's), (117, 3094), (121, 3103), (143, 3175), (Start: 149 @3184 has 2 MA's), (158, 3208), (174, 3241), (185, 3283), (210, 3352), (215, 3373), (225, 3412), (274, 3496), (317, 3571), (326, 3592), (357, 3646), (415, 3766), (426, 3799), (430, 3820), (437, 3841), (444, 3871), (482, 3904), (489, 3922), (508, 4000), (512, 4012), (513, 4015), (516, 4027), (517, 4030), (534, 4066), (546, 4114), (563, 4183), (593, 4279), (601, 4300), (609, 4327), (612, 4336), (624, 4372), (652, 4426),

Gene: LittleB_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for LittleB_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: LittleCherry_10 Start: 7940, Stop: 9373, Start Num: 76

Candidate Starts for LittleCherry_10:

(Start: 76 @7940 has 71 MA's), (168, 8096), (173, 8108), (177, 8123), (179, 8129), (229, 8297), (244, 8324), (278, 8402), (344, 8483), (398, 8555), (399, 8558), (426, 8630), (434, 8663), (440, 8684), (444, 8702), (448, 8714), (479, 8759), (545, 8975), (558, 9029), (563, 9047), (580, 9086), (613, 9203), (620, 9233), (633, 9263), (652, 9287),

Gene: LittleGuy_12 Start: 8521, Stop: 9975, Start Num: 74

Candidate Starts for LittleGuy_12:

(Start: 74 @8521 has 580 MA's), (156, 8671), (160, 8683), (217, 8851), (224, 8881), (244, 8920), (253, 8938), (278, 8998), (394, 9145), (399, 9157), (432, 9256), (434, 9262), (440, 9283), (441, 9289), (475, 9358), (497, 9418), (507, 9463), (545, 9589), (546, 9592), (558, 9643), (564, 9664), (575, 9694), (602, 9784), (613, 9820), (620, 9850), (633, 9880),

Gene: LittleShirley_4 Start: 2200, Stop: 3621, Start Num: 101

Candidate Starts for LittleShirley_4:

(Start: 101 @2200 has 52 MA's), (116, 2227), (121, 2239), (172, 2368), (177, 2386), (185, 2419), (210, 2488), (220, 2524), (224, 2545), (226, 2551), (253, 2575), (254, 2578), (285, 2653), (289, 2659), (308, 2686), (319, 2704), (339, 2746), (367, 2797), (378, 2815), (394, 2848), (398, 2857), (399, 2860), (420, 2908), (423, 2917), (430, 2947), (436, 2965), (444, 2998), (490, 3055), (512, 3139), (517, 3157), (525, 3184), (532, 3196), (534, 3199), (536, 3205), (537, 3220), (548, 3253), (558, 3298), (582, 3358), (601, 3433), (603, 3439), (606, 3448), (608, 3457), (612, 3469), (638, 3532), (666, 3580),

Gene: Lizalica_3 Start: 2267, Stop: 3640, Start Num: 99

Candidate Starts for Lizalica_3:

(Start: 99 @2267 has 43 MA's), (Start: 149 @2387 has 2 MA's), (185, 2486), (198, 2525), (310, 2750), (383, 2843), (431, 2960), (449, 3023), (518, 3188), (534, 3227), (540, 3257), (548, 3281), (598, 3455), (647, 3575),

Gene: Lizziana_3 Start: 2241, Stop: 3611, Start Num: 102

Candidate Starts for Lizziana_3:

(Start: 102 @2241 has 236 MA's), (Start: 120 @2277 has 8 MA's), (Start: 128 @2301 has 1 MA's), (132, 2310), (134, 2316), (135, 2319), (148, 2358), (177, 2424), (178, 2427), (198, 2496), (210, 2535), (212, 2544), (227, 2592), (265, 2652), (285, 2700), (320, 2745), (380, 2790), (391, 2817), (413, 2862), (421, 2883), (422, 2886), (423, 2889), (428, 2910), (430, 2919), (444, 2970), (445, 2973), (448, 2982), (459, 3012), (467, 3033), (493, 3102), (496, 3111), (506, 3162), (507, 3165), (524, 3225), (526, 3231), (550, 3309), (558, 3342), (561, 3354), (580, 3393), (587, 3417), (642, 3579),

Gene: Llama_3 Start: 2249, Stop: 3607, Start Num: 102

Candidate Starts for Llama_3:

(Start: 102 @2249 has 236 MA's), (Start: 119 @2282 has 2 MA's), (Start: 128 @2309 has 1 MA's), (132, 2318), (134, 2324), (135, 2327), (148, 2366), (177, 2432), (178, 2435), (198, 2504), (201, 2510), (210, 2543), (212, 2552), (227, 2600), (265, 2660), (285, 2708), (320, 2753), (380, 2798), (391, 2825), (413, 2870), (421, 2891), (422, 2894), (423, 2897), (428, 2918), (430, 2927), (444, 2978), (445, 2981), (448, 2990), (459, 3020), (467, 3041), (493, 3110), (496, 3119), (506, 3170), (507, 3173), (522, 3227), (524, 3233), (526, 3239), (550, 3317), (558, 3350), (561, 3362), (576, 3395), (580, 3401), (587, 3425), (631, 3569),

Gene: Llij_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Llij_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (642, 3593),

Gene: Llorens_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Llorens_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Loadrie_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Loadrie_5:

(Start: 74 @2638 has 580 MA's), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: LochMonster_12 Start: 8553, Stop: 10004, Start Num: 74

Candidate Starts for LochMonster_12:

(Start: 74 @8553 has 580 MA's), (156, 8700), (160, 8712), (217, 8880), (224, 8910), (244, 8949), (253, 8967), (278, 9027), (385, 9156), (394, 9174), (432, 9285), (434, 9291), (440, 9312), (441, 9318), (475, 9387), (497, 9447), (507, 9492), (545, 9618), (546, 9621), (558, 9672), (559, 9678), (564, 9693), (575, 9723), (602, 9813), (613, 9849), (620, 9879), (633, 9909),

Gene: Lockley_12 Start: 8622, Stop: 10064, Start Num: 109

Candidate Starts for Lockley_12:

(64, 8556), (Start: 109 @8622 has 196 MA's), (183, 8820), (265, 9033), (394, 9228), (399, 9240), (432, 9339), (509, 9534), (521, 9573), (545, 9651), (547, 9657), (557, 9702), (558, 9705), (561, 9717), (564, 9726), (580, 9759), (592, 9816), (620, 9906), (635, 9939), (644, 9951),

Gene: Lolk_16 Start: 10919, Stop: 12376, Start Num: 74

Candidate Starts for Lolk_16:

(Start: 74 @10919 has 580 MA's), (121, 10979), (Start: 128 @11003 has 1 MA's), (156, 11072), (160, 11084), (229, 11294), (244, 11321), (265, 11366), (320, 11459), (399, 11555), (426, 11627), (432, 11654), (434, 11660), (440, 11681), (455, 11732), (558, 12026), (563, 12044), (569, 12062), (575, 12074), (580, 12083), (602, 12164), (604, 12170), (613, 12200), (615, 12212), (620, 12230), (633, 12260),

Gene: Lollipop1437_30 Start: 15534, Stop: 17117, Start Num: 70

Candidate Starts for Lollipop1437_30:

(Start: 70 @15534 has 5 MA's), (Start: 76 @15543 has 71 MA's), (121, 15621), (210, 15888), (254, 16002), (419, 16272), (441, 16356), (445, 16371), (450, 16386), (486, 16467), (522, 16608), (553, 16707), (558, 16731), (560, 16740), (584, 16800), (601, 16866), (607, 16884), (609, 16893), (621, 16938),

Gene: Lolly9_6 Start: 2762, Stop: 4405, Start Num: 74

Candidate Starts for Lolly9_6:

(Start: 74 @2762 has 580 MA's), (118, 2822), (175, 2963), (178, 2972), (185, 3002), (210, 3074), (228, 3140), (257, 3188), (318, 3281), (341, 3320), (390, 3377), (394, 3383), (399, 3395), (406, 3410), (411, 3419), (418, 3434), (492, 3623), (502, 3656), (510, 3695), (522, 3737), (582, 3920), (591, 3962), (598, 3989), (601, 3998), (617, 4058), (633, 4088), (638, 4097), (681, 4172), (697, 4205),

Gene: London_3 Start: 2266, Stop: 3642, Start Num: 99

Candidate Starts for London_3:

(Start: 99 @2266 has 43 MA's), (Start: 149 @2386 has 2 MA's), (185, 2485), (310, 2749), (449, 3022), (515, 3181), (534, 3229), (540, 3259), (548, 3283), (598, 3457), (647, 3577),

Gene: LoneWolf_14 Start: 9740, Stop: 11221, Start Num: 74

Candidate Starts for LoneWolf_14:

(Start: 74 @9740 has 580 MA's), (121, 9803), (160, 9908), (202, 10022), (229, 10118), (265, 10190), (278, 10223), (394, 10367), (411, 10403), (415, 10412), (426, 10451), (432, 10478), (434, 10484), (439, 10502), (440, 10505), (455, 10556), (479, 10580), (487, 10595), (558, 10850), (563, 10868), (575, 10898), (580, 10907), (611, 11018), (613, 11024), (620, 11054), (645, 11099), (651, 11108),

Gene: Loofah_8 Start: 3938, Stop: 5407, Start Num: 102

Candidate Starts for Loofah_8:

(Start: 102 @3938 has 236 MA's), (Start: 149 @4055 has 2 MA's), (172, 4103), (175, 4115), (185, 4154), (210, 4247), (295, 4412), (298, 4418), (423, 4625), (443, 4700), (448, 4718), (452, 4730), (454, 4736), (456, 4742), (498, 4883), (509, 4934), (511, 4940), (536, 5009), (547, 5054), (563, 5120), (585, 5177), (609, 5267), (622, 5309), (681, 5393),

Gene: Looper_16 Start: 8380, Stop: 9840, Start Num: 74

Candidate Starts for Looper_16:

(Start: 74 @8380 has 580 MA's), (121, 8440), (160, 8545), (184, 8611), (248, 8794), (265, 8827), (278, 8860), (426, 9091), (432, 9118), (434, 9124), (440, 9145), (445, 9166), (455, 9196), (479, 9220), (507, 9310), (515, 9340), (545, 9436), (552, 9463), (558, 9490), (563, 9508), (564, 9511), (575, 9544), (580, 9553), (613, 9670), (620, 9700), (651, 9754),

Gene: Lopton_13 Start: 10050, Stop: 11492, Start Num: 109

Candidate Starts for Lopton_13:

(64, 9984), (Start: 109 @10050 has 196 MA's), (183, 10248), (265, 10461), (394, 10656), (395, 10659), (432, 10767), (453, 10839), (509, 10962), (521, 11001), (545, 11079), (547, 11085), (558, 11133), (561, 11145), (564, 11154), (592, 11244), (620, 11334), (635, 11367), (644, 11379),

Gene: Lorde_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Lorde_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Lorelei_7 Start: 4047, Stop: 5489, Start Num: 96

Candidate Starts for Lorelei_7:

(Start: 96 @4047 has 4 MA's), (Start: 102 @4053 has 236 MA's), (117, 4077), (125, 4101), (Start: 149 @4170 has 2 MA's), (172, 4218), (175, 4230), (185, 4269), (228, 4422), (253, 4452), (298, 4536), (326, 4578), (373, 4644), (419, 4734), (423, 4746), (443, 4821), (448, 4839), (483, 4917), (498, 4962), (511, 5019), (578, 5232), (585, 5256), (622, 5388), (681, 5475),

Gene: Lorenzo_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Lorenzo_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Loser_16 Start: 10998, Stop: 12458, Start Num: 74

Candidate Starts for Loser_16:

(Start: 74 @10998 has 580 MA's), (Start: 108 @11028 has 17 MA's), (121, 11058), (156, 11151), (160, 11163), (265, 11445), (394, 11622), (398, 11631), (426, 11706), (432, 11733), (434, 11739), (440, 11760), (479, 11835), (558, 12105), (563, 12123), (564, 12126), (569, 12141), (575, 12153), (580, 12162), (613, 12279), (620, 12309), (633, 12339), (651, 12363),

Gene: Louie6_14 Start: 8741, Stop: 10195, Start Num: 74

Candidate Starts for Louie6_14:

(Start: 74 @8741 has 580 MA's), (Start: 110 @8771 has 2 MA's), (121, 8798), (160, 8903), (202, 9017), (221, 9083), (244, 9140), (278, 9218), (279, 9221), (394, 9362), (432, 9473), (434, 9479), (440, 9500), (507, 9665), (545, 9791), (558, 9845), (559, 9851), (564, 9866), (580, 9902), (604, 9989), (613, 10019), (620, 10049), (645, 10094), (652, 10103),

Gene: Lozinak_31 Start: 10444, Stop: 12060, Start Num: 62

Candidate Starts for Lozinak_31:

(Start: 62 @10444 has 16 MA's), (Start: 97 @10495 has 14 MA's), (104, 10504), (Start: 128 @10564 has 1 MA's), (148, 10621), (166, 10657), (181, 10702), (187, 10729), (265, 10933), (276, 10963), (296,

10999), (331, 11044), (345, 11053), (352, 11068), (421, 11206), (422, 11209), (427, 11227), (428, 11233), (440, 11275), (494, 11467), (515, 11554), (524, 11584), (539, 11629), (553, 11677), (555, 11692), (582, 11755), (587, 11779), (588, 11785), (590, 11794), (612, 11863), (629, 11914), (631, 11917), (638, 11929),

Gene: Luchador_13 Start: 9300, Stop: 10760, Start Num: 74

Candidate Starts for Luchador_13:

(Start: 74 @9300 has 580 MA's), (89, 9312), (121, 9360), (160, 9465), (169, 9477), (185, 9534), (265, 9747), (395, 9927), (426, 10008), (432, 10035), (434, 10041), (439, 10059), (440, 10062), (445, 10083), (455, 10113), (477, 10134), (487, 10152), (504, 10215), (521, 10275), (558, 10407), (564, 10428), (575, 10455), (580, 10464), (593, 10524), (613, 10581), (620, 10611), (633, 10641), (651, 10665),

Gene: Lucivia_13 Start: 9833, Stop: 11290, Start Num: 74

Candidate Starts for Lucivia_13:

(Start: 74 @9833 has 580 MA's), (116, 9878), (121, 9893), (160, 9998), (265, 10280), (278, 10313), (399, 10469), (426, 10541), (432, 10568), (434, 10574), (440, 10595), (455, 10646), (551, 10910), (558, 10940), (564, 10961), (569, 10976), (575, 10988), (580, 10997), (604, 11084), (613, 11114), (620, 11144), (633, 11174), (679, 11240),

Gene: Lucyedi_14 Start: 9278, Stop: 10750, Start Num: 74

Candidate Starts for Lucyedi_14:

(Start: 74 @9278 has 580 MA's), (121, 9338), (152, 9425), (156, 9431), (160, 9443), (265, 9725), (278, 9758), (394, 9902), (398, 9911), (426, 9986), (431, 10010), (432, 10013), (434, 10019), (440, 10040), (558, 10385), (563, 10403), (564, 10406), (575, 10433), (580, 10442), (613, 10559), (620, 10589), (633, 10619), (645, 10634), (651, 10643), (690, 10703),

Gene: LugYA_16 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for LugYA_16:

(Start: 74 @8652 has 580 MA's), (Start: 110 @8682 has 2 MA's), (121, 8709), (160, 8814), (202, 8928), (221, 8994), (244, 9051), (278, 9129), (279, 9132), (394, 9273), (432, 9384), (434, 9390), (440, 9411), (507, 9576), (545, 9702), (558, 9756), (559, 9762), (564, 9777), (580, 9813), (604, 9900), (613, 9930), (620, 9960), (645, 10005), (652, 10014),

Gene: Lumos_6 Start: 2756, Stop: 4399, Start Num: 74

Candidate Starts for Lumos_6:

(Start: 74 @2756 has 580 MA's), (118, 2816), (178, 2966), (185, 2996), (210, 3068), (228, 3134), (257, 3182), (318, 3275), (341, 3314), (406, 3404), (411, 3413), (418, 3428), (492, 3617), (502, 3650), (510, 3689), (522, 3731), (582, 3914), (591, 3956), (598, 3983), (601, 3992), (617, 4052), (633, 4082), (638, 4091), (681, 4166), (697, 4199),

Gene: LunaBlu_3 Start: 2239, Stop: 3597, Start Num: 102

Candidate Starts for LunaBlu_3:

(Start: 102 @2239 has 236 MA's), (Start: 119 @2272 has 2 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (176, 2419), (177, 2422), (178, 2425), (198, 2494), (201, 2500), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (273, 2671), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (576, 3385), (580, 3391), (587, 3415), (631, 3559),

Gene: Lunahalos_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Lunahalos_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Lunsford_13 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Lunsford_13:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: MA5_12 Start: 7793, Stop: 9259, Start Num: 76

Candidate Starts for MA5_12:

(Start: 76 @7793 has 71 MA's), (112, 7838), (160, 7964), (189, 8048), (211, 8111), (221, 8144), (224, 8162), (244, 8201), (390, 8417), (426, 8507), (431, 8531), (432, 8534), (434, 8540), (440, 8561), (441, 8567), (507, 8738), (545, 8864), (546, 8867), (558, 8918), (559, 8924), (564, 8939), (575, 8969), (613, 9095), (620, 9125), (635, 9155),

Gene: MAckerman_5 Start: 2625, Stop: 4298, Start Num: 74

Candidate Starts for MAckerman_5:

(Start: 74 @2625 has 580 MA's), (121, 2688), (147, 2766), (178, 2835), (183, 2859), (210, 2937), (220, 2973), (265, 3066), (267, 3069), (318, 3144), (341, 3183), (394, 3246), (406, 3273), (407, 3276), (418, 3297), (424, 3318), (435, 3360), (436, 3363), (485, 3465), (490, 3480), (492, 3486), (513, 3567), (521, 3594), (522, 3600), (551, 3693), (557, 3720), (559, 3729), (582, 3783), (586, 3804), (591, 3825), (598, 3852), (601, 3861), (617, 3921), (633, 3951), (638, 3960), (697, 4068), (718, 4263),

Gene: MK4_12 Start: 8064, Stop: 9530, Start Num: 76

Candidate Starts for MK4_12:

(Start: 76 @8064 has 71 MA's), (112, 8109), (160, 8235), (189, 8319), (211, 8382), (221, 8415), (224, 8433), (244, 8472), (256, 8499), (390, 8688), (426, 8778), (431, 8802), (432, 8805), (434, 8811), (440, 8832), (441, 8838), (507, 9009), (545, 9135), (546, 9138), (558, 9189), (559, 9195), (564, 9210), (575, 9240), (613, 9366), (620, 9396), (635, 9426),

Gene: MPlant7149_11 Start: 8260, Stop: 9702, Start Num: 109

Candidate Starts for MPlant7149_11:

(64, 8194), (Start: 109 @8260 has 196 MA's), (183, 8458), (265, 8671), (394, 8866), (395, 8869), (432, 8977), (453, 9049), (509, 9172), (521, 9211), (545, 9289), (547, 9295), (558, 9343), (561, 9355), (564, 9364), (592, 9454), (620, 9544), (635, 9577), (644, 9589),

Gene: MaCh_13 Start: 9781, Stop: 11238, Start Num: 74

Candidate Starts for MaCh_13:

(Start: 74 @9781 has 580 MA's), (116, 9826), (121, 9841), (160, 9946), (265, 10228), (278, 10261), (399, 10417), (426, 10489), (432, 10516), (434, 10522), (440, 10543), (455, 10594), (551, 10858), (558, 10888), (564, 10909), (569, 10924), (575, 10936), (580, 10945), (604, 11032), (613, 11062), (620, 11092), (633, 11122), (679, 11188),

Gene: MaGuCo_3 Start: 2290, Stop: 3672, Start Num: 97

Candidate Starts for MaGuCo_3:

(Start: 97 @2290 has 14 MA's), (Start: 102 @2296 has 236 MA's), (111, 2311), (135, 2374), (Start: 149 @2413 has 2 MA's), (330, 2800), (431, 2986), (507, 3175), (515, 3205), (521, 3223), (534, 3253),

(540, 3283), (594, 3472), (598, 3481),

Gene: Mabel_13 Start: 9848, Stop: 11305, Start Num: 74

Candidate Starts for Mabel_13:

(Start: 74 @9848 has 580 MA's), (116, 9893), (121, 9908), (160, 10013), (265, 10295), (278, 10328), (399, 10484), (426, 10556), (432, 10583), (434, 10589), (440, 10610), (455, 10661), (551, 10925), (558, 10955), (564, 10976), (569, 10991), (575, 11003), (580, 11012), (604, 11099), (613, 11129), (620, 11159), (633, 11189), (679, 11255),

Gene: Mabodamaca_3 Start: 2378, Stop: 3763, Start Num: 99

Candidate Starts for Mabodamaca_3:

(Start: 99 @2378 has 43 MA's), (Start: 149 @2498 has 2 MA's), (185, 2597), (215, 2687), (253, 2756), (299, 2840), (430, 3059), (452, 3134), (487, 3194), (527, 3335), (540, 3377), (594, 3560), (598, 3569), (601, 3578), (676, 3731),

Gene: MacGully_33 Start: 15830, Stop: 17416, Start Num: 71

Candidate Starts for MacGully_33:

(Start: 71 @15830 has 30 MA's), (Start: 76 @15839 has 71 MA's), (Start: 119 @15911 has 2 MA's), (210, 16184), (211, 16190), (219, 16217), (255, 16301), (259, 16310), (264, 16319), (267, 16325), (268, 16328), (292, 16385), (348, 16442), (403, 16526), (421, 16568), (441, 16643), (450, 16673), (493, 16778), (500, 16805), (509, 16850), (522, 16895), (553, 16994), (558, 17018), (560, 17027), (570, 17051), (607, 17174), (615, 17207), (672, 17321),

Gene: MacnCheese_9 Start: 3139, Stop: 4695, Start Num: 47

Candidate Starts for MacnCheese_9:

(Start: 42 @3124 has 24 MA's), (Start: 47 @3139 has 130 MA's), (117, 3232), (121, 3241), (158, 3346), (174, 3379), (178, 3391), (210, 3490), (215, 3511), (220, 3526), (226, 3553), (265, 3604), (269, 3613), (274, 3628), (317, 3703), (322, 3718), (326, 3724), (343, 3757), (394, 3853), (399, 3865), (415, 3898), (418, 3904), (426, 3931), (444, 4003), (482, 4036), (489, 4054), (508, 4132), (512, 4144), (513, 4147), (517, 4162), (525, 4189), (544, 4243), (546, 4249), (557, 4297), (563, 4318), (601, 4438), (609, 4465), (612, 4474), (624, 4510),

Gene: MadMarie_14 Start: 8656, Stop: 10110, Start Num: 74

Candidate Starts for MadMarie_14:

(Start: 74 @8656 has 580 MA's), (Start: 110 @8686 has 2 MA's), (121, 8713), (160, 8818), (202, 8932), (221, 8998), (244, 9055), (278, 9133), (279, 9136), (394, 9277), (432, 9388), (434, 9394), (440, 9415), (507, 9580), (545, 9706), (558, 9760), (559, 9766), (564, 9781), (580, 9817), (604, 9904), (613, 9934), (620, 9964), (645, 10009), (652, 10018),

Gene: MadMen_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for MadMen_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (642, 3593),

Gene: Madiba_4 Start: 2198, Stop: 3619, Start Num: 101

Candidate Starts for Madiba_4:

(Start: 101 @2198 has 52 MA's), (116, 2225), (121, 2237), (172, 2366), (177, 2384), (185, 2417), (210, 2486), (220, 2522), (224, 2543), (226, 2549), (253, 2573), (254, 2576), (285, 2651), (289, 2657), (308, 2684), (319, 2702), (339, 2744), (367, 2795), (378, 2813), (394, 2846), (398, 2855), (399, 2858), (420,

2906), (423, 2915), (430, 2945), (436, 2963), (444, 2996), (490, 3053), (512, 3137), (517, 3155), (525, 3182), (532, 3194), (534, 3197), (536, 3203), (537, 3218), (548, 3251), (582, 3356), (601, 3431), (603, 3437), (606, 3446), (608, 3455), (612, 3467), (638, 3530), (666, 3578),

Gene: Magnar_12 Start: 8408, Stop: 9850, Start Num: 109

Candidate Starts for Magnar_12:

(64, 8342), (Start: 109 @8408 has 196 MA's), (183, 8606), (265, 8819), (394, 9014), (432, 9125), (509, 9320), (521, 9359), (545, 9437), (547, 9443), (558, 9491), (561, 9503), (564, 9512), (592, 9602), (620, 9692), (635, 9725), (644, 9737),

Gene: Magnito_11 Start: 8159, Stop: 9601, Start Num: 109

Candidate Starts for Magnito_11:

(64, 8093), (Start: 109 @8159 has 196 MA's), (183, 8357), (265, 8570), (394, 8765), (399, 8777), (432, 8876), (453, 8948), (509, 9071), (521, 9110), (545, 9188), (547, 9194), (558, 9242), (561, 9254), (564, 9263), (592, 9353), (620, 9443), (635, 9476), (644, 9488),

Gene: Mahavrat_3 Start: 2239, Stop: 3597, Start Num: 102

Candidate Starts for Mahavrat_3:

(Start: 102 @2239 has 236 MA's), (Start: 119 @2272 has 2 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (176, 2419), (177, 2422), (178, 2425), (198, 2494), (201, 2500), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (273, 2671), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (576, 3385), (580, 3391), (587, 3415), (631, 3559),

Gene: Mainiac_14 Start: 8647, Stop: 10101, Start Num: 74

Candidate Starts for Mainiac_14:

(Start: 74 @8647 has 580 MA's), (Start: 110 @8677 has 2 MA's), (121, 8704), (160, 8809), (202, 8923), (221, 8989), (244, 9046), (278, 9124), (279, 9127), (394, 9268), (432, 9379), (434, 9385), (440, 9406), (507, 9571), (545, 9697), (558, 9751), (559, 9757), (564, 9772), (580, 9808), (604, 9895), (613, 9925), (620, 9955), (645, 10000), (652, 10009),

Gene: Makemake_12 Start: 9892, Stop: 11334, Start Num: 109

Candidate Starts for Makemake_12:

(64, 9826), (Start: 109 @9892 has 196 MA's), (183, 10090), (265, 10303), (394, 10498), (395, 10501), (399, 10510), (432, 10609), (453, 10681), (509, 10804), (521, 10843), (545, 10921), (547, 10927), (557, 10972), (558, 10975), (561, 10987), (564, 10996), (592, 11086), (620, 11176), (635, 11209), (644, 11221),

Gene: MalagasyRose_8 Start: 3844, Stop: 5301, Start Num: 77

Candidate Starts for MalagasyRose_8:

(Start: 77 @3844 has 1 MA's), (Start: 99 @3871 has 43 MA's), (Start: 101 @3874 has 52 MA's), (140, 3973), (144, 3976), (178, 4051), (180, 4060), (183, 4075), (185, 4081), (205, 4129), (210, 4150), (219, 4183), (220, 4186), (228, 4216), (230, 4225), (251, 4261), (269, 4300), (295, 4360), (315, 4390), (326, 4414), (339, 4438), (351, 4453), (360, 4471), (394, 4528), (398, 4537), (399, 4540), (417, 4579), (418, 4582), (431, 4633), (436, 4648), (445, 4684), (508, 4813), (521, 4855), (528, 4876), (535, 4888), (549, 4951), (551, 4957), (594, 5107), (598, 5116), (609, 5152), (632, 5218), (637, 5227), (667, 5278),

Gene: Malec_14 Start: 9495, Stop: 10958, Start Num: 74

Candidate Starts for Malec_14:

(Start: 74 @9495 has 580 MA's), (121, 9555), (156, 9648), (160, 9660), (265, 9942), (395, 10122), (399, 10131), (426, 10203), (432, 10230), (434, 10236), (440, 10257), (525, 10485), (558, 10602),

(563, 10620), (564, 10623), (575, 10650), (580, 10659), (613, 10776), (620, 10806), (633, 10836), (651, 10860),

Gene: Malinsilva_16 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for Malinsilva_16:

(Start: 74 @8646 has 580 MA's), (Start: 110 @8676 has 2 MA's), (121, 8703), (160, 8808), (202, 8922), (221, 8988), (244, 9045), (278, 9123), (279, 9126), (394, 9267), (432, 9378), (434, 9384), (440, 9405), (507, 9570), (545, 9696), (558, 9750), (559, 9756), (564, 9771), (580, 9807), (604, 9894), (613, 9924), (620, 9954), (645, 9999), (652, 10008),

Gene: Malthus_10 Start: 3922, Stop: 5508, Start Num: 45

Candidate Starts for Malthus_10:

(Start: 42 @3907 has 24 MA's), (Start: 45 @3922 has 26 MA's), (56, 3946), (104, 4012), (124, 4057), (Start: 149 @4129 has 2 MA's), (174, 4186), (177, 4195), (178, 4198), (185, 4228), (210, 4297), (215, 4318), (224, 4354), (226, 4360), (253, 4384), (269, 4420), (274, 4435), (292, 4474), (370, 4609), (376, 4618), (385, 4636), (398, 4663), (399, 4666), (415, 4699), (426, 4732), (430, 4753), (437, 4774), (482, 4837), (490, 4861), (498, 4885), (508, 4933), (512, 4945), (515, 4957), (517, 4963), (532, 5002), (561, 5116), (563, 5122), (601, 5293), (609, 5320), (612, 5329), (635, 5392), (642, 5404),

Gene: Maminiaina_14 Start: 9663, Stop: 11144, Start Num: 74

Candidate Starts for Maminiaina_14:

(Start: 74 @9663 has 580 MA's), (121, 9726), (160, 9831), (202, 9945), (229, 10041), (265, 10113), (278, 10146), (394, 10290), (426, 10374), (432, 10401), (434, 10407), (440, 10428), (487, 10518), (558, 10773), (563, 10791), (575, 10821), (580, 10830), (611, 10941), (613, 10947), (620, 10977), (645, 11022), (651, 11031),

Gene: Manatee_13 Start: 8692, Stop: 10134, Start Num: 109

Candidate Starts for Manatee_13:

(64, 8626), (Start: 109 @8692 has 196 MA's), (183, 8890), (265, 9103), (394, 9298), (399, 9310), (432, 9409), (453, 9481), (509, 9604), (521, 9643), (545, 9721), (547, 9727), (558, 9775), (561, 9787), (564, 9796), (592, 9886), (620, 9976), (635, 10009), (644, 10021),

Gene: Mandlovu_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Mandlovu_3:

(Start: 102 @2240 has 236 MA's), (Start: 119 @2273 has 2 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (176, 2420), (177, 2423), (178, 2426), (198, 2495), (201, 2501), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: Maneekul_7 Start: 4052, Stop: 5494, Start Num: 96

Candidate Starts for Maneekul_7:

(Start: 96 @4052 has 4 MA's), (Start: 102 @4058 has 236 MA's), (117, 4082), (125, 4106), (Start: 149 @4175 has 2 MA's), (172, 4223), (175, 4235), (185, 4274), (228, 4427), (253, 4457), (298, 4541), (326, 4583), (369, 4643), (373, 4649), (419, 4739), (423, 4751), (443, 4826), (448, 4844), (483, 4922), (498, 4967), (511, 5024), (578, 5237), (585, 5261), (622, 5393), (681, 5480),

Gene: Mantra_3 Start: 2315, Stop: 3625, Start Num: 128

Candidate Starts for Mantra_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549),

(212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (515, 3209), (522, 3233), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (642, 3593),

Gene: Manu_15 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Manu_15:

(Start: 74 @8726 has 580 MA's), (Start: 110 @8756 has 2 MA's), (121, 8783), (160, 8888), (202, 9002), (221, 9068), (244, 9125), (278, 9203), (279, 9206), (394, 9347), (432, 9458), (434, 9464), (440, 9485), (507, 9650), (545, 9776), (558, 9830), (559, 9836), (564, 9851), (580, 9887), (604, 9974), (613, 10004), (620, 10034), (645, 10079), (652, 10088),

Gene: MarQuardt_14 Start: 8655, Stop: 10109, Start Num: 74

Candidate Starts for MarQuardt_14:

(Start: 74 @8655 has 580 MA's), (Start: 110 @8685 has 2 MA's), (121, 8712), (160, 8817), (202, 8931), (221, 8997), (244, 9054), (278, 9132), (279, 9135), (394, 9276), (432, 9387), (434, 9393), (440, 9414), (507, 9579), (545, 9705), (558, 9759), (559, 9765), (564, 9780), (580, 9816), (604, 9903), (613, 9933), (620, 9963), (645, 10008), (652, 10017),

Gene: Marav_10 Start: 4776, Stop: 6257, Start Num: 102

Candidate Starts for Marav_10:

(Start: 102 @4776 has 236 MA's), (Start: 149 @4893 has 2 MA's), (172, 4941), (175, 4953), (185, 4992), (215, 5106), (298, 5256), (326, 5298), (341, 5325), (420, 5454), (423, 5463), (434, 5505), (443, 5538), (448, 5556), (454, 5574), (457, 5583), (477, 5664), (491, 5700), (498, 5721), (509, 5772), (511, 5778), (563, 5958), (585, 6015), (609, 6105), (612, 6114), (681, 6243),

Gene: Maravista_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Maravista_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (631, 3560),

Gene: Marcell_12 Start: 8619, Stop: 10061, Start Num: 109

Candidate Starts for Marcell_12:

(64, 8553), (Start: 109 @8619 has 196 MA's), (183, 8817), (265, 9030), (394, 9225), (399, 9237), (432, 9336), (509, 9531), (521, 9570), (545, 9648), (547, 9654), (558, 9702), (561, 9714), (564, 9723), (592, 9813), (620, 9903), (635, 9936), (644, 9948),

Gene: Marchy_10 Start: 8246, Stop: 9688, Start Num: 109

Candidate Starts for Marchy_10:

(64, 8180), (Start: 109 @8246 has 196 MA's), (183, 8444), (265, 8657), (270, 8669), (278, 8693), (394, 8852), (399, 8864), (432, 8963), (509, 9158), (521, 9197), (545, 9275), (547, 9281), (558, 9329), (561, 9341), (564, 9350), (592, 9440), (620, 9530), (635, 9563), (644, 9575),

Gene: Marcoliusprime_5 Start: 2088, Stop: 3593, Start Num: 45

Candidate Starts for Marcoliusprime_5:

(Start: 45 @2088 has 26 MA's), (89, 2133), (104, 2154), (121, 2190), (Start: 149 @2271 has 2 MA's), (174, 2328), (178, 2340), (183, 2364), (185, 2370), (206, 2421), (210, 2439), (215, 2460), (224, 2496), (226, 2502), (269, 2562), (317, 2652), (326, 2673), (341, 2700), (364, 2742), (365, 2748), (376, 2766), (399, 2814), (415, 2847), (418, 2853), (430, 2901), (437, 2922), (444, 2952), (482, 2985), (489, 3003),

(490, 3009), (498, 3033), (512, 3093), (515, 3105), (517, 3111), (532, 3150), (563, 3270), (582, 3312), (608, 3411), (609, 3414), (612, 3423), (628, 3474), (660, 3519), (696, 3570),

Gene: Marge_13 Start: 9142, Stop: 10584, Start Num: 109

Candidate Starts for Marge_13:

(64, 9076), (Start: 109 @9142 has 196 MA's), (183, 9340), (265, 9553), (394, 9748), (432, 9859), (509, 10054), (521, 10093), (545, 10171), (547, 10177), (558, 10225), (561, 10237), (564, 10246), (592, 10336), (620, 10426), (635, 10459), (644, 10471),

Gene: Margo_13 Start: 8763, Stop: 10232, Start Num: 74

Candidate Starts for Margo_13:

(Start: 74 @8763 has 580 MA's), (112, 8802), (160, 8928), (189, 9012), (211, 9075), (221, 9108), (224, 9126), (244, 9165), (256, 9192), (278, 9243), (385, 9369), (390, 9381), (398, 9396), (399, 9399), (426, 9471), (431, 9495), (432, 9498), (434, 9504), (440, 9525), (441, 9531), (448, 9555), (475, 9597), (507, 9702), (545, 9828), (546, 9831), (558, 9882), (559, 9888), (564, 9903), (575, 9933), (613, 10059), (620, 10089), (635, 10119),

Gene: Marie_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for Marie_14:

(Start: 74 @8652 has 580 MA's), (Start: 110 @8682 has 2 MA's), (121, 8709), (160, 8814), (202, 8928), (221, 8994), (244, 9051), (278, 9129), (279, 9132), (394, 9273), (432, 9384), (434, 9390), (440, 9411), (507, 9576), (545, 9702), (558, 9756), (559, 9762), (564, 9777), (580, 9813), (604, 9900), (613, 9930), (620, 9960), (645, 10005), (652, 10014),

Gene: Marietta_27 Start: 12175, Stop: 13752, Start Num: 71

Candidate Starts for Marietta_27:

(Start: 44 @12130 has 6 MA's), (Start: 71 @12175 has 30 MA's), (94, 12208), (224, 12586), (371, 12814), (397, 12859), (441, 12991), (450, 13021), (509, 13198), (518, 13228), (522, 13243), (558, 13366), (560, 13375), (575, 13411), (584, 13435), (607, 13519), (609, 13528), (621, 13573),

Gene: Marius_15 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Marius_15:

(Start: 74 @8726 has 580 MA's), (Start: 110 @8756 has 2 MA's), (121, 8783), (160, 8888), (202, 9002), (221, 9068), (244, 9125), (278, 9203), (279, 9206), (394, 9347), (432, 9458), (434, 9464), (440, 9485), (487, 9575), (507, 9650), (545, 9776), (558, 9830), (559, 9836), (564, 9851), (580, 9887), (604, 9974), (613, 10004), (620, 10034), (645, 10079), (652, 10088),

Gene: MarkPhew_8 Start: 2868, Stop: 4424, Start Num: 47

Candidate Starts for MarkPhew_8:

(33, 2763), (Start: 42 @2853 has 24 MA's), (Start: 47 @2868 has 130 MA's), (Start: 71 @2904 has 30 MA's), (89, 2922), (121, 2979), (124, 2988), (Start: 149 @3060 has 2 MA's), (158, 3084), (169, 3102), (174, 3117), (177, 3126), (215, 3249), (220, 3264), (225, 3288), (226, 3291), (274, 3369), (292, 3408), (326, 3465), (365, 3540), (376, 3558), (394, 3594), (398, 3603), (415, 3639), (426, 3672), (430, 3693), (437, 3714), (482, 3777), (489, 3795), (508, 3873), (512, 3885), (513, 3888), (516, 3900), (517, 3903), (557, 4035), (563, 4056), (570, 4077), (582, 4098), (590, 4137), (592, 4149), (593, 4152), (608, 4197), (609, 4200), (612, 4209), (624, 4245),

Gene: Marker_4 Start: 2198, Stop: 3619, Start Num: 101

Candidate Starts for Marker_4:

(Start: 101 @2198 has 52 MA's), (116, 2225), (121, 2237), (172, 2366), (177, 2384), (185, 2417), (210, 2486), (220, 2522), (224, 2543), (226, 2549), (253, 2573), (254, 2576), (285, 2651), (289, 2657), (308, 2684), (319, 2702), (339, 2744), (367, 2795), (378, 2813), (394, 2846), (398, 2855), (399, 2858), (420, 2906), (423, 2915), (430, 2945), (436, 2963), (444, 2996), (490, 3053), (512, 3137), (517, 3155), (525,

3182), (532, 3194), (534, 3197), (536, 3203), (537, 3218), (548, 3251), (582, 3356), (601, 3431), (603, 3437), (606, 3446), (608, 3455), (612, 3467), (638, 3530), (666, 3578),

Gene: Maroc7_11 Start: 8432, Stop: 9874, Start Num: 109

Candidate Starts for Maroc7_11:

(64, 8366), (Start: 109 @8432 has 196 MA's), (183, 8630), (265, 8843), (394, 9038), (399, 9050), (432, 9149), (509, 9344), (521, 9383), (545, 9461), (547, 9467), (558, 9515), (561, 9527), (564, 9536), (592, 9626), (620, 9716), (635, 9749), (644, 9761),

Gene: Marsha_12 Start: 8876, Stop: 10318, Start Num: 109

Candidate Starts for Marsha_12:

(64, 8810), (Start: 109 @8876 has 196 MA's), (160, 9011), (183, 9074), (265, 9287), (394, 9482), (399, 9494), (432, 9593), (509, 9788), (521, 9827), (545, 9905), (547, 9911), (558, 9959), (561, 9971), (564, 9980), (592, 10070), (620, 10160), (635, 10193), (644, 10205),

Gene: Marshawn_10 Start: 3463, Stop: 5013, Start Num: 47

Candidate Starts for Marshawn_10:

(31, 3331), (33, 3358), (Start: 42 @3448 has 24 MA's), (Start: 47 @3463 has 130 MA's), (49, 3472), (90, 3523), (121, 3577), (143, 3649), (Start: 149 @3658 has 2 MA's), (158, 3682), (174, 3715), (177, 3724), (210, 3826), (215, 3847), (220, 3862), (226, 3889), (232, 3901), (274, 3967), (292, 4006), (326, 4063), (364, 4132), (376, 4156), (398, 4201), (399, 4204), (415, 4237), (426, 4270), (430, 4291), (437, 4312), (482, 4375), (489, 4393), (490, 4399), (504, 4453), (508, 4471), (512, 4483), (517, 4501), (525, 4528), (558, 4636), (563, 4654), (590, 4735), (593, 4750), (601, 4771), (608, 4795), (609, 4798), (612, 4807), (624, 4843),

Gene: Martik_3 Start: 2241, Stop: 3611, Start Num: 102

Candidate Starts for Martik_3:

(Start: 102 @2241 has 236 MA's), (Start: 120 @2277 has 8 MA's), (Start: 128 @2301 has 1 MA's), (132, 2310), (134, 2316), (135, 2319), (148, 2358), (177, 2424), (178, 2427), (198, 2496), (210, 2535), (212, 2544), (227, 2592), (265, 2652), (285, 2700), (320, 2745), (380, 2790), (391, 2817), (413, 2862), (421, 2883), (422, 2886), (423, 2889), (428, 2910), (430, 2919), (444, 2970), (445, 2973), (448, 2982), (459, 3012), (467, 3033), (493, 3102), (496, 3111), (506, 3162), (507, 3165), (524, 3225), (526, 3231), (550, 3309), (558, 3342), (561, 3354), (580, 3393), (587, 3417), (642, 3579),

Gene: MaryBeth_12 Start: 8854, Stop: 10296, Start Num: 109

Candidate Starts for MaryBeth_12:

(64, 8788), (Start: 109 @8854 has 196 MA's), (183, 9052), (265, 9265), (394, 9460), (399, 9472), (432, 9571), (509, 9766), (521, 9805), (545, 9883), (547, 9889), (558, 9937), (561, 9949), (564, 9958), (592, 10048), (620, 10138), (635, 10171), (644, 10183),

Gene: MaryV_27 Start: 9704, Stop: 11143, Start Num: 79

Candidate Starts for MaryV_27:

(57, 9671), (73, 9695), (Start: 79 @9704 has 5 MA's), (114, 9755), (121, 9767), (125, 9779), (175, 9911), (177, 9917), (178, 9920), (179, 9923), (183, 9944), (185, 9950), (209, 10010), (210, 10019), (215, 10040), (247, 10118), (385, 10298), (399, 10328), (407, 10346), (415, 10361), (424, 10388), (432, 10421), (436, 10433), (437, 10436), (449, 10481), (482, 10517), (490, 10538), (506, 10601), (521, 10652), (545, 10724), (558, 10778), (560, 10787), (588, 10868), (594, 10898), (608, 10940), (615, 10967), (640, 11018), (646, 11027), (684, 11084), (700, 11123),

Gene: MarysWell_9 Start: 7907, Stop: 9340, Start Num: 76

Candidate Starts for MarysWell_9:

(Start: 76 @7907 has 71 MA's), (156, 8042), (173, 8075), (177, 8090), (179, 8096), (229, 8264), (244, 8291), (278, 8369), (344, 8450), (398, 8522), (399, 8525), (426, 8597), (434, 8630), (440, 8651), (448,

8681), (453, 8696), (479, 8726), (545, 8942), (558, 8996), (563, 9014), (580, 9053), (613, 9170), (620, 9200), (633, 9230), (652, 9254),

Gene: Maselop_29 Start: 15885, Stop: 17474, Start Num: 66

Candidate Starts for Maselop_29:

(50, 15858), (Start: 66 @15885 has 7 MA's), (Start: 71 @15891 has 30 MA's), (Start: 76 @15900 has 71 MA's), (89, 15918), (90, 15921), (121, 15978), (153, 16071), (210, 16245), (211, 16251), (259, 16371), (292, 16446), (298, 16455), (348, 16503), (436, 16683), (441, 16704), (446, 16722), (450, 16734), (493, 16839), (500, 16866), (509, 16911), (513, 16923), (522, 16956), (548, 17034), (553, 17055), (558, 17079), (560, 17088), (570, 17112), (607, 17232), (609, 17241), (615, 17265),

Gene: Mattes_3 Start: 2276, Stop: 3598, Start Num: 120

Candidate Starts for Mattes_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (142, 2348), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: Maureen_3 Start: 2290, Stop: 3813, Start Num: 97

Candidate Starts for Maureen_3:

(Start: 97 @2290 has 14 MA's), (Start: 102 @2296 has 236 MA's), (111, 2311), (135, 2374), (Start: 149 @2413 has 2 MA's), (330, 2800), (394, 2890), (431, 2986), (507, 3175), (515, 3205), (521, 3223), (534, 3253), (540, 3283), (594, 3472), (598, 3481), (675, 3652), (695, 3697), (711, 3757),

Gene: Maverick_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Maverick_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Maxo_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for Maxo_12:

(Start: 74 @8579 has 580 MA's), (156, 8726), (160, 8738), (217, 8906), (224, 8936), (244, 8975), (253, 8993), (278, 9053), (385, 9182), (394, 9200), (399, 9212), (432, 9311), (434, 9317), (440, 9338), (441, 9344), (475, 9413), (497, 9473), (507, 9518), (545, 9644), (546, 9647), (558, 9698), (564, 9719), (575, 9749), (602, 9839), (613, 9875), (615, 9887), (620, 9905), (633, 9935),

Gene: Mazhar510_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for Mazhar510_12:

(Start: 74 @8579 has 580 MA's), (156, 8726), (160, 8738), (217, 8906), (224, 8936), (244, 8975), (253, 8993), (278, 9053), (385, 9182), (394, 9200), (399, 9212), (432, 9311), (434, 9317), (440, 9338), (441, 9344), (475, 9413), (497, 9473), (507, 9518), (545, 9644), (546, 9647), (558, 9698), (564, 9719), (575, 9749), (602, 9839), (613, 9875), (620, 9905), (633, 9935),

Gene: McFly_16 Start: 9284, Stop: 10747, Start Num: 74

Candidate Starts for McFly_16:

(Start: 74 @9284 has 580 MA's), (94, 9305), (121, 9344), (152, 9431), (157, 9443), (160, 9449), (265, 9731), (408, 9944), (426, 9995), (432, 10022), (434, 10028), (440, 10049), (564, 10415), (575, 10442), (580, 10451), (593, 10511), (613, 10568), (620, 10598), (633, 10628), (653, 10655),

Gene: McGuire_13 Start: 8737, Stop: 10179, Start Num: 109

Candidate Starts for McGuire_13:

(64, 8671), (Start: 109 @8737 has 196 MA's), (183, 8935), (265, 9148), (394, 9343), (399, 9355), (432, 9454), (509, 9649), (521, 9688), (545, 9766), (547, 9772), (558, 9820), (561, 9832), (564, 9841), (592, 9931), (620, 10021), (635, 10054), (644, 10066),

Gene: Mdavu_5 Start: 2283, Stop: 3839, Start Num: 47

Candidate Starts for Mdavu_5:

(32, 2157), (33, 2178), (Start: 42 @2268 has 24 MA's), (Start: 47 @2283 has 130 MA's), (104, 2352), (113, 2367), (121, 2388), (Start: 149 @2469 has 2 MA's), (158, 2493), (174, 2526), (183, 2562), (210, 2637), (215, 2658), (220, 2673), (274, 2778), (312, 2844), (326, 2874), (354, 2928), (376, 2970), (394, 3006), (399, 3018), (415, 3051), (426, 3084), (437, 3126), (444, 3156), (482, 3189), (489, 3207), (490, 3213), (504, 3267), (508, 3285), (512, 3297), (516, 3312), (517, 3315), (530, 3348), (557, 3447), (558, 3450), (563, 3468), (582, 3510), (592, 3561), (593, 3564), (601, 3585), (608, 3609), (609, 3612), (612, 3621), (624, 3657), (628, 3672), (640, 3693),

Gene: MeaningOfLife_9 Start: 2996, Stop: 4552, Start Num: 47

Candidate Starts for MeaningOfLife_9:

(33, 2894), (Start: 42 @2981 has 24 MA's), (Start: 47 @2996 has 130 MA's), (117, 3095), (121, 3104), (143, 3176), (Start: 149 @3185 has 2 MA's), (158, 3209), (174, 3242), (177, 3251), (185, 3284), (210, 3353), (226, 3416), (269, 3482), (274, 3497), (317, 3572), (326, 3593), (357, 3647), (415, 3767), (426, 3800), (430, 3821), (437, 3842), (444, 3872), (482, 3905), (489, 3923), (504, 3983), (508, 4001), (512, 4013), (513, 4016), (516, 4028), (517, 4031), (534, 4067), (546, 4115), (558, 4166), (563, 4184), (593, 4280), (601, 4301), (609, 4328), (612, 4337), (624, 4373),

Gene: Medusa_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Medusa_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: MeeZee_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for MeeZee_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Megsy_9 Start: 2995, Stop: 4548, Start Num: 47

Candidate Starts for Megsy_9:

(31, 2866), (33, 2893), (Start: 42 @2980 has 24 MA's), (Start: 47 @2995 has 130 MA's), (117, 3094), (121, 3103), (143, 3175), (Start: 149 @3184 has 2 MA's), (158, 3208), (174, 3241), (185, 3283), (210, 3352), (215, 3373), (225, 3412), (269, 3481), (274, 3496), (317, 3571), (326, 3592), (357, 3646), (415, 3766), (426, 3799), (430, 3820), (437, 3841), (444, 3871), (482, 3904), (489, 3922), (508, 4000), (512, 4012), (513, 4015), (516, 4027), (517, 4030), (534, 4066), (546, 4114), (563, 4183), (593, 4279), (601, 4300), (609, 4327), (612, 4336), (624, 4372), (652, 4426),

Gene: Melissauren88_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Melissauren88_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876),

(421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Melvin_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Melvin_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: MerCougar_26 Start: 14884, Stop: 16461, Start Num: 71

Candidate Starts for MerCougar_26:

(Start: 71 @14884 has 30 MA's), (Start: 74 @14890 has 580 MA's), (89, 14908), (121, 14968), (185, 15160), (210, 15238), (216, 15262), (314, 15463), (348, 15496), (403, 15583), (419, 15616), (446, 15718), (450, 15730), (486, 15811), (522, 15952), (553, 16051), (558, 16075), (560, 16084), (584, 16144), (607, 16228), (609, 16237),

Gene: MetalQZJ_12 Start: 8854, Stop: 10296, Start Num: 109

Candidate Starts for MetalQZJ_12:

(64, 8788), (Start: 109 @8854 has 196 MA's), (183, 9052), (265, 9265), (394, 9460), (399, 9472), (432, 9571), (509, 9766), (521, 9805), (545, 9883), (547, 9889), (558, 9937), (561, 9949), (564, 9958), (592, 10048), (620, 10138), (635, 10171), (644, 10183),

Gene: Methuselah_14 Start: 8737, Stop: 10191, Start Num: 74

Candidate Starts for Methuselah_14:

(Start: 74 @8737 has 580 MA's), (Start: 110 @8767 has 2 MA's), (121, 8794), (160, 8899), (202, 9013), (221, 9079), (244, 9136), (278, 9214), (279, 9217), (394, 9358), (432, 9469), (434, 9475), (440, 9496), (507, 9661), (545, 9787), (558, 9841), (559, 9847), (564, 9862), (580, 9898), (604, 9985), (613, 10015), (620, 10045), (645, 10090), (652, 10099),

Gene: Meyran_5 Start: 3062, Stop: 4528, Start Num: 98

Candidate Starts for Meyran_5:

(Start: 98 @3062 has 18 MA's), (118, 3095), (155, 3185), (179, 3245), (182, 3257), (183, 3266), (208, 3329), (219, 3374), (220, 3377), (221, 3380), (223, 3395), (224, 3398), (226, 3404), (245, 3437), (260, 3461), (280, 3509), (309, 3554), (320, 3572), (323, 3584), (329, 3593), (333, 3599), (350, 3623), (381, 3671), (426, 3776), (438, 3821), (451, 3869), (475, 3950), (488, 3983), (492, 3998), (500, 4022), (508, 4064), (521, 4106), (533, 4133), (537, 4157), (554, 4223), (557, 4232), (579, 4283), (592, 4334), (608, 4382), (615, 4409), (618, 4421), (640, 4466), (672, 4511),

Gene: Micasa_9 Start: 7908, Stop: 9341, Start Num: 76

Candidate Starts for Micasa_9:

(Start: 76 @7908 has 71 MA's), (168, 8064), (173, 8076), (177, 8091), (179, 8097), (229, 8265), (244, 8292), (278, 8370), (344, 8451), (398, 8523), (399, 8526), (426, 8598), (434, 8631), (440, 8652), (444, 8670), (448, 8682), (479, 8727), (545, 8943), (558, 8997), (563, 9015), (580, 9054), (613, 9171), (620, 9201), (633, 9231), (652, 9255),

Gene: Michley_12 Start: 8602, Stop: 10044, Start Num: 109

Candidate Starts for Michley_12:

(64, 8536), (Start: 109 @8602 has 196 MA's), (183, 8800), (265, 9013), (394, 9208), (399, 9220), (432, 9319), (509, 9514), (521, 9553), (545, 9631), (547, 9637), (558, 9685), (561, 9697), (564, 9706), (592, 9796), (620, 9886), (635, 9919), (644, 9931),

Gene: Microwolf_14 Start: 8655, Stop: 10109, Start Num: 74

Candidate Starts for Microwolf_14:

(Start: 74 @8655 has 580 MA's), (Start: 110 @8685 has 2 MA's), (121, 8712), (160, 8817), (202, 8931), (221, 8997), (244, 9054), (278, 9132), (279, 9135), (394, 9276), (432, 9387), (434, 9393), (440, 9414), (507, 9579), (545, 9705), (558, 9759), (559, 9765), (564, 9780), (580, 9816), (604, 9903), (613, 9933), (620, 9963), (645, 10008), (652, 10017),

Gene: MiculUcigas_13 Start: 9268, Stop: 10728, Start Num: 74

Candidate Starts for MiculUcigas_13:

(Start: 74 @9268 has 580 MA's), (121, 9328), (156, 9421), (160, 9433), (265, 9715), (278, 9748), (395, 9895), (399, 9904), (426, 9976), (432, 10003), (434, 10009), (440, 10030), (525, 10258), (558, 10375), (564, 10396), (575, 10423), (580, 10432), (613, 10549), (620, 10579), (633, 10609), (651, 10633),

Gene: Midas2_10 Start: 7907, Stop: 9340, Start Num: 76

Candidate Starts for Midas2_10:

(Start: 76 @7907 has 71 MA's), (168, 8063), (173, 8075), (177, 8090), (179, 8096), (229, 8264), (244, 8291), (278, 8369), (344, 8450), (398, 8522), (399, 8525), (426, 8597), (434, 8630), (440, 8651), (444, 8669), (448, 8681), (479, 8726), (545, 8942), (558, 8996), (563, 9014), (580, 9053), (613, 9170), (620, 9200), (633, 9230), (652, 9254),

Gene: MidnightRain_4 Start: 2274, Stop: 3605, Start Num: 108

Candidate Starts for MidnightRain_4:

(Start: 93 @2262 has 3 MA's), (Start: 108 @2274 has 17 MA's), (112, 2283), (150, 2385), (156, 2397), (206, 2538), (217, 2583), (222, 2598), (226, 2619), (256, 2655), (265, 2673), (311, 2754), (345, 2799), (404, 2877), (430, 2958), (434, 2970), (435, 2973), (441, 2997), (454, 3039), (505, 3150), (509, 3165), (519, 3195), (548, 3291), (620, 3531), (622, 3534), (627, 3540), (657, 3591),

Gene: Miko_16 Start: 10888, Stop: 12345, Start Num: 74

Candidate Starts for Miko_16:

(Start: 74 @10888 has 580 MA's), (121, 10948), (Start: 128 @10972 has 1 MA's), (160, 11053), (229, 11263), (244, 11290), (265, 11335), (320, 11428), (399, 11524), (426, 11596), (432, 11623), (434, 11629), (440, 11650), (441, 11656), (455, 11701), (558, 11995), (563, 12013), (569, 12031), (575, 12043), (580, 12052), (604, 12139), (613, 12169), (615, 12181), (620, 12199), (633, 12229),

Gene: MilanaBonita_4 Start: 2903, Stop: 4273, Start Num: 102

Candidate Starts for MilanaBonita_4:

(Start: 102 @2903 has 236 MA's), (Start: 120 @2939 has 8 MA's), (Start: 128 @2963 has 1 MA's), (132, 2972), (134, 2978), (135, 2981), (148, 3020), (177, 3086), (178, 3089), (198, 3158), (210, 3197), (212, 3206), (227, 3254), (265, 3314), (285, 3362), (320, 3407), (380, 3452), (391, 3479), (413, 3524), (421, 3545), (422, 3548), (423, 3551), (428, 3572), (430, 3581), (444, 3632), (445, 3635), (448, 3644), (459, 3674), (467, 3695), (493, 3764), (496, 3773), (506, 3824), (507, 3827), (522, 3881), (524, 3887), (526, 3893), (558, 4004), (561, 4016), (576, 4049), (580, 4055), (587, 4079), (631, 4223), (642, 4241),

Gene: Milcery_10 Start: 7944, Stop: 9377, Start Num: 76

Candidate Starts for Milcery_10:

(Start: 76 @7944 has 71 MA's), (168, 8100), (173, 8112), (177, 8127), (179, 8133), (229, 8301), (244, 8328), (278, 8406), (344, 8487), (398, 8559), (399, 8562), (426, 8634), (434, 8667), (440, 8688), (444, 8706), (448, 8718), (479, 8763), (545, 8979), (558, 9033), (563, 9051), (580, 9090), (613, 9207), (620, 9237), (633, 9267), (652, 9291),

Gene: Miley16_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Miley16_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: MilleniumForce_4 Start: 2903, Stop: 4273, Start Num: 102

Candidate Starts for MilleniumForce_4:

(Start: 102 @2903 has 236 MA's), (Start: 120 @2939 has 8 MA's), (Start: 128 @2963 has 1 MA's), (132, 2972), (134, 2978), (135, 2981), (148, 3020), (177, 3086), (178, 3089), (198, 3158), (210, 3197), (212, 3206), (227, 3254), (265, 3314), (285, 3362), (320, 3407), (380, 3452), (391, 3479), (413, 3524), (421, 3545), (422, 3548), (423, 3551), (428, 3572), (430, 3581), (444, 3632), (445, 3635), (448, 3644), (459, 3674), (467, 3695), (493, 3764), (496, 3773), (506, 3824), (507, 3827), (515, 3857), (522, 3881), (524, 3887), (526, 3893), (545, 3950), (558, 4004), (561, 4016), (576, 4049), (580, 4055), (587, 4079), (631, 4223), (642, 4241),

Gene: Millski_12 Start: 8581, Stop: 10032, Start Num: 74

Candidate Starts for Millski_12:

(Start: 74 @8581 has 580 MA's), (156, 8728), (160, 8740), (217, 8908), (224, 8938), (244, 8977), (253, 8995), (278, 9055), (385, 9184), (394, 9202), (399, 9214), (432, 9313), (434, 9319), (440, 9340), (441, 9346), (475, 9415), (497, 9475), (507, 9520), (545, 9646), (546, 9649), (558, 9700), (564, 9721), (575, 9751), (602, 9841), (613, 9877), (620, 9907), (633, 9937),

Gene: Milly_5 Start: 2088, Stop: 3593, Start Num: 45

Candidate Starts for Milly_5:

(Start: 45 @2088 has 26 MA's), (89, 2133), (104, 2154), (121, 2190), (Start: 149 @2271 has 2 MA's), (174, 2328), (178, 2340), (183, 2364), (185, 2370), (206, 2421), (210, 2439), (215, 2460), (224, 2496), (226, 2502), (253, 2526), (269, 2562), (317, 2652), (326, 2673), (341, 2700), (364, 2742), (365, 2748), (376, 2766), (399, 2814), (415, 2847), (430, 2901), (437, 2922), (444, 2952), (482, 2985), (489, 3003), (490, 3009), (498, 3033), (512, 3093), (515, 3105), (517, 3111), (532, 3150), (563, 3270), (582, 3312), (608, 3411), (609, 3414), (612, 3423), (628, 3474), (660, 3519), (696, 3570),

Gene: MinecraftSteve_16 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for MinecraftSteve_16:

(Start: 74 @8502 has 580 MA's), (121, 8562), (160, 8667), (184, 8733), (248, 8916), (265, 8949), (278, 8982), (426, 9213), (432, 9240), (434, 9246), (440, 9267), (445, 9288), (455, 9318), (479, 9342), (507, 9432), (515, 9462), (545, 9558), (552, 9585), (558, 9612), (563, 9630), (564, 9633), (575, 9666), (580, 9675), (613, 9792), (620, 9822), (651, 9876),

Gene: MiniLon_6 Start: 2762, Stop: 4405, Start Num: 74

Candidate Starts for MiniLon_6:

(Start: 74 @2762 has 580 MA's), (118, 2822), (175, 2963), (178, 2972), (185, 3002), (210, 3074), (228, 3140), (257, 3188), (318, 3281), (341, 3320), (390, 3377), (394, 3383), (399, 3395), (406, 3410), (411, 3419), (418, 3434), (492, 3623), (502, 3656), (510, 3695), (522, 3737), (582, 3920), (591, 3962), (598, 3989), (601, 3998), (617, 4058), (633, 4088), (638, 4097), (681, 4172), (697, 4205),

Gene: MiniMac_6 Start: 2762, Stop: 4405, Start Num: 74

Candidate Starts for MiniMac_6:

(Start: 74 @2762 has 580 MA's), (118, 2822), (178, 2972), (185, 3002), (210, 3074), (228, 3140), (257, 3188), (318, 3281), (341, 3320), (390, 3377), (394, 3383), (399, 3395), (406, 3410), (411, 3419), (418, 3434), (492, 3623), (502, 3656), (510, 3695), (522, 3737), (582, 3920), (591, 3962), (598, 3989), (601, 3998), (617, 4058), (633, 4088), (638, 4097), (681, 4172), (697, 4205),

Gene: MiniMommy_3 Start: 2299, Stop: 3663, Start Num: 97

Candidate Starts for MiniMommy_3:

(Start: 97 @2299 has 14 MA's), (143, 2413), (Start: 149 @2422 has 2 MA's), (185, 2521), (423, 2962), (424, 2965), (507, 3184), (534, 3262), (594, 3481), (598, 3490),

Gene: MinionDave_4 Start: 2903, Stop: 4273, Start Num: 102

Candidate Starts for MinionDave_4:

(Start: 102 @2903 has 236 MA's), (Start: 120 @2939 has 8 MA's), (Start: 128 @2963 has 1 MA's), (132, 2972), (134, 2978), (135, 2981), (148, 3020), (177, 3086), (178, 3089), (198, 3158), (210, 3197), (212, 3206), (227, 3254), (265, 3314), (285, 3362), (320, 3407), (380, 3452), (391, 3479), (413, 3524), (421, 3545), (422, 3548), (423, 3551), (428, 3572), (430, 3581), (444, 3632), (445, 3635), (448, 3644), (459, 3674), (467, 3695), (493, 3764), (496, 3773), (506, 3824), (507, 3827), (522, 3881), (524, 3887), (525, 3890), (526, 3893), (545, 3950), (558, 4004), (561, 4016), (576, 4049), (580, 4055), (587, 4079), (631, 4223), (642, 4241),

Gene: Minnie_3 Start: 2291, Stop: 3625, Start Num: 120

Candidate Starts for Minnie_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (642, 3593),

Gene: Miramae_12 Start: 8532, Stop: 9986, Start Num: 74

Candidate Starts for Miramae_12:

(Start: 74 @8532 has 580 MA's), (156, 8682), (160, 8694), (211, 8841), (217, 8862), (224, 8892), (244, 8931), (253, 8949), (278, 9009), (385, 9138), (394, 9156), (399, 9168), (432, 9267), (434, 9273), (440, 9294), (441, 9300), (475, 9369), (507, 9474), (525, 9537), (545, 9600), (546, 9603), (558, 9654), (559, 9660), (564, 9675), (575, 9705), (602, 9795), (613, 9831), (620, 9861), (633, 9891), (699, 9972),

Gene: Miryou_7 Start: 2766, Stop: 4301, Start Num: 47

Candidate Starts for Miryou_7:

(Start: 47 @2766 has 130 MA's), (104, 2838), (121, 2874), (124, 2883), (136, 2928), (174, 3012), (178, 3024), (185, 3054), (191, 3072), (210, 3123), (220, 3159), (226, 3186), (265, 3237), (267, 3240), (269, 3246), (274, 3261), (275, 3264), (317, 3336), (326, 3357), (342, 3387), (365, 3432), (394, 3486), (415, 3531), (426, 3564), (435, 3600), (436, 3603), (437, 3606), (482, 3669), (489, 3687), (490, 3693), (508, 3765), (512, 3777), (513, 3780), (517, 3795), (536, 3840), (537, 3855), (544, 3876), (557, 3930), (558, 3933), (563, 3951), (568, 3966), (590, 4032), (593, 4047), (601, 4068), (607, 4086), (612, 4104), (624, 4140), (674, 4227),

Gene: Misha28_4 Start: 2202, Stop: 3623, Start Num: 101

Candidate Starts for Misha28_4:

(Start: 101 @2202 has 52 MA's), (116, 2229), (121, 2241), (172, 2370), (177, 2388), (179, 2394), (185, 2421), (210, 2490), (220, 2526), (224, 2547), (226, 2553), (253, 2577), (254, 2580), (267, 2607), (285, 2655), (289, 2661), (308, 2688), (319, 2706), (367, 2799), (378, 2817), (394, 2850), (398, 2859), (399, 2862), (420, 2910), (423, 2919), (430, 2949), (436, 2967), (444, 3000), (490, 3057), (512, 3141), (517, 3159), (525, 3186), (532, 3198), (534, 3201), (536, 3207), (537, 3222), (548, 3255), (582, 3360), (601, 3435), (603, 3441), (606, 3450), (608, 3459), (612, 3471), (638, 3534), (666, 3582),

Gene: Miskis_33 Start: 10219, Stop: 11835, Start Num: 62

Candidate Starts for Miskis_33:

(Start: 62 @10219 has 16 MA's), (Start: 97 @10270 has 14 MA's), (104, 10279), (Start: 128 @10339 has 1 MA's), (148, 10396), (166, 10432), (181, 10477), (187, 10504), (265, 10708), (276, 10738), (296, 10774), (331, 10819), (345, 10828), (352, 10843), (421, 10981), (422, 10984), (427, 11002), (428, 11008), (440, 11050), (494, 11242), (515, 11329), (524, 11359), (539, 11404), (553, 11452), (555, 11467), (582, 11530), (587, 11554), (588, 11560), (590, 11569), (612, 11638), (629, 11689), (631, 11692), (638, 11704),

Gene: Misomonster_16 Start: 8737, Stop: 10191, Start Num: 74

Candidate Starts for Misomonster_16:

(Start: 74 @8737 has 580 MA's), (Start: 110 @8767 has 2 MA's), (121, 8794), (160, 8899), (202, 9013), (221, 9079), (244, 9136), (278, 9214), (279, 9217), (394, 9358), (432, 9469), (434, 9475), (440, 9496), (507, 9661), (545, 9787), (558, 9841), (559, 9847), (564, 9862), (580, 9898), (604, 9985), (613, 10015), (620, 10045), (645, 10090), (652, 10099),

Gene: MissDaisy_10 Start: 3878, Stop: 5464, Start Num: 45

Candidate Starts for MissDaisy_10:

(Start: 42 @3863 has 24 MA's), (Start: 45 @3878 has 26 MA's), (56, 3902), (104, 3968), (124, 4013), (Start: 149 @4085 has 2 MA's), (174, 4142), (175, 4145), (178, 4154), (185, 4184), (210, 4253), (215, 4274), (220, 4289), (224, 4310), (226, 4316), (253, 4340), (269, 4376), (274, 4391), (292, 4430), (370, 4565), (376, 4574), (385, 4592), (398, 4619), (399, 4622), (415, 4655), (426, 4688), (430, 4709), (437, 4730), (482, 4793), (490, 4817), (498, 4841), (508, 4889), (512, 4901), (515, 4913), (517, 4919), (532, 4958), (561, 5072), (563, 5078), (601, 5249), (609, 5276), (612, 5285), (635, 5348), (642, 5360),

Gene: MissSwiss_3 Start: 2285, Stop: 3661, Start Num: 99

Candidate Starts for MissSwiss_3:

(Start: 99 @2285 has 43 MA's), (143, 2396), (Start: 149 @2405 has 2 MA's), (185, 2504), (243, 2666), (425, 2951), (449, 3041), (515, 3200), (534, 3248), (540, 3278), (548, 3302), (598, 3476),

Gene: MissWhite_13 Start: 8253, Stop: 9710, Start Num: 74

Candidate Starts for MissWhite_13:

(Start: 74 @8253 has 580 MA's), (94, 8274), (121, 8313), (160, 8418), (265, 8700), (330, 8805), (399, 8892), (426, 8964), (432, 8991), (434, 8997), (440, 9018), (558, 9363), (564, 9384), (575, 9411), (580, 9420), (613, 9537), (620, 9567), (633, 9597), (651, 9621),

Gene: MisterCuddles_3 Start: 2241, Stop: 3611, Start Num: 102

Candidate Starts for MisterCuddles_3:

(Start: 102 @2241 has 236 MA's), (Start: 120 @2277 has 8 MA's), (Start: 128 @2301 has 1 MA's), (132, 2310), (134, 2316), (135, 2319), (148, 2358), (177, 2424), (178, 2427), (198, 2496), (210, 2535), (212, 2544), (227, 2592), (265, 2652), (285, 2700), (320, 2745), (380, 2790), (391, 2817), (413, 2862), (421, 2883), (422, 2886), (423, 2889), (428, 2910), (430, 2919), (444, 2970), (445, 2973), (448, 2982), (459, 3012), (467, 3033), (493, 3102), (496, 3111), (506, 3162), (507, 3165), (524, 3225), (526, 3231), (550, 3309), (558, 3342), (561, 3354), (580, 3393), (587, 3417), (642, 3579),

Gene: Mitti_10 Start: 3935, Stop: 5521, Start Num: 45

Candidate Starts for Mitti_10:

(Start: 42 @3920 has 24 MA's), (Start: 45 @3935 has 26 MA's), (56, 3959), (104, 4025), (124, 4070), (174, 4199), (177, 4208), (178, 4211), (185, 4241), (210, 4310), (215, 4331), (224, 4367), (226, 4373), (253, 4397), (269, 4433), (274, 4448), (292, 4487), (370, 4622), (376, 4631), (385, 4649), (398, 4676), (399, 4679), (415, 4712), (426, 4745), (430, 4766), (437, 4787), (482, 4850), (490, 4874), (498, 4898), (508, 4946), (512, 4958), (515, 4970), (517, 4976), (532, 5015), (561, 5129), (563, 5135), (601, 5306), (609, 5333), (612, 5342), (635, 5405), (642, 5417),

Gene: MkaliMitiinis3_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for MkaliMitinis3_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: Modragons_3 Start: 2249, Stop: 3607, Start Num: 102

Candidate Starts for Modragons_3:

(Start: 102 @2249 has 236 MA's), (Start: 119 @2282 has 2 MA's), (Start: 128 @2309 has 1 MA's), (132, 2318), (134, 2324), (135, 2327), (148, 2366), (177, 2432), (178, 2435), (198, 2504), (201, 2510), (210, 2543), (212, 2552), (227, 2600), (265, 2660), (285, 2708), (320, 2753), (380, 2798), (391, 2825), (413, 2870), (421, 2891), (422, 2894), (423, 2897), (428, 2918), (430, 2927), (444, 2978), (445, 2981), (448, 2990), (459, 3020), (467, 3041), (493, 3110), (496, 3119), (506, 3170), (507, 3173), (522, 3227), (524, 3233), (526, 3239), (550, 3317), (558, 3350), (561, 3362), (576, 3395), (580, 3401), (587, 3425), (631, 3569),

Gene: Molly_13 Start: 8462, Stop: 9904, Start Num: 109

Candidate Starts for Molly_13:

(64, 8396), (Start: 109 @8462 has 196 MA's), (183, 8660), (265, 8873), (394, 9068), (395, 9071), (432, 9179), (509, 9374), (521, 9413), (545, 9491), (547, 9497), (558, 9545), (561, 9557), (564, 9566), (592, 9656), (620, 9746), (635, 9779), (644, 9791),

Gene: Mollymur_14 Start: 8741, Stop: 10309, Start Num: 61

Candidate Starts for Mollymur_14:

(Start: 61 @8741 has 5 MA's), (Start: 97 @8792 has 14 MA's), (136, 8894), (164, 8954), (166, 8957), (181, 9002), (212, 9107), (265, 9206), (267, 9209), (302, 9281), (307, 9287), (358, 9347), (409, 9440), (420, 9467), (421, 9473), (422, 9476), (428, 9500), (445, 9563), (458, 9602), (474, 9671), (513, 9809), (522, 9842), (524, 9848), (540, 9896), (548, 9920), (563, 9983), (589, 10055), (592, 10070), (612, 10127), (629, 10178), (631, 10181), (638, 10193),

Gene: Monet_14 Start: 9659, Stop: 11101, Start Num: 109

Candidate Starts for Monet_14:

(64, 9593), (Start: 109 @9659 has 196 MA's), (183, 9857), (265, 10070), (394, 10265), (399, 10277), (432, 10376), (453, 10448), (509, 10571), (521, 10610), (545, 10688), (547, 10694), (558, 10742), (561, 10754), (564, 10763), (592, 10853), (620, 10943), (635, 10976), (644, 10988),

Gene: MoneyMay_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for MoneyMay_14:

(Start: 74 @8652 has 580 MA's), (Start: 110 @8682 has 2 MA's), (121, 8709), (160, 8814), (202, 8928), (221, 8994), (244, 9051), (278, 9129), (279, 9132), (394, 9273), (432, 9384), (434, 9390), (440, 9411), (507, 9576), (545, 9702), (558, 9756), (559, 9762), (564, 9777), (580, 9813), (604, 9900), (613, 9930), (620, 9960), (645, 10005), (652, 10014),

Gene: Moonbeam_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for Moonbeam_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (515, 3194), (522, 3218), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: Moose_11 Start: 8695, Stop: 10137, Start Num: 109

Candidate Starts for Moose_11:

(64, 8629), (Start: 109 @8695 has 196 MA's), (183, 8893), (265, 9106), (394, 9301), (399, 9313), (432, 9412), (453, 9484), (509, 9607), (521, 9646), (545, 9724), (547, 9730), (558, 9778), (561, 9790), (564, 9799), (592, 9889), (620, 9979), (635, 10012), (644, 10024),

Gene: Moostard_6 Start: 2752, Stop: 4395, Start Num: 74

Candidate Starts for Moostard_6:

(Start: 74 @2752 has 580 MA's), (118, 2812), (178, 2962), (185, 2992), (210, 3064), (228, 3130), (257, 3178), (318, 3271), (341, 3310), (390, 3367), (394, 3373), (406, 3400), (411, 3409), (418, 3424), (492, 3613), (502, 3646), (510, 3685), (522, 3727), (582, 3910), (591, 3952), (598, 3979), (601, 3988), (617, 4048), (633, 4078), (638, 4087), (681, 4162), (697, 4195),

Gene: Morpher26_12 Start: 8587, Stop: 10038, Start Num: 74

Candidate Starts for Morpher26_12:

(Start: 74 @8587 has 580 MA's), (156, 8737), (160, 8749), (211, 8896), (217, 8917), (224, 8947), (244, 8986), (253, 9004), (256, 9013), (278, 9064), (385, 9193), (394, 9211), (415, 9256), (432, 9322), (434, 9328), (440, 9349), (441, 9355), (475, 9424), (497, 9484), (507, 9529), (545, 9655), (546, 9658), (558, 9709), (559, 9715), (563, 9727), (564, 9730), (575, 9757), (604, 9853), (613, 9883), (615, 9895), (620, 9913), (633, 9943),

Gene: Morrow_12 Start: 8581, Stop: 10032, Start Num: 74

Candidate Starts for Morrow_12:

(Start: 74 @8581 has 580 MA's), (156, 8728), (160, 8740), (217, 8908), (224, 8938), (244, 8977), (253, 8995), (278, 9055), (385, 9184), (394, 9202), (399, 9214), (432, 9313), (434, 9319), (440, 9340), (441, 9346), (475, 9415), (497, 9475), (507, 9520), (545, 9646), (546, 9649), (558, 9700), (559, 9706), (564, 9721), (575, 9751), (602, 9841), (613, 9877), (620, 9907), (633, 9937),

Gene: Moss_3 Start: 2307, Stop: 3875, Start Num: 97

Candidate Starts for Moss_3:

(Start: 97 @2307 has 14 MA's), (Start: 149 @2433 has 2 MA's), (224, 2658), (243, 2694), (254, 2703), (263, 2721), (310, 2796), (330, 2820), (394, 2925), (513, 3231), (515, 3240), (521, 3258), (525, 3273), (527, 3276), (598, 3516), (677, 3690),

Gene: Mova_4 Start: 2200, Stop: 3621, Start Num: 101

Candidate Starts for Mova_4:

(Start: 76 @2164 has 71 MA's), (Start: 79 @2167 has 5 MA's), (Start: 101 @2200 has 52 MA's), (116, 2227), (121, 2239), (172, 2368), (177, 2386), (185, 2419), (210, 2488), (220, 2524), (224, 2545), (226, 2551), (253, 2575), (254, 2578), (285, 2653), (289, 2659), (308, 2686), (319, 2704), (339, 2746), (367, 2797), (378, 2815), (394, 2848), (398, 2857), (399, 2860), (420, 2908), (423, 2917), (430, 2947), (436, 2965), (444, 2998), (490, 3055), (512, 3139), (517, 3157), (525, 3184), (532, 3196), (534, 3199), (536, 3205), (537, 3220), (548, 3253), (582, 3358), (601, 3433), (603, 3439), (606, 3448), (608, 3457), (612, 3469), (638, 3532),

Gene: Mozy_4 Start: 2198, Stop: 3619, Start Num: 101

Candidate Starts for Mozy_4:

(Start: 76 @2162 has 71 MA's), (Start: 101 @2198 has 52 MA's), (116, 2225), (121, 2237), (172, 2366), (178, 2387), (185, 2417), (210, 2486), (215, 2507), (224, 2543), (226, 2549), (253, 2573), (254, 2576), (285, 2651), (289, 2657), (319, 2702), (339, 2744), (390, 2840), (398, 2855), (399, 2858), (404, 2867), (418, 2897), (420, 2906), (430, 2945), (436, 2963), (437, 2966), (444, 2996), (490, 3053), (502, 3092), (512, 3137), (517, 3155), (525, 3182), (532, 3194), (534, 3197), (536, 3203), (548, 3251), (583, 3359), (601, 3431), (603, 3437), (606, 3446), (608, 3455), (609, 3458), (630, 3518), (638, 3530), (654,

3554), (666, 3578),

Gene: MrGordo_12 Start: 8414, Stop: 9856, Start Num: 109

Candidate Starts for MrGordo_12:

(64, 8348), (Start: 109 @8414 has 196 MA's), (183, 8612), (265, 8825), (394, 9020), (399, 9032), (432, 9131), (509, 9326), (521, 9365), (545, 9443), (547, 9449), (558, 9497), (561, 9509), (564, 9518), (580, 9551), (592, 9608), (620, 9698), (635, 9731), (644, 9743),

Gene: MrMagoo_19 Start: 6838, Stop: 8439, Start Num: 48

Candidate Starts for MrMagoo_19:

(Start: 48 @6838 has 21 MA's), (147, 7027), (162, 7060), (169, 7072), (177, 7096), (183, 7123), (185, 7129), (210, 7201), (211, 7207), (219, 7234), (220, 7237), (253, 7300), (254, 7303), (263, 7321), (338, 7438), (394, 7495), (420, 7555), (423, 7564), (436, 7612), (437, 7615), (495, 7738), (504, 7774), (518, 7825), (520, 7828), (532, 7858), (536, 7867), (552, 7933), (553, 7936), (558, 7960), (588, 8050), (601, 8098), (646, 8209), (684, 8281),

Gene: Mryolo_11 Start: 8444, Stop: 9886, Start Num: 109

Candidate Starts for Mryolo_11:

(64, 8378), (Start: 109 @8444 has 196 MA's), (183, 8642), (265, 8855), (394, 9050), (399, 9062), (432, 9161), (453, 9233), (509, 9356), (521, 9395), (545, 9473), (547, 9479), (558, 9527), (561, 9539), (564, 9548), (592, 9638), (620, 9728), (635, 9761), (644, 9773),

Gene: Ms6_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Ms6_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: MsGreen_6 Start: 2756, Stop: 4399, Start Num: 74

Candidate Starts for MsGreen_6:

(Start: 74 @2756 has 580 MA's), (118, 2816), (178, 2966), (185, 2996), (210, 3068), (228, 3134), (257, 3182), (318, 3275), (341, 3314), (406, 3404), (411, 3413), (418, 3428), (492, 3617), (502, 3650), (510, 3689), (522, 3731), (582, 3914), (591, 3956), (598, 3983), (601, 3992), (617, 4052), (633, 4082), (638, 4091), (681, 4166), (697, 4199),

Gene: MuchMore_16 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for MuchMore_16:

(Start: 74 @8646 has 580 MA's), (Start: 110 @8676 has 2 MA's), (121, 8703), (160, 8808), (202, 8922), (221, 8988), (244, 9045), (278, 9123), (279, 9126), (394, 9267), (432, 9378), (434, 9384), (440, 9405), (507, 9570), (545, 9696), (558, 9750), (559, 9756), (564, 9771), (580, 9807), (604, 9894), (613, 9924), (620, 9954), (645, 9999), (652, 10008),

Gene: Mudpuppy_3 Start: 2269, Stop: 3645, Start Num: 99

Candidate Starts for Mudpuppy_3:

(Start: 99 @2269 has 43 MA's), (Start: 149 @2389 has 2 MA's), (185, 2488), (198, 2527), (310, 2752), (383, 2845), (449, 3025), (518, 3193), (534, 3232), (540, 3262), (548, 3286), (598, 3460), (601, 3469), (647, 3580),

Gene: Mufasa_5 Start: 2085, Stop: 3590, Start Num: 45

Candidate Starts for Mufasa_5:

(31, 1944), (Start: 45 @2085 has 26 MA's), (Start: 53 @2103 has 7 MA's), (89, 2130), (104, 2151), (121, 2187), (Start: 149 @2268 has 2 MA's), (174, 2325), (178, 2337), (183, 2361), (185, 2367), (206, 2418), (210, 2436), (215, 2457), (224, 2493), (226, 2499), (253, 2523), (269, 2559), (317, 2649), (326, 2670), (341, 2697), (364, 2739), (365, 2745), (376, 2763), (399, 2811), (415, 2844), (430, 2898), (437, 2919), (444, 2949), (482, 2982), (489, 3000), (490, 3006), (498, 3030), (512, 3090), (515, 3102), (517, 3108), (532, 3147), (563, 3267), (582, 3309), (608, 3408), (609, 3411), (612, 3420), (628, 3471), (660, 3516), (696, 3567),

Gene: MulchSalad_3 Start: 2290, Stop: 3612, Start Num: 120

Candidate Starts for MulchSalad_3:

(Start: 102 @2254 has 236 MA's), (Start: 120 @2290 has 8 MA's), (Start: 128 @2314 has 1 MA's), (132, 2323), (134, 2329), (135, 2332), (148, 2371), (176, 2434), (177, 2437), (178, 2440), (198, 2509), (201, 2515), (210, 2548), (212, 2557), (227, 2605), (265, 2665), (273, 2686), (285, 2713), (320, 2758), (380, 2803), (391, 2830), (413, 2875), (421, 2896), (422, 2899), (423, 2902), (428, 2923), (430, 2932), (444, 2983), (445, 2986), (448, 2995), (459, 3025), (467, 3046), (493, 3115), (496, 3124), (506, 3175), (507, 3178), (524, 3238), (526, 3244), (558, 3355), (561, 3367), (576, 3400), (580, 3406), (587, 3430),

Gene: Mulciber_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Mulciber_13:

(Start: 74 @9784 has 580 MA's), (116, 9829), (121, 9844), (160, 9949), (265, 10231), (278, 10264), (399, 10420), (426, 10492), (432, 10519), (434, 10525), (440, 10546), (455, 10597), (551, 10861), (558, 10891), (564, 10912), (569, 10927), (575, 10939), (580, 10948), (604, 11035), (613, 11065), (620, 11095), (633, 11125), (679, 11191),

Gene: Mule_12 Start: 8730, Stop: 10172, Start Num: 109

Candidate Starts for Mule_12:

(64, 8664), (Start: 109 @8730 has 196 MA's), (183, 8928), (265, 9141), (394, 9336), (432, 9447), (509, 9642), (521, 9681), (545, 9759), (547, 9765), (558, 9813), (561, 9825), (564, 9834), (592, 9924), (620, 10014), (635, 10047), (644, 10059),

Gene: Munch_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Munch_13:

(Start: 74 @9784 has 580 MA's), (116, 9829), (121, 9844), (160, 9949), (265, 10231), (278, 10264), (399, 10420), (426, 10492), (432, 10519), (434, 10525), (440, 10546), (455, 10597), (551, 10861), (558, 10891), (564, 10912), (569, 10927), (575, 10939), (580, 10948), (604, 11035), (613, 11065), (620, 11095), (633, 11125), (679, 11191),

Gene: Mundrea_12 Start: 8540, Stop: 9991, Start Num: 74

Candidate Starts for Mundrea_12:

(Start: 74 @8540 has 580 MA's), (156, 8690), (160, 8702), (169, 8714), (183, 8765), (217, 8870), (224, 8900), (244, 8939), (253, 8957), (278, 9017), (385, 9143), (394, 9161), (399, 9173), (431, 9269), (432, 9272), (434, 9278), (440, 9299), (441, 9305), (445, 9320), (475, 9374), (497, 9434), (507, 9479), (545, 9605), (546, 9608), (558, 9659), (564, 9680), (604, 9806), (613, 9836), (620, 9866), (633, 9896),

Gene: Murucutumbu_9 Start: 2995, Stop: 4548, Start Num: 47

Candidate Starts for Murucutumbu_9:

(26, 2752), (31, 2866), (33, 2893), (Start: 42 @2980 has 24 MA's), (Start: 47 @2995 has 130 MA's), (117, 3097), (121, 3106), (Start: 149 @3187 has 2 MA's), (158, 3211), (174, 3244), (177, 3253), (185, 3286), (210, 3355), (215, 3376), (226, 3418), (269, 3481), (274, 3496), (317, 3571), (326, 3592), (342, 3622), (399, 3733), (415, 3766), (426, 3799), (437, 3841), (444, 3871), (482, 3904), (489, 3922), (508, 4000), (512, 4012), (513, 4015), (516, 4027), (517, 4030), (534, 4066), (546, 4114), (563, 4183), (576, 4213), (593, 4279), (601, 4300), (609, 4327), (612, 4336), (624, 4372), (652, 4426),

Gene: Museum_14 Start: 8748, Stop: 10190, Start Num: 109

Candidate Starts for Museum_14:

(64, 8682), (Start: 109 @8748 has 196 MA's), (183, 8946), (265, 9159), (394, 9354), (395, 9357), (432, 9465), (453, 9537), (509, 9660), (521, 9699), (545, 9777), (547, 9783), (558, 9831), (561, 9843), (564, 9852), (592, 9942), (620, 10032), (635, 10065), (644, 10077),

Gene: Mutaforma13_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Mutaforma13_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Mynx_9 Start: 3031, Stop: 4602, Start Num: 42

Candidate Starts for Mynx_9:

(33, 2944), (Start: 42 @3031 has 24 MA's), (Start: 47 @3046 has 130 MA's), (117, 3145), (121, 3154), (143, 3226), (Start: 149 @3235 has 2 MA's), (158, 3259), (174, 3292), (177, 3301), (185, 3334), (210, 3403), (215, 3424), (226, 3466), (269, 3532), (274, 3547), (317, 3622), (326, 3643), (357, 3697), (415, 3817), (426, 3850), (430, 3871), (437, 3892), (444, 3922), (482, 3955), (489, 3973), (508, 4051), (512, 4063), (513, 4066), (516, 4078), (517, 4081), (534, 4117), (546, 4165), (558, 4216), (563, 4234), (593, 4330), (601, 4351), (609, 4378), (612, 4387), (624, 4423),

Gene: MyraDee_10 Start: 6714, Stop: 8150, Start Num: 76

Candidate Starts for MyraDee_10:

(Start: 76 @6714 has 71 MA's), (160, 6867), (179, 6909), (394, 7326), (398, 7335), (426, 7410), (432, 7437), (434, 7443), (440, 7464), (479, 7539), (487, 7554), (507, 7629), (558, 7809), (559, 7815), (564, 7830), (580, 7866), (611, 7977), (615, 7995), (620, 8013), (633, 8043), (645, 8052), (652, 8061),

Gene: Myxus_14 Start: 9893, Stop: 11380, Start Num: 74

Candidate Starts for Myxus_14:

(Start: 74 @9893 has 580 MA's), (121, 9956), (160, 10061), (229, 10271), (248, 10310), (265, 10343), (278, 10376), (394, 10520), (426, 10604), (432, 10631), (434, 10637), (440, 10658), (448, 10688), (455, 10709), (479, 10733), (487, 10748), (558, 11003), (563, 11021), (575, 11051), (576, 11054), (580, 11060), (611, 11171), (613, 11177), (620, 11207), (645, 11252), (651, 11261),

Gene: NEHalo_12 Start: 8256, Stop: 9698, Start Num: 109

Candidate Starts for NEHalo_12:

(64, 8190), (Start: 109 @8256 has 196 MA's), (183, 8454), (265, 8667), (394, 8862), (399, 8874), (432, 8973), (509, 9168), (521, 9207), (545, 9285), (547, 9291), (558, 9339), (561, 9351), (564, 9360), (580, 9393), (592, 9450), (620, 9540), (635, 9573), (644, 9585),

Gene: NaSiaTalie_13 Start: 9265, Stop: 10725, Start Num: 74

Candidate Starts for NaSiaTalie_13:

(Start: 74 @9265 has 580 MA's), (121, 9325), (156, 9418), (160, 9430), (265, 9712), (278, 9745), (395, 9892), (399, 9901), (411, 9925), (426, 9973), (432, 10000), (434, 10006), (440, 10027), (525, 10255), (558, 10372), (564, 10393), (575, 10420), (580, 10429), (613, 10546), (620, 10576), (633, 10606), (651, 10630),

Gene: Nabi_7 Start: 4053, Stop: 5489, Start Num: 102

Candidate Starts for Nabi_7:

(Start: 96 @4047 has 4 MA's), (Start: 102 @4053 has 236 MA's), (117, 4077), (125, 4101), (Start: 149 @4170 has 2 MA's), (172, 4218), (175, 4230), (185, 4269), (228, 4422), (253, 4452), (298, 4536), (326, 4578), (373, 4644), (419, 4734), (423, 4746), (443, 4821), (448, 4839), (483, 4917), (498, 4962), (511, 5019), (578, 5232), (585, 5256), (622, 5388), (681, 5475),

Gene: Naca_10 Start: 7848, Stop: 9281, Start Num: 76

Candidate Starts for Naca_10:

(Start: 76 @7848 has 71 MA's), (152, 7977), (173, 8016), (177, 8031), (229, 8205), (244, 8232), (265, 8277), (278, 8310), (288, 8331), (344, 8391), (398, 8463), (399, 8466), (426, 8538), (434, 8571), (440, 8592), (448, 8622), (545, 8883), (558, 8937), (563, 8955), (580, 8994), (613, 9111), (620, 9141), (633, 9171), (645, 9186), (652, 9195),

Gene: NadineRae_25 Start: 11379, Stop: 13001, Start Num: 44

Candidate Starts for NadineRae_25:

(16, 10932), (18, 10995), (22, 11043), (Start: 44 @11379 has 6 MA's), (Start: 71 @11424 has 30 MA's), (94, 11457), (270, 11928), (371, 12063), (397, 12108), (441, 12240), (450, 12270), (486, 12351), (509, 12447), (518, 12477), (522, 12492), (558, 12615), (560, 12624), (575, 12660), (584, 12684), (601, 12750), (607, 12768), (609, 12777), (621, 12822),

Gene: Naiad_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Naiad_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Naira_13 Start: 9995, Stop: 11437, Start Num: 109

Candidate Starts for Naira_13:

(64, 9929), (Start: 109 @9995 has 196 MA's), (183, 10193), (265, 10406), (394, 10601), (399, 10613), (432, 10712), (509, 10907), (521, 10946), (545, 11024), (547, 11030), (558, 11078), (561, 11090), (564, 11099), (592, 11189), (620, 11279), (635, 11312), (644, 11324),

Gene: Naji_16 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for Naji_16:

(Start: 74 @9159 has 580 MA's), (121, 9219), (156, 9312), (160, 9324), (256, 9588), (265, 9606), (374, 9750), (398, 9792), (426, 9867), (432, 9894), (434, 9900), (440, 9921), (441, 9927), (558, 10266), (564, 10287), (575, 10314), (580, 10323), (604, 10410), (613, 10440), (620, 10470), (633, 10500), (651, 10524),

Gene: Nancinator_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Nancinator_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Nanodon_9 Start: 4252, Stop: 5685, Start Num: 102

Candidate Starts for Nanodon_9:

(Start: 96 @4246 has 4 MA's), (Start: 102 @4252 has 236 MA's), (117, 4276), (125, 4300), (Start: 149 @4369 has 2 MA's), (172, 4417), (185, 4468), (228, 4621), (253, 4651), (298, 4735), (326, 4777), (341, 4804), (377, 4846), (419, 4930), (423, 4942), (448, 5035), (483, 5113), (498, 5158), (511, 5215), (585, 5452), (661, 5650), (681, 5671),

Gene: Nanosmite_19 Start: 7056, Stop: 8660, Start Num: 48

Candidate Starts for Nanosmite_19:

(Start: 48 @7056 has 21 MA's), (162, 7278), (169, 7290), (183, 7341), (185, 7347), (210, 7419), (211, 7425), (220, 7455), (221, 7458), (226, 7482), (248, 7515), (254, 7524), (257, 7533), (399, 7728), (420, 7776), (436, 7833), (443, 7860), (495, 7959), (504, 7995), (520, 8049), (532, 8079), (534, 8082), (552, 8154), (553, 8157), (557, 8178), (594, 8301), (664, 8460), (684, 8502), (691, 8517),

Gene: NatB6_25 Start: 13946, Stop: 15535, Start Num: 71

Candidate Starts for NatB6_25:

(Start: 71 @13946 has 30 MA's), (Start: 74 @13952 has 580 MA's), (87, 13967), (91, 13976), (121, 14030), (185, 14222), (210, 14300), (216, 14324), (223, 14354), (348, 14558), (371, 14585), (388, 14612), (422, 14702), (441, 14774), (445, 14789), (450, 14804), (486, 14885), (522, 15026), (553, 15125), (555, 15140), (558, 15149), (560, 15158), (575, 15194), (584, 15218), (607, 15302), (609, 15311), (621, 15356),

Gene: Natosaleda_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Natosaleda_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: NearlyHeadless_10 Start: 7460, Stop: 8890, Start Num: 76

Candidate Starts for NearlyHeadless_10:

(25, 7112), (Start: 76 @7460 has 71 MA's), (159, 7610), (211, 7757), (265, 7892), (344, 8003), (394, 8066), (415, 8111), (432, 8177), (440, 8204), (507, 8369), (537, 8471), (558, 8549), (559, 8555), (580, 8606), (613, 8723), (620, 8753), (652, 8807),

Gene: Nebs_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Nebs_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Nebulosus_15 Start: 8380, Stop: 9840, Start Num: 74

Candidate Starts for Nebulosus_15:

(Start: 74 @8380 has 580 MA's), (121, 8440), (160, 8545), (184, 8611), (248, 8794), (265, 8827), (278, 8860), (426, 9091), (432, 9118), (434, 9124), (440, 9145), (445, 9166), (455, 9196), (479, 9220), (507, 9310), (515, 9340), (545, 9436), (552, 9463), (558, 9490), (563, 9508), (564, 9511), (575, 9544), (580, 9553), (613, 9670), (620, 9700), (651, 9754),

Gene: Nedarya_14 Start: 8970, Stop: 10430, Start Num: 74

Candidate Starts for Nedarya_14:

(Start: 74 @8970 has 580 MA's), (121, 9030), (160, 9135), (173, 9156), (184, 9201), (265, 9417), (278, 9450), (320, 9510), (426, 9681), (432, 9708), (434, 9714), (440, 9735), (445, 9756), (515, 9930), (544, 10023), (545, 10026), (552, 10053), (558, 10080), (564, 10101), (575, 10128), (580, 10137), (613, 10254), (620, 10284), (651, 10338),

Gene: Neeharika16_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for Neeharika16_16:

(Start: 74 @9274 has 580 MA's), (94, 9295), (121, 9334), (152, 9421), (157, 9433), (160, 9439), (265, 9721), (408, 9934), (426, 9985), (432, 10012), (434, 10018), (440, 10039), (564, 10405), (575, 10432),

(580, 10441), (593, 10501), (613, 10558), (620, 10588), (633, 10618), (653, 10645),

Gene: Nemo27_12 Start: 8577, Stop: 10028, Start Num: 74

Candidate Starts for Nemo27_12:

(Start: 74 @8577 has 580 MA's), (156, 8724), (160, 8736), (217, 8904), (224, 8934), (244, 8973), (253, 8991), (278, 9051), (385, 9180), (394, 9198), (399, 9210), (432, 9309), (434, 9315), (440, 9336), (441, 9342), (475, 9411), (497, 9471), (507, 9516), (545, 9642), (546, 9645), (558, 9696), (564, 9717), (575, 9747), (602, 9837), (613, 9873), (620, 9903), (633, 9933),

Gene: Nerdos_7 Start: 4081, Stop: 5523, Start Num: 102

Candidate Starts for Nerdos_7:

(Start: 93 @4072 has 3 MA's), (Start: 96 @4075 has 4 MA's), (Start: 102 @4081 has 236 MA's), (Start: 149 @4198 has 2 MA's), (172, 4246), (298, 4564), (326, 4606), (341, 4633), (369, 4666), (419, 4759), (423, 4771), (448, 4864), (483, 4942), (498, 4987), (511, 5044), (518, 5068), (585, 5281), (681, 5509),

Gene: Nergal_6 Start: 3615, Stop: 5081, Start Num: 75

Candidate Starts for Nergal_6:

(Start: 75 @3615 has 1 MA's), (Start: 77 @3618 has 1 MA's), (Start: 99 @3645 has 43 MA's), (Start: 119 @3684 has 2 MA's), (151, 3765), (163, 3789), (178, 3825), (180, 3834), (183, 3849), (210, 3924), (212, 3933), (219, 3957), (230, 3999), (326, 4188), (399, 4317), (418, 4359), (431, 4410), (436, 4425), (508, 4590), (521, 4632), (528, 4653), (540, 4695), (557, 4761), (558, 4764), (594, 4884), (598, 4893), (605, 4914), (609, 4929), (632, 4995), (673, 5067),

Gene: Nerujay_13 Start: 9091, Stop: 10533, Start Num: 109

Candidate Starts for Nerujay_13:

(64, 9025), (Start: 109 @9091 has 196 MA's), (183, 9289), (265, 9502), (394, 9697), (432, 9808), (453, 9880), (509, 10003), (521, 10042), (545, 10120), (547, 10126), (558, 10174), (561, 10186), (564, 10195), (592, 10285), (620, 10375), (635, 10408), (644, 10420),

Gene: Nesbitt_3 Start: 2376, Stop: 3785, Start Num: 105

Candidate Starts for Nesbitt_3:

(Start: 99 @2370 has 43 MA's), (Start: 105 @2376 has 3 MA's), (158, 2511), (177, 2556), (181, 2571), (182, 2574), (211, 2664), (225, 2718), (262, 2781), (272, 2808), (293, 2847), (316, 2880), (391, 2976), (398, 2991), (399, 2994), (423, 3051), (441, 3120), (448, 3144), (490, 3234), (511, 3315), (515, 3330), (536, 3384), (545, 3423), (558, 3477), (581, 3540), (609, 3642), (612, 3651), (614, 3663), (615, 3666), (620, 3684), (633, 3711), (647, 3732),

Gene: Netyap_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Netyap_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: Neville_13 Start: 6263, Stop: 7762, Start Num: 53

Candidate Starts for Neville_13:

(49, 6257), (Start: 53 @6263 has 7 MA's), (87, 6317), (114, 6359), (121, 6377), (127, 6395), (Start: 149 @6458 has 2 MA's), (163, 6488), (165, 6491), (170, 6497), (177, 6521), (183, 6548), (210, 6626), (257, 6743), (283, 6800), (334, 6863), (341, 6878), (394, 6935), (399, 6947), (425, 7010), (426, 7013), (428, 7025), (436, 7052), (448, 7097), (466, 7130), (482, 7139), (490, 7160), (518, 7265), (537, 7325), (548, 7358), (551, 7373), (563, 7421), (567, 7433), (576, 7451), (585, 7478), (594, 7523), (596, 7529),

(606, 7556), (608, 7565), (624, 7613), (636, 7637), (684, 7721),

Gene: Newrala_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for Newrala_16:

(Start: 74 @9274 has 580 MA's), (94, 9295), (121, 9334), (152, 9421), (157, 9433), (160, 9439), (265, 9721), (408, 9934), (426, 9985), (432, 10012), (434, 10018), (440, 10039), (564, 10405), (575, 10432), (580, 10441), (593, 10501), (613, 10558), (620, 10588), (633, 10618), (653, 10645),

Gene: Nhonho_12 Start: 8540, Stop: 9982, Start Num: 109

Candidate Starts for Nhonho_12:

(64, 8474), (Start: 109 @8540 has 196 MA's), (183, 8738), (265, 8951), (394, 9146), (399, 9158), (432, 9257), (453, 9329), (509, 9452), (521, 9491), (545, 9569), (547, 9575), (558, 9623), (561, 9635), (564, 9644), (592, 9734), (620, 9824), (635, 9857), (644, 9869),

Gene: Nibb_8 Start: 3011, Stop: 4555, Start Num: 47

Candidate Starts for Nibb_8:

(31, 2879), (32, 2885), (33, 2906), (Start: 42 @2996 has 24 MA's), (Start: 47 @3011 has 130 MA's), (121, 3119), (Start: 149 @3200 has 2 MA's), (158, 3224), (174, 3257), (215, 3389), (220, 3404), (225, 3428), (226, 3431), (274, 3509), (292, 3548), (326, 3605), (359, 3665), (365, 3680), (376, 3698), (394, 3734), (398, 3743), (415, 3779), (426, 3812), (430, 3833), (437, 3854), (444, 3884), (482, 3917), (489, 3935), (498, 3965), (508, 4013), (512, 4025), (513, 4028), (516, 4040), (517, 4043), (557, 4175), (563, 4196), (570, 4217), (582, 4238), (592, 4289), (593, 4292), (601, 4313), (608, 4337), (612, 4349), (624, 4385), (674, 4472),

Gene: Nicholas_6 Start: 2756, Stop: 4399, Start Num: 74

Candidate Starts for Nicholas_6:

(Start: 74 @2756 has 580 MA's), (118, 2816), (178, 2966), (185, 2996), (210, 3068), (228, 3134), (257, 3182), (318, 3275), (341, 3314), (406, 3404), (411, 3413), (418, 3428), (492, 3617), (502, 3650), (510, 3689), (522, 3731), (582, 3914), (591, 3956), (598, 3983), (601, 3992), (617, 4052), (633, 4082), (638, 4091), (681, 4166), (697, 4199),

Gene: Nicholasp3_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Nicholasp3_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: NicoleTera_17 Start: 10971, Stop: 12434, Start Num: 74

Candidate Starts for NicoleTera_17:

(Start: 74 @10971 has 580 MA's), (121, 11031), (160, 11136), (265, 11418), (308, 11496), (395, 11601), (426, 11682), (432, 11709), (434, 11715), (440, 11736), (558, 12081), (563, 12099), (564, 12102), (569, 12117), (575, 12129), (580, 12138), (613, 12255), (620, 12285), (633, 12315), (651, 12339),

Gene: Nikao_5 Start: 2283, Stop: 3839, Start Num: 47

Candidate Starts for Nikao_5:

(32, 2157), (33, 2178), (Start: 42 @2268 has 24 MA's), (Start: 47 @2283 has 130 MA's), (104, 2352), (113, 2367), (121, 2388), (Start: 149 @2469 has 2 MA's), (158, 2493), (174, 2526), (183, 2562), (210, 2637), (215, 2658), (220, 2673), (274, 2778), (312, 2844), (326, 2874), (354, 2928), (376, 2970), (394, 3006), (399, 3018), (415, 3051), (426, 3084), (437, 3126), (444, 3156), (482, 3189), (489, 3207), (490,

3213), (504, 3267), (508, 3285), (512, 3297), (516, 3312), (517, 3315), (530, 3348), (557, 3447), (558, 3450), (563, 3468), (582, 3510), (592, 3561), (593, 3564), (601, 3585), (608, 3609), (609, 3612), (612, 3621), (624, 3657), (628, 3672), (640, 3693),

Gene: Niklas_9 Start: 3102, Stop: 4652, Start Num: 47

Candidate Starts for Niklas_9:

(33, 2997), (Start: 42 @3087 has 24 MA's), (Start: 47 @3102 has 130 MA's), (121, 3204), (Start: 149 @3285 has 2 MA's), (158, 3309), (177, 3351), (210, 3453), (215, 3474), (220, 3489), (269, 3579), (274, 3594), (317, 3669), (339, 3714), (357, 3744), (364, 3759), (365, 3765), (376, 3783), (394, 3819), (399, 3831), (415, 3864), (426, 3897), (430, 3918), (435, 3933), (437, 3939), (444, 3969), (482, 4002), (489, 4020), (508, 4098), (512, 4110), (513, 4113), (516, 4125), (517, 4128), (534, 4164), (557, 4260), (558, 4263), (563, 4281), (582, 4323), (592, 4374), (601, 4398), (608, 4422), (609, 4425), (612, 4434), (633, 4494), (658, 4530), (674, 4557),

Gene: Nimbo_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Nimbo_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Niobe_3 Start: 2266, Stop: 3642, Start Num: 99

Candidate Starts for Niobe_3:

(Start: 99 @2266 has 43 MA's), (Start: 149 @2386 has 2 MA's), (185, 2485), (310, 2749), (449, 3022), (515, 3181), (534, 3229), (540, 3259), (548, 3283), (598, 3457), (647, 3577),

Gene: Nishikigoi_7 Start: 3857, Stop: 5332, Start Num: 102

Candidate Starts for Nishikigoi_7:

(Start: 102 @3857 has 236 MA's), (Start: 149 @3974 has 2 MA's), (185, 4073), (210, 4166), (369, 4439), (423, 4544), (443, 4619), (448, 4637), (452, 4649), (454, 4655), (498, 4802), (509, 4853), (511, 4859), (525, 4907), (563, 5039), (585, 5096), (609, 5186), (681, 5318),

Gene: Nitro_3 Start: 2266, Stop: 3648, Start Num: 99

Candidate Starts for Nitro_3:

(Start: 99 @2266 has 43 MA's), (Start: 149 @2386 has 2 MA's), (185, 2485), (310, 2749), (449, 3022), (487, 3076), (515, 3181), (534, 3229), (540, 3259), (548, 3283), (598, 3457), (647, 3577),

Gene: Nitzel_4 Start: 2903, Stop: 4261, Start Num: 102

Candidate Starts for Nitzel_4:

(Start: 102 @2903 has 236 MA's), (Start: 120 @2939 has 8 MA's), (Start: 128 @2963 has 1 MA's), (132, 2972), (134, 2978), (135, 2981), (148, 3020), (177, 3086), (178, 3089), (198, 3158), (210, 3197), (212, 3206), (227, 3254), (265, 3314), (285, 3362), (320, 3407), (380, 3452), (391, 3479), (413, 3524), (421, 3545), (422, 3548), (423, 3551), (428, 3572), (430, 3581), (444, 3632), (445, 3635), (448, 3644), (459, 3674), (467, 3695), (493, 3764), (496, 3773), (506, 3824), (507, 3827), (524, 3887), (526, 3893), (550, 3971), (558, 4004), (561, 4016), (576, 4049), (580, 4055), (587, 4079), (631, 4223),

Gene: Nivrat_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for Nivrat_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861),

(421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: Niza_14 Start: 9768, Stop: 11210, Start Num: 109

Candidate Starts for Niza_14:

(64, 9702), (Start: 109 @9768 has 196 MA's), (183, 9966), (265, 10179), (320, 10278), (394, 10374), (399, 10386), (432, 10485), (453, 10557), (509, 10680), (521, 10719), (545, 10797), (547, 10803), (558, 10851), (561, 10863), (564, 10872), (592, 10962), (620, 11052), (635, 11085), (644, 11097),

Gene: Noella_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Noella_13:

(Start: 74 @8738 has 580 MA's), (112, 8777), (160, 8903), (189, 8987), (211, 9050), (221, 9083), (224, 9101), (244, 9140), (256, 9167), (278, 9218), (385, 9344), (390, 9356), (398, 9371), (399, 9374), (426, 9446), (432, 9473), (434, 9479), (440, 9500), (441, 9506), (448, 9530), (475, 9572), (507, 9677), (545, 9803), (546, 9806), (558, 9857), (559, 9863), (564, 9878), (575, 9908), (613, 10034), (620, 10064), (635, 10094),

Gene: Noelle_12 Start: 8644, Stop: 10092, Start Num: 74

Candidate Starts for Noelle_12:

(Start: 74 @8644 has 580 MA's), (156, 8794), (160, 8806), (211, 8953), (217, 8974), (224, 9004), (244, 9043), (253, 9061), (278, 9121), (394, 9268), (399, 9280), (411, 9304), (432, 9379), (434, 9385), (440, 9406), (441, 9412), (497, 9541), (507, 9586), (545, 9712), (546, 9715), (558, 9766), (564, 9787), (575, 9814), (602, 9904), (613, 9940), (620, 9970), (633, 10000),

Gene: Norbert_12 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Norbert_12:

(Start: 74 @8738 has 580 MA's), (112, 8777), (160, 8903), (189, 8987), (211, 9050), (221, 9083), (224, 9101), (244, 9140), (256, 9167), (278, 9218), (385, 9344), (390, 9356), (398, 9371), (399, 9374), (426, 9446), (432, 9473), (434, 9479), (440, 9500), (441, 9506), (448, 9530), (475, 9572), (507, 9677), (545, 9803), (546, 9806), (558, 9857), (559, 9863), (564, 9878), (575, 9908), (613, 10034), (620, 10064), (635, 10094),

Gene: NormanBulbieJr_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for NormanBulbieJr_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: NorthStar_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for NorthStar_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Norvs_32 Start: 10446, Stop: 12062, Start Num: 62

Candidate Starts for Norvs_32:

(Start: 62 @10446 has 16 MA's), (Start: 97 @10497 has 14 MA's), (104, 10506), (Start: 128 @10566 has 1 MA's), (148, 10623), (166, 10659), (181, 10704), (187, 10731), (265, 10935), (276, 10965), (296,

11001), (331, 11046), (345, 11055), (352, 11070), (421, 11208), (422, 11211), (427, 11229), (428, 11235), (440, 11277), (494, 11469), (515, 11556), (524, 11586), (539, 11631), (553, 11679), (555, 11694), (582, 11757), (587, 11781), (588, 11787), (590, 11796), (612, 11865), (629, 11916), (631, 11919), (638, 11931),

Gene: Norz_14 Start: 9403, Stop: 10845, Start Num: 109

Candidate Starts for Norz_14:

(64, 9337), (Start: 109 @9403 has 196 MA's), (183, 9601), (265, 9814), (394, 10009), (399, 10021), (432, 10120), (509, 10315), (521, 10354), (545, 10432), (547, 10438), (558, 10486), (561, 10498), (564, 10507), (592, 10597), (620, 10687), (635, 10720), (644, 10732),

Gene: NosilaM_28 Start: 14569, Stop: 16146, Start Num: 71

Candidate Starts for NosilaM_28:

(Start: 71 @14569 has 30 MA's), (Start: 74 @14575 has 580 MA's), (87, 14590), (89, 14593), (185, 14845), (210, 14923), (216, 14947), (314, 15148), (348, 15181), (371, 15208), (403, 15268), (446, 15403), (450, 15415), (486, 15496), (509, 15592), (522, 15637), (553, 15736), (558, 15760), (560, 15769), (584, 15829), (599, 15889), (603, 15901), (607, 15913), (609, 15922),

Gene: NotAPhaseMom_12 Start: 8582, Stop: 10033, Start Num: 74

Candidate Starts for NotAPhaseMom_12:

(Start: 74 @8582 has 580 MA's), (156, 8729), (160, 8741), (217, 8909), (224, 8939), (244, 8978), (253, 8996), (278, 9056), (385, 9185), (394, 9203), (399, 9215), (432, 9314), (434, 9320), (440, 9341), (441, 9347), (475, 9416), (497, 9476), (507, 9521), (545, 9647), (546, 9650), (558, 9701), (564, 9722), (575, 9752), (602, 9842), (613, 9878), (620, 9908), (633, 9938),

Gene: NothingSpecial_15 Start: 11236, Stop: 12693, Start Num: 74

Candidate Starts for NothingSpecial_15:

(Start: 74 @11236 has 580 MA's), (121, 11296), (152, 11383), (160, 11401), (224, 11599), (265, 11683), (426, 11944), (432, 11971), (434, 11977), (440, 11998), (455, 12049), (558, 12343), (563, 12361), (564, 12364), (575, 12391), (580, 12400), (604, 12487), (613, 12517), (620, 12547), (633, 12577), (651, 12601),

Gene: NovumRegina_25 Start: 14277, Stop: 15866, Start Num: 71

Candidate Starts for NovumRegina_25:

(Start: 71 @14277 has 30 MA's), (Start: 74 @14283 has 580 MA's), (87, 14298), (121, 14361), (185, 14553), (210, 14631), (216, 14655), (223, 14685), (371, 14916), (422, 15033), (441, 15105), (445, 15120), (450, 15135), (486, 15216), (522, 15357), (553, 15456), (555, 15471), (558, 15480), (560, 15489), (575, 15525), (584, 15549), (607, 15633), (609, 15642), (621, 15687),

Gene: Nutello_5 Start: 2283, Stop: 3839, Start Num: 47

Candidate Starts for Nutello_5:

(32, 2157), (33, 2178), (Start: 42 @2268 has 24 MA's), (Start: 47 @2283 has 130 MA's), (104, 2352), (113, 2367), (121, 2388), (Start: 149 @2469 has 2 MA's), (158, 2493), (174, 2526), (183, 2562), (210, 2637), (215, 2658), (220, 2673), (274, 2778), (312, 2844), (326, 2874), (354, 2928), (376, 2970), (394, 3006), (399, 3018), (415, 3051), (426, 3084), (437, 3126), (444, 3156), (482, 3189), (489, 3207), (490, 3213), (504, 3267), (508, 3285), (512, 3297), (516, 3312), (517, 3315), (530, 3348), (557, 3447), (558, 3450), (563, 3468), (582, 3510), (592, 3561), (593, 3564), (601, 3585), (608, 3609), (609, 3612), (612, 3621), (624, 3657), (628, 3672), (640, 3693),

Gene: Nyceirae_7 Start: 3039, Stop: 4517, Start Num: 98

Candidate Starts for Nyceirae_7:

(Start: 98 @3039 has 18 MA's), (114, 3063), (118, 3072), (155, 3162), (179, 3222), (182, 3234), (183, 3243), (206, 3300), (219, 3351), (220, 3354), (221, 3357), (226, 3381), (245, 3414), (260, 3438), (280,

3486), (286, 3498), (309, 3531), (329, 3570), (333, 3576), (350, 3600), (381, 3648), (390, 3669), (415, 3720), (426, 3753), (438, 3798), (451, 3846), (469, 3906), (475, 3927), (491, 3972), (492, 3975), (500, 3999), (507, 4035), (508, 4041), (521, 4083), (533, 4110), (544, 4155), (554, 4200), (558, 4212), (593, 4314), (603, 4341), (608, 4359), (618, 4398), (640, 4443),

Gene: Nyxis_12 Start: 8524, Stop: 9975, Start Num: 74

Candidate Starts for Nyxis_12:

(Start: 74 @8524 has 580 MA's), (156, 8671), (160, 8683), (217, 8851), (224, 8881), (244, 8920), (253, 8938), (278, 8998), (385, 9127), (394, 9145), (399, 9157), (432, 9256), (434, 9262), (440, 9283), (441, 9289), (475, 9358), (497, 9418), (507, 9463), (545, 9589), (546, 9592), (558, 9643), (559, 9649), (564, 9664), (575, 9694), (602, 9784), (613, 9820), (620, 9850),

Gene: OKCentral2016_12 Start: 8077, Stop: 9519, Start Num: 74

Candidate Starts for OKCentral2016_12:

(Start: 74 @8077 has 580 MA's), (160, 8236), (185, 8305), (211, 8383), (221, 8416), (224, 8434), (243, 8473), (245, 8476), (344, 8635), (390, 8692), (399, 8710), (432, 8809), (434, 8815), (440, 8836), (441, 8842), (507, 9016), (545, 9142), (546, 9145), (558, 9196), (559, 9202), (564, 9217), (575, 9247), (580, 9256), (602, 9337), (613, 9373), (620, 9403), (649, 9454),

Gene: OKaNui_12 Start: 8343, Stop: 9794, Start Num: 74

Candidate Starts for OKaNui_12:

(Start: 74 @8343 has 580 MA's), (156, 8490), (160, 8502), (217, 8670), (224, 8700), (244, 8739), (253, 8757), (278, 8817), (385, 8946), (394, 8964), (399, 8976), (432, 9075), (434, 9081), (440, 9102), (441, 9108), (475, 9177), (497, 9237), (507, 9282), (545, 9408), (546, 9411), (558, 9462), (564, 9483), (575, 9513), (602, 9603), (613, 9639), (620, 9669), (633, 9699),

Gene: Obama12_12 Start: 8557, Stop: 10008, Start Num: 74

Candidate Starts for Obama12_12:

(Start: 74 @8557 has 580 MA's), (160, 8716), (217, 8884), (224, 8914), (244, 8953), (253, 8971), (278, 9031), (385, 9160), (394, 9178), (432, 9289), (434, 9295), (440, 9316), (441, 9322), (475, 9391), (497, 9451), (545, 9622), (546, 9625), (558, 9676), (559, 9682), (564, 9697), (575, 9727), (602, 9817), (613, 9853), (615, 9865), (620, 9883), (633, 9913),

Gene: ObiToo_3 Start: 2292, Stop: 3827, Start Num: 99

Candidate Starts for ObiToo_3:

(Start: 99 @2292 has 43 MA's), (Start: 149 @2412 has 2 MA's), (185, 2511), (310, 2775), (383, 2868), (449, 3048), (515, 3204), (534, 3252), (540, 3282), (548, 3306), (598, 3480), (641, 3591), (683, 3669), (693, 3690),

Gene: Ochi17_3 Start: 2249, Stop: 3607, Start Num: 102

Candidate Starts for Ochi17_3:

(Start: 102 @2249 has 236 MA's), (Start: 119 @2282 has 2 MA's), (Start: 128 @2309 has 1 MA's), (132, 2318), (134, 2324), (135, 2327), (148, 2366), (177, 2432), (178, 2435), (198, 2504), (201, 2510), (210, 2543), (212, 2552), (227, 2600), (265, 2660), (285, 2708), (320, 2753), (380, 2798), (391, 2825), (413, 2870), (421, 2891), (422, 2894), (423, 2897), (428, 2918), (430, 2927), (444, 2978), (445, 2981), (448, 2990), (459, 3020), (467, 3041), (493, 3110), (496, 3119), (506, 3170), (507, 3173), (522, 3227), (524, 3233), (526, 3239), (550, 3317), (558, 3350), (561, 3362), (576, 3395), (580, 3401), (587, 3425), (631, 3569),

Gene: Octobien14_14 Start: 7493, Stop: 8989, Start Num: 53

Candidate Starts for Octobien14_14:

(Start: 53 @7493 has 7 MA's), (Start: 83 @7538 has 5 MA's), (114, 7586), (121, 7604), (183, 7775), (185, 7781), (210, 7853), (220, 7889), (248, 7952), (254, 7961), (257, 7970), (265, 7985), (269, 7994),

(294, 8036), (380, 8132), (381, 8135), (399, 8174), (407, 8192), (436, 8279), (495, 8405), (502, 8426), (525, 8516), (534, 8531), (548, 8585), (551, 8600), (558, 8630), (576, 8678), (578, 8681), (582, 8690), (585, 8705), (594, 8750), (599, 8762), (604, 8777), (606, 8783), (608, 8792), (633, 8858), (636, 8864), (646, 8879),

Gene: Odin_12 Start: 8081, Stop: 9538, Start Num: 74

Candidate Starts for Odin_12:

(Start: 74 @8081 has 580 MA's), (121, 8141), (156, 8234), (160, 8246), (202, 8360), (265, 8528), (399, 8717), (426, 8789), (432, 8816), (434, 8822), (440, 8843), (521, 9056), (558, 9188), (563, 9206), (564, 9209), (575, 9236), (580, 9245), (604, 9332), (613, 9362), (620, 9392), (633, 9422), (651, 9446),

Gene: OfUltron_3 Start: 2249, Stop: 3607, Start Num: 102

Candidate Starts for OfUltron_3:

(Start: 102 @2249 has 236 MA's), (Start: 119 @2282 has 2 MA's), (Start: 128 @2309 has 1 MA's), (132, 2318), (134, 2324), (135, 2327), (148, 2366), (177, 2432), (178, 2435), (198, 2504), (201, 2510), (210, 2543), (212, 2552), (227, 2600), (265, 2660), (285, 2708), (320, 2753), (380, 2798), (391, 2825), (413, 2870), (421, 2891), (422, 2894), (423, 2897), (428, 2918), (430, 2927), (444, 2978), (445, 2981), (448, 2990), (459, 3020), (467, 3041), (493, 3110), (496, 3119), (506, 3170), (507, 3173), (522, 3227), (524, 3233), (526, 3239), (550, 3317), (558, 3350), (561, 3362), (576, 3395), (580, 3401), (587, 3425), (631, 3569),

Gene: OhShagHennessey_5 Start: 2598, Stop: 4271, Start Num: 74

Candidate Starts for OhShagHennessey_5:

(Start: 74 @2598 has 580 MA's), (121, 2661), (137, 2715), (147, 2739), (178, 2808), (183, 2832), (210, 2910), (220, 2946), (265, 3039), (318, 3117), (341, 3156), (394, 3219), (406, 3246), (407, 3249), (418, 3270), (424, 3291), (435, 3333), (436, 3336), (485, 3438), (490, 3453), (492, 3459), (513, 3540), (521, 3567), (522, 3573), (551, 3666), (557, 3693), (559, 3702), (582, 3756), (586, 3777), (591, 3798), (598, 3825), (601, 3834), (617, 3894), (633, 3924), (638, 3933), (697, 4041), (718, 4236),

Gene: Ohfah_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Ohfah_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Ohno789_12 Start: 8545, Stop: 9987, Start Num: 109

Candidate Starts for Ohno789_12:

(Start: 109 @8545 has 196 MA's), (183, 8743), (265, 8956), (394, 9151), (399, 9163), (432, 9262), (509, 9457), (521, 9496), (545, 9574), (547, 9580), (558, 9628), (561, 9640), (564, 9649), (592, 9739), (620, 9829), (635, 9862), (644, 9874),

Gene: OkiRoe_7 Start: 2767, Stop: 4302, Start Num: 47

Candidate Starts for OkiRoe_7:

(Start: 47 @2767 has 130 MA's), (104, 2839), (121, 2875), (124, 2884), (136, 2929), (174, 3013), (178, 3025), (185, 3055), (191, 3073), (210, 3124), (220, 3160), (226, 3187), (265, 3238), (267, 3241), (269, 3247), (274, 3262), (275, 3265), (317, 3337), (319, 3340), (326, 3358), (342, 3388), (365, 3433), (370, 3442), (394, 3487), (415, 3532), (426, 3565), (430, 3586), (435, 3601), (436, 3604), (437, 3607), (482, 3670), (489, 3688), (490, 3694), (508, 3766), (512, 3778), (513, 3781), (517, 3796), (536, 3841), (537, 3856), (544, 3877), (557, 3931), (558, 3934), (563, 3952), (568, 3967), (590, 4033), (593, 4048), (601, 4069), (612, 4105), (624, 4141), (674, 4228),

Gene: Oksu_4 Start: 2200, Stop: 3621, Start Num: 101

Candidate Starts for Oksu_4:

(Start: 101 @2200 has 52 MA's), (116, 2227), (121, 2239), (172, 2368), (177, 2386), (185, 2419), (210, 2488), (220, 2524), (224, 2545), (226, 2551), (253, 2575), (254, 2578), (285, 2653), (289, 2659), (308, 2686), (319, 2704), (339, 2746), (367, 2797), (378, 2815), (394, 2848), (398, 2857), (399, 2860), (420, 2908), (423, 2917), (430, 2947), (436, 2965), (444, 2998), (490, 3055), (512, 3139), (517, 3157), (525, 3184), (532, 3196), (534, 3199), (536, 3205), (537, 3220), (548, 3253), (582, 3358), (601, 3433), (603, 3439), (606, 3448), (608, 3457), (612, 3469), (638, 3532), (666, 3580),

Gene: OlanP_14 Start: 8906, Stop: 10360, Start Num: 74

Candidate Starts for OlanP_14:

(Start: 74 @8906 has 580 MA's), (Start: 110 @8936 has 2 MA's), (121, 8963), (160, 9068), (202, 9182), (221, 9248), (244, 9305), (278, 9383), (279, 9386), (394, 9527), (432, 9638), (434, 9644), (440, 9665), (507, 9830), (545, 9956), (558, 10010), (559, 10016), (564, 10031), (580, 10067), (604, 10154), (613, 10184), (620, 10214), (645, 10259), (652, 10268),

Gene: OldBen_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for OldBen_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Oliynyk_8 Start: 4235, Stop: 5683, Start Num: 96

Candidate Starts for Oliynyk_8:

(Start: 93 @4232 has 3 MA's), (Start: 96 @4235 has 4 MA's), (Start: 102 @4241 has 236 MA's), (Start: 149 @4358 has 2 MA's), (172, 4406), (179, 4430), (298, 4724), (326, 4766), (341, 4793), (419, 4919), (423, 4931), (448, 5024), (483, 5102), (498, 5147), (511, 5204), (518, 5228), (585, 5441), (681, 5669),

Gene: Ollie_14 Start: 8525, Stop: 9979, Start Num: 74

Candidate Starts for Ollie_14:

(Start: 74 @8525 has 580 MA's), (Start: 110 @8555 has 2 MA's), (121, 8582), (160, 8687), (202, 8801), (221, 8867), (244, 8924), (278, 9002), (279, 9005), (394, 9146), (432, 9257), (434, 9263), (440, 9284), (507, 9449), (545, 9575), (558, 9629), (559, 9635), (564, 9650), (580, 9686), (604, 9773), (613, 9803), (620, 9833), (645, 9878), (652, 9887),

Gene: OlympiaSaint_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for OlympiaSaint_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: Omar_8 Start: 4088, Stop: 5557, Start Num: 102

Candidate Starts for Omar_8:

(Start: 102 @4088 has 236 MA's), (Start: 119 @4118 has 2 MA's), (Start: 149 @4205 has 2 MA's), (172, 4253), (175, 4265), (185, 4304), (210, 4397), (215, 4418), (243, 4481), (303, 4574), (341, 4637), (369, 4670), (419, 4763), (423, 4775), (443, 4850), (448, 4868), (454, 4886), (498, 5033), (511, 5090), (563, 5270), (585, 5327), (606, 5405), (609, 5417), (612, 5426), (681, 5543),

Gene: OmniCritical_10 Start: 3907, Stop: 5508, Start Num: 42

Candidate Starts for OmniCritical_10:

(Start: 42 @3907 has 24 MA's), (Start: 45 @3922 has 26 MA's), (56, 3946), (104, 4012), (124, 4057), (Start: 149 @4129 has 2 MA's), (174, 4186), (177, 4195), (178, 4198), (185, 4228), (210, 4297), (215, 4318), (224, 4354), (226, 4360), (253, 4384), (269, 4420), (274, 4435), (292, 4474), (370, 4609), (376, 4618), (385, 4636), (398, 4663), (399, 4666), (415, 4699), (426, 4732), (430, 4753), (437, 4774), (482, 4837), (490, 4861), (498, 4885), (508, 4933), (512, 4945), (515, 4957), (517, 4963), (532, 5002), (561, 5116), (563, 5122), (601, 5293), (609, 5320), (612, 5329), (635, 5392), (642, 5404),

Gene: Omnicron_7 Start: 2826, Stop: 4379, Start Num: 47

Candidate Starts for Omnicron_7:

(Start: 47 @2826 has 130 MA's), (104, 2901), (116, 2925), (121, 2937), (124, 2946), (136, 2991), (Start: 149 @3018 has 2 MA's), (174, 3075), (178, 3087), (210, 3186), (215, 3207), (220, 3222), (226, 3249), (265, 3300), (267, 3303), (274, 3324), (275, 3327), (317, 3399), (326, 3420), (394, 3549), (399, 3561), (415, 3594), (426, 3627), (430, 3648), (435, 3663), (436, 3666), (437, 3669), (482, 3732), (489, 3750), (504, 3810), (508, 3828), (512, 3840), (513, 3843), (517, 3858), (536, 3903), (537, 3918), (544, 3939), (548, 3951), (557, 3993), (558, 3996), (563, 4014), (590, 4095), (593, 4110), (601, 4131), (608, 4155), (612, 4167), (624, 4203), (674, 4290), (678, 4302),

Gene: OneUp_25 Start: 8258, Stop: 9868, Start Num: 62

Candidate Starts for OneUp_25:

(Start: 62 @8258 has 16 MA's), (Start: 97 @8309 has 14 MA's), (104, 8318), (148, 8435), (166, 8471), (181, 8516), (187, 8543), (265, 8747), (302, 8822), (345, 8867), (410, 8987), (422, 9023), (427, 9041), (428, 9047), (439, 9086), (440, 9089), (474, 9218), (524, 9398), (539, 9443), (553, 9491), (587, 9593), (588, 9599), (590, 9608), (612, 9677), (615, 9692), (629, 9728), (631, 9731), (638, 9743),

Gene: Oofda_16 Start: 8351, Stop: 9811, Start Num: 74

Candidate Starts for Oofda_16:

(Start: 74 @8351 has 580 MA's), (121, 8411), (160, 8516), (184, 8582), (248, 8765), (265, 8798), (278, 8831), (426, 9062), (432, 9089), (434, 9095), (440, 9116), (445, 9137), (455, 9167), (479, 9191), (515, 9311), (545, 9407), (552, 9434), (558, 9461), (563, 9479), (564, 9482), (575, 9515), (580, 9524), (613, 9641), (620, 9671), (651, 9725),

Gene: Oogway_11 Start: 8676, Stop: 10118, Start Num: 109

Candidate Starts for Oogway_11:

(64, 8610), (Start: 109 @8676 has 196 MA's), (183, 8874), (265, 9087), (394, 9282), (399, 9294), (432, 9393), (509, 9588), (521, 9627), (545, 9705), (547, 9711), (558, 9759), (561, 9771), (564, 9780), (592, 9870), (620, 9960), (635, 9993), (644, 10005),

Gene: Orange_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Orange_13:

(Start: 74 @9784 has 580 MA's), (116, 9829), (121, 9844), (160, 9949), (265, 10231), (278, 10264), (399, 10420), (426, 10492), (432, 10519), (434, 10525), (440, 10546), (455, 10597), (551, 10861), (558, 10891), (564, 10912), (569, 10927), (575, 10939), (580, 10948), (604, 11035), (613, 11065), (620, 11095), (633, 11125), (679, 11191),

Gene: Oscar_8 Start: 2918, Stop: 4462, Start Num: 47

Candidate Starts for Oscar_8:

(33, 2813), (Start: 42 @2903 has 24 MA's), (Start: 47 @2918 has 130 MA's), (Start: 71 @2954 has 30 MA's), (89, 2972), (116, 3017), (121, 3029), (124, 3038), (Start: 149 @3110 has 2 MA's), (158, 3134), (169, 3152), (174, 3167), (177, 3176), (178, 3179), (215, 3299), (220, 3314), (225, 3338), (226, 3341), (274, 3419), (292, 3458), (317, 3494), (326, 3515), (347, 3554), (370, 3599), (394, 3644), (398, 3653), (415, 3689), (426, 3722), (430, 3743), (437, 3764), (444, 3794), (482, 3827), (489, 3845), (508, 3923),

(512, 3935), (513, 3938), (516, 3950), (517, 3953), (557, 4085), (558, 4088), (563, 4106), (582, 4148), (590, 4187), (592, 4199), (601, 4223), (608, 4247), (609, 4250), (612, 4259), (624, 4295), (674, 4382),

Gene: Outis_26 Start: 14578, Stop: 16155, Start Num: 71

Candidate Starts for Outis_26:

(Start: 71 @14578 has 30 MA's), (Start: 74 @14584 has 580 MA's), (89, 14602), (121, 14662), (185, 14854), (210, 14932), (216, 14956), (314, 15157), (348, 15190), (403, 15277), (419, 15310), (446, 15412), (450, 15424), (486, 15505), (522, 15646), (553, 15745), (558, 15769), (560, 15778), (584, 15838), (599, 15898), (607, 15922), (609, 15931),

Gene: Ovechkin_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Ovechkin_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (525, 3242), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: OwlsT2W_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for OwlsT2W_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Ozzie_7 Start: 4061, Stop: 5503, Start Num: 102

Candidate Starts for Ozzie_7:

(Start: 93 @4052 has 3 MA's), (Start: 96 @4055 has 4 MA's), (Start: 102 @4061 has 236 MA's), (Start: 149 @4178 has 2 MA's), (172, 4226), (298, 4544), (326, 4586), (341, 4613), (369, 4646), (419, 4739), (423, 4751), (448, 4844), (483, 4922), (498, 4967), (511, 5024), (518, 5048), (585, 5261), (681, 5489),

Gene: OzzyJ_8 Start: 4056, Stop: 5492, Start Num: 102

Candidate Starts for OzzyJ_8:

(Start: 96 @4050 has 4 MA's), (Start: 102 @4056 has 236 MA's), (117, 4080), (125, 4104), (Start: 149 @4173 has 2 MA's), (172, 4221), (175, 4233), (185, 4272), (228, 4425), (298, 4539), (326, 4581), (341, 4608), (369, 4641), (419, 4737), (423, 4749), (443, 4824), (448, 4842), (483, 4920), (498, 4965), (511, 5022), (578, 5235), (585, 5259), (622, 5391), (661, 5457), (681, 5478),

Gene: P1201_28 Start: 15559, Stop: 17196, Start Num: 68

Candidate Starts for P1201_28:

(68, 15559), (154, 15739), (173, 15781), (192, 15850), (204, 15883), (210, 15907), (216, 15931), (226, 15970), (340, 16177), (352, 16204), (410, 16330), (450, 16462), (467, 16510), (493, 16579), (496, 16588), (503, 16624), (522, 16696), (533, 16717), (558, 16816), (563, 16834), (607, 16969), (612, 16987), (621, 17023), (635, 17050), (656, 17062),

Gene: P28Green_14 Start: 8653, Stop: 10107, Start Num: 74

Candidate Starts for P28Green_14:

(Start: 74 @8653 has 580 MA's), (Start: 110 @8683 has 2 MA's), (121, 8710), (160, 8815), (202, 8929), (221, 8995), (244, 9052), (278, 9130), (279, 9133), (394, 9274), (432, 9385), (434, 9391), (440,

9412), (507, 9577), (545, 9703), (558, 9757), (559, 9763), (564, 9778), (580, 9814), (604, 9901), (613, 9931), (620, 9961), (645, 10006), (652, 10015),

Gene: PGHhamlin_16 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for PGHhamlin_16:

(Start: 74 @8646 has 580 MA's), (Start: 110 @8676 has 2 MA's), (121, 8703), (160, 8808), (202, 8922), (221, 8988), (244, 9045), (278, 9123), (279, 9126), (394, 9267), (432, 9378), (434, 9384), (440, 9405), (507, 9570), (545, 9696), (558, 9750), (559, 9756), (564, 9771), (580, 9807), (604, 9894), (613, 9924), (620, 9954), (645, 9999), (652, 10008),

Gene: PHappiness_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for PHappiness_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: PMC_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for PMC_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (642, 3593),

Gene: PP_22 Start: 14143, Stop: 15684, Start Num: 74

Candidate Starts for PP_22:

(Start: 74 @14143 has 580 MA's), (160, 14308), (221, 14539), (256, 14623), (278, 14674), (344, 14755), (385, 14803), (390, 14815), (394, 14821), (398, 14830), (426, 14905), (432, 14932), (434, 14938), (440, 14959), (441, 14965), (448, 14989), (475, 15037), (507, 15142), (545, 15268), (546, 15271), (558, 15322), (559, 15328), (563, 15340), (564, 15343), (583, 15391), (593, 15442), (602, 15463), (604, 15469), (613, 15499), (633, 15559),

Gene: PSullivan_14 Start: 9164, Stop: 10606, Start Num: 109

Candidate Starts for PSullivan_14:

(64, 9098), (Start: 109 @9164 has 196 MA's), (183, 9362), (265, 9575), (394, 9770), (399, 9782), (432, 9881), (453, 9953), (509, 10076), (521, 10115), (545, 10193), (547, 10199), (558, 10247), (561, 10259), (564, 10268), (592, 10358), (620, 10448), (635, 10481), (644, 10493),

Gene: Pablito_7 Start: 3894, Stop: 5375, Start Num: 102

Candidate Starts for Pablito_7:

(Start: 102 @3894 has 236 MA's), (Start: 149 @4011 has 2 MA's), (172, 4059), (175, 4071), (191, 4152), (210, 4203), (300, 4377), (326, 4416), (369, 4476), (419, 4569), (423, 4581), (443, 4656), (448, 4674), (452, 4686), (454, 4692), (456, 4698), (498, 4839), (509, 4890), (511, 4896), (585, 5133), (612, 5232), (622, 5265), (681, 5361),

Gene: Pacc40_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Pacc40_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533),

(212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: PacerPaul_12 Start: 8932, Stop: 10374, Start Num: 109

Candidate Starts for PacerPaul_12:

(64, 8866), (Start: 109 @8932 has 196 MA's), (183, 9130), (265, 9343), (394, 9538), (399, 9550), (432, 9649), (453, 9721), (509, 9844), (521, 9883), (545, 9961), (547, 9967), (558, 10015), (561, 10027), (564, 10036), (592, 10126), (620, 10216), (635, 10249), (644, 10261),

Gene: PackMan_14 Start: 9893, Stop: 11380, Start Num: 74

Candidate Starts for PackMan_14:

(Start: 74 @9893 has 580 MA's), (121, 9956), (160, 10061), (229, 10271), (248, 10310), (265, 10343), (278, 10376), (394, 10520), (411, 10556), (415, 10565), (426, 10604), (432, 10631), (434, 10637), (440, 10658), (448, 10688), (455, 10709), (479, 10733), (487, 10748), (558, 11003), (563, 11021), (575, 11051), (576, 11054), (580, 11060), (611, 11171), (613, 11177), (620, 11207), (645, 11252), (651, 11261),

Gene: Padfoot_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Padfoot_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Padpat_9 Start: 3014, Stop: 4582, Start Num: 42

Candidate Starts for Padpat_9:

(33, 2927), (Start: 42 @3014 has 24 MA's), (Start: 47 @3029 has 130 MA's), (117, 3131), (121, 3140), (143, 3212), (Start: 149 @3221 has 2 MA's), (158, 3245), (174, 3278), (177, 3287), (210, 3389), (215, 3410), (225, 3449), (226, 3452), (269, 3515), (274, 3530), (283, 3554), (317, 3605), (326, 3626), (357, 3680), (415, 3800), (426, 3833), (430, 3854), (437, 3875), (444, 3905), (482, 3938), (489, 3956), (504, 4016), (508, 4034), (512, 4046), (513, 4049), (516, 4061), (517, 4064), (534, 4100), (546, 4148), (558, 4199), (563, 4217), (593, 4313), (601, 4334), (609, 4361), (612, 4370), (624, 4406),

Gene: Paedore_7 Start: 3938, Stop: 5407, Start Num: 102

Candidate Starts for Paedore_7:

(Start: 102 @3938 has 236 MA's), (Start: 149 @4055 has 2 MA's), (172, 4103), (175, 4115), (185, 4154), (210, 4247), (295, 4412), (298, 4418), (423, 4625), (443, 4700), (448, 4718), (452, 4730), (454, 4736), (456, 4742), (498, 4883), (509, 4934), (511, 4940), (536, 5009), (547, 5054), (563, 5120), (585, 5177), (609, 5267), (622, 5309), (681, 5393),

Gene: PainterBoy_14 Start: 9278, Stop: 10750, Start Num: 74

Candidate Starts for PainterBoy_14:

(Start: 74 @9278 has 580 MA's), (121, 9338), (152, 9425), (156, 9431), (160, 9443), (265, 9725), (278, 9758), (394, 9902), (398, 9911), (426, 9986), (431, 10010), (432, 10013), (434, 10019), (440, 10040), (558, 10385), (563, 10403), (564, 10406), (575, 10433), (580, 10442), (613, 10559), (620, 10589), (633, 10619), (645, 10634), (651, 10643), (690, 10703),

Gene: Palestino_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Palestino_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Panamaxus_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Panamaxus_13:

(Start: 74 @8738 has 580 MA's), (112, 8777), (160, 8903), (189, 8987), (211, 9050), (221, 9083), (224, 9101), (244, 9140), (256, 9167), (278, 9218), (385, 9344), (390, 9356), (398, 9371), (399, 9374), (426, 9446), (432, 9473), (434, 9479), (440, 9500), (441, 9506), (448, 9530), (475, 9572), (507, 9677), (545, 9803), (546, 9806), (558, 9857), (559, 9863), (564, 9878), (575, 9908), (613, 10034), (620, 10064), (635, 10094),

Gene: Paola_7 Start: 2766, Stop: 4301, Start Num: 47

Candidate Starts for Paola_7:

(Start: 47 @2766 has 130 MA's), (104, 2838), (121, 2874), (124, 2883), (136, 2928), (174, 3012), (178, 3024), (185, 3054), (191, 3072), (210, 3123), (220, 3159), (226, 3186), (265, 3237), (267, 3240), (269, 3246), (274, 3261), (275, 3264), (317, 3336), (326, 3357), (342, 3387), (365, 3432), (394, 3486), (415, 3531), (426, 3564), (430, 3585), (435, 3600), (436, 3603), (437, 3606), (482, 3669), (489, 3687), (490, 3693), (508, 3765), (512, 3777), (513, 3780), (517, 3795), (536, 3840), (537, 3855), (544, 3876), (557, 3930), (558, 3933), (563, 3951), (568, 3966), (590, 4032), (593, 4047), (601, 4068), (612, 4104), (624, 4140), (674, 4227),

Gene: Paolo_10 Start: 4480, Stop: 5949, Start Num: 102

Candidate Starts for Paolo_10:

(Start: 102 @4480 has 236 MA's), (Start: 149 @4597 has 2 MA's), (175, 4657), (185, 4696), (210, 4789), (215, 4810), (226, 4846), (326, 5002), (341, 5029), (396, 5107), (423, 5167), (434, 5209), (443, 5242), (448, 5260), (454, 5278), (457, 5287), (477, 5368), (498, 5425), (509, 5476), (511, 5482), (563, 5662), (585, 5719), (609, 5809), (612, 5818), (681, 5935),

Gene: Papez_14 Start: 10127, Stop: 11569, Start Num: 109

Candidate Starts for Papez_14:

(64, 10061), (Start: 109 @10127 has 196 MA's), (183, 10325), (265, 10538), (394, 10733), (399, 10745), (432, 10844), (453, 10916), (509, 11039), (521, 11078), (545, 11156), (547, 11162), (558, 11210), (561, 11222), (564, 11231), (580, 11264), (592, 11321), (620, 11411), (635, 11444), (644, 11456),

Gene: Paphu_11 Start: 8121, Stop: 9563, Start Num: 109

Candidate Starts for Paphu_11:

(64, 8055), (Start: 109 @8121 has 196 MA's), (183, 8319), (265, 8532), (394, 8727), (399, 8739), (432, 8838), (509, 9033), (521, 9072), (545, 9150), (547, 9156), (558, 9204), (561, 9216), (564, 9225), (592, 9315), (620, 9405), (635, 9438), (644, 9450),

Gene: Paraselene_11 Start: 8433, Stop: 9875, Start Num: 109

Candidate Starts for Paraselene_11:

(64, 8367), (Start: 109 @8433 has 196 MA's), (183, 8631), (265, 8844), (394, 9039), (399, 9051), (432, 9150), (509, 9345), (521, 9384), (545, 9462), (547, 9468), (558, 9516), (561, 9528), (564, 9537), (592, 9627), (620, 9717), (635, 9750), (644, 9762),

Gene: Pari_13 Start: 8900, Stop: 10342, Start Num: 109

Candidate Starts for Pari_13:

(64, 8834), (Start: 109 @8900 has 196 MA's), (183, 9098), (265, 9311), (394, 9506), (399, 9518), (432, 9617), (509, 9812), (521, 9851), (545, 9929), (547, 9935), (558, 9983), (561, 9995), (564, 10004),

(580, 10037), (592, 10094), (620, 10184), (635, 10217), (644, 10229),

Gene: Parliament_11 Start: 8503, Stop: 9945, Start Num: 109

Candidate Starts for Parliament_11:

(64, 8437), (Start: 109 @8503 has 196 MA's), (183, 8701), (265, 8914), (394, 9109), (399, 9121), (432, 9220), (509, 9415), (521, 9454), (545, 9532), (547, 9538), (558, 9586), (561, 9598), (564, 9607), (592, 9697), (620, 9787), (635, 9820), (644, 9832),

Gene: Partridge_9 Start: 4894, Stop: 6324, Start Num: 74

Candidate Starts for Partridge_9:

(Start: 74 @4894 has 580 MA's), (173, 5071), (179, 5092), (185, 5119), (189, 5134), (211, 5197), (248, 5296), (256, 5311), (344, 5440), (398, 5512), (428, 5599), (430, 5608), (432, 5614), (445, 5662), (487, 5731), (490, 5740), (507, 5806), (509, 5815), (552, 5959), (563, 6004), (564, 6007), (593, 6100), (613, 6157), (620, 6187), (633, 6214), (645, 6226), (649, 6232),

Gene: PascalRango_11 Start: 8299, Stop: 9741, Start Num: 109

Candidate Starts for PascalRango_11:

(64, 8233), (Start: 109 @8299 has 196 MA's), (183, 8497), (265, 8710), (394, 8905), (395, 8908), (432, 9016), (453, 9088), (509, 9211), (521, 9250), (545, 9328), (547, 9334), (558, 9382), (561, 9394), (564, 9403), (592, 9493), (620, 9583), (635, 9616), (644, 9628),

Gene: Patio_28 Start: 14770, Stop: 16353, Start Num: 70

Candidate Starts for Patio_28:

(Start: 70 @14770 has 5 MA's), (Start: 76 @14779 has 71 MA's), (121, 14857), (210, 15124), (254, 15238), (419, 15508), (441, 15592), (445, 15607), (450, 15622), (486, 15703), (522, 15844), (553, 15943), (558, 15967), (560, 15976), (584, 16036), (601, 16102), (607, 16120), (609, 16129), (621, 16174),

Gene: Patt_10 Start: 3854, Stop: 5440, Start Num: 45

Candidate Starts for Patt_10:

(Start: 42 @3839 has 24 MA's), (Start: 45 @3854 has 26 MA's), (56, 3878), (104, 3944), (124, 3989), (Start: 149 @4061 has 2 MA's), (174, 4118), (175, 4121), (178, 4130), (185, 4160), (210, 4229), (215, 4250), (220, 4265), (224, 4286), (226, 4292), (253, 4316), (269, 4352), (274, 4367), (292, 4406), (370, 4541), (376, 4550), (385, 4568), (398, 4595), (399, 4598), (415, 4631), (426, 4664), (430, 4685), (437, 4706), (482, 4769), (490, 4793), (498, 4817), (508, 4865), (512, 4877), (515, 4889), (517, 4895), (532, 4934), (561, 5048), (563, 5054), (601, 5225), (609, 5252), (612, 5261), (635, 5324), (642, 5336),

Gene: PattyP_14 Start: 8957, Stop: 10399, Start Num: 109

Candidate Starts for PattyP_14:

(64, 8891), (Start: 109 @8957 has 196 MA's), (183, 9155), (265, 9368), (394, 9563), (395, 9566), (432, 9674), (453, 9746), (509, 9869), (521, 9908), (545, 9986), (547, 9992), (558, 10040), (561, 10052), (564, 10061), (592, 10151), (620, 10241), (635, 10274), (644, 10286),

Gene: Pawn_15 Start: 8726, Stop: 10180, Start Num: 74

Candidate Starts for Pawn_15:

(Start: 74 @8726 has 580 MA's), (Start: 110 @8756 has 2 MA's), (121, 8783), (160, 8888), (202, 9002), (221, 9068), (244, 9125), (278, 9203), (279, 9206), (394, 9347), (432, 9458), (434, 9464), (440, 9485), (507, 9650), (545, 9776), (558, 9830), (559, 9836), (564, 9851), (580, 9887), (604, 9974), (613, 10004), (620, 10034), (645, 10079), (652, 10088),

Gene: Payneful_11 Start: 8246, Stop: 9688, Start Num: 109

Candidate Starts for Payneful_11:

(64, 8180), (Start: 109 @8246 has 196 MA's), (183, 8444), (265, 8657), (270, 8669), (278, 8693), (394, 8852), (399, 8864), (432, 8963), (509, 9158), (521, 9197), (545, 9275), (547, 9281), (558, 9329), (561, 9341), (564, 9350), (592, 9440), (620, 9530), (635, 9563), (644, 9575),

Gene: PeaceMeal1_11 Start: 6471, Stop: 7931, Start Num: 74

Candidate Starts for PeaceMeal1_11:

(Start: 74 @6471 has 580 MA's), (Start: 110 @6498 has 2 MA's), (134, 6564), (156, 6618), (160, 6630), (168, 6639), (211, 6777), (221, 6810), (224, 6828), (243, 6867), (245, 6870), (278, 6948), (390, 7086), (399, 7104), (432, 7203), (434, 7209), (440, 7230), (441, 7236), (448, 7260), (475, 7311), (507, 7416), (545, 7542), (546, 7545), (558, 7596), (559, 7602), (564, 7617), (575, 7647), (580, 7656), (602, 7737), (613, 7773), (620, 7803), (649, 7854), (651, 7857),

Gene: Peaches_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Peaches_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (431, 9307), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Peanam_9 Start: 3102, Stop: 4652, Start Num: 47

Candidate Starts for Peanam_9:

(33, 2997), (Start: 42 @3087 has 24 MA's), (Start: 47 @3102 has 130 MA's), (121, 3204), (Start: 149 @3285 has 2 MA's), (158, 3309), (177, 3351), (210, 3453), (215, 3474), (220, 3489), (269, 3579), (274, 3594), (317, 3669), (339, 3714), (357, 3744), (364, 3759), (365, 3765), (376, 3783), (394, 3819), (399, 3831), (415, 3864), (426, 3897), (430, 3918), (435, 3933), (437, 3939), (444, 3969), (482, 4002), (489, 4020), (508, 4098), (512, 4110), (513, 4113), (516, 4125), (517, 4128), (534, 4164), (557, 4260), (558, 4263), (563, 4281), (582, 4323), (592, 4374), (601, 4398), (608, 4422), (609, 4425), (612, 4434), (633, 4494), (658, 4530), (674, 4557),

Gene: Peas_3 Start: 2383, Stop: 3747, Start Num: 98

Candidate Starts for Peas_3:

(Start: 98 @2383 has 18 MA's), (170, 2551), (175, 2569), (184, 2605), (226, 2743), (246, 2779), (301, 2890), (313, 2905), (324, 2920), (356, 2965), (370, 2986), (391, 3019), (436, 3139), (504, 3298), (513, 3331), (535, 3385), (558, 3487), (593, 3589), (594, 3595), (659, 3739),

Gene: Peel_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Peel_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: PegLeg_15 Start: 6259, Stop: 7881, Start Num: 48

Candidate Starts for PegLeg_15:

(Start: 48 @6259 has 21 MA's), (56, 6274), (124, 6382), (130, 6400), (147, 6448), (162, 6481), (169, 6493), (177, 6517), (183, 6544), (185, 6550), (210, 6622), (211, 6628), (220, 6658), (248, 6739), (253, 6745), (254, 6748), (263, 6766), (385, 6922), (394, 6940), (399, 6952), (420, 7000), (436, 7057), (437, 7060), (465, 7129), (495, 7183), (504, 7219), (518, 7270), (520, 7273), (532, 7303), (536, 7312), (552, 7378), (553, 7381), (557, 7402), (558, 7405), (578, 7456), (601, 7543), (646, 7654), (663, 7684), (681, 7720), (684, 7726), (691, 7741), (697, 7753), (714, 7837),

Gene: PeggyLeg03_3 Start: 2384, Stop: 3745, Start Num: 98

Candidate Starts for PeggyLeg03_3:

(Start: 98 @2384 has 18 MA's), (144, 2501), (170, 2552), (175, 2570), (184, 2606), (202, 2654), (246, 2780), (281, 2861), (301, 2891), (356, 2966), (399, 3035), (431, 3125), (436, 3140), (513, 3332), (535, 3386), (565, 3506), (594, 3596), (636, 3710),

Gene: Pelly_13 Start: 9132, Stop: 10574, Start Num: 109

Candidate Starts for Pelly_13:

(64, 9066), (Start: 109 @9132 has 196 MA's), (183, 9330), (265, 9543), (345, 9672), (394, 9738), (399, 9750), (432, 9849), (453, 9921), (509, 10044), (521, 10083), (545, 10161), (547, 10167), (558, 10215), (561, 10227), (564, 10236), (592, 10326), (620, 10416), (635, 10449), (644, 10461),

Gene: Pembroke_14 Start: 8655, Stop: 10109, Start Num: 74

Candidate Starts for Pembroke_14:

(Start: 74 @8655 has 580 MA's), (Start: 110 @8685 has 2 MA's), (121, 8712), (160, 8817), (202, 8931), (221, 8997), (244, 9054), (278, 9132), (279, 9135), (394, 9276), (432, 9387), (434, 9393), (440, 9414), (507, 9579), (545, 9705), (558, 9759), (559, 9765), (564, 9780), (580, 9816), (604, 9903), (613, 9933), (620, 9963), (645, 10008), (652, 10017),

Gene: Penny1_14 Start: 8654, Stop: 10108, Start Num: 74

Candidate Starts for Penny1_14:

(Start: 74 @8654 has 580 MA's), (Start: 110 @8684 has 2 MA's), (121, 8711), (160, 8816), (202, 8930), (221, 8996), (244, 9053), (278, 9131), (279, 9134), (394, 9275), (432, 9386), (434, 9392), (440, 9413), (507, 9578), (545, 9704), (558, 9758), (559, 9764), (564, 9779), (580, 9815), (604, 9902), (613, 9932), (620, 9962), (645, 10007), (652, 10016),

Gene: Pepe_13 Start: 9155, Stop: 10597, Start Num: 109

Candidate Starts for Pepe_13:

(64, 9089), (Start: 109 @9155 has 196 MA's), (183, 9353), (265, 9566), (394, 9761), (399, 9773), (432, 9872), (509, 10067), (521, 10106), (545, 10184), (547, 10190), (558, 10238), (561, 10250), (564, 10259), (580, 10292), (592, 10349), (620, 10439), (635, 10472), (644, 10484),

Gene: Percival_3 Start: 2531, Stop: 3802, Start Num: 149

Candidate Starts for Percival_3:

(Start: 149 @2531 has 2 MA's), (185, 2630), (267, 2816), (430, 3089), (452, 3164), (487, 3224), (513, 3320), (525, 3362), (527, 3365), (540, 3407), (591, 3572), (594, 3590), (598, 3599), (683, 3779),

Gene: Perplexer_12 Start: 8581, Stop: 10032, Start Num: 74

Candidate Starts for Perplexer_12:

(Start: 74 @8581 has 580 MA's), (156, 8731), (160, 8743), (211, 8890), (217, 8911), (224, 8941), (244, 8980), (253, 8998), (256, 9007), (278, 9058), (385, 9187), (394, 9205), (415, 9250), (432, 9316), (434, 9322), (440, 9343), (441, 9349), (475, 9418), (497, 9478), (507, 9523), (545, 9649), (546, 9652), (558, 9703), (559, 9709), (563, 9721), (564, 9724), (575, 9751), (604, 9847), (613, 9877), (615, 9889), (620, 9907), (633, 9937),

Gene: Perseus_13 Start: 8816, Stop: 10258, Start Num: 109

Candidate Starts for Perseus_13:

(64, 8750), (Start: 109 @8816 has 196 MA's), (183, 9014), (265, 9227), (394, 9422), (399, 9434), (432, 9533), (453, 9605), (509, 9728), (521, 9767), (545, 9845), (547, 9851), (558, 9899), (561, 9911), (564, 9920), (592, 10010), (620, 10100), (635, 10133), (644, 10145),

Gene: Persistence_3 Start: 2346, Stop: 3683, Start Num: 108

Candidate Starts for Persistence_3:

(85, 2319), (Start: 93 @2334 has 3 MA's), (Start: 108 @2346 has 17 MA's), (125, 2388), (150, 2457), (156, 2469), (206, 2610), (254, 2727), (265, 2751), (278, 2784), (402, 2952), (430, 3036), (434, 3048), (435, 3051), (441, 3075), (454, 3117), (509, 3243), (548, 3369), (557, 3411), (583, 3477), (592, 3525), (620, 3609), (622, 3612), (627, 3618), (657, 3669),

Gene: PeterPeter_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for PeterPeter_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Petersenfast_12 Start: 9787, Stop: 11244, Start Num: 74

Candidate Starts for Petersenfast_12:

(Start: 74 @9787 has 580 MA's), (116, 9832), (121, 9847), (160, 9952), (265, 10234), (278, 10267), (399, 10423), (426, 10495), (432, 10522), (434, 10528), (440, 10549), (455, 10600), (551, 10864), (558, 10894), (564, 10915), (569, 10930), (575, 10942), (580, 10951), (604, 11038), (613, 11068), (620, 11098), (633, 11128), (679, 11194),

Gene: Peterson_15 Start: 10115, Stop: 11557, Start Num: 109

Candidate Starts for Peterson_15:

(64, 10049), (Start: 109 @10115 has 196 MA's), (183, 10313), (265, 10526), (394, 10721), (399, 10733), (432, 10832), (509, 11027), (521, 11066), (545, 11144), (547, 11150), (557, 11195), (558, 11198), (561, 11210), (564, 11219), (580, 11252), (592, 11309), (620, 11399), (635, 11432),

Gene: PeteyPab_13 Start: 8757, Stop: 10319, Start Num: 81

Candidate Starts for PeteyPab_13:

(Start: 71 @8742 has 30 MA's), (Start: 81 @8757 has 6 MA's), (118, 8820), (125, 8841), (136, 8883), (161, 8943), (164, 8952), (170, 8961), (181, 9000), (210, 9096), (256, 9216), (259, 9222), (283, 9285), (287, 9291), (379, 9405), (388, 9426), (414, 9480), (421, 9504), (441, 9579), (445, 9594), (450, 9609), (493, 9714), (496, 9723), (522, 9831), (561, 9963), (585, 10026), (594, 10071), (610, 10116), (612, 10122), (618, 10149), (621, 10158), (628, 10173), (689, 10257),

Gene: PetiteSangsue_12 Start: 8587, Stop: 10038, Start Num: 74

Candidate Starts for PetiteSangsue_12:

(Start: 74 @8587 has 580 MA's), (156, 8737), (160, 8749), (211, 8896), (217, 8917), (224, 8947), (244, 8986), (253, 9004), (256, 9013), (278, 9064), (385, 9193), (394, 9211), (415, 9256), (432, 9322), (434, 9328), (440, 9349), (441, 9355), (475, 9424), (497, 9484), (507, 9529), (545, 9655), (546, 9658), (558, 9709), (559, 9715), (563, 9727), (564, 9730), (575, 9757), (604, 9853), (613, 9883), (615, 9895), (620, 9913), (633, 9943),

Gene: Petp2012_14 Start: 9631, Stop: 11073, Start Num: 109

Candidate Starts for Petp2012_14:

(64, 9565), (Start: 109 @9631 has 196 MA's), (183, 9829), (265, 10042), (394, 10237), (395, 10240), (432, 10348), (453, 10420), (509, 10543), (521, 10582), (545, 10660), (547, 10666), (558, 10714), (561, 10726), (564, 10735), (592, 10825), (620, 10915), (635, 10948), (644, 10960),

Gene: Petruccio_12 Start: 8374, Stop: 9816, Start Num: 109

Candidate Starts for Petruccio_12:

(64, 8308), (Start: 109 @8374 has 196 MA's), (183, 8572), (265, 8785), (394, 8980), (399, 8992), (432, 9091), (509, 9286), (521, 9325), (545, 9403), (547, 9409), (558, 9457), (561, 9469), (564, 9478), (592, 9568), (620, 9658), (635, 9691), (644, 9703),

Gene: PetterN_11 Start: 7735, Stop: 9168, Start Num: 76

Candidate Starts for PetterN_11:

(Start: 76 @7735 has 71 MA's), (152, 7864), (173, 7903), (177, 7918), (229, 8092), (244, 8119), (265, 8164), (278, 8197), (288, 8218), (344, 8278), (398, 8350), (399, 8353), (426, 8425), (434, 8458), (440, 8479), (448, 8509), (545, 8770), (558, 8824), (563, 8842), (580, 8881), (613, 8998), (620, 9028), (633, 9058), (645, 9073), (652, 9082),

Gene: Ph8s_14 Start: 8043, Stop: 9500, Start Num: 74

Candidate Starts for Ph8s_14:

(Start: 74 @8043 has 580 MA's), (121, 8103), (160, 8208), (265, 8490), (399, 8679), (426, 8751), (432, 8778), (434, 8784), (440, 8805), (441, 8811), (521, 9018), (558, 9150), (563, 9168), (564, 9171), (575, 9198), (580, 9207), (604, 9294), (613, 9324), (620, 9354), (633, 9384), (651, 9408), (665, 9429),

Gene: Phacado_12 Start: 8577, Stop: 10028, Start Num: 74

Candidate Starts for Phacado_12:

(Start: 74 @8577 has 580 MA's), (156, 8724), (160, 8736), (217, 8904), (224, 8934), (244, 8973), (253, 8991), (278, 9051), (385, 9180), (394, 9198), (399, 9210), (432, 9309), (434, 9315), (440, 9336), (441, 9342), (475, 9411), (497, 9471), (507, 9516), (545, 9642), (546, 9645), (558, 9696), (564, 9717), (575, 9747), (602, 9837), (613, 9873), (620, 9903), (633, 9933),

Gene: Phaded_16 Start: 11324, Stop: 12778, Start Num: 74

Candidate Starts for Phaded_16:

(Start: 74 @11324 has 580 MA's), (121, 11384), (160, 11489), (202, 11603), (229, 11699), (265, 11771), (426, 12032), (432, 12059), (434, 12065), (440, 12086), (455, 12137), (558, 12431), (563, 12449), (575, 12479), (580, 12488), (593, 12548), (604, 12575), (613, 12605), (620, 12635), (633, 12665), (651, 12689),

Gene: Phaeder_14 Start: 9893, Stop: 11380, Start Num: 74

Candidate Starts for Phaeder_14:

(Start: 74 @9893 has 580 MA's), (121, 9956), (160, 10061), (229, 10271), (248, 10310), (265, 10343), (278, 10376), (394, 10520), (411, 10556), (415, 10565), (426, 10604), (432, 10631), (434, 10637), (440, 10658), (448, 10688), (455, 10709), (479, 10733), (487, 10748), (558, 11003), (563, 11021), (575, 11051), (576, 11054), (580, 11060), (611, 11171), (613, 11177), (620, 11207), (645, 11252), (651, 11261),

Gene: PhailMary_8 Start: 4901, Stop: 6331, Start Num: 74

Candidate Starts for PhailMary_8:

(Start: 74 @4901 has 580 MA's), (173, 5078), (179, 5099), (185, 5126), (189, 5141), (211, 5204), (256, 5318), (344, 5447), (398, 5519), (428, 5606), (430, 5615), (432, 5621), (445, 5669), (487, 5738), (490, 5747), (507, 5813), (509, 5822), (552, 5966), (563, 6011), (564, 6014), (593, 6107), (613, 6164), (620, 6194), (633, 6221), (645, 6233), (649, 6239),

Gene: Phalconet_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Phalconet_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (525, 3242), (526, 3245), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Phanphagia_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Phanphagia_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's),
(132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549),
(212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876),
(421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996),
(459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239),
(526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575),
(642, 3593),

Gene: Phantastic_12 Start: 8155, Stop: 9621, Start Num: 76

Candidate Starts for Phantastic_12:

(Start: 76 @8155 has 71 MA's), (160, 8326), (189, 8410), (211, 8473), (221, 8506), (224, 8524), (244,
8563), (256, 8590), (277, 8638), (390, 8779), (395, 8788), (426, 8869), (431, 8893), (432, 8896), (434,
8902), (440, 8923), (441, 8929), (507, 9100), (545, 9226), (546, 9229), (558, 9280), (559, 9286), (564,
9301), (575, 9331), (613, 9457), (620, 9487), (635, 9517),

Gene: Pharaoh_13 Start: 9690, Stop: 11159, Start Num: 74

Candidate Starts for Pharaoh_13:

(25, 9345), (Start: 74 @9690 has 580 MA's), (121, 9750), (Start: 128 @9774 has 1 MA's), (160, 9855),
(202, 9969), (229, 10065), (265, 10137), (278, 10170), (393, 10311), (426, 10398), (432, 10425), (434,
10431), (440, 10452), (455, 10503), (558, 10797), (563, 10815), (575, 10845), (580, 10854), (593,
10914), (613, 10971), (620, 11001), (625, 11010), (633, 11031), (651, 11055), (698, 11133),

Gene: Pharb_8 Start: 2724, Stop: 4280, Start Num: 47

Candidate Starts for Pharb_8:

(31, 2592), (Start: 42 @2709 has 24 MA's), (Start: 47 @2724 has 130 MA's), (54, 2733), (72, 2754),
(117, 2817), (121, 2826), (158, 2931), (174, 2964), (178, 2976), (210, 3075), (215, 3096), (220, 3111),
(226, 3138), (265, 3189), (269, 3198), (274, 3213), (317, 3288), (326, 3309), (343, 3342), (376, 3402),
(399, 3450), (415, 3483), (426, 3516), (435, 3552), (482, 3621), (489, 3639), (504, 3699), (508, 3717),
(512, 3729), (513, 3732), (517, 3747), (525, 3774), (544, 3828), (546, 3834), (557, 3882), (563, 3903),
(601, 4023), (608, 4047), (609, 4050), (612, 4059), (624, 4095),

Gene: Phasih_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Phasih_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's),
(132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549),
(212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876),
(421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996),
(459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239),
(525, 3242), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431),
(631, 3575), (642, 3593),

Gene: Phatniss_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for Phatniss_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's),
(132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534),
(212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861),
(421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981),
(459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (515, 3194), (522, 3218),
(524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (631, 3560),
(642, 3578),

Gene: Phelipe_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Phelipe_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: PhelpsODU_8 Start: 2988, Stop: 4538, Start Num: 47

Candidate Starts for PhelpsODU_8:

(31, 2856), (33, 2883), (Start: 42 @2973 has 24 MA's), (Start: 47 @2988 has 130 MA's), (121, 3096), (Start: 149 @3177 has 2 MA's), (158, 3201), (177, 3243), (185, 3276), (210, 3345), (215, 3366), (220, 3381), (226, 3408), (274, 3486), (326, 3582), (351, 3627), (376, 3675), (399, 3723), (415, 3756), (426, 3789), (430, 3810), (437, 3831), (444, 3861), (482, 3894), (489, 3912), (512, 4002), (513, 4005), (517, 4020), (534, 4056), (536, 4062), (546, 4104), (558, 4155), (563, 4173), (590, 4254), (592, 4266), (593, 4269), (608, 4314), (609, 4317), (612, 4326),

Gene: PherrisBueller_13 Start: 8584, Stop: 10026, Start Num: 109

Candidate Starts for PherrisBueller_13:

(64, 8518), (Start: 109 @8584 has 196 MA's), (183, 8782), (265, 8995), (394, 9190), (399, 9202), (432, 9301), (509, 9496), (521, 9535), (545, 9613), (547, 9619), (558, 9667), (561, 9679), (564, 9688), (592, 9778), (620, 9868), (635, 9901), (644, 9913),

Gene: PhesterPhotato_3 Start: 2291, Stop: 3625, Start Num: 120

Candidate Starts for PhesterPhotato_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Phettuccine_7 Start: 4081, Stop: 5523, Start Num: 102

Candidate Starts for Phettuccine_7:

(Start: 93 @4072 has 3 MA's), (Start: 96 @4075 has 4 MA's), (Start: 102 @4081 has 236 MA's), (Start: 149 @4198 has 2 MA's), (172, 4246), (298, 4564), (326, 4606), (341, 4633), (369, 4666), (419, 4759), (423, 4771), (448, 4864), (483, 4942), (498, 4987), (511, 5044), (518, 5068), (585, 5281), (681, 5509),

Gene: Phighter1804_12 Start: 8554, Stop: 10005, Start Num: 74

Candidate Starts for Phighter1804_12:

(Start: 74 @8554 has 580 MA's), (160, 8713), (217, 8881), (224, 8911), (244, 8950), (253, 8968), (278, 9028), (385, 9157), (394, 9175), (432, 9286), (434, 9292), (440, 9313), (441, 9319), (475, 9388), (497, 9448), (507, 9493), (545, 9619), (546, 9622), (558, 9673), (559, 9679), (564, 9694), (575, 9724), (602, 9814), (613, 9850), (620, 9880), (633, 9910),

Gene: Phillis_10 Start: 7418, Stop: 8848, Start Num: 76

Candidate Starts for Phillis_10:

(Start: 76 @7418 has 71 MA's), (159, 7568), (211, 7715), (265, 7850), (344, 7961), (394, 8024), (415, 8069), (432, 8135), (440, 8162), (507, 8327), (537, 8429), (558, 8507), (559, 8513), (580, 8564), (613, 8681), (620, 8711), (652, 8765), (697, 8825),

Gene: Philus_3 Start: 2276, Stop: 3610, Start Num: 120

Candidate Starts for Philus_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: PhinkBoden_31 Start: 10827, Stop: 12443, Start Num: 62

Candidate Starts for PhinkBoden_31:

(Start: 62 @10827 has 16 MA's), (Start: 97 @10878 has 14 MA's), (104, 10887), (Start: 128 @10947 has 1 MA's), (148, 11004), (166, 11040), (181, 11085), (187, 11112), (265, 11316), (276, 11346), (296, 11382), (331, 11427), (345, 11436), (352, 11451), (421, 11589), (422, 11592), (427, 11610), (428, 11616), (440, 11658), (494, 11850), (515, 11937), (524, 11967), (539, 12012), (553, 12060), (555, 12075), (582, 12138), (587, 12162), (588, 12168), (590, 12177), (612, 12246), (629, 12297), (631, 12300), (638, 12312),

Gene: PhishRPhriends_13 Start: 7917, Stop: 9371, Start Num: 74

Candidate Starts for PhishRPhriends_13:

(Start: 74 @7917 has 580 MA's), (Start: 110 @7947 has 2 MA's), (121, 7974), (160, 8079), (202, 8193), (221, 8259), (244, 8316), (278, 8394), (279, 8397), (394, 8538), (432, 8649), (434, 8655), (440, 8676), (507, 8841), (545, 8967), (558, 9021), (559, 9027), (564, 9042), (580, 9078), (604, 9165), (613, 9195), (620, 9225), (645, 9270), (652, 9279),

Gene: Phishy_6 Start: 3023, Stop: 4489, Start Num: 98

Candidate Starts for Phishy_6:

(Start: 98 @3023 has 18 MA's), (118, 3056), (155, 3146), (179, 3206), (182, 3218), (183, 3227), (208, 3290), (219, 3335), (220, 3338), (221, 3341), (223, 3356), (224, 3359), (226, 3365), (245, 3398), (260, 3422), (280, 3470), (309, 3515), (320, 3533), (323, 3545), (329, 3554), (333, 3560), (350, 3584), (381, 3632), (415, 3704), (426, 3737), (438, 3782), (451, 3830), (475, 3911), (488, 3944), (492, 3959), (500, 3983), (508, 4025), (521, 4067), (533, 4094), (537, 4118), (554, 4184), (557, 4193), (579, 4244), (592, 4295), (608, 4343), (615, 4370), (618, 4382), (640, 4427), (672, 4472),

Gene: Phives_4 Start: 3338, Stop: 4720, Start Num: 99

Candidate Starts for Phives_4:

(Start: 99 @3338 has 43 MA's), (Start: 149 @3458 has 2 MA's), (185, 3557), (310, 3821), (449, 4094), (515, 4253), (534, 4301), (540, 4331), (548, 4355), (598, 4529), (647, 4649),

Gene: Phlei_9 Start: 9660, Stop: 11111, Start Num: 74

Candidate Starts for Phlei_9:

(Start: 74 @9660 has 580 MA's), (160, 9825), (265, 10107), (394, 10287), (399, 10299), (402, 10305), (426, 10371), (432, 10398), (434, 10404), (439, 10422), (440, 10425), (441, 10431), (455, 10476), (504, 10578), (558, 10770), (563, 10788), (564, 10791), (575, 10818), (580, 10827), (594, 10893), (613, 10944), (620, 10974), (633, 11004), (645, 11019), (653, 11031),

Gene: Phlorence_10 Start: 8047, Stop: 9480, Start Num: 76

Candidate Starts for Phlorence_10:

(Start: 76 @8047 has 71 MA's), (173, 8215), (177, 8230), (179, 8236), (229, 8404), (244, 8431), (278, 8509), (344, 8590), (398, 8662), (399, 8665), (426, 8737), (434, 8770), (440, 8791), (448, 8821), (479, 8866), (545, 9082), (558, 9136), (563, 9154), (580, 9193), (613, 9310), (620, 9340), (633, 9370), (652, 9394),

Gene: Phoebe_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for Phoebe_14:

(Start: 74 @8652 has 580 MA's), (Start: 110 @8682 has 2 MA's), (121, 8709), (160, 8814), (202, 8928), (221, 8994), (244, 9051), (278, 9129), (279, 9132), (394, 9273), (432, 9384), (434, 9390), (440, 9411), (507, 9576), (545, 9702), (558, 9756), (559, 9762), (564, 9777), (580, 9813), (604, 9900), (613, 9930), (620, 9960), (645, 10005), (652, 10014),

Gene: Phomeo_24 Start: 14572, Stop: 16161, Start Num: 71

Candidate Starts for Phomeo_24:

(Start: 71 @14572 has 30 MA's), (Start: 74 @14578 has 580 MA's), (87, 14593), (91, 14602), (121, 14656), (185, 14848), (210, 14926), (216, 14950), (223, 14980), (348, 15184), (371, 15211), (388, 15238), (422, 15328), (441, 15400), (445, 15415), (450, 15430), (486, 15511), (522, 15652), (553, 15751), (555, 15766), (558, 15775), (560, 15784), (575, 15820), (584, 15844), (607, 15928), (609, 15937), (621, 15982),

Gene: Phonnegut_14 Start: 9926, Stop: 11413, Start Num: 74

Candidate Starts for Phonnegut_14:

(Start: 74 @9926 has 580 MA's), (121, 9989), (160, 10094), (185, 10163), (229, 10304), (248, 10343), (265, 10376), (278, 10409), (394, 10553), (426, 10637), (432, 10664), (434, 10670), (440, 10691), (448, 10721), (479, 10766), (487, 10781), (558, 11036), (563, 11054), (575, 11084), (576, 11087), (580, 11093), (611, 11204), (613, 11210), (620, 11240), (645, 11285), (651, 11294),

Gene: Phontbonne_12 Start: 8522, Stop: 9976, Start Num: 74

Candidate Starts for Phontbonne_12:

(Start: 74 @8522 has 580 MA's), (156, 8672), (160, 8684), (217, 8852), (224, 8882), (244, 8921), (253, 8939), (278, 8999), (385, 9128), (394, 9146), (432, 9257), (434, 9263), (440, 9284), (441, 9290), (475, 9359), (497, 9419), (507, 9464), (545, 9590), (546, 9593), (558, 9644), (564, 9665), (575, 9695), (602, 9785), (613, 9821), (620, 9851), (633, 9881),

Gene: Phoxy_14 Start: 8738, Stop: 10192, Start Num: 74

Candidate Starts for Phoxy_14:

(Start: 74 @8738 has 580 MA's), (Start: 110 @8768 has 2 MA's), (121, 8795), (160, 8900), (202, 9014), (221, 9080), (244, 9137), (278, 9215), (279, 9218), (394, 9359), (432, 9470), (434, 9476), (440, 9497), (507, 9662), (545, 9788), (558, 9842), (559, 9848), (564, 9863), (580, 9899), (604, 9986), (613, 10016), (620, 10046), (645, 10091), (652, 10100),

Gene: Phrank_8 Start: 2954, Stop: 4504, Start Num: 47

Candidate Starts for Phrank_8:

(31, 2822), (33, 2849), (Start: 42 @2939 has 24 MA's), (Start: 47 @2954 has 130 MA's), (Start: 71 @2984 has 30 MA's), (121, 3062), (Start: 149 @3143 has 2 MA's), (158, 3167), (177, 3209), (210, 3311), (215, 3332), (220, 3347), (226, 3374), (274, 3452), (292, 3491), (326, 3548), (364, 3617), (376, 3641), (394, 3677), (399, 3689), (415, 3722), (426, 3755), (430, 3776), (437, 3797), (444, 3827), (482, 3860), (489, 3878), (512, 3968), (513, 3971), (517, 3986), (534, 4022), (536, 4028), (546, 4070), (558, 4121), (563, 4139), (592, 4232), (593, 4235), (601, 4256), (608, 4280), (609, 4283), (612, 4292),

Gene: Phrank15_3 Start: 2347, Stop: 3684, Start Num: 108

Candidate Starts for Phrank15_3:

(85, 2320), (Start: 93 @2335 has 3 MA's), (Start: 108 @2347 has 17 MA's), (125, 2389), (127, 2395), (135, 2419), (150, 2458), (156, 2470), (254, 2728), (278, 2785), (386, 2920), (390, 2929), (404, 2956), (430, 3037), (434, 3049), (435, 3052), (441, 3076), (509, 3244), (512, 3253), (525, 3298), (545, 3361), (548, 3370), (557, 3412), (560, 3424), (576, 3463), (593, 3529), (620, 3610), (627, 3619), (657, 3670),

Gene: Phrankenstein_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Phrankenstein_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Phranny_15 Start: 8724, Stop: 10178, Start Num: 74

Candidate Starts for Phranny_15:

(Start: 74 @8724 has 580 MA's), (Start: 110 @8754 has 2 MA's), (121, 8781), (160, 8886), (202, 9000), (221, 9066), (244, 9123), (278, 9201), (279, 9204), (394, 9345), (432, 9456), (434, 9462), (440, 9483), (507, 9648), (545, 9774), (558, 9828), (559, 9834), (564, 9849), (580, 9885), (604, 9972), (613, 10002), (620, 10032), (645, 10077), (652, 10086),

Gene: PhrostyMug_12 Start: 8730, Stop: 10172, Start Num: 109

Candidate Starts for PhrostyMug_12:

(64, 8664), (Start: 109 @8730 has 196 MA's), (183, 8928), (265, 9141), (394, 9336), (432, 9447), (509, 9642), (521, 9681), (545, 9759), (547, 9765), (558, 9813), (561, 9825), (564, 9834), (592, 9924), (620, 10014), (635, 10047), (644, 10059),

Gene: Piatt_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Piatt_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: PickleBack_10 Start: 7757, Stop: 9190, Start Num: 76

Candidate Starts for PickleBack_10:

(Start: 76 @7757 has 71 MA's), (173, 7925), (177, 7940), (179, 7946), (229, 8114), (244, 8141), (278, 8219), (344, 8300), (398, 8372), (399, 8375), (426, 8447), (434, 8480), (440, 8501), (448, 8531), (479, 8576), (545, 8792), (558, 8846), (563, 8864), (580, 8903), (613, 9020), (620, 9050), (633, 9080), (652, 9104),

Gene: PinkPlastic_11 Start: 8499, Stop: 9941, Start Num: 109

Candidate Starts for PinkPlastic_11:

(64, 8433), (Start: 109 @8499 has 196 MA's), (183, 8697), (265, 8910), (394, 9105), (432, 9216), (509, 9411), (521, 9450), (545, 9528), (547, 9534), (558, 9582), (561, 9594), (564, 9603), (592, 9693), (620, 9783), (635, 9816), (644, 9828),

Gene: Pinto_14 Start: 8806, Stop: 10248, Start Num: 109

Candidate Starts for Pinto_14:

(64, 8740), (Start: 109 @8806 has 196 MA's), (183, 9004), (265, 9217), (394, 9412), (395, 9415), (432, 9523), (453, 9595), (509, 9718), (521, 9757), (545, 9835), (547, 9841), (558, 9889), (561, 9901), (564, 9910), (592, 10000), (620, 10090), (635, 10123), (644, 10135),

Gene: Pioneer_14 Start: 9926, Stop: 11413, Start Num: 74

Candidate Starts for Pioneer_14:

(Start: 74 @9926 has 580 MA's), (121, 9989), (160, 10094), (185, 10163), (229, 10304), (248, 10343), (265, 10376), (278, 10409), (394, 10553), (426, 10637), (432, 10664), (434, 10670), (440, 10691), (448, 10721), (479, 10766), (487, 10781), (558, 11036), (563, 11054), (575, 11084), (576, 11087), (580, 11093), (611, 11204), (613, 11210), (620, 11240), (645, 11285), (651, 11294),

Gene: Pipcraft_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Pipcraft_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Piper2020_4 Start: 2202, Stop: 3623, Start Num: 101

Candidate Starts for Piper2020_4:

(Start: 101 @2202 has 52 MA's), (116, 2229), (121, 2241), (172, 2370), (177, 2388), (179, 2394), (185, 2421), (210, 2490), (220, 2526), (224, 2547), (226, 2553), (253, 2577), (254, 2580), (267, 2607), (285, 2655), (289, 2661), (308, 2688), (319, 2706), (367, 2799), (378, 2817), (394, 2850), (398, 2859), (399, 2862), (420, 2910), (423, 2919), (430, 2949), (436, 2967), (444, 3000), (490, 3057), (512, 3141), (517, 3159), (525, 3186), (532, 3198), (534, 3201), (536, 3207), (537, 3222), (548, 3255), (582, 3360), (601, 3435), (603, 3441), (606, 3450), (608, 3459), (612, 3471), (638, 3534), (666, 3582),

Gene: Pippin_14 Start: 9007, Stop: 10449, Start Num: 109

Candidate Starts for Pippin_14:

(64, 8941), (Start: 109 @9007 has 196 MA's), (183, 9205), (265, 9418), (394, 9613), (395, 9616), (432, 9724), (509, 9919), (521, 9958), (545, 10036), (547, 10042), (558, 10090), (561, 10102), (564, 10111), (592, 10201), (620, 10291), (635, 10324), (644, 10336),

Gene: Pippy_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Pippy_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: Piro94_14 Start: 9725, Stop: 11185, Start Num: 74

Candidate Starts for Piro94_14:

(Start: 74 @9725 has 580 MA's), (121, 9785), (156, 9878), (160, 9890), (265, 10172), (278, 10205), (395, 10352), (399, 10361), (426, 10433), (432, 10460), (434, 10466), (440, 10487), (525, 10715), (558, 10832), (564, 10853), (575, 10880), (580, 10889), (613, 11006), (620, 11036), (633, 11066), (651, 11090),

Gene: Pistachio_13 Start: 7740, Stop: 9206, Start Num: 76

Candidate Starts for Pistachio_13:

(Start: 76 @7740 has 71 MA's), (160, 7911), (189, 7995), (211, 8058), (221, 8091), (224, 8109), (244, 8148), (256, 8175), (277, 8223), (390, 8364), (395, 8373), (426, 8454), (431, 8478), (432, 8481), (434, 8487), (439, 8505), (440, 8508), (441, 8514), (507, 8685), (545, 8811), (546, 8814), (558, 8865), (559, 8871), (564, 8886), (575, 8916), (613, 9042), (620, 9072), (635, 9102),

Gene: Pita2_14 Start: 9164, Stop: 10606, Start Num: 109

Candidate Starts for Pita2_14:

(64, 9098), (Start: 109 @9164 has 196 MA's), (183, 9362), (265, 9575), (394, 9770), (399, 9782), (432, 9881), (453, 9953), (509, 10076), (521, 10115), (545, 10193), (547, 10199), (558, 10247), (561, 10259), (564, 10268), (592, 10358), (620, 10448), (635, 10481), (644, 10493),

Gene: Pixelle_3 Start: 2280, Stop: 3659, Start Num: 99

Candidate Starts for Pixelle_3:

(Start: 99 @2280 has 43 MA's), (132, 2352), (Start: 149 @2400 has 2 MA's), (185, 2499), (310, 2763), (383, 2856), (449, 3036), (515, 3192), (534, 3240), (540, 3270), (548, 3294), (598, 3468), (647, 3588),

Gene: Pixie_8 Start: 2674, Stop: 4239, Start Num: 47

Candidate Starts for Pixie_8:

(36, 2641), (Start: 47 @2674 has 130 MA's), (117, 2779), (121, 2788), (126, 2803), (158, 2893), (174, 2926), (178, 2938), (185, 2968), (210, 3037), (215, 3058), (220, 3073), (226, 3100), (265, 3151), (269, 3160), (274, 3175), (292, 3214), (317, 3250), (322, 3265), (326, 3271), (332, 3280), (339, 3295), (365, 3346), (399, 3412), (415, 3445), (418, 3451), (426, 3478), (430, 3499), (437, 3520), (482, 3583), (489, 3601), (508, 3679), (512, 3691), (513, 3694), (517, 3709), (544, 3790), (546, 3796), (557, 3844), (563, 3865), (601, 3982), (609, 4009), (612, 4018), (624, 4054),

Gene: Pleakley_34 Start: 14655, Stop: 16232, Start Num: 71

Candidate Starts for Pleakley_34:

(Start: 71 @14655 has 30 MA's), (Start: 74 @14661 has 580 MA's), (Start: 76 @14664 has 71 MA's), (94, 14691), (121, 14742), (210, 15009), (287, 15204), (298, 15219), (348, 15267), (441, 15471), (445, 15486), (450, 15501), (486, 15582), (509, 15678), (513, 15690), (522, 15723), (553, 15822), (558, 15846), (560, 15855), (575, 15891), (582, 15906), (584, 15915), (607, 15999), (619, 16047), (621, 16053),

Gene: Plumbus_4 Start: 2200, Stop: 3621, Start Num: 101

Candidate Starts for Plumbus_4:

(Start: 101 @2200 has 52 MA's), (116, 2227), (121, 2239), (172, 2368), (177, 2386), (185, 2419), (210, 2488), (220, 2524), (224, 2545), (226, 2551), (253, 2575), (254, 2578), (285, 2653), (289, 2659), (308, 2686), (339, 2746), (394, 2848), (399, 2860), (404, 2869), (418, 2899), (420, 2908), (430, 2947), (436, 2965), (437, 2968), (444, 2998), (490, 3055), (502, 3094), (512, 3139), (517, 3157), (525, 3184), (532, 3196), (534, 3199), (536, 3205), (537, 3220), (548, 3253), (582, 3358), (601, 3433), (603, 3439), (606, 3448), (608, 3457), (612, 3469), (638, 3532), (666, 3580),

Gene: Pmask_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for Pmask_16:

(Start: 74 @9274 has 580 MA's), (94, 9295), (121, 9334), (152, 9421), (157, 9433), (160, 9439), (265, 9721), (408, 9934), (426, 9985), (432, 10012), (434, 10018), (440, 10039), (564, 10405), (575, 10432), (580, 10441), (593, 10501), (613, 10558), (620, 10588), (633, 10618), (653, 10645),

Gene: Pocahontas_13 Start: 8735, Stop: 10204, Start Num: 74

Candidate Starts for Pocahontas_13:

(Start: 74 @8735 has 580 MA's), (112, 8774), (160, 8900), (189, 8984), (211, 9047), (221, 9080), (224, 9098), (244, 9137), (256, 9164), (278, 9215), (385, 9341), (390, 9353), (398, 9368), (399, 9371), (426, 9443), (432, 9470), (434, 9476), (440, 9497), (441, 9503), (448, 9527), (475, 9569), (507, 9674), (545, 9800), (546, 9803), (558, 9854), (559, 9860), (564, 9875), (575, 9905), (613, 10031), (620, 10061), (635, 10091),

Gene: Poenanya_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Poenanya_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Pokerus_8 Start: 2965, Stop: 4536, Start Num: 42

Candidate Starts for Pokerus_8:

(33, 2878), (Start: 42 @2965 has 24 MA's), (Start: 47 @2980 has 130 MA's), (117, 3079), (121, 3088), (143, 3160), (Start: 149 @3169 has 2 MA's), (158, 3193), (174, 3226), (177, 3235), (185, 3268), (210, 3337), (215, 3358), (226, 3400), (269, 3466), (274, 3481), (317, 3556), (326, 3577), (357, 3631), (415, 3751), (426, 3784), (430, 3805), (437, 3826), (444, 3856), (482, 3889), (489, 3907), (504, 3967), (508, 3985), (512, 3997), (513, 4000), (516, 4012), (517, 4015), (534, 4051), (546, 4099), (558, 4150), (563, 4168), (593, 4264), (601, 4285), (609, 4312), (612, 4321), (624, 4357),

Gene: Polka14_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for Polka14_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (142, 2348), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: Pollywog_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Pollywog_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Polymorphads_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Polymorphads_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Polyzuki_29 Start: 15877, Stop: 17466, Start Num: 66

Candidate Starts for Polyzuki_29:

(50, 15850), (Start: 66 @15877 has 7 MA's), (Start: 71 @15883 has 30 MA's), (Start: 76 @15892 has 71 MA's), (89, 15910), (90, 15913), (121, 15970), (135, 16012), (153, 16063), (210, 16237), (211, 16243), (259, 16363), (292, 16438), (298, 16447), (348, 16495), (436, 16675), (441, 16696), (446, 16714), (450, 16726), (493, 16831), (500, 16858), (509, 16903), (513, 16915), (522, 16948), (548, 17026), (553, 17047), (558, 17071), (560, 17080), (570, 17104), (607, 17224), (609, 17233), (615, 17257),

Gene: Pomar16_16 Start: 9200, Stop: 10657, Start Num: 74

Candidate Starts for Pomar16_16:

(Start: 74 @9200 has 580 MA's), (121, 9260), (156, 9353), (160, 9365), (265, 9647), (374, 9791), (398, 9833), (426, 9908), (432, 9935), (434, 9941), (440, 9962), (441, 9968), (558, 10307), (564, 10328), (575, 10355), (580, 10364), (604, 10451), (613, 10481), (620, 10511), (633, 10541), (651, 10565),

Gene: Poompha_11 Start: 6469, Stop: 7929, Start Num: 74

Candidate Starts for Poompha_11:

(Start: 74 @6469 has 580 MA's), (Start: 110 @6496 has 2 MA's), (134, 6562), (156, 6616), (160, 6628), (168, 6637), (185, 6697), (211, 6775), (221, 6808), (224, 6826), (243, 6865), (245, 6868), (278, 6946), (390, 7084), (399, 7102), (432, 7201), (434, 7207), (440, 7228), (441, 7234), (448, 7258), (475,

7309), (507, 7414), (545, 7540), (546, 7543), (558, 7594), (559, 7600), (564, 7615), (575, 7645), (580, 7654), (602, 7735), (613, 7771), (620, 7801), (649, 7852), (651, 7855),

Gene: PopTart_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for PopTart_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Popcicle_13 Start: 8735, Stop: 10204, Start Num: 74

Candidate Starts for Popcicle_13:

(Start: 74 @8735 has 580 MA's), (112, 8774), (160, 8900), (189, 8984), (211, 9047), (221, 9080), (224, 9098), (244, 9137), (256, 9164), (278, 9215), (385, 9341), (390, 9353), (398, 9368), (399, 9371), (426, 9443), (432, 9470), (434, 9476), (440, 9497), (441, 9503), (448, 9527), (475, 9569), (507, 9674), (545, 9800), (546, 9803), (558, 9854), (559, 9860), (564, 9875), (575, 9905), (613, 10031), (620, 10061), (635, 10091),

Gene: PotatoChip_13 Start: 8759, Stop: 10321, Start Num: 81

Candidate Starts for PotatoChip_13:

(Start: 71 @8744 has 30 MA's), (Start: 81 @8759 has 6 MA's), (118, 8822), (125, 8843), (136, 8885), (161, 8945), (164, 8954), (170, 8963), (181, 9002), (210, 9098), (256, 9218), (259, 9224), (283, 9287), (287, 9293), (379, 9407), (388, 9428), (414, 9482), (421, 9506), (441, 9581), (445, 9596), (450, 9611), (493, 9716), (496, 9725), (522, 9833), (561, 9965), (585, 10028), (594, 10073), (610, 10118), (612, 10124), (618, 10151), (621, 10160), (628, 10175), (689, 10259),

Gene: PotatoSplit_15 Start: 8654, Stop: 10108, Start Num: 74

Candidate Starts for PotatoSplit_15:

(Start: 74 @8654 has 580 MA's), (Start: 110 @8684 has 2 MA's), (121, 8711), (160, 8816), (202, 8930), (221, 8996), (244, 9053), (278, 9131), (279, 9134), (394, 9275), (432, 9386), (434, 9392), (440, 9413), (507, 9578), (545, 9704), (558, 9758), (559, 9764), (564, 9779), (580, 9815), (604, 9902), (613, 9932), (620, 9962), (645, 10007), (652, 10016),

Gene: Poushou_4 Start: 2870, Stop: 4285, Start Num: 83

Candidate Starts for Poushou_4:

(Start: 83 @2870 has 5 MA's), (129, 2960), (178, 3089), (183, 3113), (210, 3185), (220, 3221), (339, 3458), (376, 3512), (419, 3608), (434, 3662), (445, 3704), (483, 3746), (540, 3944), (598, 4142),

Gene: Power_13 Start: 9170, Stop: 10633, Start Num: 74

Candidate Starts for Power_13:

(Start: 74 @9170 has 580 MA's), (121, 9230), (160, 9335), (224, 9533), (265, 9617), (278, 9650), (374, 9761), (426, 9878), (432, 9905), (434, 9911), (440, 9932), (441, 9938), (455, 9983), (509, 10106), (558, 10277), (563, 10295), (564, 10298), (575, 10325), (580, 10334), (613, 10451), (620, 10481), (633, 10511),

Gene: Powerpuff_3 Start: 2320, Stop: 3696, Start Num: 99

Candidate Starts for Powerpuff_3:

(Start: 99 @2320 has 43 MA's), (Start: 149 @2440 has 2 MA's), (185, 2539), (198, 2578), (310, 2803), (383, 2896), (449, 3076), (518, 3244), (534, 3283), (540, 3313), (548, 3337), (598, 3511), (601, 3520), (647, 3631),

Gene: Priamo_16 Start: 9302, Stop: 10765, Start Num: 74

Candidate Starts for Priamo_16:

(Start: 74 @9302 has 580 MA's), (94, 9323), (121, 9362), (152, 9449), (157, 9461), (160, 9467), (265, 9749), (408, 9962), (426, 10013), (432, 10040), (433, 10043), (434, 10046), (440, 10067), (564, 10433), (575, 10460), (580, 10469), (593, 10529), (613, 10586), (620, 10616), (633, 10646), (653, 10673),

Gene: Priscilla_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for Priscilla_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: Prithvi_9 Start: 2995, Stop: 4548, Start Num: 47

Candidate Starts for Prithvi_9:

(33, 2893), (Start: 42 @2980 has 24 MA's), (Start: 47 @2995 has 130 MA's), (117, 3094), (121, 3103), (143, 3175), (Start: 149 @3184 has 2 MA's), (158, 3208), (174, 3241), (185, 3283), (210, 3352), (215, 3373), (225, 3412), (274, 3496), (317, 3571), (326, 3592), (357, 3646), (415, 3766), (426, 3799), (430, 3820), (437, 3841), (444, 3871), (482, 3904), (489, 3922), (508, 4000), (512, 4012), (513, 4015), (516, 4027), (517, 4030), (534, 4066), (546, 4114), (563, 4183), (593, 4279), (601, 4300), (609, 4327), (612, 4336), (624, 4372), (652, 4426),

Gene: Priya_14 Start: 9924, Stop: 11411, Start Num: 74

Candidate Starts for Priya_14:

(Start: 74 @9924 has 580 MA's), (121, 9987), (160, 10092), (185, 10161), (229, 10302), (265, 10374), (288, 10428), (394, 10551), (411, 10587), (415, 10596), (426, 10635), (432, 10662), (434, 10668), (440, 10689), (455, 10740), (487, 10779), (558, 11034), (563, 11052), (575, 11082), (576, 11085), (580, 11091), (611, 11202), (613, 11208), (620, 11238), (645, 11283), (651, 11292),

Gene: Provolone_8 Start: 3905, Stop: 5338, Start Num: 102

Candidate Starts for Provolone_8:

(Start: 102 @3905 has 236 MA's), (Start: 149 @4022 has 2 MA's), (172, 4070), (175, 4082), (263, 4325), (319, 4412), (353, 4472), (369, 4490), (373, 4496), (423, 4595), (443, 4670), (448, 4688), (470, 4727), (483, 4763), (511, 4865), (558, 5027), (563, 5045), (585, 5102), (609, 5192), (622, 5234), (661, 5300), (681, 5324),

Gene: Psycho_7 Start: 2788, Stop: 4326, Start Num: 47

Candidate Starts for Psycho_7:

(Start: 47 @2788 has 130 MA's), (117, 2890), (121, 2899), (136, 2953), (174, 3037), (178, 3049), (185, 3079), (191, 3097), (210, 3148), (220, 3184), (225, 3208), (226, 3211), (267, 3265), (274, 3286), (317, 3361), (326, 3382), (342, 3412), (365, 3457), (394, 3511), (415, 3556), (426, 3589), (435, 3625), (437, 3631), (482, 3694), (489, 3712), (508, 3790), (512, 3802), (513, 3805), (517, 3820), (536, 3865), (537, 3880), (544, 3901), (546, 3907), (557, 3955), (558, 3958), (563, 3976), (568, 3991), (590, 4057), (593, 4072), (601, 4093), (612, 4129), (624, 4165), (674, 4252),

Gene: Pucara_3 Start: 2388, Stop: 3749, Start Num: 98

Candidate Starts for Pucara_3:

(Start: 98 @2388 has 18 MA's), (144, 2505), (170, 2556), (175, 2574), (184, 2610), (202, 2658), (224, 2742), (246, 2784), (281, 2865), (301, 2895), (356, 2970), (398, 3036), (399, 3039), (420, 3087), (431, 3129), (436, 3144), (513, 3336), (535, 3390), (565, 3510), (593, 3594), (594, 3600), (636, 3714), (659,

3741),

Gene: Puginator_11 Start: 4426, Stop: 5895, Start Num: 102

Candidate Starts for Puginator_11:

(Start: 102 @4426 has 236 MA's), (Start: 149 @4543 has 2 MA's), (175, 4603), (185, 4642), (210, 4735), (215, 4756), (226, 4792), (326, 4948), (341, 4975), (373, 5014), (401, 5065), (423, 5113), (443, 5188), (448, 5206), (454, 5224), (457, 5233), (477, 5314), (498, 5371), (509, 5422), (511, 5428), (563, 5608), (585, 5665), (609, 5755), (612, 5764), (681, 5881),

Gene: Pukovnik_15 Start: 10888, Stop: 12342, Start Num: 74

Candidate Starts for Pukovnik_15:

(Start: 74 @10888 has 580 MA's), (121, 10948), (160, 11053), (202, 11167), (229, 11263), (256, 11317), (265, 11335), (278, 11368), (399, 11524), (426, 11596), (432, 11623), (434, 11629), (440, 11650), (558, 11995), (575, 12043), (580, 12052), (593, 12112), (604, 12139), (613, 12169), (620, 12199), (633, 12229), (651, 12253),

Gene: Pumbaa_12 Start: 8553, Stop: 10004, Start Num: 74

Candidate Starts for Pumbaa_12:

(Start: 74 @8553 has 580 MA's), (156, 8700), (160, 8712), (217, 8880), (224, 8910), (244, 8949), (253, 8967), (278, 9027), (385, 9156), (394, 9174), (432, 9285), (434, 9291), (440, 9312), (441, 9318), (475, 9387), (497, 9447), (507, 9492), (545, 9618), (546, 9621), (558, 9672), (559, 9678), (564, 9693), (575, 9723), (602, 9813), (613, 9849), (620, 9879), (633, 9909),

Gene: Pumpkins_3 Start: 2263, Stop: 3798, Start Num: 97

Candidate Starts for Pumpkins_3:

(Start: 97 @2263 has 14 MA's), (Start: 149 @2383 has 2 MA's), (185, 2482), (310, 2746), (324, 2761), (518, 3184), (534, 3223), (540, 3253), (548, 3277), (598, 3451), (612, 3496), (641, 3562), (683, 3640), (693, 3661),

Gene: Puppy_13 Start: 7812, Stop: 9278, Start Num: 76

Candidate Starts for Puppy_13:

(Start: 76 @7812 has 71 MA's), (160, 7983), (189, 8067), (211, 8130), (221, 8163), (224, 8181), (244, 8220), (256, 8247), (277, 8295), (390, 8436), (395, 8445), (426, 8526), (431, 8550), (432, 8553), (434, 8559), (439, 8577), (440, 8580), (441, 8586), (507, 8757), (545, 8883), (546, 8886), (558, 8937), (559, 8943), (564, 8958), (575, 8988), (613, 9114), (620, 9144), (635, 9174),

Gene: PurpleHaze_14 Start: 8725, Stop: 10179, Start Num: 74

Candidate Starts for PurpleHaze_14:

(Start: 74 @8725 has 580 MA's), (Start: 110 @8755 has 2 MA's), (121, 8782), (160, 8887), (202, 9001), (221, 9067), (244, 9124), (278, 9202), (279, 9205), (394, 9346), (432, 9457), (434, 9463), (440, 9484), (507, 9649), (545, 9775), (558, 9829), (559, 9835), (564, 9850), (580, 9886), (604, 9973), (613, 10003), (620, 10033), (645, 10078), (652, 10087),

Gene: QTRlifeCrisis_12 Start: 9132, Stop: 10574, Start Num: 109

Candidate Starts for QTRlifeCrisis_12:

(64, 9066), (Start: 109 @9132 has 196 MA's), (183, 9330), (265, 9543), (394, 9738), (399, 9750), (432, 9849), (509, 10044), (521, 10083), (545, 10161), (547, 10167), (558, 10215), (561, 10227), (564, 10236), (592, 10326), (620, 10416), (635, 10449), (644, 10461),

Gene: Qobbit_14 Start: 9923, Stop: 11410, Start Num: 74

Candidate Starts for Qobbit_14:

(Start: 74 @9923 has 580 MA's), (121, 9986), (160, 10091), (185, 10160), (229, 10301), (248, 10340), (265, 10373), (278, 10406), (394, 10550), (426, 10634), (432, 10661), (434, 10667), (440, 10688),

(448, 10718), (487, 10778), (558, 11033), (563, 11051), (575, 11081), (576, 11084), (580, 11090), (611, 11201), (613, 11207), (620, 11237), (645, 11282), (651, 11291),

Gene: QueenB2_13 Start: 9238, Stop: 10701, Start Num: 74

Candidate Starts for QueenB2_13:

(Start: 74 @9238 has 580 MA's), (121, 9298), (160, 9403), (224, 9601), (265, 9685), (278, 9718), (374, 9829), (395, 9865), (426, 9946), (432, 9973), (434, 9979), (440, 10000), (441, 10006), (455, 10051), (509, 10174), (558, 10345), (563, 10363), (564, 10366), (575, 10393), (580, 10402), (613, 10519), (620, 10549), (633, 10579), (651, 10603),

Gene: QueenBeesly_13 Start: 9170, Stop: 10633, Start Num: 74

Candidate Starts for QueenBeesly_13:

(Start: 74 @9170 has 580 MA's), (121, 9230), (160, 9335), (224, 9533), (265, 9617), (278, 9650), (374, 9761), (426, 9878), (432, 9905), (434, 9911), (440, 9932), (441, 9938), (455, 9983), (509, 10106), (558, 10277), (563, 10295), (564, 10298), (575, 10325), (580, 10334), (613, 10451), (620, 10481), (633, 10511),

Gene: QuickMath_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for QuickMath_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Quico_4 Start: 2197, Stop: 3618, Start Num: 101

Candidate Starts for Quico_4:

(Start: 101 @2197 has 52 MA's), (116, 2224), (121, 2236), (172, 2365), (178, 2386), (185, 2416), (210, 2485), (215, 2506), (224, 2542), (226, 2548), (253, 2572), (254, 2575), (285, 2650), (289, 2656), (319, 2701), (339, 2743), (394, 2845), (398, 2854), (399, 2857), (404, 2866), (418, 2896), (420, 2905), (430, 2944), (436, 2962), (437, 2965), (444, 2995), (490, 3052), (502, 3091), (512, 3136), (517, 3154), (525, 3181), (532, 3193), (534, 3196), (536, 3202), (548, 3250), (583, 3358), (601, 3430), (606, 3445), (608, 3454), (609, 3457), (630, 3517), (638, 3529), (654, 3553), (666, 3577),

Gene: QuincyRose_8 Start: 3031, Stop: 4599, Start Num: 42

Candidate Starts for QuincyRose_8:

(33, 2944), (Start: 42 @3031 has 24 MA's), (Start: 47 @3046 has 130 MA's), (117, 3145), (121, 3154), (143, 3226), (Start: 149 @3235 has 2 MA's), (158, 3259), (174, 3292), (177, 3301), (185, 3334), (210, 3403), (215, 3424), (226, 3466), (269, 3532), (274, 3547), (317, 3622), (326, 3643), (357, 3697), (415, 3817), (426, 3850), (430, 3871), (437, 3892), (444, 3922), (482, 3955), (489, 3973), (504, 4033), (508, 4051), (512, 4063), (513, 4066), (516, 4078), (517, 4081), (534, 4117), (546, 4165), (558, 4216), (563, 4234), (593, 4330), (601, 4351), (609, 4378), (612, 4387), (624, 4423),

Gene: QuinnKiro_12 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for QuinnKiro_12:

(Start: 74 @8738 has 580 MA's), (112, 8777), (160, 8903), (189, 8987), (211, 9050), (221, 9083), (224, 9101), (244, 9140), (256, 9167), (278, 9218), (385, 9344), (390, 9356), (398, 9371), (399, 9374), (426, 9446), (432, 9473), (434, 9479), (440, 9500), (441, 9506), (448, 9530), (475, 9572), (507, 9677), (545, 9803), (546, 9806), (558, 9857), (559, 9863), (564, 9878), (575, 9908), (613, 10034), (620, 10064), (635, 10094),

Gene: R4_7 Start: 3896, Stop: 5368, Start Num: 102

Candidate Starts for R4_7:

(Start: 102 @3896 has 236 MA's), (Start: 149 @4013 has 2 MA's), (172, 4061), (175, 4073), (178, 4082), (185, 4112), (210, 4205), (295, 4370), (298, 4376), (423, 4583), (443, 4658), (448, 4676), (452, 4688), (454, 4694), (456, 4700), (498, 4841), (509, 4892), (511, 4898), (547, 5012), (563, 5078), (585, 5135), (598, 5189), (622, 5267), (681, 5354),

Gene: RER2_2 Start: 1707, Stop: 3152, Start Num: 74

Candidate Starts for RER2_2:

(Start: 74 @1707 has 580 MA's), (173, 1884), (179, 1905), (185, 1932), (189, 1947), (211, 2010), (248, 2109), (256, 2124), (344, 2253), (394, 2316), (398, 2325), (428, 2412), (430, 2421), (432, 2427), (445, 2475), (478, 2529), (487, 2544), (490, 2553), (507, 2619), (509, 2628), (512, 2637), (552, 2772), (563, 2817), (564, 2820), (593, 2913), (613, 2970), (620, 3000), (633, 3027), (645, 3039), (649, 3045),

Gene: RGL3_2 Start: 1707, Stop: 3143, Start Num: 74

Candidate Starts for RGL3_2:

(38, 1626), (Start: 74 @1707 has 580 MA's), (156, 1851), (173, 1884), (179, 1905), (189, 1947), (211, 2010), (248, 2109), (344, 2253), (394, 2316), (416, 2364), (428, 2412), (432, 2427), (445, 2475), (478, 2529), (487, 2544), (490, 2553), (507, 2619), (509, 2628), (552, 2772), (563, 2817), (564, 2820), (593, 2913), (613, 2970), (620, 3000), (633, 3027), (642, 3036), (649, 3045), (668, 3075), (687, 3105),

Gene: Rabbitrun_15 Start: 6778, Stop: 8271, Start Num: 53

Candidate Starts for Rabbitrun_15:

(Start: 53 @6778 has 7 MA's), (87, 6832), (121, 6892), (Start: 149 @6973 has 2 MA's), (163, 7003), (170, 7012), (175, 7030), (178, 7039), (183, 7063), (185, 7069), (197, 7105), (210, 7141), (234, 7225), (257, 7258), (265, 7273), (276, 7300), (283, 7315), (341, 7393), (380, 7420), (385, 7432), (394, 7450), (395, 7453), (399, 7462), (407, 7480), (425, 7525), (448, 7612), (466, 7645), (482, 7654), (490, 7675), (518, 7780), (525, 7804), (548, 7873), (551, 7888), (557, 7915), (559, 7924), (563, 7936), (582, 7978), (585, 7993), (594, 8038), (599, 8050), (606, 8071), (608, 8080), (684, 8233),

Gene: Rachaly_16 Start: 10917, Stop: 12374, Start Num: 74

Candidate Starts for Rachaly_16:

(Start: 74 @10917 has 580 MA's), (121, 10977), (Start: 128 @11001 has 1 MA's), (156, 11070), (160, 11082), (229, 11292), (244, 11319), (265, 11364), (320, 11457), (399, 11553), (426, 11625), (432, 11652), (434, 11658), (440, 11679), (455, 11730), (558, 12024), (563, 12042), (569, 12060), (575, 12072), (580, 12081), (602, 12162), (604, 12168), (613, 12198), (615, 12210), (620, 12228), (633, 12258),

Gene: RadFad_4 Start: 2262, Stop: 3605, Start Num: 93

Candidate Starts for RadFad_4:

(Start: 93 @2262 has 3 MA's), (Start: 108 @2274 has 17 MA's), (112, 2283), (150, 2385), (156, 2397), (206, 2538), (217, 2583), (222, 2598), (226, 2619), (256, 2655), (265, 2673), (311, 2754), (345, 2799), (404, 2877), (430, 2958), (434, 2970), (435, 2973), (441, 2997), (454, 3039), (505, 3150), (509, 3165), (519, 3195), (548, 3291), (620, 3531), (622, 3534), (627, 3540), (657, 3591),

Gene: Radiance_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Radiance_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Rahalelujah_12 Start: 7969, Stop: 9453, Start Num: 74

Candidate Starts for Rahalelujah_12:

(Start: 74 @7969 has 580 MA's), (121, 8029), (152, 8116), (160, 8134), (229, 8344), (265, 8416), (291, 8473), (374, 8560), (394, 8593), (411, 8629), (415, 8638), (426, 8677), (432, 8704), (434, 8710), (440, 8731), (441, 8737), (455, 8782), (487, 8821), (558, 9079), (563, 9097), (575, 9127), (580, 9136), (611, 9247), (613, 9253), (620, 9283), (645, 9328), (651, 9337),

Gene: Rajelicia_12 Start: 8639, Stop: 10081, Start Num: 109

Candidate Starts for Rajelicia_12:

(64, 8573), (Start: 109 @8639 has 196 MA's), (183, 8837), (265, 9050), (394, 9245), (395, 9248), (399, 9257), (432, 9356), (453, 9428), (509, 9551), (521, 9590), (545, 9668), (547, 9674), (558, 9722), (561, 9734), (564, 9743), (580, 9776), (592, 9833), (620, 9923), (635, 9956), (644, 9968),

Gene: Ramen_9 Start: 3020, Stop: 4579, Start Num: 47

Candidate Starts for Ramen_9:

(33, 2918), (Start: 42 @3005 has 24 MA's), (Start: 47 @3020 has 130 MA's), (117, 3122), (121, 3131), (143, 3203), (Start: 149 @3212 has 2 MA's), (158, 3236), (174, 3269), (177, 3278), (185, 3311), (191, 3329), (210, 3380), (215, 3401), (226, 3443), (269, 3509), (274, 3524), (317, 3599), (326, 3620), (357, 3674), (415, 3794), (426, 3827), (430, 3848), (437, 3869), (444, 3899), (482, 3932), (489, 3950), (508, 4028), (512, 4040), (513, 4043), (516, 4055), (517, 4058), (534, 4094), (546, 4142), (558, 4193), (563, 4211), (593, 4307), (601, 4328), (609, 4355), (612, 4364), (624, 4400),

Gene: Ramsey_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Ramsey_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Rana_7 Start: 4053, Stop: 5489, Start Num: 102

Candidate Starts for Rana_7:

(Start: 96 @4047 has 4 MA's), (Start: 102 @4053 has 236 MA's), (117, 4077), (125, 4101), (Start: 149 @4170 has 2 MA's), (172, 4218), (175, 4230), (185, 4269), (228, 4422), (253, 4452), (298, 4536), (326, 4578), (373, 4644), (419, 4734), (423, 4746), (443, 4821), (448, 4839), (483, 4917), (498, 4962), (511, 5019), (578, 5232), (585, 5256), (622, 5388), (681, 5475),

Gene: Rando14_7 Start: 2855, Stop: 4411, Start Num: 47

Candidate Starts for Rando14_7:

(Start: 47 @2855 has 130 MA's), (104, 2930), (116, 2954), (121, 2966), (124, 2975), (136, 3020), (Start: 149 @3047 has 2 MA's), (178, 3116), (210, 3215), (215, 3236), (220, 3251), (226, 3278), (274, 3353), (275, 3356), (317, 3428), (326, 3449), (336, 3464), (365, 3524), (398, 3587), (399, 3590), (415, 3623), (426, 3656), (430, 3677), (435, 3692), (436, 3695), (437, 3698), (482, 3761), (489, 3779), (498, 3809), (508, 3857), (512, 3869), (513, 3872), (517, 3887), (536, 3932), (544, 3968), (546, 3974), (557, 4022), (558, 4025), (559, 4031), (563, 4043), (590, 4124), (593, 4139), (601, 4160), (607, 4178), (612, 4196), (624, 4232), (674, 4319), (678, 4331), (685, 4343),

Gene: Raphaella_4 Start: 2275, Stop: 3612, Start Num: 108

Candidate Starts for Raphaella_4:

(39, 2152), (41, 2155), (52, 2197), (60, 2209), (Start: 93 @2263 has 3 MA's), (Start: 108 @2275 has 17 MA's), (127, 2323), (150, 2386), (156, 2398), (254, 2656), (278, 2713), (311, 2761), (386, 2848),

(390, 2857), (404, 2884), (430, 2965), (434, 2977), (435, 2980), (441, 3004), (509, 3172), (525, 3226), (545, 3289), (548, 3298), (560, 3352), (576, 3391), (593, 3457), (620, 3538), (627, 3547), (657, 3598),

Gene: Rapunzel97_9 Start: 3020, Stop: 4579, Start Num: 47

Candidate Starts for Rapunzel97_9:

(33, 2918), (Start: 42 @3005 has 24 MA's), (Start: 47 @3020 has 130 MA's), (117, 3122), (121, 3131), (143, 3203), (Start: 149 @3212 has 2 MA's), (158, 3236), (174, 3269), (177, 3278), (185, 3311), (191, 3329), (210, 3380), (215, 3401), (226, 3443), (269, 3509), (274, 3524), (317, 3599), (326, 3620), (357, 3674), (415, 3794), (426, 3827), (430, 3848), (437, 3869), (444, 3899), (482, 3932), (489, 3950), (508, 4028), (512, 4040), (513, 4043), (516, 4055), (517, 4058), (534, 4094), (546, 4142), (558, 4193), (563, 4211), (593, 4307), (601, 4328), (609, 4355), (612, 4364), (624, 4400),

Gene: Rasputin_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Rasputin_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (256, 5252), (344, 5381), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: ReMo_15 Start: 8380, Stop: 9840, Start Num: 74

Candidate Starts for ReMo_15:

(Start: 74 @8380 has 580 MA's), (121, 8440), (160, 8545), (184, 8611), (248, 8794), (265, 8827), (278, 8860), (426, 9091), (432, 9118), (434, 9124), (440, 9145), (445, 9166), (455, 9196), (479, 9220), (507, 9310), (515, 9340), (545, 9436), (552, 9463), (558, 9490), (563, 9508), (564, 9511), (575, 9544), (580, 9553), (613, 9670), (620, 9700), (651, 9754),

Gene: Reba_15 Start: 8397, Stop: 9851, Start Num: 74

Candidate Starts for Reba_15:

(Start: 74 @8397 has 580 MA's), (Start: 110 @8427 has 2 MA's), (121, 8454), (160, 8559), (202, 8673), (221, 8739), (244, 8796), (278, 8874), (279, 8877), (394, 9018), (432, 9129), (434, 9135), (440, 9156), (507, 9321), (545, 9447), (558, 9501), (559, 9507), (564, 9522), (580, 9558), (604, 9645), (613, 9675), (620, 9705), (645, 9750), (652, 9759),

Gene: Rebeuca_13 Start: 8554, Stop: 9999, Start Num: 74

Candidate Starts for Rebeuca_13:

(Start: 74 @8554 has 580 MA's), (160, 8713), (211, 8860), (214, 8872), (221, 8893), (224, 8911), (226, 8917), (243, 8950), (278, 9031), (282, 9043), (390, 9169), (399, 9187), (426, 9259), (432, 9286), (434, 9292), (439, 9310), (440, 9313), (507, 9493), (545, 9619), (546, 9622), (558, 9673), (559, 9679), (564, 9694), (575, 9724), (580, 9733), (602, 9814), (613, 9850), (620, 9880), (649, 9931), (651, 9934),

Gene: RedBear_9 Start: 4327, Stop: 5763, Start Num: 102

Candidate Starts for RedBear_9:

(Start: 93 @4318 has 3 MA's), (Start: 96 @4321 has 4 MA's), (Start: 102 @4327 has 236 MA's), (117, 4351), (125, 4375), (Start: 149 @4444 has 2 MA's), (172, 4492), (179, 4516), (185, 4543), (228, 4696), (298, 4810), (326, 4852), (334, 4864), (341, 4879), (373, 4918), (419, 5008), (423, 5020), (448, 5113), (483, 5191), (498, 5236), (511, 5293), (585, 5530), (681, 5749),

Gene: RedBird_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for RedBird_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980),

(459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: RedRock_16 Start: 11153, Stop: 12613, Start Num: 74

Candidate Starts for RedRock_16:

(Start: 74 @11153 has 580 MA's), (Start: 108 @11183 has 17 MA's), (121, 11213), (156, 11306), (160, 11318), (265, 11600), (394, 11777), (426, 11861), (432, 11888), (434, 11894), (440, 11915), (479, 11990), (558, 12260), (564, 12281), (569, 12296), (575, 12308), (580, 12317), (613, 12434), (620, 12464), (633, 12494), (651, 12518),

Gene: Reedo_3 Start: 2275, Stop: 3648, Start Num: 98

Candidate Starts for Reedo_3:

(Start: 98 @2275 has 18 MA's), (Start: 149 @2395 has 2 MA's), (185, 2494), (254, 2665), (330, 2782), (449, 3031), (534, 3235), (540, 3265), (548, 3289), (598, 3463), (647, 3583),

Gene: Refuge_16 Start: 11531, Stop: 13000, Start Num: 74

Candidate Starts for Refuge_16:

(Start: 74 @11531 has 580 MA's), (121, 11591), (152, 11678), (160, 11696), (202, 11810), (229, 11906), (265, 11978), (278, 12011), (393, 12152), (426, 12239), (432, 12266), (434, 12272), (440, 12293), (441, 12299), (455, 12344), (558, 12638), (563, 12656), (569, 12674), (575, 12686), (580, 12695), (593, 12755), (613, 12812), (620, 12842), (625, 12851), (633, 12872), (651, 12896), (698, 12974),

Gene: Reindeer_13 Start: 6131, Stop: 7753, Start Num: 48

Candidate Starts for Reindeer_13:

(Start: 48 @6131 has 21 MA's), (56, 6146), (124, 6254), (147, 6320), (162, 6353), (169, 6365), (175, 6383), (177, 6389), (183, 6416), (185, 6422), (210, 6494), (211, 6500), (220, 6530), (221, 6533), (248, 6611), (253, 6617), (254, 6620), (263, 6638), (385, 6794), (394, 6812), (399, 6824), (420, 6872), (423, 6881), (436, 6929), (437, 6932), (465, 7001), (495, 7055), (504, 7091), (518, 7142), (520, 7145), (532, 7175), (534, 7178), (536, 7184), (537, 7199), (552, 7250), (553, 7253), (557, 7274), (558, 7277), (578, 7328), (601, 7415), (615, 7466), (646, 7526), (648, 7529), (663, 7556), (681, 7592), (684, 7598), (691, 7613), (697, 7625), (714, 7709),

Gene: Relief_12 Start: 8579, Stop: 10030, Start Num: 74

Candidate Starts for Relief_12:

(Start: 74 @8579 has 580 MA's), (156, 8726), (160, 8738), (217, 8906), (224, 8936), (244, 8975), (253, 8993), (278, 9053), (385, 9182), (394, 9200), (432, 9311), (434, 9317), (440, 9338), (441, 9344), (475, 9413), (497, 9473), (507, 9518), (545, 9644), (546, 9647), (558, 9698), (559, 9704), (564, 9719), (575, 9749), (602, 9839), (613, 9875), (620, 9905), (633, 9935),

Gene: Remus_15 Start: 8341, Stop: 9801, Start Num: 74

Candidate Starts for Remus_15:

(Start: 74 @8341 has 580 MA's), (121, 8401), (160, 8506), (184, 8572), (248, 8755), (265, 8788), (278, 8821), (426, 9052), (432, 9079), (434, 9085), (440, 9106), (445, 9127), (455, 9157), (479, 9181), (507, 9271), (515, 9301), (545, 9397), (552, 9424), (558, 9451), (563, 9469), (564, 9472), (575, 9505), (580, 9514), (613, 9631), (620, 9661), (651, 9715),

Gene: Reptar3000_10 Start: 3838, Stop: 5439, Start Num: 42

Candidate Starts for Reptar3000_10:

(Start: 42 @3838 has 24 MA's), (Start: 45 @3853 has 26 MA's), (56, 3877), (104, 3943), (124, 3988), (Start: 149 @4060 has 2 MA's), (172, 4108), (174, 4117), (175, 4120), (178, 4129), (185, 4159), (210, 4228), (215, 4249), (220, 4264), (224, 4285), (226, 4291), (253, 4315), (269, 4351), (274, 4366), (292, 4405), (370, 4540), (376, 4549), (385, 4567), (398, 4594), (399, 4597), (415, 4630), (426, 4663), (430,

4684), (437, 4705), (482, 4768), (490, 4792), (498, 4816), (508, 4864), (512, 4876), (515, 4888), (517, 4894), (532, 4933), (561, 5047), (563, 5053), (601, 5224), (609, 5251), (612, 5260), (635, 5323), (642, 5335),

Gene: ResDef_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for ResDef_13:

(Start: 74 @8738 has 580 MA's), (112, 8777), (160, 8903), (189, 8987), (211, 9050), (221, 9083), (224, 9101), (244, 9140), (256, 9167), (278, 9218), (385, 9344), (390, 9356), (398, 9371), (399, 9374), (426, 9446), (432, 9473), (434, 9479), (440, 9500), (441, 9506), (448, 9530), (475, 9572), (507, 9677), (545, 9803), (546, 9806), (558, 9857), (559, 9863), (564, 9878), (575, 9908), (613, 10034), (620, 10064), (635, 10094),

Gene: Retro23_13 Start: 9321, Stop: 10784, Start Num: 74

Candidate Starts for Retro23_13:

(Start: 74 @9321 has 580 MA's), (121, 9381), (160, 9486), (224, 9684), (265, 9768), (278, 9801), (374, 9912), (426, 10029), (432, 10056), (434, 10062), (440, 10083), (441, 10089), (455, 10134), (509, 10257), (558, 10428), (563, 10446), (564, 10449), (575, 10476), (580, 10485), (613, 10602), (620, 10632), (633, 10662),

Gene: RexFury_9 Start: 4866, Stop: 6311, Start Num: 74

Candidate Starts for RexFury_9:

(Start: 74 @4866 has 580 MA's), (173, 5043), (179, 5064), (185, 5091), (189, 5106), (211, 5169), (248, 5268), (256, 5283), (344, 5412), (394, 5475), (398, 5484), (428, 5571), (430, 5580), (432, 5586), (445, 5634), (478, 5688), (487, 5703), (490, 5712), (507, 5778), (509, 5787), (512, 5796), (552, 5931), (563, 5976), (564, 5979), (593, 6072), (613, 6129), (620, 6159), (633, 6186), (645, 6198), (649, 6204),

Gene: Rey_19 Start: 7070, Stop: 8671, Start Num: 48

Candidate Starts for Rey_19:

(Start: 48 @7070 has 21 MA's), (147, 7259), (162, 7292), (169, 7304), (183, 7355), (185, 7361), (210, 7433), (211, 7439), (220, 7469), (224, 7490), (248, 7526), (254, 7535), (263, 7553), (436, 7844), (437, 7847), (504, 8006), (518, 8057), (520, 8060), (532, 8090), (536, 8099), (552, 8165), (553, 8168), (558, 8192), (582, 8252), (601, 8330), (646, 8441), (684, 8513),

Gene: Rhodalysa_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Rhodalysa_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: RhynO_13 Start: 8532, Stop: 9977, Start Num: 74

Candidate Starts for RhynO_13:

(Start: 74 @8532 has 580 MA's), (89, 8544), (160, 8691), (211, 8838), (221, 8871), (224, 8889), (226, 8895), (243, 8928), (278, 9009), (282, 9021), (390, 9147), (399, 9165), (426, 9237), (431, 9261), (432, 9264), (434, 9270), (440, 9291), (507, 9471), (545, 9597), (546, 9600), (558, 9651), (559, 9657), (564, 9672), (575, 9702), (580, 9711), (602, 9792), (613, 9828), (620, 9858), (649, 9909), (651, 9912),

Gene: Rhynn_12 Start: 8733, Stop: 10175, Start Num: 109

Candidate Starts for Rhynn_12:

(64, 8667), (Start: 109 @8733 has 196 MA's), (183, 8931), (265, 9144), (394, 9339), (399, 9351), (432, 9450), (453, 9522), (509, 9645), (521, 9684), (545, 9762), (547, 9768), (558, 9816), (561, 9828), (564, 9837), (592, 9927), (620, 10017), (635, 10050), (644, 10062),

Gene: Rialto_4 Start: 2200, Stop: 3621, Start Num: 101

Candidate Starts for Rialto_4:

(Start: 101 @2200 has 52 MA's), (116, 2227), (121, 2239), (172, 2368), (177, 2386), (185, 2419), (210, 2488), (220, 2524), (224, 2545), (226, 2551), (253, 2575), (254, 2578), (285, 2653), (289, 2659), (308, 2686), (319, 2704), (339, 2746), (367, 2797), (378, 2815), (394, 2848), (398, 2857), (399, 2860), (420, 2908), (423, 2917), (430, 2947), (436, 2965), (444, 2998), (490, 3055), (512, 3139), (517, 3157), (525, 3184), (532, 3196), (534, 3199), (536, 3205), (537, 3220), (548, 3253), (558, 3298), (582, 3358), (601, 3433), (603, 3439), (606, 3448), (608, 3457), (612, 3469), (638, 3532), (666, 3580),

Gene: Richie_4 Start: 2275, Stop: 3612, Start Num: 108

Candidate Starts for Richie_4:

(39, 2152), (41, 2155), (52, 2197), (60, 2209), (Start: 93 @2263 has 3 MA's), (Start: 108 @2275 has 17 MA's), (127, 2323), (150, 2386), (156, 2398), (254, 2656), (278, 2713), (311, 2761), (386, 2848), (390, 2857), (404, 2884), (430, 2965), (434, 2977), (435, 2980), (441, 3004), (489, 3097), (509, 3172), (525, 3226), (545, 3289), (548, 3298), (560, 3352), (576, 3391), (593, 3457), (620, 3538), (627, 3547), (657, 3598),

Gene: RidgeCB_12 Start: 8260, Stop: 9702, Start Num: 109

Candidate Starts for RidgeCB_12:

(64, 8194), (Start: 109 @8260 has 196 MA's), (183, 8458), (265, 8671), (394, 8866), (399, 8878), (432, 8977), (453, 9049), (509, 9172), (521, 9211), (545, 9289), (547, 9295), (558, 9343), (561, 9355), (564, 9364), (592, 9454), (620, 9544), (635, 9577), (644, 9589),

Gene: Rifter_16 Start: 9257, Stop: 10723, Start Num: 74

Candidate Starts for Rifter_16:

(Start: 74 @9257 has 580 MA's), (94, 9278), (121, 9317), (152, 9404), (157, 9416), (160, 9422), (265, 9704), (288, 9758), (408, 9917), (426, 9968), (432, 9995), (434, 10001), (440, 10022), (521, 10235), (564, 10388), (569, 10403), (575, 10415), (580, 10424), (594, 10490), (604, 10511), (613, 10541), (620, 10571), (633, 10601),

Gene: Ringer_12 Start: 8931, Stop: 10373, Start Num: 109

Candidate Starts for Ringer_12:

(64, 8865), (Start: 109 @8931 has 196 MA's), (183, 9129), (265, 9342), (394, 9537), (432, 9648), (509, 9843), (521, 9882), (545, 9960), (547, 9966), (557, 10011), (558, 10014), (561, 10026), (564, 10035), (592, 10125), (620, 10215), (635, 10248), (644, 10260),

Gene: Rita_3 Start: 2256, Stop: 3626, Start Num: 102

Candidate Starts for Rita_3:

(Start: 102 @2256 has 236 MA's), (Start: 120 @2292 has 8 MA's), (Start: 128 @2316 has 1 MA's), (132, 2325), (134, 2331), (135, 2334), (148, 2373), (177, 2439), (178, 2442), (198, 2511), (210, 2550), (212, 2559), (227, 2607), (265, 2667), (285, 2715), (320, 2760), (380, 2805), (391, 2832), (413, 2877), (421, 2898), (422, 2901), (423, 2904), (428, 2925), (430, 2934), (444, 2985), (445, 2988), (448, 2997), (459, 3027), (467, 3048), (493, 3117), (496, 3126), (506, 3177), (507, 3180), (522, 3234), (524, 3240), (526, 3246), (558, 3357), (561, 3369), (576, 3402), (580, 3408), (587, 3432), (631, 3576), (642, 3594),

Gene: RitaG_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for RitaG_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Roary_10 Start: 7422, Stop: 8852, Start Num: 76

Candidate Starts for Roary_10:

(Start: 76 @7422 has 71 MA's), (159, 7572), (265, 7854), (344, 7965), (394, 8028), (415, 8073), (432, 8139), (440, 8166), (507, 8331), (537, 8433), (558, 8511), (559, 8517), (580, 8568), (613, 8685), (620, 8715), (652, 8769),

Gene: Rockne_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Rockne_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (642, 3593),

Gene: Rockstar_12 Start: 8064, Stop: 9530, Start Num: 76

Candidate Starts for Rockstar_12:

(Start: 76 @8064 has 71 MA's), (112, 8109), (160, 8235), (189, 8319), (211, 8382), (221, 8415), (224, 8433), (244, 8472), (256, 8499), (390, 8688), (426, 8778), (431, 8802), (432, 8805), (434, 8811), (440, 8832), (441, 8838), (507, 9009), (545, 9135), (546, 9138), (558, 9189), (559, 9195), (564, 9210), (575, 9240), (613, 9366), (620, 9396), (635, 9426),

Gene: RockyHorror_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for RockyHorror_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Rohr_13 Start: 8939, Stop: 10381, Start Num: 109

Candidate Starts for Rohr_13:

(64, 8873), (Start: 109 @8939 has 196 MA's), (183, 9137), (265, 9350), (394, 9545), (395, 9548), (432, 9656), (453, 9728), (509, 9851), (521, 9890), (545, 9968), (547, 9974), (558, 10022), (561, 10034), (564, 10043), (592, 10133), (620, 10223), (635, 10256), (644, 10268),

Gene: Roksolana_16 Start: 9284, Stop: 10750, Start Num: 74

Candidate Starts for Roksolana_16:

(Start: 74 @9284 has 580 MA's), (94, 9305), (121, 9344), (152, 9431), (157, 9443), (160, 9449), (265, 9731), (288, 9785), (408, 9944), (426, 9995), (432, 10022), (434, 10028), (440, 10049), (521, 10262), (564, 10415), (569, 10430), (575, 10442), (580, 10451), (594, 10517), (604, 10538), (613, 10568), (620, 10598), (633, 10628),

Gene: Romney_12 Start: 8577, Stop: 10028, Start Num: 74

Candidate Starts for Romney_12:

(Start: 74 @8577 has 580 MA's), (156, 8724), (160, 8736), (217, 8904), (224, 8934), (244, 8973), (253, 8991), (278, 9051), (385, 9180), (394, 9198), (432, 9309), (434, 9315), (440, 9336), (441, 9342), (475, 9411), (497, 9471), (507, 9516), (545, 9642), (546, 9645), (558, 9696), (559, 9702), (564, 9717), (575, 9747), (602, 9837), (613, 9873), (615, 9885), (620, 9903), (633, 9933),

Gene: Ronaldo_38 Start: 12190, Stop: 13596, Start Num: 108

Candidate Starts for Ronaldo_38:

(Start: 108 @12190 has 17 MA's), (126, 12229), (139, 12277), (169, 12337), (210, 12463), (226, 12526), (229, 12532), (265, 12577), (336, 12712), (378, 12781), (418, 12862), (424, 12883), (430, 12910), (482, 12994), (512, 13102), (549, 13225), (556, 13255), (557, 13258), (593, 13366), (594, 13372), (606, 13402), (608, 13411), (609, 13414), (612, 13423), (639, 13495), (645, 13504), (655, 13519),

Gene: Roosevelt_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Roosevelt_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Rosalind_15 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for Rosalind_15:

(Start: 74 @8502 has 580 MA's), (121, 8562), (160, 8667), (184, 8733), (248, 8916), (265, 8949), (278, 8982), (426, 9213), (432, 9240), (434, 9246), (440, 9267), (445, 9288), (455, 9318), (479, 9342), (515, 9462), (545, 9558), (552, 9585), (558, 9612), (563, 9630), (564, 9633), (575, 9666), (580, 9675), (613, 9792), (620, 9822), (651, 9876),

Gene: Rose5_5 Start: 2625, Stop: 4298, Start Num: 74

Candidate Starts for Rose5_5:

(Start: 74 @2625 has 580 MA's), (121, 2688), (137, 2742), (147, 2766), (178, 2835), (183, 2859), (210, 2937), (220, 2973), (265, 3066), (267, 3069), (318, 3144), (341, 3183), (394, 3246), (406, 3273), (407, 3276), (418, 3297), (424, 3318), (435, 3360), (436, 3363), (485, 3465), (490, 3480), (492, 3486), (513, 3567), (521, 3594), (522, 3600), (551, 3693), (557, 3720), (559, 3729), (582, 3783), (586, 3804), (591, 3825), (598, 3852), (601, 3861), (617, 3921), (633, 3951), (638, 3960), (697, 4068), (718, 4263),

Gene: Rosmarinus_9 Start: 3055, Stop: 4623, Start Num: 42

Candidate Starts for Rosmarinus_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Rowa_3 Start: 2274, Stop: 3710, Start Num: 105

Candidate Starts for Rowa_3:

(Start: 88 @2250 has 1 MA's), (Start: 100 @2268 has 1 MA's), (Start: 105 @2274 has 3 MA's), (140, 2373), (177, 2454), (184, 2484), (266, 2688), (272, 2706), (304, 2760), (327, 2790), (377, 2859), (385, 2871), (395, 2895), (399, 2904), (411, 2928), (435, 3006), (441, 3030), (445, 3045), (448, 3054), (481, 3114), (508, 3216), (535, 3285), (545, 3333), (558, 3387), (577, 3441), (581, 3450), (601, 3525), (609, 3552), (620, 3594),

Gene: Royals2015_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Royals2015_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239),

(526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Rubeus_13 Start: 8765, Stop: 10207, Start Num: 109

Candidate Starts for Rubeus_13:

(64, 8699), (Start: 109 @8765 has 196 MA's), (183, 8963), (265, 9176), (394, 9371), (399, 9383), (432, 9482), (509, 9677), (521, 9716), (545, 9794), (547, 9800), (558, 9848), (561, 9860), (564, 9869), (592, 9959), (620, 10049), (635, 10082), (644, 10094),

Gene: Ruby_3 Start: 2241, Stop: 3611, Start Num: 102

Candidate Starts for Ruby_3:

(Start: 102 @2241 has 236 MA's), (Start: 120 @2277 has 8 MA's), (Start: 128 @2301 has 1 MA's), (132, 2310), (134, 2316), (135, 2319), (148, 2358), (177, 2424), (178, 2427), (198, 2496), (210, 2535), (212, 2544), (227, 2592), (265, 2652), (285, 2700), (320, 2745), (380, 2790), (391, 2817), (413, 2862), (421, 2883), (422, 2886), (423, 2889), (428, 2910), (430, 2919), (444, 2970), (445, 2973), (448, 2982), (459, 3012), (467, 3033), (493, 3102), (496, 3111), (506, 3162), (507, 3165), (524, 3225), (526, 3231), (550, 3309), (558, 3342), (561, 3354), (580, 3393), (587, 3417), (642, 3579),

Gene: Rufus_13 Start: 8822, Stop: 10264, Start Num: 109

Candidate Starts for Rufus_13:

(64, 8756), (Start: 109 @8822 has 196 MA's), (183, 9020), (265, 9233), (394, 9428), (399, 9440), (432, 9539), (509, 9734), (521, 9773), (545, 9851), (547, 9857), (557, 9902), (558, 9905), (561, 9917), (564, 9926), (580, 9959), (592, 10016), (620, 10106), (635, 10139), (644, 10151),

Gene: Ruin_12 Start: 8577, Stop: 10028, Start Num: 74

Candidate Starts for Ruin_12:

(Start: 74 @8577 has 580 MA's), (156, 8724), (160, 8736), (217, 8904), (224, 8934), (244, 8973), (253, 8991), (278, 9051), (385, 9180), (394, 9198), (432, 9309), (434, 9315), (440, 9336), (441, 9342), (475, 9411), (497, 9471), (507, 9516), (545, 9642), (546, 9645), (558, 9696), (559, 9702), (564, 9717), (575, 9747), (602, 9837), (613, 9873), (615, 9885), (620, 9903), (633, 9933),

Gene: Rummer_14 Start: 8738, Stop: 10192, Start Num: 74

Candidate Starts for Rummer_14:

(Start: 74 @8738 has 580 MA's), (Start: 110 @8768 has 2 MA's), (121, 8795), (160, 8900), (202, 9014), (221, 9080), (244, 9137), (278, 9215), (279, 9218), (394, 9359), (432, 9470), (434, 9476), (440, 9497), (507, 9662), (545, 9788), (558, 9842), (559, 9848), (564, 9863), (580, 9899), (604, 9986), (613, 10016), (620, 10046), (645, 10091), (652, 10100),

Gene: Rumpelstiltskin_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Rumpelstiltskin_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (132, 2734), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (485, 3478), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: Ruotula_11 Start: 8881, Stop: 10323, Start Num: 109

Candidate Starts for Ruotula_11:

(64, 8815), (Start: 109 @8881 has 196 MA's), (183, 9079), (265, 9292), (394, 9487), (399, 9499), (432, 9598), (509, 9793), (521, 9832), (545, 9910), (547, 9916), (558, 9964), (561, 9976), (564, 9985), (592, 10075), (620, 10165), (635, 10198), (644, 10210),

Gene: Rusticus_8 Start: 4241, Stop: 5683, Start Num: 102

Candidate Starts for Rusticus_8:

(Start: 93 @4232 has 3 MA's), (Start: 96 @4235 has 4 MA's), (Start: 102 @4241 has 236 MA's), (Start: 149 @4358 has 2 MA's), (172, 4406), (179, 4430), (298, 4724), (326, 4766), (341, 4793), (419, 4919), (423, 4931), (448, 5024), (483, 5102), (498, 5147), (511, 5204), (518, 5228), (585, 5441), (681, 5669),

Gene: Rutherferd_14 Start: 9283, Stop: 10725, Start Num: 109

Candidate Starts for Rutherferd_14:

(64, 9217), (Start: 109 @9283 has 196 MA's), (183, 9481), (265, 9694), (394, 9889), (398, 9898), (432, 10000), (453, 10072), (509, 10195), (545, 10312), (547, 10318), (558, 10366), (561, 10378), (564, 10387), (592, 10477), (620, 10567), (635, 10600), (644, 10612),

Gene: Ruthiejr_9 Start: 3658, Stop: 5238, Start Num: 45

Candidate Starts for Ruthiejr_9:

(Start: 42 @3643 has 24 MA's), (Start: 45 @3658 has 26 MA's), (56, 3682), (104, 3745), (143, 3853), (Start: 149 @3862 has 2 MA's), (174, 3919), (177, 3928), (178, 3931), (185, 3961), (210, 4030), (215, 4051), (224, 4087), (226, 4093), (253, 4117), (274, 4168), (292, 4207), (326, 4264), (370, 4342), (372, 4345), (376, 4351), (385, 4369), (398, 4396), (399, 4399), (415, 4432), (426, 4465), (430, 4486), (437, 4507), (482, 4570), (490, 4594), (498, 4618), (508, 4666), (512, 4678), (517, 4696), (532, 4735), (537, 4759), (559, 4843), (561, 4849), (563, 4855), (572, 4924), (582, 4948), (601, 5023), (609, 5050), (612, 5059), (624, 5095), (635, 5122), (642, 5134),

Gene: SG4_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for SG4_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (525, 3242), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: SPB78_3 Start: 2124, Stop: 3551, Start Num: 94

Candidate Starts for SPB78_3:

(94, 2124), (Start: 119 @2163 has 2 MA's), (Start: 149 @2250 has 2 MA's), (177, 2316), (187, 2358), (220, 2454), (224, 2475), (320, 2646), (368, 2727), (398, 2781), (406, 2799), (411, 2808), (423, 2841), (429, 2868), (432, 2877), (435, 2886), (484, 3012), (515, 3108), (518, 3117), (537, 3177), (542, 3195), (557, 3252), (558, 3255), (569, 3282), (582, 3309), (594, 3369), (605, 3396), (609, 3411), (614, 3432), (646, 3501),

Gene: STLscum_13 Start: 8852, Stop: 10294, Start Num: 109

Candidate Starts for STLscum_13:

(64, 8786), (Start: 109 @8852 has 196 MA's), (183, 9050), (265, 9263), (394, 9458), (432, 9569), (509, 9764), (521, 9803), (545, 9881), (547, 9887), (558, 9935), (561, 9947), (564, 9956), (580, 9989), (592, 10046), (620, 10136), (635, 10169), (644, 10181),

Gene: Saal_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Saal_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (464, 3029), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224),

(526, 3230), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: Sabbb_3 Start: 2255, Stop: 3613, Start Num: 102

Candidate Starts for Sabbb_3:

(Start: 102 @2255 has 236 MA's), (Start: 119 @2288 has 2 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (176, 2435), (177, 2438), (178, 2441), (198, 2510), (201, 2516), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (273, 2687), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575),

Gene: Sabertooth_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Sabertooth_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Sabia_14 Start: 8647, Stop: 10101, Start Num: 74

Candidate Starts for Sabia_14:

(Start: 74 @8647 has 580 MA's), (Start: 110 @8677 has 2 MA's), (121, 8704), (160, 8809), (202, 8923), (221, 8989), (244, 9046), (278, 9124), (279, 9127), (394, 9268), (432, 9379), (434, 9385), (440, 9406), (507, 9571), (545, 9697), (558, 9751), (559, 9757), (564, 9772), (580, 9808), (604, 9895), (613, 9925), (620, 9955), (645, 10000), (652, 10009),

Gene: Sabinator_14 Start: 8682, Stop: 10106, Start Num: 110

Candidate Starts for Sabinator_14:

(Start: 74 @8652 has 580 MA's), (Start: 110 @8682 has 2 MA's), (121, 8709), (160, 8814), (202, 8928), (221, 8994), (244, 9051), (278, 9129), (279, 9132), (394, 9273), (432, 9384), (434, 9390), (440, 9411), (507, 9576), (545, 9702), (558, 9756), (559, 9762), (564, 9777), (580, 9813), (604, 9900), (613, 9930), (620, 9960), (645, 10005), (652, 10014),

Gene: Saftant_7 Start: 4208, Stop: 5632, Start Num: 102

Candidate Starts for Saftant_7:

(Start: 102 @4208 has 236 MA's), (Start: 149 @4325 has 2 MA's), (172, 4373), (175, 4385), (210, 4520), (341, 4760), (369, 4793), (373, 4799), (423, 4898), (443, 4973), (448, 4991), (470, 5030), (483, 5066), (498, 5111), (511, 5168), (544, 5273), (585, 5405), (622, 5537), (639, 5567), (677, 5612), (681, 5618),

Gene: Sagefire_13 Start: 9534, Stop: 10976, Start Num: 109

Candidate Starts for Sagefire_13:

(64, 9468), (Start: 109 @9534 has 196 MA's), (183, 9732), (265, 9945), (394, 10140), (399, 10152), (432, 10251), (453, 10323), (509, 10446), (521, 10485), (545, 10563), (547, 10569), (558, 10617), (561, 10629), (564, 10638), (592, 10728), (620, 10818), (635, 10851), (644, 10863),

Gene: Saintus_10 Start: 7435, Stop: 8865, Start Num: 76

Candidate Starts for Saintus_10:

(Start: 76 @7435 has 71 MA's), (159, 7585), (211, 7732), (265, 7867), (286, 7918), (344, 7978), (345, 7981), (394, 8041), (411, 8077), (432, 8152), (440, 8179), (448, 8209), (507, 8344), (537, 8446), (558, 8524), (559, 8530), (580, 8581), (613, 8698), (620, 8728), (652, 8782),

Gene: Sakai_4 Start: 2275, Stop: 3606, Start Num: 108

Candidate Starts for Sakai_4:

(Start: 93 @2263 has 3 MA's), (Start: 108 @2275 has 17 MA's), (112, 2284), (150, 2386), (156, 2398), (206, 2539), (217, 2584), (222, 2599), (226, 2620), (256, 2656), (265, 2674), (311, 2755), (345, 2800), (404, 2878), (430, 2959), (434, 2971), (435, 2974), (441, 2998), (454, 3040), (505, 3151), (509, 3166), (519, 3196), (548, 3292), (620, 3532), (622, 3535), (627, 3541), (657, 3592),

Gene: Salz_13 Start: 9781, Stop: 11238, Start Num: 74

Candidate Starts for Salz_13:

(Start: 74 @9781 has 580 MA's), (116, 9826), (121, 9841), (160, 9946), (265, 10228), (278, 10261), (399, 10417), (426, 10489), (432, 10516), (434, 10522), (440, 10543), (455, 10594), (551, 10858), (558, 10888), (564, 10909), (569, 10924), (575, 10936), (580, 10945), (604, 11032), (613, 11062), (620, 11092), (633, 11122), (679, 11188),

Gene: SamScheppers_8 Start: 3532, Stop: 5115, Start Num: 45

Candidate Starts for SamScheppers_8:

(Start: 42 @3517 has 24 MA's), (Start: 45 @3532 has 26 MA's), (56, 3556), (104, 3622), (124, 3667), (Start: 149 @3739 has 2 MA's), (174, 3796), (177, 3805), (178, 3808), (185, 3838), (210, 3907), (215, 3928), (224, 3964), (226, 3970), (253, 3994), (269, 4030), (274, 4045), (292, 4084), (370, 4219), (376, 4228), (385, 4246), (398, 4273), (399, 4276), (415, 4309), (426, 4342), (430, 4363), (437, 4384), (482, 4447), (490, 4471), (498, 4495), (508, 4543), (512, 4555), (515, 4567), (517, 4573), (532, 4612), (561, 4726), (563, 4732), (601, 4900), (609, 4927), (612, 4936), (635, 4999), (642, 5011),

Gene: Samty_6 Start: 2752, Stop: 4395, Start Num: 74

Candidate Starts for Samty_6:

(Start: 74 @2752 has 580 MA's), (118, 2812), (178, 2962), (185, 2992), (210, 3064), (228, 3130), (257, 3178), (318, 3271), (341, 3310), (390, 3367), (394, 3373), (406, 3400), (411, 3409), (418, 3424), (492, 3613), (502, 3646), (510, 3685), (522, 3727), (582, 3910), (591, 3952), (598, 3979), (601, 3988), (617, 4048), (633, 4078), (638, 4087), (681, 4162), (697, 4195),

Gene: SamuelLPlaqson_9 Start: 2999, Stop: 4546, Start Num: 47

Candidate Starts for SamuelLPlaqson_9:

(33, 2897), (Start: 42 @2984 has 24 MA's), (Start: 47 @2999 has 130 MA's), (67, 3026), (117, 3095), (121, 3104), (124, 3113), (143, 3176), (Start: 149 @3185 has 2 MA's), (158, 3209), (174, 3242), (185, 3284), (210, 3353), (215, 3374), (224, 3410), (269, 3479), (273, 3491), (317, 3569), (326, 3590), (342, 3620), (357, 3644), (415, 3764), (426, 3797), (430, 3818), (437, 3839), (444, 3869), (482, 3902), (489, 3920), (508, 3998), (512, 4010), (513, 4013), (516, 4025), (517, 4028), (534, 4064), (546, 4112), (558, 4163), (563, 4181), (593, 4277), (601, 4298), (609, 4325), (612, 4334), (652, 4424),

Gene: Samy_6 Start: 3515, Stop: 5041, Start Num: 69

Candidate Starts for Samy_6:

(Start: 69 @3515 has 1 MA's), (84, 3536), (166, 3716), (183, 3773), (258, 3989), (262, 3995), (339, 4130), (394, 4223), (435, 4337), (438, 4346), (498, 4475), (509, 4526), (513, 4538), (558, 4694), (593, 4808), (607, 4847), (609, 4856), (619, 4886), (631, 4913), (651, 4943), (684, 4997),

Gene: Sandaddy_11 Start: 8657, Stop: 10099, Start Num: 109

Candidate Starts for Sandaddy_11:

(64, 8591), (Start: 109 @8657 has 196 MA's), (183, 8855), (265, 9068), (394, 9263), (399, 9275), (432, 9374), (509, 9569), (521, 9608), (545, 9686), (547, 9692), (558, 9740), (561, 9752), (564, 9761), (592, 9851), (620, 9941), (635, 9974), (644, 9986),

Gene: Sandalphon_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Sandalphon_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (642, 3593),

Gene: Sanya_11 Start: 9319, Stop: 10761, Start Num: 109

Candidate Starts for Sanya_11:

(64, 9253), (Start: 109 @9319 has 196 MA's), (183, 9517), (265, 9730), (394, 9925), (399, 9937), (432, 10036), (509, 10231), (521, 10270), (545, 10348), (547, 10354), (558, 10402), (561, 10414), (564, 10423), (592, 10513), (620, 10603), (635, 10636), (644, 10648),

Gene: SarFire_12 Start: 8518, Stop: 9960, Start Num: 109

Candidate Starts for SarFire_12:

(64, 8452), (Start: 109 @8518 has 196 MA's), (183, 8716), (265, 8929), (394, 9124), (399, 9136), (432, 9235), (509, 9430), (521, 9469), (545, 9547), (547, 9553), (558, 9601), (561, 9613), (564, 9622), (580, 9655), (592, 9712), (620, 9802), (635, 9835), (644, 9847),

Gene: SarahRose_7 Start: 4055, Stop: 5491, Start Num: 102

Candidate Starts for SarahRose_7:

(Start: 96 @4049 has 4 MA's), (Start: 102 @4055 has 236 MA's), (117, 4079), (125, 4103), (Start: 149 @4172 has 2 MA's), (172, 4220), (175, 4232), (185, 4271), (228, 4424), (298, 4538), (326, 4580), (341, 4607), (369, 4640), (373, 4646), (419, 4736), (423, 4748), (443, 4823), (448, 4841), (483, 4919), (498, 4964), (511, 5021), (578, 5234), (585, 5258), (622, 5390), (661, 5456), (681, 5477),

Gene: Sarma624_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Sarma624_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Sashimi_4 Start: 2274, Stop: 3605, Start Num: 108

Candidate Starts for Sashimi_4:

(Start: 93 @2262 has 3 MA's), (Start: 108 @2274 has 17 MA's), (112, 2283), (150, 2385), (156, 2397), (206, 2538), (217, 2583), (222, 2598), (226, 2619), (254, 2649), (256, 2655), (265, 2673), (311, 2754), (345, 2799), (404, 2877), (430, 2958), (434, 2970), (435, 2973), (441, 2997), (454, 3039), (509, 3165), (548, 3291), (604, 3471), (620, 3531), (622, 3534), (627, 3540), (657, 3591),

Gene: Sassafras_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Sassafras_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: SassyB_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for SassyB_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's),
(132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549),
(212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876),
(421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996),
(459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239),
(526, 3245), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: SaturnRing_12 Start: 8193, Stop: 9659, Start Num: 76

Candidate Starts for SaturnRing_12:

(Start: 76 @8193 has 71 MA's), (160, 8364), (189, 8448), (211, 8511), (221, 8544), (224, 8562), (244,
8601), (256, 8628), (277, 8676), (390, 8817), (395, 8826), (426, 8907), (431, 8931), (432, 8934), (434,
8940), (439, 8958), (440, 8961), (441, 8967), (507, 9138), (545, 9264), (546, 9267), (558, 9318), (559,
9324), (564, 9339), (575, 9369), (613, 9495), (620, 9525), (635, 9555),

Gene: Scamp_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Scamp_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278,
9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497,
9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602,
9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Scarlett_8 Start: 2917, Stop: 4461, Start Num: 47

Candidate Starts for Scarlett_8:

(33, 2812), (Start: 42 @2902 has 24 MA's), (Start: 47 @2917 has 130 MA's), (Start: 71 @2953 has 30
MA's), (89, 2971), (116, 3016), (121, 3028), (124, 3037), (Start: 149 @3109 has 2 MA's), (158, 3133),
(169, 3151), (174, 3166), (177, 3175), (178, 3178), (215, 3298), (220, 3313), (225, 3337), (226, 3340),
(274, 3418), (292, 3457), (317, 3493), (326, 3514), (347, 3553), (364, 3583), (370, 3598), (394, 3643),
(398, 3652), (399, 3655), (415, 3688), (426, 3721), (430, 3742), (437, 3763), (444, 3793), (482, 3826),
(489, 3844), (508, 3922), (512, 3934), (513, 3937), (516, 3949), (517, 3952), (557, 4084), (558, 4087),
(563, 4105), (582, 4147), (590, 4186), (592, 4198), (601, 4222), (608, 4246), (609, 4249), (612, 4258),
(614, 4270), (624, 4294), (674, 4381),

Gene: Scherzo_14 Start: 9926, Stop: 11413, Start Num: 74

Candidate Starts for Scherzo_14:

(Start: 74 @9926 has 580 MA's), (121, 9989), (160, 10094), (185, 10163), (229, 10304), (248, 10343),
(265, 10376), (278, 10409), (394, 10553), (411, 10589), (415, 10598), (426, 10637), (432, 10664),
(434, 10670), (440, 10691), (441, 10697), (455, 10742), (479, 10766), (487, 10781), (558, 11036),
(563, 11054), (575, 11084), (576, 11087), (580, 11093), (611, 11204), (613, 11210), (620, 11240),
(645, 11285), (651, 11294),

Gene: Scorpio_11 Start: 7736, Stop: 9169, Start Num: 76

Candidate Starts for Scorpio_11:

(Start: 76 @7736 has 71 MA's), (152, 7865), (173, 7904), (177, 7919), (229, 8093), (244, 8120), (265,
8165), (278, 8198), (288, 8219), (344, 8279), (398, 8351), (399, 8354), (426, 8426), (434, 8459), (440,
8480), (444, 8498), (448, 8510), (545, 8771), (558, 8825), (563, 8843), (580, 8882), (613, 8999), (620,
9029), (633, 9059), (645, 9074), (652, 9083),

Gene: Scottish_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Scottish_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's),
(132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533),
(212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860),
(421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980),

(459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Scout_12 Start: 7488, Stop: 8954, Start Num: 76

Candidate Starts for Scout_12:

(Start: 76 @7488 has 71 MA's), (112, 7533), (160, 7659), (185, 7728), (189, 7743), (211, 7806), (217, 7827), (221, 7839), (224, 7857), (244, 7896), (256, 7923), (390, 8112), (426, 8202), (431, 8226), (432, 8229), (434, 8235), (440, 8256), (507, 8433), (545, 8559), (546, 8562), (558, 8613), (559, 8619), (564, 8634), (575, 8664), (613, 8790), (620, 8820), (635, 8850),

Gene: Scowl_13 Start: 9210, Stop: 10652, Start Num: 109

Candidate Starts for Scowl_13:

(64, 9144), (Start: 109 @9210 has 196 MA's), (160, 9345), (183, 9408), (265, 9621), (394, 9816), (399, 9828), (432, 9927), (453, 9999), (509, 10122), (521, 10161), (525, 10176), (545, 10239), (547, 10245), (557, 10290), (558, 10293), (561, 10305), (564, 10314), (592, 10404), (620, 10494), (635, 10527), (644, 10539),

Gene: Seabastian_3 Start: 2249, Stop: 3607, Start Num: 102

Candidate Starts for Seabastian_3:

(Start: 102 @2249 has 236 MA's), (Start: 119 @2282 has 2 MA's), (Start: 128 @2309 has 1 MA's), (132, 2318), (134, 2324), (135, 2327), (148, 2366), (177, 2432), (178, 2435), (198, 2504), (201, 2510), (210, 2543), (212, 2552), (227, 2600), (265, 2660), (285, 2708), (320, 2753), (380, 2798), (391, 2825), (413, 2870), (421, 2891), (422, 2894), (423, 2897), (428, 2918), (430, 2927), (444, 2978), (445, 2981), (448, 2990), (459, 3020), (467, 3041), (493, 3110), (496, 3119), (506, 3170), (507, 3173), (522, 3227), (524, 3233), (526, 3239), (550, 3317), (558, 3350), (561, 3362), (576, 3395), (580, 3401), (587, 3425), (631, 3569),

Gene: Seabiscuit_14 Start: 8739, Stop: 10181, Start Num: 109

Candidate Starts for Seabiscuit_14:

(64, 8673), (Start: 109 @8739 has 196 MA's), (183, 8937), (265, 9150), (394, 9345), (399, 9357), (432, 9456), (453, 9528), (509, 9651), (521, 9690), (545, 9768), (547, 9774), (558, 9822), (561, 9834), (564, 9843), (580, 9876), (592, 9933), (620, 10023), (635, 10056), (644, 10068),

Gene: Seagreen_4 Start: 2200, Stop: 3621, Start Num: 101

Candidate Starts for Seagreen_4:

(Start: 101 @2200 has 52 MA's), (116, 2227), (121, 2239), (172, 2368), (177, 2386), (185, 2419), (210, 2488), (220, 2524), (224, 2545), (226, 2551), (253, 2575), (254, 2578), (285, 2653), (289, 2659), (308, 2686), (319, 2704), (339, 2746), (367, 2797), (378, 2815), (394, 2848), (398, 2857), (399, 2860), (420, 2908), (423, 2917), (430, 2947), (436, 2965), (444, 2998), (490, 3055), (512, 3139), (517, 3157), (525, 3184), (532, 3196), (534, 3199), (536, 3205), (537, 3220), (548, 3253), (582, 3358), (601, 3433), (603, 3439), (606, 3448), (608, 3457), (612, 3469), (638, 3532), (666, 3580),

Gene: Seahorse_4 Start: 2274, Stop: 3608, Start Num: 108

Candidate Starts for Seahorse_4:

(Start: 93 @2262 has 3 MA's), (Start: 108 @2274 has 17 MA's), (Start: 119 @2295 has 2 MA's), (135, 2343), (144, 2373), (150, 2382), (156, 2394), (206, 2535), (210, 2553), (222, 2595), (254, 2652), (256, 2658), (265, 2676), (311, 2757), (326, 2778), (404, 2880), (430, 2961), (434, 2973), (435, 2976), (441, 3000), (454, 3042), (504, 3147), (509, 3168), (548, 3294), (557, 3336), (560, 3348), (576, 3387), (583, 3402), (620, 3534), (622, 3537), (627, 3543), (657, 3594),

Gene: Seanderson_13 Start: 9183, Stop: 10625, Start Num: 109

Candidate Starts for Seanderson_13:

(64, 9117), (Start: 109 @9183 has 196 MA's), (183, 9381), (265, 9594), (394, 9789), (432, 9900), (509, 10095), (521, 10134), (545, 10212), (547, 10218), (558, 10266), (561, 10278), (564, 10287), (592, 10377), (620, 10467), (635, 10500), (644, 10512),

Gene: SemperFi_15 Start: 9598, Stop: 11061, Start Num: 74

Candidate Starts for SemperFi_15:

(Start: 74 @9598 has 580 MA's), (121, 9658), (160, 9763), (224, 9961), (265, 10045), (278, 10078), (374, 10189), (426, 10306), (432, 10333), (434, 10339), (440, 10360), (441, 10366), (455, 10411), (509, 10534), (558, 10705), (563, 10723), (564, 10726), (575, 10753), (580, 10762), (613, 10879), (620, 10909), (633, 10939), (651, 10963),

Gene: Sephiroth_14 Start: 6593, Stop: 8089, Start Num: 53

Candidate Starts for Sephiroth_14:

(Start: 53 @6593 has 7 MA's), (Start: 81 @6635 has 6 MA's), (Start: 83 @6638 has 5 MA's), (106, 6668), (114, 6686), (121, 6704), (183, 6875), (206, 6935), (210, 6953), (254, 7061), (257, 7070), (265, 7085), (269, 7094), (294, 7136), (394, 7262), (411, 7298), (435, 7376), (482, 7466), (490, 7487), (524, 7613), (525, 7616), (537, 7652), (548, 7685), (558, 7730), (559, 7736), (576, 7778), (578, 7781), (582, 7790), (585, 7805), (592, 7841), (594, 7850), (596, 7856), (599, 7862), (606, 7883), (608, 7892), (625, 7943), (633, 7958), (636, 7964), (646, 7979),

Gene: Serenity_12 Start: 8157, Stop: 9614, Start Num: 74

Candidate Starts for Serenity_12:

(Start: 74 @8157 has 580 MA's), (94, 8178), (121, 8217), (160, 8322), (265, 8604), (278, 8637), (330, 8709), (399, 8793), (426, 8865), (432, 8892), (434, 8898), (440, 8919), (521, 9132), (552, 9237), (558, 9264), (564, 9285), (575, 9312), (580, 9321), (613, 9438), (620, 9468), (633, 9498), (651, 9522),

Gene: Severus_11 Start: 6469, Stop: 7929, Start Num: 74

Candidate Starts for Severus_11:

(Start: 74 @6469 has 580 MA's), (Start: 110 @6496 has 2 MA's), (134, 6562), (156, 6616), (160, 6628), (168, 6637), (185, 6697), (211, 6775), (221, 6808), (224, 6826), (243, 6865), (245, 6868), (278, 6946), (390, 7084), (399, 7102), (432, 7201), (434, 7207), (440, 7228), (441, 7234), (448, 7258), (475, 7309), (507, 7414), (545, 7540), (546, 7543), (558, 7594), (559, 7600), (564, 7615), (575, 7645), (580, 7654), (602, 7735), (613, 7771), (620, 7801), (649, 7852), (651, 7855),

Gene: SgtBeansprout_5 Start: 2283, Stop: 3839, Start Num: 47

Candidate Starts for SgtBeansprout_5:

(32, 2157), (33, 2178), (Start: 42 @2268 has 24 MA's), (Start: 47 @2283 has 130 MA's), (104, 2352), (113, 2367), (121, 2388), (Start: 149 @2469 has 2 MA's), (158, 2493), (174, 2526), (183, 2562), (210, 2637), (215, 2658), (220, 2673), (274, 2778), (312, 2844), (326, 2874), (354, 2928), (376, 2970), (394, 3006), (399, 3018), (415, 3051), (426, 3084), (437, 3126), (444, 3156), (482, 3189), (489, 3207), (490, 3213), (504, 3267), (508, 3285), (512, 3297), (516, 3312), (517, 3315), (530, 3348), (557, 3447), (558, 3450), (563, 3468), (582, 3510), (592, 3561), (593, 3564), (601, 3585), (608, 3609), (609, 3612), (612, 3621), (624, 3657), (628, 3672), (640, 3693),

Gene: Shadow1_7 Start: 2862, Stop: 4412, Start Num: 47

Candidate Starts for Shadow1_7:

(31, 2730), (33, 2757), (Start: 42 @2847 has 24 MA's), (Start: 47 @2862 has 130 MA's), (Start: 71 @2892 has 30 MA's), (121, 2970), (Start: 149 @3051 has 2 MA's), (158, 3075), (177, 3117), (210, 3219), (215, 3240), (220, 3255), (226, 3282), (274, 3360), (292, 3399), (326, 3456), (364, 3525), (376, 3549), (394, 3585), (399, 3597), (415, 3630), (426, 3663), (430, 3684), (437, 3705), (444, 3735), (482, 3768), (489, 3786), (512, 3876), (513, 3879), (517, 3894), (534, 3930), (536, 3936), (546, 3978), (558, 4029), (563, 4047), (592, 4140), (593, 4143), (601, 4164), (608, 4188), (609, 4191), (612, 4200),

Gene: Shaka_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Shaka_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: ShakeltOph_3 Start: 2299, Stop: 3663, Start Num: 97

Candidate Starts for ShakeltOph_3:

(Start: 97 @2299 has 14 MA's), (143, 2413), (Start: 149 @2422 has 2 MA's), (185, 2521), (423, 2962), (424, 2965), (507, 3184), (534, 3262), (594, 3481), (598, 3490),

Gene: Sham4_13 Start: 9787, Stop: 11244, Start Num: 74

Candidate Starts for Sham4_13:

(Start: 74 @9787 has 580 MA's), (116, 9832), (121, 9847), (160, 9952), (265, 10234), (278, 10267), (399, 10423), (426, 10495), (432, 10522), (434, 10528), (440, 10549), (455, 10600), (551, 10864), (558, 10894), (564, 10915), (569, 10930), (575, 10942), (580, 10951), (604, 11038), (613, 11068), (620, 11098), (633, 11128), (679, 11194),

Gene: Shaobing_9 Start: 3102, Stop: 4652, Start Num: 47

Candidate Starts for Shaobing_9:

(33, 2997), (Start: 42 @3087 has 24 MA's), (Start: 47 @3102 has 130 MA's), (121, 3204), (Start: 149 @3285 has 2 MA's), (158, 3309), (177, 3351), (210, 3453), (215, 3474), (220, 3489), (269, 3579), (274, 3594), (317, 3669), (339, 3714), (357, 3744), (364, 3759), (365, 3765), (376, 3783), (394, 3819), (399, 3831), (415, 3864), (426, 3897), (430, 3918), (435, 3933), (437, 3939), (444, 3969), (482, 4002), (489, 4020), (508, 4098), (512, 4110), (513, 4113), (516, 4125), (517, 4128), (534, 4164), (557, 4260), (558, 4263), (563, 4281), (582, 4323), (592, 4374), (601, 4398), (608, 4422), (609, 4425), (612, 4434), (633, 4494), (658, 4530), (674, 4557),

Gene: Shauna1_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Shauna1_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: ShayRa_16 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for ShayRa_16:

(Start: 74 @8502 has 580 MA's), (121, 8562), (160, 8667), (184, 8733), (248, 8916), (265, 8949), (278, 8982), (426, 9213), (432, 9240), (434, 9246), (440, 9267), (445, 9288), (455, 9318), (479, 9342), (507, 9432), (515, 9462), (545, 9558), (552, 9585), (558, 9612), (563, 9630), (564, 9633), (575, 9666), (580, 9675), (613, 9792), (620, 9822), (651, 9876),

Gene: SheaKeira_13 Start: 8094, Stop: 9584, Start Num: 74

Candidate Starts for SheaKeira_13:

(Start: 74 @8094 has 580 MA's), (121, 8154), (160, 8259), (189, 8343), (202, 8373), (229, 8469), (265, 8541), (394, 8718), (411, 8754), (415, 8763), (426, 8802), (431, 8826), (432, 8829), (434, 8835), (439, 8853), (440, 8856), (455, 8907), (558, 9201), (563, 9219), (575, 9249), (580, 9258), (604, 9345), (611, 9369), (613, 9375), (620, 9405), (645, 9450), (651, 9459), (695, 9546),

Gene: ShedlockHolmes_8 Start: 2923, Stop: 4488, Start Num: 47

Candidate Starts for ShedlockHolmes_8:

(36, 2890), (Start: 47 @2923 has 130 MA's), (117, 3028), (121, 3037), (126, 3052), (158, 3142), (174, 3175), (178, 3187), (185, 3217), (210, 3286), (220, 3322), (226, 3349), (265, 3400), (269, 3409), (274, 3424), (317, 3499), (322, 3514), (326, 3520), (332, 3529), (339, 3544), (365, 3595), (399, 3661), (415, 3694), (418, 3700), (426, 3727), (430, 3748), (437, 3769), (482, 3832), (489, 3850), (508, 3928), (512, 3940), (513, 3943), (517, 3958), (544, 4039), (546, 4045), (557, 4093), (563, 4114), (601, 4231), (609, 4258), (612, 4267), (624, 4303),

Gene: Sheen_14 Start: 10056, Stop: 11552, Start Num: 74

Candidate Starts for Sheen_14:

(Start: 74 @10056 has 580 MA's), (160, 10221), (202, 10371), (221, 10437), (256, 10521), (268, 10545), (278, 10572), (286, 10590), (344, 10653), (385, 10701), (390, 10713), (398, 10728), (399, 10731), (426, 10803), (432, 10830), (434, 10836), (440, 10857), (445, 10878), (448, 10887), (475, 10935), (507, 11040), (545, 11166), (546, 11169), (558, 11220), (559, 11226), (564, 11241), (593, 11340), (602, 11361), (604, 11367), (613, 11397), (620, 11427), (633, 11457), (635, 11460), (649, 11478),

Gene: SheldonCooper_12 Start: 8556, Stop: 10007, Start Num: 74

Candidate Starts for SheldonCooper_12:

(Start: 74 @8556 has 580 MA's), (160, 8715), (217, 8883), (224, 8913), (244, 8952), (253, 8970), (278, 9030), (385, 9159), (394, 9177), (432, 9288), (434, 9294), (440, 9315), (441, 9321), (475, 9390), (497, 9450), (545, 9621), (546, 9624), (558, 9675), (559, 9681), (564, 9696), (575, 9726), (602, 9816), (613, 9852), (615, 9864), (620, 9882), (633, 9912),

Gene: ShiLan_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for ShiLan_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: ShiaSurprise_9 Start: 3055, Stop: 4623, Start Num: 42

Candidate Starts for ShiaSurprise_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: ShortQueendom_11 Start: 8325, Stop: 9767, Start Num: 109

Candidate Starts for ShortQueendom_11:

(64, 8259), (Start: 109 @8325 has 196 MA's), (183, 8523), (265, 8736), (394, 8931), (399, 8943), (432, 9042), (509, 9237), (521, 9276), (545, 9354), (547, 9360), (558, 9408), (561, 9420), (564, 9429), (592, 9519), (620, 9609), (635, 9642), (644, 9654),

Gene: ShowerHandel_3 Start: 2241, Stop: 3611, Start Num: 102

Candidate Starts for ShowerHandel_3:

(Start: 102 @2241 has 236 MA's), (Start: 120 @2277 has 8 MA's), (Start: 128 @2301 has 1 MA's), (132, 2310), (134, 2316), (135, 2319), (148, 2358), (177, 2424), (178, 2427), (198, 2496), (210, 2535),

(212, 2544), (227, 2592), (265, 2652), (285, 2700), (320, 2745), (380, 2790), (391, 2817), (413, 2862), (421, 2883), (422, 2886), (423, 2889), (428, 2910), (430, 2919), (444, 2970), (445, 2973), (448, 2982), (459, 3012), (467, 3033), (493, 3102), (496, 3111), (506, 3162), (507, 3165), (524, 3225), (526, 3231), (550, 3309), (558, 3342), (561, 3354), (580, 3393), (587, 3417), (642, 3579),

Gene: ShroomBoi_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for ShroomBoi_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (525, 3242), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Shuman_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Shuman_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Shygu2_12 Start: 8581, Stop: 10032, Start Num: 74

Candidate Starts for Shygu2_12:

(Start: 74 @8581 has 580 MA's), (156, 8731), (160, 8743), (211, 8890), (217, 8911), (224, 8941), (244, 8980), (253, 8998), (256, 9007), (278, 9058), (385, 9187), (394, 9205), (415, 9250), (432, 9316), (434, 9322), (440, 9343), (441, 9349), (475, 9418), (497, 9478), (507, 9523), (545, 9649), (546, 9652), (558, 9703), (559, 9709), (563, 9721), (564, 9724), (575, 9751), (604, 9847), (613, 9877), (620, 9907), (633, 9937),

Gene: SiSi_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for SiSi_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (515, 3194), (522, 3218), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (631, 3560), (642, 3578),

Gene: Sibs6_14 Start: 8958, Stop: 10400, Start Num: 109

Candidate Starts for Sibs6_14:

(64, 8892), (Start: 109 @8958 has 196 MA's), (183, 9156), (265, 9369), (394, 9564), (395, 9567), (432, 9675), (453, 9747), (509, 9870), (521, 9909), (545, 9987), (547, 9993), (558, 10041), (561, 10053), (564, 10062), (592, 10152), (620, 10242), (635, 10275), (644, 10287),

Gene: Silverleaf_5 Start: 2625, Stop: 4298, Start Num: 74

Candidate Starts for Silverleaf_5:

(Start: 74 @2625 has 580 MA's), (121, 2688), (137, 2742), (147, 2766), (178, 2835), (183, 2859), (210, 2937), (220, 2973), (265, 3066), (267, 3069), (318, 3144), (341, 3183), (394, 3246), (406, 3273), (407, 3276), (418, 3297), (424, 3318), (435, 3360), (436, 3363), (485, 3465), (490, 3480), (492, 3486), (513, 3567), (521, 3594), (522, 3600), (551, 3693), (557, 3720), (559, 3729), (582, 3783), (586, 3804), (591, 3825), (598, 3852), (601, 3861), (617, 3921), (633, 3951), (638, 3960), (697, 4068), (718, 4263),

Gene: Simpson_3 Start: 2269, Stop: 3645, Start Num: 99

Candidate Starts for Simpson_3:

(Start: 99 @2269 has 43 MA's), (Start: 149 @2389 has 2 MA's), (185, 2488), (198, 2527), (310, 2752), (383, 2845), (449, 3025), (518, 3193), (534, 3232), (540, 3262), (548, 3286), (598, 3460), (601, 3469), (647, 3580),

Gene: SimranZ1_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for SimranZ1_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: SirPhilip_8 Start: 2803, Stop: 4356, Start Num: 42

Candidate Starts for SirPhilip_8:

(31, 2686), (33, 2713), (Start: 42 @2803 has 24 MA's), (Start: 47 @2818 has 130 MA's), (104, 2884), (121, 2920), (136, 2974), (158, 3025), (174, 3058), (177, 3067), (210, 3169), (215, 3190), (220, 3205), (224, 3226), (226, 3232), (274, 3310), (292, 3349), (326, 3406), (346, 3442), (364, 3475), (376, 3499), (394, 3535), (399, 3547), (415, 3580), (426, 3613), (430, 3634), (437, 3655), (444, 3685), (482, 3718), (489, 3736), (508, 3814), (512, 3826), (516, 3841), (517, 3844), (525, 3871), (546, 3928), (558, 3979), (563, 3997), (592, 4090), (601, 4114), (609, 4141), (612, 4150), (624, 4186),

Gene: SkiPole_14 Start: 8832, Stop: 10274, Start Num: 109

Candidate Starts for SkiPole_14:

(64, 8766), (Start: 109 @8832 has 196 MA's), (183, 9030), (265, 9243), (394, 9438), (399, 9450), (432, 9549), (509, 9744), (521, 9783), (545, 9861), (547, 9867), (558, 9915), (561, 9927), (564, 9936), (580, 9969), (592, 10026), (620, 10116), (635, 10149), (644, 10161),

Gene: Skinny_16 Start: 6259, Stop: 7881, Start Num: 48

Candidate Starts for Skinny_16:

(Start: 48 @6259 has 21 MA's), (56, 6274), (124, 6382), (130, 6400), (147, 6448), (162, 6481), (169, 6493), (177, 6517), (183, 6544), (185, 6550), (210, 6622), (211, 6628), (220, 6658), (248, 6739), (253, 6745), (254, 6748), (263, 6766), (385, 6922), (394, 6940), (399, 6952), (420, 7000), (436, 7057), (437, 7060), (465, 7129), (495, 7183), (504, 7219), (518, 7270), (520, 7273), (532, 7303), (536, 7312), (552, 7378), (553, 7381), (557, 7402), (558, 7405), (578, 7456), (601, 7543), (646, 7654), (663, 7684), (681, 7720), (684, 7726), (691, 7741), (697, 7753), (714, 7837),

Gene: Skipitt_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Skipitt_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (557, 9694), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: Skysand_27 Start: 14990, Stop: 16573, Start Num: 70

Candidate Starts for Skysand_27:

(Start: 70 @14990 has 5 MA's), (Start: 76 @14999 has 71 MA's), (121, 15077), (210, 15344), (254, 15458), (419, 15728), (441, 15812), (445, 15827), (450, 15842), (486, 15923), (513, 16031), (522, 16064), (553, 16163), (558, 16187), (560, 16196), (584, 16256), (601, 16322), (607, 16340), (609, 16349), (621, 16394), (628, 16409),

Gene: Slagathor_13 Start: 8610, Stop: 10052, Start Num: 109

Candidate Starts for Slagathor_13:

(64, 8544), (Start: 109 @8610 has 196 MA's), (183, 8808), (265, 9021), (394, 9216), (399, 9228), (432, 9327), (453, 9399), (509, 9522), (521, 9561), (545, 9639), (547, 9645), (558, 9693), (561, 9705), (564, 9714), (592, 9804), (620, 9894), (635, 9927), (644, 9939),

Gene: Slarp_10 Start: 3932, Stop: 5518, Start Num: 45

Candidate Starts for Slarp_10:

(Start: 42 @3917 has 24 MA's), (Start: 45 @3932 has 26 MA's), (56, 3956), (104, 4022), (124, 4067), (Start: 149 @4139 has 2 MA's), (174, 4196), (177, 4205), (178, 4208), (185, 4238), (210, 4307), (215, 4328), (224, 4364), (226, 4370), (253, 4394), (269, 4430), (274, 4445), (292, 4484), (370, 4619), (376, 4628), (385, 4646), (398, 4673), (399, 4676), (415, 4709), (426, 4742), (430, 4763), (437, 4784), (482, 4847), (490, 4871), (498, 4895), (508, 4943), (512, 4955), (515, 4967), (517, 4973), (532, 5012), (561, 5126), (563, 5132), (601, 5303), (609, 5330), (612, 5339), (635, 5402), (642, 5414),

Gene: Sleepyhead_3 Start: 1933, Stop: 3366, Start Num: 98

Candidate Starts for Sleepyhead_3:

(92, 1927), (Start: 98 @1933 has 18 MA's), (107, 1945), (155, 2056), (167, 2086), (221, 2254), (224, 2272), (226, 2278), (306, 2416), (408, 2554), (415, 2566), (430, 2614), (436, 2632), (463, 2719), (477, 2773), (497, 2830), (504, 2863), (511, 2890), (513, 2896), (537, 2974), (558, 3052), (559, 3058), (594, 3169), (595, 3172), (603, 3190), (605, 3196), (609, 3211), (660, 3325), (662, 3331),

Gene: SlimJimmy_14 Start: 6259, Stop: 7881, Start Num: 48

Candidate Starts for SlimJimmy_14:

(Start: 48 @6259 has 21 MA's), (56, 6274), (124, 6382), (130, 6400), (147, 6448), (162, 6481), (169, 6493), (177, 6517), (183, 6544), (185, 6550), (210, 6622), (211, 6628), (220, 6658), (248, 6739), (253, 6745), (254, 6748), (263, 6766), (385, 6922), (394, 6940), (399, 6952), (420, 7000), (436, 7057), (437, 7060), (465, 7129), (495, 7183), (504, 7219), (518, 7270), (520, 7273), (532, 7303), (536, 7312), (552, 7378), (553, 7381), (557, 7402), (558, 7405), (578, 7456), (601, 7543), (646, 7654), (663, 7684), (681, 7720), (684, 7726), (691, 7741), (697, 7753), (714, 7837),

Gene: Slimphazie_9 Start: 3020, Stop: 4579, Start Num: 47

Candidate Starts for Slimphazie_9:

(33, 2918), (Start: 42 @3005 has 24 MA's), (Start: 47 @3020 has 130 MA's), (117, 3122), (121, 3131), (143, 3203), (Start: 149 @3212 has 2 MA's), (158, 3236), (174, 3269), (177, 3278), (185, 3311), (191, 3329), (210, 3380), (215, 3401), (226, 3443), (269, 3509), (274, 3524), (317, 3599), (326, 3620), (357, 3674), (415, 3794), (426, 3827), (430, 3848), (437, 3869), (444, 3899), (482, 3932), (489, 3950), (508, 4028), (512, 4040), (513, 4043), (516, 4055), (517, 4058), (534, 4094), (546, 4142), (558, 4193), (563, 4211), (593, 4307), (601, 4328), (609, 4355), (612, 4364), (624, 4400),

Gene: Smairt_13 Start: 9129, Stop: 10571, Start Num: 109

Candidate Starts for Smairt_13:

(64, 9063), (Start: 109 @9129 has 196 MA's), (183, 9327), (265, 9540), (394, 9735), (432, 9846), (509, 10041), (521, 10080), (545, 10158), (547, 10164), (558, 10212), (561, 10224), (564, 10233), (592, 10323), (620, 10413), (635, 10446), (644, 10458),

Gene: Smeadley_10 Start: 7455, Stop: 8885, Start Num: 76

Candidate Starts for Smeadley_10:

(Start: 76 @7455 has 71 MA's), (159, 7605), (265, 7887), (344, 7998), (394, 8061), (415, 8106), (432, 8172), (440, 8199), (507, 8364), (537, 8466), (558, 8544), (559, 8550), (580, 8601), (613, 8718), (620, 8748), (652, 8802),

Gene: Smeagan_15 Start: 9670, Stop: 11130, Start Num: 74

Candidate Starts for Smeagan_15:

(Start: 74 @9670 has 580 MA's), (121, 9730), (160, 9835), (224, 10033), (265, 10117), (278, 10150), (394, 10294), (426, 10378), (432, 10405), (434, 10411), (440, 10432), (441, 10438), (455, 10483), (558, 10777), (563, 10795), (564, 10798), (575, 10825), (580, 10834), (613, 10951), (620, 10981), (633, 11011), (651, 11035),

Gene: Smeagol_13 Start: 9550, Stop: 10986, Start Num: 109

Candidate Starts for Smeagol_13:

(64, 9484), (Start: 109 @9550 has 196 MA's), (183, 9748), (265, 9961), (394, 10156), (399, 10168), (432, 10267), (509, 10462), (521, 10501), (545, 10579), (547, 10585), (558, 10633), (561, 10645), (564, 10654), (592, 10744), (620, 10834), (635, 10867), (671, 10927),

Gene: SmellyB_16 Start: 9284, Stop: 10747, Start Num: 74

Candidate Starts for SmellyB_16:

(Start: 74 @9284 has 580 MA's), (94, 9305), (121, 9344), (152, 9431), (157, 9443), (160, 9449), (265, 9731), (408, 9944), (426, 9995), (432, 10022), (434, 10028), (440, 10049), (564, 10415), (575, 10442), (580, 10451), (593, 10511), (613, 10568), (620, 10598), (633, 10628), (653, 10655),

Gene: Smoothie_32 Start: 10444, Stop: 12060, Start Num: 62

Candidate Starts for Smoothie_32:

(Start: 62 @10444 has 16 MA's), (Start: 97 @10495 has 14 MA's), (104, 10504), (Start: 128 @10564 has 1 MA's), (148, 10621), (166, 10657), (181, 10702), (187, 10729), (265, 10933), (276, 10963), (296, 10999), (331, 11044), (345, 11053), (352, 11068), (421, 11206), (422, 11209), (427, 11227), (428, 11233), (440, 11275), (494, 11467), (515, 11554), (524, 11584), (539, 11629), (553, 11677), (555, 11692), (582, 11755), (587, 11779), (588, 11785), (590, 11794), (612, 11863), (629, 11914), (631, 11917), (638, 11929),

Gene: SnapTap_13 Start: 9170, Stop: 10633, Start Num: 74

Candidate Starts for SnapTap_13:

(Start: 74 @9170 has 580 MA's), (121, 9230), (160, 9335), (224, 9533), (265, 9617), (278, 9650), (374, 9761), (426, 9878), (432, 9905), (434, 9911), (440, 9932), (441, 9938), (455, 9983), (509, 10106), (558, 10277), (563, 10295), (564, 10298), (575, 10325), (580, 10334), (613, 10451), (620, 10481), (633, 10511),

Gene: Snape_13 Start: 9787, Stop: 11244, Start Num: 74

Candidate Starts for Snape_13:

(Start: 74 @9787 has 580 MA's), (116, 9832), (121, 9847), (160, 9952), (265, 10234), (278, 10267), (399, 10423), (426, 10495), (432, 10522), (434, 10528), (440, 10549), (455, 10600), (551, 10864), (558, 10894), (564, 10915), (569, 10930), (575, 10942), (580, 10951), (604, 11038), (613, 11068), (620, 11098), (633, 11128), (679, 11194),

Gene: Snazzy_10 Start: 8139, Stop: 9581, Start Num: 109

Candidate Starts for Snazzy_10:

(64, 8073), (Start: 109 @8139 has 196 MA's), (183, 8337), (265, 8550), (394, 8745), (399, 8757), (432, 8856), (453, 8928), (509, 9051), (521, 9090), (545, 9168), (547, 9174), (558, 9222), (561, 9234), (564, 9243), (592, 9333), (620, 9423), (635, 9456), (644, 9468),

Gene: Snek_4 Start: 3136, Stop: 4500, Start Num: 98

Candidate Starts for Snek_4:

(Start: 98 @3136 has 18 MA's), (135, 3217), (Start: 149 @3256 has 2 MA's), (197, 3391), (224, 3481), (243, 3517), (254, 3526), (380, 3703), (383, 3712), (507, 4018), (534, 4096), (540, 4126), (588, 4285), (594, 4315), (598, 4324),

Gene: Snenia_6 Start: 2756, Stop: 4399, Start Num: 74

Candidate Starts for Snenia_6:

(Start: 74 @2756 has 580 MA's), (118, 2816), (178, 2966), (185, 2996), (210, 3068), (228, 3134), (257, 3182), (318, 3275), (341, 3314), (406, 3404), (411, 3413), (418, 3428), (492, 3617), (502, 3650), (510, 3689), (522, 3731), (582, 3914), (591, 3956), (598, 3983), (601, 3992), (617, 4052), (633, 4082), (638, 4091), (681, 4166), (697, 4199),

Gene: Snickers_14 Start: 8628, Stop: 10082, Start Num: 74

Candidate Starts for Snickers_14:

(Start: 74 @8628 has 580 MA's), (Start: 110 @8658 has 2 MA's), (121, 8685), (160, 8790), (202, 8904), (221, 8970), (244, 9027), (278, 9105), (279, 9108), (394, 9249), (432, 9360), (434, 9366), (440, 9387), (507, 9552), (545, 9678), (558, 9732), (559, 9738), (564, 9753), (580, 9789), (604, 9876), (613, 9906), (620, 9936), (645, 9981), (652, 9990),

Gene: Snorlax_7 Start: 4055, Stop: 5491, Start Num: 102

Candidate Starts for Snorlax_7:

(Start: 96 @4049 has 4 MA's), (Start: 102 @4055 has 236 MA's), (117, 4079), (125, 4103), (Start: 149 @4172 has 2 MA's), (172, 4220), (175, 4232), (185, 4271), (228, 4424), (298, 4538), (326, 4580), (341, 4607), (369, 4640), (373, 4646), (419, 4736), (423, 4748), (443, 4823), (448, 4841), (483, 4919), (498, 4964), (511, 5021), (578, 5234), (585, 5258), (622, 5390), (661, 5456), (681, 5477),

Gene: SoSeph_7 Start: 2788, Stop: 4323, Start Num: 47

Candidate Starts for SoSeph_7:

(Start: 47 @2788 has 130 MA's), (104, 2860), (121, 2896), (124, 2905), (136, 2950), (174, 3034), (178, 3046), (185, 3076), (191, 3094), (210, 3145), (220, 3181), (226, 3208), (265, 3259), (267, 3262), (269, 3268), (274, 3283), (275, 3286), (317, 3358), (326, 3379), (342, 3409), (365, 3454), (394, 3508), (415, 3553), (426, 3586), (430, 3607), (435, 3622), (436, 3625), (437, 3628), (482, 3691), (489, 3709), (490, 3715), (508, 3787), (512, 3799), (513, 3802), (517, 3817), (536, 3862), (537, 3877), (544, 3898), (557, 3952), (558, 3955), (563, 3973), (568, 3988), (590, 4054), (593, 4069), (601, 4090), (612, 4126), (624, 4162), (674, 4249),

Gene: SoYo_14 Start: 8565, Stop: 10019, Start Num: 74

Candidate Starts for SoYo_14:

(Start: 74 @8565 has 580 MA's), (Start: 110 @8595 has 2 MA's), (121, 8622), (160, 8727), (202, 8841), (221, 8907), (244, 8964), (278, 9042), (279, 9045), (394, 9186), (432, 9297), (434, 9303), (440, 9324), (507, 9489), (545, 9615), (558, 9669), (559, 9675), (564, 9690), (580, 9726), (604, 9813), (613, 9843), (620, 9873), (645, 9918), (652, 9927),

Gene: SoilDragon_14 Start: 8339, Stop: 9793, Start Num: 74

Candidate Starts for SoilDragon_14:

(Start: 74 @8339 has 580 MA's), (Start: 110 @8369 has 2 MA's), (121, 8396), (160, 8501), (202, 8615), (221, 8681), (244, 8738), (278, 8816), (279, 8819), (394, 8960), (432, 9071), (434, 9077), (440, 9098), (507, 9263), (545, 9389), (558, 9443), (559, 9449), (564, 9464), (580, 9500), (604, 9587), (613, 9617), (620, 9647), (645, 9692), (652, 9701),

Gene: Solon_12 Start: 9291, Stop: 10733, Start Num: 109

Candidate Starts for Solon_12:

(64, 9225), (Start: 109 @9291 has 196 MA's), (183, 9489), (265, 9702), (394, 9897), (399, 9909), (432, 10008), (453, 10080), (509, 10203), (521, 10242), (545, 10320), (547, 10326), (558, 10374), (561, 10386), (564, 10395), (592, 10485), (620, 10575), (635, 10608), (644, 10620),

Gene: Soondubu_3 Start: 2296, Stop: 3684, Start Num: 97

Candidate Starts for Soondubu_3:

(Start: 97 @2296 has 14 MA's), (Start: 149 @2419 has 2 MA's), (226, 2650), (254, 2689), (477, 3085), (540, 3289), (588, 3448), (594, 3478), (598, 3487), (624, 3565),

Gene: SororFago_12 Start: 8293, Stop: 9759, Start Num: 74

Candidate Starts for SororFago_12:

(Start: 74 @8293 has 580 MA's), (121, 8353), (160, 8458), (185, 8527), (229, 8668), (265, 8740), (320, 8833), (328, 8842), (395, 8920), (426, 9001), (432, 9028), (434, 9034), (439, 9052), (440, 9055), (445, 9076), (455, 9106), (477, 9127), (487, 9145), (504, 9208), (521, 9268), (558, 9400), (563, 9418), (575, 9448), (580, 9457), (593, 9517), (613, 9574), (620, 9604), (633, 9634), (651, 9658),

Gene: Sorpresa_11 Start: 8657, Stop: 10099, Start Num: 109

Candidate Starts for Sorpresa_11:

(64, 8591), (Start: 109 @8657 has 196 MA's), (183, 8855), (265, 9068), (394, 9263), (399, 9275), (432, 9374), (509, 9569), (521, 9608), (545, 9686), (547, 9692), (558, 9740), (561, 9752), (564, 9761), (592, 9851), (620, 9941), (635, 9974), (644, 9986),

Gene: Soshari_16 Start: 8737, Stop: 10191, Start Num: 74

Candidate Starts for Soshari_16:

(Start: 74 @8737 has 580 MA's), (Start: 110 @8767 has 2 MA's), (121, 8794), (160, 8899), (202, 9013), (221, 9079), (244, 9136), (278, 9214), (279, 9217), (394, 9358), (432, 9469), (434, 9475), (440, 9496), (507, 9661), (545, 9787), (558, 9841), (559, 9847), (564, 9862), (580, 9898), (604, 9985), (613, 10015), (620, 10045), (645, 10090), (652, 10099),

Gene: Soups_15 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for Soups_15:

(Start: 74 @8502 has 580 MA's), (121, 8562), (160, 8667), (184, 8733), (248, 8916), (265, 8949), (278, 8982), (426, 9213), (432, 9240), (434, 9246), (440, 9267), (445, 9288), (455, 9318), (479, 9342), (515, 9462), (545, 9558), (552, 9585), (558, 9612), (563, 9630), (564, 9633), (575, 9666), (580, 9675), (613, 9792), (620, 9822), (651, 9876),

Gene: South40_8 Start: 4327, Stop: 5763, Start Num: 102

Candidate Starts for South40_8:

(Start: 93 @4318 has 3 MA's), (Start: 96 @4321 has 4 MA's), (Start: 102 @4327 has 236 MA's), (117, 4351), (125, 4375), (Start: 149 @4444 has 2 MA's), (172, 4492), (179, 4516), (185, 4543), (228, 4696), (298, 4810), (326, 4852), (334, 4864), (341, 4879), (373, 4918), (419, 5008), (423, 5020), (448, 5113), (483, 5191), (498, 5236), (511, 5293), (585, 5530), (681, 5749),

Gene: Sparkdehlily_3 Start: 2256, Stop: 3626, Start Num: 102

Candidate Starts for Sparkdehlily_3:

(Start: 102 @2256 has 236 MA's), (Start: 120 @2292 has 8 MA's), (Start: 128 @2316 has 1 MA's), (132, 2325), (134, 2331), (135, 2334), (148, 2373), (177, 2439), (178, 2442), (198, 2511), (210, 2550), (212, 2559), (227, 2607), (265, 2667), (285, 2715), (320, 2760), (380, 2805), (391, 2832), (413, 2877), (421, 2898), (422, 2901), (423, 2904), (428, 2925), (430, 2934), (444, 2985), (445, 2988), (448, 2997), (459, 3027), (467, 3048), (493, 3117), (496, 3126), (506, 3177), (507, 3180), (522, 3234), (524, 3240), (525, 3243), (526, 3246), (545, 3303), (558, 3357), (561, 3369), (576, 3402), (580, 3408), (587, 3432), (631, 3576), (642, 3594),

Gene: Sparky_3 Start: 2308, Stop: 3759, Start Num: 97

Candidate Starts for Sparky_3:

(94, 2305), (Start: 97 @2308 has 14 MA's), (Start: 101 @2314 has 52 MA's), (121, 2353), (140, 2419), (172, 2482), (178, 2503), (182, 2518), (185, 2533), (220, 2638), (225, 2662), (326, 2836), (332, 2845), (374, 2935), (385, 2956), (398, 2983), (399, 2986), (436, 3091), (480, 3160), (498, 3205), (527, 3313),

(532, 3322), (537, 3346), (549, 3388), (558, 3424), (563, 3442), (590, 3523), (607, 3586), (614, 3616), (650, 3679),

Gene: Spartacus_3 Start: 2243, Stop: 3613, Start Num: 102

Candidate Starts for Spartacus_3:

(Start: 102 @2243 has 236 MA's), (Start: 120 @2279 has 8 MA's), (Start: 128 @2303 has 1 MA's), (132, 2312), (134, 2318), (135, 2321), (148, 2360), (177, 2426), (178, 2429), (198, 2498), (210, 2537), (212, 2546), (227, 2594), (265, 2654), (285, 2702), (320, 2747), (380, 2792), (391, 2819), (413, 2864), (421, 2885), (422, 2888), (423, 2891), (428, 2912), (430, 2921), (444, 2972), (445, 2975), (448, 2984), (459, 3014), (467, 3035), (493, 3104), (496, 3113), (506, 3164), (507, 3167), (524, 3227), (526, 3233), (558, 3344), (561, 3356), (576, 3389), (580, 3395), (587, 3419), (642, 3581),

Gene: Sparxx_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Sparxx_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: SpeedDemon_140 Start: 8140, Stop: 9699, Start Num: 61

Candidate Starts for SpeedDemon_140:

(9, 7426), (11, 7432), (15, 7645), (23, 7774), (27, 7834), (28, 7837), (Start: 61 @8140 has 5 MA's), (166, 8356), (181, 8401), (212, 8506), (265, 8605), (267, 8608), (276, 8635), (323, 8704), (409, 8839), (421, 8872), (422, 8875), (428, 8899), (442, 8950), (474, 9070), (499, 9145), (513, 9208), (524, 9247), (540, 9295), (548, 9319), (563, 9382), (589, 9454), (592, 9469), (612, 9526), (623, 9565), (629, 9577), (631, 9580), (640, 9595), (646, 9604),

Gene: Spike509_14 Start: 8738, Stop: 10192, Start Num: 74

Candidate Starts for Spike509_14:

(Start: 74 @8738 has 580 MA's), (Start: 110 @8768 has 2 MA's), (121, 8795), (160, 8900), (202, 9014), (221, 9080), (244, 9137), (278, 9215), (279, 9218), (394, 9359), (432, 9470), (434, 9476), (440, 9497), (507, 9662), (545, 9788), (558, 9842), (559, 9848), (564, 9863), (580, 9899), (604, 9986), (613, 10016), (620, 10046), (645, 10091), (652, 10100),

Gene: SpikeBT_14 Start: 9594, Stop: 11036, Start Num: 109

Candidate Starts for SpikeBT_14:

(64, 9528), (Start: 109 @9594 has 196 MA's), (183, 9792), (265, 10005), (394, 10200), (395, 10203), (399, 10212), (432, 10311), (509, 10506), (521, 10545), (545, 10623), (547, 10629), (558, 10677), (561, 10689), (564, 10698), (592, 10788), (620, 10878), (635, 10911), (644, 10923),

Gene: Spikelee_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Spikelee_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Spino_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Spino_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475,

9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Spock_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Spock_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Spoonbill_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for Spoonbill_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: Spouty_13 Start: 9923, Stop: 11410, Start Num: 74

Candidate Starts for Spouty_13:

(Start: 74 @9923 has 580 MA's), (121, 9986), (160, 10091), (185, 10160), (229, 10301), (265, 10373), (288, 10427), (394, 10550), (411, 10586), (415, 10595), (426, 10634), (432, 10661), (434, 10667), (440, 10688), (455, 10739), (487, 10778), (558, 11033), (563, 11051), (575, 11081), (576, 11084), (580, 11090), (611, 11201), (613, 11207), (620, 11237), (645, 11282), (651, 11291),

Gene: SqueakyClean_8 Start: 4130, Stop: 5617, Start Num: 102

Candidate Starts for SqueakyClean_8:

(Start: 102 @4130 has 236 MA's), (Start: 149 @4247 has 2 MA's), (185, 4346), (195, 4400), (210, 4439), (326, 4652), (423, 4820), (443, 4895), (445, 4904), (448, 4913), (454, 4931), (456, 4937), (498, 5078), (509, 5129), (511, 5135), (585, 5372), (612, 5471), (622, 5504), (681, 5603),

Gene: Squee_13 Start: 9135, Stop: 10577, Start Num: 109

Candidate Starts for Squee_13:

(64, 9069), (Start: 109 @9135 has 196 MA's), (183, 9333), (265, 9546), (394, 9741), (395, 9744), (399, 9753), (432, 9852), (509, 10047), (521, 10086), (545, 10164), (547, 10170), (558, 10218), (561, 10230), (564, 10239), (580, 10272), (592, 10329), (620, 10419), (635, 10452), (644, 10464),

Gene: Squirty_4 Start: 2198, Stop: 3619, Start Num: 101

Candidate Starts for Squirty_4:

(Start: 101 @2198 has 52 MA's), (116, 2225), (121, 2237), (172, 2366), (177, 2384), (185, 2417), (210, 2486), (220, 2522), (224, 2543), (226, 2549), (253, 2573), (254, 2576), (285, 2651), (289, 2657), (308, 2684), (319, 2702), (339, 2744), (367, 2795), (378, 2813), (394, 2846), (398, 2855), (420, 2906), (423, 2915), (430, 2945), (436, 2963), (444, 2996), (490, 3053), (512, 3137), (517, 3155), (525, 3182), (532, 3194), (534, 3197), (536, 3203), (537, 3218), (548, 3251), (582, 3356), (583, 3359), (601, 3431), (603, 3437), (606, 3446), (607, 3449), (608, 3455), (612, 3467), (638, 3530), (666, 3578),

Gene: StAnnes_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for StAnnes_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549),

(212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (525, 3242), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: StCroix_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for StCroix_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Stagni_14 Start: 8656, Stop: 10110, Start Num: 74

Candidate Starts for Stagni_14:

(Start: 74 @8656 has 580 MA's), (Start: 110 @8686 has 2 MA's), (121, 8713), (160, 8818), (202, 8932), (221, 8998), (244, 9055), (278, 9133), (279, 9136), (394, 9277), (432, 9388), (434, 9394), (440, 9415), (507, 9580), (545, 9706), (558, 9760), (559, 9766), (564, 9781), (580, 9817), (604, 9904), (613, 9934), (620, 9964), (645, 10009), (652, 10018),

Gene: Stap_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Stap_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: StarStruck_26 Start: 14578, Stop: 16155, Start Num: 71

Candidate Starts for StarStruck_26:

(Start: 71 @14578 has 30 MA's), (Start: 74 @14584 has 580 MA's), (89, 14602), (121, 14662), (185, 14854), (210, 14932), (216, 14956), (314, 15157), (348, 15190), (403, 15277), (419, 15310), (446, 15412), (450, 15424), (486, 15505), (522, 15646), (553, 15745), (558, 15769), (560, 15778), (584, 15838), (599, 15898), (607, 15922), (609, 15931),

Gene: StarStuff_16 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for StarStuff_16:

(Start: 74 @9159 has 580 MA's), (121, 9219), (156, 9312), (160, 9324), (265, 9606), (374, 9750), (398, 9792), (426, 9867), (432, 9894), (434, 9900), (440, 9921), (441, 9927), (558, 10266), (564, 10287), (575, 10314), (580, 10323), (604, 10410), (613, 10440), (620, 10470), (633, 10500), (651, 10524),

Gene: Starcevich_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Starcevich_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Stasia_13 Start: 9023, Stop: 10474, Start Num: 74

Candidate Starts for Stasia_13:

(Start: 74 @9023 has 580 MA's), (160, 9185), (211, 9332), (217, 9353), (224, 9383), (244, 9422), (253, 9440), (278, 9500), (320, 9560), (394, 9644), (399, 9656), (431, 9752), (432, 9755), (434, 9761), (440, 9782), (441, 9788), (475, 9857), (507, 9962), (525, 10025), (545, 10088), (546, 10091), (558, 10142), (564, 10163), (575, 10190), (613, 10316), (620, 10346), (633, 10376),

Gene: Steamy_14 Start: 9733, Stop: 11208, Start Num: 74

Candidate Starts for Steamy_14:

(25, 9388), (Start: 74 @9733 has 580 MA's), (121, 9793), (160, 9898), (179, 9940), (202, 10012), (229, 10108), (265, 10180), (426, 10441), (432, 10468), (434, 10474), (440, 10495), (455, 10546), (558, 10840), (563, 10858), (575, 10888), (580, 10897), (593, 10957), (602, 10978), (611, 11008), (613, 11014), (620, 11044), (625, 11053), (643, 11086), (695, 11173), (698, 11182),

Gene: StepMih_14 Start: 8677, Stop: 10101, Start Num: 110

Candidate Starts for StepMih_14:

(Start: 74 @8647 has 580 MA's), (Start: 110 @8677 has 2 MA's), (121, 8704), (160, 8809), (202, 8923), (221, 8989), (244, 9046), (278, 9124), (279, 9127), (394, 9268), (432, 9379), (434, 9385), (440, 9406), (507, 9571), (545, 9697), (558, 9751), (559, 9757), (564, 9772), (580, 9808), (604, 9895), (613, 9925), (620, 9955), (645, 10000), (652, 10009),

Gene: Stephig9_10 Start: 7423, Stop: 8853, Start Num: 76

Candidate Starts for Stephig9_10:

(Start: 76 @7423 has 71 MA's), (159, 7573), (177, 7609), (211, 7720), (265, 7855), (344, 7966), (394, 8029), (415, 8074), (432, 8140), (440, 8167), (507, 8332), (537, 8434), (558, 8512), (559, 8518), (580, 8569), (613, 8686), (620, 8716), (652, 8770),

Gene: StewieG_11 Start: 8507, Stop: 9949, Start Num: 109

Candidate Starts for StewieG_11:

(64, 8441), (Start: 109 @8507 has 196 MA's), (183, 8705), (265, 8918), (394, 9113), (399, 9125), (432, 9224), (453, 9296), (509, 9419), (521, 9458), (545, 9536), (547, 9542), (558, 9590), (561, 9602), (564, 9611), (592, 9701), (620, 9791), (635, 9824), (644, 9836),

Gene: Stickynote_15 Start: 9569, Stop: 11131, Start Num: 81

Candidate Starts for Stickynote_15:

(Start: 71 @9554 has 30 MA's), (Start: 81 @9569 has 6 MA's), (118, 9632), (125, 9653), (136, 9695), (161, 9755), (164, 9764), (170, 9773), (210, 9908), (256, 10028), (259, 10034), (283, 10097), (287, 10103), (379, 10217), (388, 10238), (414, 10292), (421, 10316), (441, 10391), (445, 10406), (450, 10421), (493, 10526), (496, 10535), (522, 10643), (561, 10775), (585, 10838), (594, 10883), (610, 10928), (612, 10934), (618, 10961), (621, 10970), (628, 10985), (689, 11069),

Gene: Stink_12 Start: 8543, Stop: 9997, Start Num: 74

Candidate Starts for Stink_12:

(Start: 74 @8543 has 580 MA's), (156, 8693), (160, 8705), (217, 8873), (224, 8903), (244, 8942), (253, 8960), (278, 9020), (385, 9149), (394, 9167), (399, 9179), (432, 9278), (434, 9284), (440, 9305), (441, 9311), (475, 9380), (507, 9485), (525, 9548), (545, 9611), (546, 9614), (558, 9665), (559, 9671), (564, 9686), (575, 9716), (602, 9806), (613, 9842), (620, 9872), (633, 9902), (699, 9983),

Gene: Stinson_9 Start: 3001, Stop: 4554, Start Num: 47

Candidate Starts for Stinson_9:

(26, 2758), (31, 2872), (33, 2899), (Start: 42 @2986 has 24 MA's), (Start: 47 @3001 has 130 MA's), (117, 3100), (121, 3109), (143, 3181), (Start: 149 @3190 has 2 MA's), (158, 3214), (174, 3247), (185, 3289), (210, 3358), (215, 3379), (226, 3421), (269, 3487), (274, 3502), (326, 3598), (339, 3622), (399, 3739), (415, 3772), (426, 3805), (437, 3847), (444, 3877), (482, 3910), (489, 3928), (508, 4006), (512, 4018), (513, 4021), (516, 4033), (517, 4036), (534, 4072), (546, 4120), (563, 4189), (593, 4285), (601,

4306), (609, 4333), (612, 4342), (624, 4378), (652, 4432),

Gene: Strobilo_5 Start: 2088, Stop: 3593, Start Num: 45

Candidate Starts for Strobilo_5:

(Start: 45 @2088 has 26 MA's), (89, 2133), (104, 2154), (121, 2190), (Start: 149 @2271 has 2 MA's), (174, 2328), (178, 2340), (183, 2364), (185, 2370), (206, 2421), (210, 2439), (215, 2460), (224, 2496), (226, 2502), (253, 2526), (269, 2562), (317, 2652), (326, 2673), (341, 2700), (364, 2742), (365, 2748), (376, 2766), (399, 2814), (415, 2847), (430, 2901), (437, 2922), (444, 2952), (482, 2985), (489, 3003), (490, 3009), (498, 3033), (512, 3093), (515, 3105), (517, 3111), (532, 3150), (563, 3270), (582, 3312), (608, 3411), (609, 3414), (612, 3423), (628, 3474), (660, 3519), (696, 3570),

Gene: Strokeseat_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Strokeseat_3:

(Start: 102 @2240 has 236 MA's), (Start: 119 @2273 has 2 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (176, 2420), (177, 2423), (178, 2426), (198, 2495), (201, 2501), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: StrongArm_11 Start: 9382, Stop: 10824, Start Num: 109

Candidate Starts for StrongArm_11:

(64, 9316), (Start: 109 @9382 has 196 MA's), (183, 9580), (265, 9793), (394, 9988), (399, 10000), (432, 10099), (509, 10294), (521, 10333), (545, 10411), (547, 10417), (558, 10465), (561, 10477), (564, 10486), (592, 10576), (620, 10666), (635, 10699), (644, 10711),

Gene: Strosahl_15 Start: 8341, Stop: 9801, Start Num: 74

Candidate Starts for Strosahl_15:

(Start: 74 @8341 has 580 MA's), (121, 8401), (160, 8506), (184, 8572), (248, 8755), (265, 8788), (278, 8821), (426, 9052), (432, 9079), (434, 9085), (440, 9106), (445, 9127), (455, 9157), (479, 9181), (507, 9271), (515, 9301), (545, 9397), (552, 9424), (558, 9451), (563, 9469), (564, 9472), (575, 9505), (580, 9514), (613, 9631), (620, 9661), (651, 9715),

Gene: SuMoo_3 Start: 2376, Stop: 3761, Start Num: 99

Candidate Starts for SuMoo_3:

(Start: 99 @2376 has 43 MA's), (Start: 149 @2496 has 2 MA's), (185, 2595), (215, 2685), (253, 2754), (299, 2838), (430, 3057), (452, 3132), (487, 3192), (527, 3333), (540, 3375), (594, 3558), (598, 3567), (601, 3576), (676, 3729),

Gene: Success_51 Start: 27373, Stop: 28797, Start Num: 88

Candidate Starts for Success_51:

(Start: 88 @27373 has 1 MA's), (146, 27505), (148, 27508), (179, 27586), (183, 27607), (190, 27628), (220, 27721), (258, 27802), (431, 28078), (436, 28093), (447, 28129), (485, 28192), (498, 28225), (507, 28267), (508, 28273), (511, 28282), (515, 28297), (529, 28336), (550, 28414), (558, 28447), (564, 28468), (598, 28570), (620, 28645), (631, 28672), (635, 28678),

Gene: Sue2_3 Start: 2267, Stop: 3634, Start Num: 99

Candidate Starts for Sue2_3:

(Start: 99 @2267 has 43 MA's), (143, 2378), (Start: 149 @2387 has 2 MA's), (185, 2486), (380, 2834), (449, 3023), (507, 3149), (540, 3257), (548, 3281), (588, 3416), (598, 3455), (601, 3464), (612, 3500), (615, 3515), (647, 3575),

Gene: Sujidade_8 Start: 4351, Stop: 5787, Start Num: 102

Candidate Starts for Sujidade_8:

(Start: 96 @4345 has 4 MA's), (Start: 102 @4351 has 236 MA's), (117, 4375), (125, 4399), (Start: 149 @4468 has 2 MA's), (172, 4516), (185, 4567), (253, 4750), (298, 4834), (326, 4876), (419, 5032), (423, 5044), (448, 5137), (483, 5215), (498, 5260), (511, 5317), (578, 5530), (585, 5554), (681, 5773),

Gene: Sukkupi_27 Start: 13681, Stop: 15303, Start Num: 44

Candidate Starts for Sukkupi_27:

(Start: 44 @13681 has 6 MA's), (Start: 71 @13726 has 30 MA's), (89, 13750), (94, 13759), (371, 14365), (397, 14410), (441, 14542), (450, 14572), (486, 14653), (509, 14749), (518, 14779), (522, 14794), (558, 14917), (560, 14926), (575, 14962), (584, 14986), (601, 15052), (607, 15070), (609, 15079), (621, 15124),

Gene: Sulley_9 Start: 3008, Stop: 4561, Start Num: 47

Candidate Starts for Sulley_9:

(17, 2597), (26, 2765), (31, 2879), (33, 2906), (Start: 42 @2993 has 24 MA's), (Start: 47 @3008 has 130 MA's), (117, 3110), (121, 3119), (124, 3128), (Start: 149 @3200 has 2 MA's), (174, 3257), (177, 3266), (185, 3299), (186, 3302), (191, 3317), (210, 3368), (215, 3389), (274, 3509), (317, 3584), (326, 3605), (342, 3635), (399, 3746), (415, 3779), (426, 3812), (430, 3833), (437, 3854), (444, 3884), (482, 3917), (489, 3935), (508, 4013), (512, 4025), (513, 4028), (516, 4040), (517, 4043), (534, 4079), (546, 4127), (558, 4178), (563, 4196), (593, 4292), (601, 4313), (609, 4340), (612, 4349), (624, 4385), (652, 4439),

Gene: Sumter_11 Start: 8250, Stop: 9692, Start Num: 109

Candidate Starts for Sumter_11:

(64, 8184), (Start: 109 @8250 has 196 MA's), (183, 8448), (265, 8661), (394, 8856), (395, 8859), (399, 8868), (432, 8967), (509, 9162), (521, 9201), (545, 9279), (547, 9285), (558, 9333), (561, 9345), (564, 9354), (592, 9444), (620, 9534), (635, 9567), (644, 9579),

Gene: Sunflower1121_7 Start: 2861, Stop: 4411, Start Num: 47

Candidate Starts for Sunflower1121_7:

(31, 2729), (33, 2756), (Start: 42 @2846 has 24 MA's), (Start: 47 @2861 has 130 MA's), (Start: 71 @2891 has 30 MA's), (121, 2969), (Start: 149 @3050 has 2 MA's), (158, 3074), (177, 3116), (210, 3218), (215, 3239), (220, 3254), (226, 3281), (274, 3359), (292, 3398), (326, 3455), (364, 3524), (376, 3548), (394, 3584), (399, 3596), (415, 3629), (426, 3662), (430, 3683), (437, 3704), (444, 3734), (482, 3767), (489, 3785), (512, 3875), (513, 3878), (517, 3893), (534, 3929), (536, 3935), (546, 3977), (558, 4028), (563, 4046), (592, 4139), (593, 4142), (601, 4163), (608, 4187), (609, 4190), (612, 4199),

Gene: SunsetPointe_7 Start: 4080, Stop: 5522, Start Num: 102

Candidate Starts for SunsetPointe_7:

(Start: 93 @4071 has 3 MA's), (Start: 96 @4074 has 4 MA's), (Start: 102 @4080 has 236 MA's), (Start: 149 @4197 has 2 MA's), (172, 4245), (298, 4563), (326, 4605), (341, 4632), (369, 4665), (419, 4758), (423, 4770), (448, 4863), (483, 4941), (498, 4986), (511, 5043), (518, 5067), (585, 5280), (681, 5508),

Gene: Sunshine924_11 Start: 8233, Stop: 9675, Start Num: 109

Candidate Starts for Sunshine924_11:

(64, 8167), (Start: 109 @8233 has 196 MA's), (183, 8431), (265, 8644), (394, 8839), (432, 8950), (453, 9022), (509, 9145), (521, 9184), (545, 9262), (547, 9268), (558, 9316), (561, 9328), (564, 9337), (592, 9427), (620, 9517), (635, 9550), (644, 9562),

Gene: SuperAwesome_16 Start: 9274, Stop: 10737, Start Num: 74

Candidate Starts for SuperAwesome_16:

(Start: 74 @9274 has 580 MA's), (94, 9295), (121, 9334), (152, 9421), (157, 9433), (160, 9439), (265, 9721), (408, 9934), (426, 9985), (432, 10012), (434, 10018), (440, 10039), (564, 10405), (575, 10432), (580, 10441), (593, 10501), (613, 10558), (620, 10588), (633, 10618), (653, 10645),

Gene: SuperCallie99_16 Start: 9275, Stop: 10738, Start Num: 74

Candidate Starts for SuperCallie99_16:

(Start: 74 @9275 has 580 MA's), (94, 9296), (121, 9335), (152, 9422), (157, 9434), (160, 9440), (265, 9722), (408, 9935), (426, 9986), (432, 10013), (434, 10019), (440, 10040), (564, 10406), (575, 10433), (580, 10442), (593, 10502), (613, 10559), (620, 10589), (633, 10619), (653, 10646),

Gene: SuperGrey_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for SuperGrey_3:

(Start: 102 @2255 has 236 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (176, 2435), (177, 2438), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: SuperSulley_26 Start: 14757, Stop: 16334, Start Num: 71

Candidate Starts for SuperSulley_26:

(Start: 71 @14757 has 30 MA's), (Start: 74 @14763 has 580 MA's), (87, 14778), (89, 14781), (185, 15033), (210, 15111), (216, 15135), (314, 15336), (348, 15369), (371, 15396), (403, 15456), (446, 15591), (450, 15603), (486, 15684), (509, 15780), (522, 15825), (553, 15924), (558, 15948), (560, 15957), (584, 16017), (599, 16077), (603, 16089), (607, 16101), (609, 16110), (619, 16149),

Gene: Superchunk_12 Start: 7939, Stop: 9396, Start Num: 74

Candidate Starts for Superchunk_12:

(Start: 74 @7939 has 580 MA's), (121, 7999), (156, 8092), (160, 8104), (265, 8386), (426, 8647), (432, 8674), (434, 8680), (440, 8701), (521, 8914), (558, 9046), (563, 9064), (564, 9067), (575, 9094), (580, 9103), (604, 9190), (613, 9220), (620, 9250), (633, 9280), (651, 9304),

Gene: Superstar_9 Start: 4995, Stop: 6473, Start Num: 102

Candidate Starts for Superstar_9:

(Start: 102 @4995 has 236 MA's), (Start: 149 @5112 has 2 MA's), (175, 5172), (185, 5211), (210, 5304), (326, 5517), (341, 5544), (418, 5664), (419, 5670), (423, 5682), (443, 5757), (448, 5775), (452, 5787), (454, 5793), (498, 5940), (511, 5997), (525, 6045), (563, 6177), (585, 6234), (606, 6312), (609, 6324), (622, 6366), (681, 6459),

Gene: SwagPiggett_3 Start: 2241, Stop: 3611, Start Num: 102

Candidate Starts for SwagPiggett_3:

(Start: 102 @2241 has 236 MA's), (Start: 120 @2277 has 8 MA's), (Start: 128 @2301 has 1 MA's), (132, 2310), (134, 2316), (135, 2319), (148, 2358), (177, 2424), (178, 2427), (198, 2496), (210, 2535), (212, 2544), (227, 2592), (265, 2652), (285, 2700), (320, 2745), (380, 2790), (391, 2817), (413, 2862), (421, 2883), (422, 2886), (423, 2889), (428, 2910), (430, 2919), (444, 2970), (445, 2973), (448, 2982), (459, 3012), (467, 3033), (493, 3102), (496, 3111), (506, 3162), (507, 3165), (524, 3225), (526, 3231), (550, 3309), (558, 3342), (561, 3354), (580, 3393), (587, 3417), (642, 3579),

Gene: Swann_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for Swann_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563,

5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: SweetiePie_13 Start: 9170, Stop: 10633, Start Num: 74

Candidate Starts for SweetiePie_13:

(Start: 74 @9170 has 580 MA's), (121, 9230), (160, 9335), (224, 9533), (265, 9617), (278, 9650), (374, 9761), (426, 9878), (432, 9905), (434, 9911), (440, 9932), (441, 9938), (455, 9983), (509, 10106), (558, 10277), (563, 10295), (564, 10298), (575, 10325), (580, 10334), (613, 10451), (620, 10481), (633, 10511),

Gene: SwirlSquare_15 Start: 8071, Stop: 9528, Start Num: 74

Candidate Starts for SwirlSquare_15:

(Start: 74 @8071 has 580 MA's), (121, 8131), (160, 8236), (256, 8500), (265, 8518), (399, 8707), (426, 8779), (432, 8806), (434, 8812), (440, 8833), (521, 9046), (558, 9178), (563, 9196), (564, 9199), (575, 9226), (580, 9235), (604, 9322), (613, 9352), (620, 9382), (633, 9412), (651, 9436),

Gene: Swirley_10 Start: 7909, Stop: 9342, Start Num: 76

Candidate Starts for Swirley_10:

(Start: 76 @7909 has 71 MA's), (168, 8065), (173, 8077), (177, 8092), (179, 8098), (229, 8266), (244, 8293), (278, 8371), (344, 8452), (398, 8524), (399, 8527), (426, 8599), (434, 8632), (440, 8653), (444, 8671), (448, 8683), (479, 8728), (545, 8944), (558, 8998), (563, 9016), (580, 9055), (613, 9172), (620, 9202), (633, 9232), (652, 9256),

Gene: SwissCheese_12 Start: 8695, Stop: 10137, Start Num: 109

Candidate Starts for SwissCheese_12:

(64, 8629), (Start: 109 @8695 has 196 MA's), (183, 8893), (265, 9106), (394, 9301), (399, 9313), (432, 9412), (453, 9484), (509, 9607), (521, 9646), (545, 9724), (547, 9730), (558, 9778), (561, 9790), (564, 9799), (592, 9889), (620, 9979), (635, 10012), (644, 10024),

Gene: Switzer_13 Start: 8618, Stop: 10060, Start Num: 109

Candidate Starts for Switzer_13:

(64, 8552), (Start: 109 @8618 has 196 MA's), (183, 8816), (265, 9029), (394, 9224), (395, 9227), (432, 9335), (509, 9530), (521, 9569), (545, 9647), (547, 9653), (558, 9701), (561, 9713), (564, 9722), (592, 9812), (620, 9902), (635, 9935), (644, 9947),

Gene: Switzerland_15 Start: 8502, Stop: 9962, Start Num: 74

Candidate Starts for Switzerland_15:

(Start: 74 @8502 has 580 MA's), (121, 8562), (160, 8667), (184, 8733), (248, 8916), (265, 8949), (278, 8982), (426, 9213), (432, 9240), (434, 9246), (440, 9267), (445, 9288), (455, 9318), (479, 9342), (507, 9432), (515, 9462), (545, 9558), (552, 9585), (558, 9612), (563, 9630), (564, 9633), (575, 9666), (580, 9675), (613, 9792), (620, 9822), (651, 9876),

Gene: Swole_14 Start: 9164, Stop: 10606, Start Num: 109

Candidate Starts for Swole_14:

(64, 9098), (Start: 109 @9164 has 196 MA's), (183, 9362), (265, 9575), (394, 9770), (399, 9782), (432, 9881), (453, 9953), (509, 10076), (521, 10115), (545, 10193), (547, 10199), (558, 10247), (561, 10259), (564, 10268), (592, 10358), (620, 10448), (635, 10481), (644, 10493),

Gene: SydNat_10 Start: 8016, Stop: 9449, Start Num: 76

Candidate Starts for SydNat_10:

(Start: 76 @8016 has 71 MA's), (156, 8151), (173, 8184), (177, 8199), (179, 8205), (185, 8232), (229, 8373), (244, 8400), (278, 8478), (344, 8559), (394, 8622), (395, 8625), (398, 8631), (399, 8634), (426, 8706), (434, 8739), (440, 8760), (448, 8790), (545, 9051), (558, 9105), (563, 9123), (580, 9162), (613, 9279), (620, 9309), (645, 9354), (652, 9363),

Gene: Syleon_14 Start: 6515, Stop: 8011, Start Num: 53

Candidate Starts for Syleon_14:

(Start: 53 @6515 has 7 MA's), (Start: 81 @6557 has 6 MA's), (Start: 83 @6560 has 5 MA's), (106, 6590), (114, 6608), (121, 6626), (183, 6797), (206, 6857), (210, 6875), (254, 6983), (257, 6992), (265, 7007), (269, 7016), (294, 7058), (380, 7154), (407, 7214), (411, 7220), (435, 7298), (482, 7388), (490, 7409), (524, 7535), (525, 7538), (537, 7574), (548, 7607), (558, 7652), (559, 7658), (576, 7700), (578, 7703), (582, 7712), (585, 7727), (592, 7763), (594, 7772), (596, 7778), (599, 7784), (606, 7805), (608, 7814), (625, 7865), (633, 7880), (636, 7886), (646, 7901),

Gene: Syra333_8 Start: 2966, Stop: 4513, Start Num: 47

Candidate Starts for Syra333_8:

(31, 2834), (33, 2861), (Start: 42 @2951 has 24 MA's), (Start: 47 @2966 has 130 MA's), (Start: 71 @2996 has 30 MA's), (121, 3071), (Start: 149 @3152 has 2 MA's), (158, 3176), (177, 3218), (210, 3320), (215, 3341), (220, 3356), (226, 3383), (239, 3404), (274, 3461), (292, 3500), (326, 3557), (364, 3626), (376, 3650), (394, 3686), (399, 3698), (415, 3731), (426, 3764), (430, 3785), (437, 3806), (444, 3836), (482, 3869), (489, 3887), (512, 3977), (513, 3980), (517, 3995), (534, 4031), (536, 4037), (537, 4052), (546, 4079), (558, 4130), (563, 4148), (592, 4241), (593, 4244), (601, 4265), (608, 4289), (609, 4292), (612, 4301),

Gene: TBond007_8 Start: 2673, Stop: 4238, Start Num: 47

Candidate Starts for TBond007_8:

(36, 2640), (Start: 47 @2673 has 130 MA's), (117, 2778), (121, 2787), (126, 2802), (158, 2892), (174, 2925), (178, 2937), (185, 2967), (210, 3036), (215, 3057), (220, 3072), (226, 3099), (265, 3150), (269, 3159), (274, 3174), (292, 3213), (317, 3249), (322, 3264), (326, 3270), (332, 3279), (339, 3294), (365, 3345), (399, 3411), (415, 3444), (418, 3450), (426, 3477), (430, 3498), (437, 3519), (482, 3582), (489, 3600), (508, 3678), (512, 3690), (513, 3693), (517, 3708), (544, 3789), (546, 3795), (557, 3843), (563, 3864), (601, 3981), (609, 4008), (612, 4017), (624, 4053),

Gene: TClif_8 Start: 2901, Stop: 4448, Start Num: 47

Candidate Starts for TClif_8:

(Start: 42 @2886 has 24 MA's), (Start: 47 @2901 has 130 MA's), (104, 2976), (121, 3012), (Start: 149 @3093 has 2 MA's), (158, 3117), (174, 3150), (177, 3159), (210, 3261), (215, 3282), (220, 3297), (224, 3318), (226, 3324), (254, 3354), (274, 3402), (317, 3477), (326, 3498), (364, 3567), (376, 3591), (394, 3627), (399, 3639), (415, 3672), (418, 3678), (423, 3696), (430, 3726), (437, 3747), (444, 3777), (482, 3810), (489, 3828), (508, 3906), (512, 3918), (513, 3921), (517, 3936), (534, 3972), (536, 3978), (558, 4071), (563, 4089), (592, 4182), (601, 4206), (609, 4233), (612, 4242), (658, 4338),

Gene: TDanisky_3 Start: 2256, Stop: 3626, Start Num: 102

Candidate Starts for TDanisky_3:

(Start: 102 @2256 has 236 MA's), (Start: 120 @2292 has 8 MA's), (Start: 128 @2316 has 1 MA's), (132, 2325), (134, 2331), (135, 2334), (148, 2373), (177, 2439), (178, 2442), (198, 2511), (210, 2550), (212, 2559), (227, 2607), (265, 2667), (285, 2715), (320, 2760), (380, 2805), (391, 2832), (413, 2877), (421, 2898), (422, 2901), (423, 2904), (428, 2925), (430, 2934), (444, 2985), (445, 2988), (448, 2997), (459, 3027), (467, 3048), (493, 3117), (496, 3126), (506, 3177), (507, 3180), (522, 3234), (524, 3240), (525, 3243), (526, 3246), (545, 3303), (558, 3357), (561, 3369), (576, 3402), (580, 3408), (587, 3432), (631, 3576), (642, 3594),

Gene: TM4_5 Start: 2101, Stop: 3606, Start Num: 45

Candidate Starts for TM4_5:

(Start: 45 @2101 has 26 MA's), (Start: 53 @2119 has 7 MA's), (89, 2146), (104, 2167), (116, 2191), (121, 2203), (Start: 149 @2284 has 2 MA's), (174, 2341), (178, 2353), (183, 2377), (185, 2383), (206, 2434), (210, 2452), (215, 2473), (224, 2509), (226, 2515), (253, 2539), (269, 2575), (317, 2665), (326,

2686), (341, 2713), (364, 2755), (365, 2761), (376, 2779), (399, 2827), (415, 2860), (430, 2914), (437, 2935), (444, 2965), (482, 2998), (489, 3016), (490, 3022), (498, 3046), (512, 3106), (515, 3118), (517, 3124), (532, 3163), (563, 3283), (582, 3325), (608, 3424), (609, 3427), (612, 3436), (628, 3487), (660, 3532), (696, 3583),

Gene: TNguyen7_12 Start: 8163, Stop: 9629, Start Num: 76

Candidate Starts for TNguyen7_12:

(Start: 76 @8163 has 71 MA's), (160, 8334), (189, 8418), (211, 8481), (221, 8514), (224, 8532), (244, 8571), (256, 8598), (277, 8646), (390, 8787), (395, 8796), (426, 8877), (431, 8901), (432, 8904), (434, 8910), (439, 8928), (440, 8931), (441, 8937), (507, 9108), (545, 9234), (546, 9237), (558, 9288), (559, 9294), (564, 9309), (575, 9339), (613, 9465), (620, 9495), (635, 9525),

Gene: TWAMP_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for TWAMP_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Tachez_9 Start: 2992, Stop: 4545, Start Num: 47

Candidate Starts for Tachez_9:

(33, 2890), (Start: 42 @2977 has 24 MA's), (Start: 47 @2992 has 130 MA's), (117, 3094), (121, 3103), (143, 3175), (Start: 149 @3184 has 2 MA's), (158, 3208), (174, 3241), (177, 3250), (210, 3352), (215, 3373), (225, 3412), (226, 3415), (269, 3478), (274, 3493), (283, 3517), (317, 3568), (326, 3589), (357, 3643), (415, 3763), (426, 3796), (430, 3817), (437, 3838), (444, 3868), (482, 3901), (489, 3919), (504, 3979), (508, 3997), (512, 4009), (513, 4012), (516, 4024), (517, 4027), (534, 4063), (546, 4111), (558, 4162), (563, 4180), (593, 4276), (601, 4297), (609, 4324), (612, 4333), (624, 4369),

Gene: TagePhighter_8 Start: 4055, Stop: 5491, Start Num: 102

Candidate Starts for TagePhighter_8:

(Start: 96 @4049 has 4 MA's), (Start: 102 @4055 has 236 MA's), (117, 4079), (125, 4103), (Start: 149 @4172 has 2 MA's), (172, 4220), (175, 4232), (185, 4271), (228, 4424), (298, 4538), (326, 4580), (369, 4640), (373, 4646), (419, 4736), (423, 4748), (443, 4823), (448, 4841), (483, 4919), (498, 4964), (511, 5021), (578, 5234), (585, 5258), (622, 5390), (661, 5456), (681, 5477),

Gene: TaiwanKao_9 Start: 2998, Stop: 4551, Start Num: 47

Candidate Starts for TaiwanKao_9:

(26, 2755), (33, 2896), (Start: 42 @2983 has 24 MA's), (Start: 47 @2998 has 130 MA's), (117, 3097), (121, 3106), (Start: 149 @3187 has 2 MA's), (158, 3211), (174, 3244), (185, 3286), (210, 3355), (215, 3376), (225, 3415), (269, 3484), (274, 3499), (317, 3574), (326, 3595), (357, 3649), (415, 3769), (426, 3802), (430, 3823), (437, 3844), (444, 3874), (482, 3907), (489, 3925), (508, 4003), (512, 4015), (513, 4018), (516, 4030), (517, 4033), (534, 4069), (546, 4117), (563, 4186), (593, 4282), (601, 4303), (609, 4330), (612, 4339), (624, 4375), (652, 4429),

Gene: Taj_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Taj_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Takoda_9 Start: 4827, Stop: 6257, Start Num: 74

Candidate Starts for Takoda_9:

(Start: 74 @4827 has 580 MA's), (173, 5004), (179, 5025), (185, 5052), (189, 5067), (248, 5229), (256, 5244), (344, 5373), (398, 5445), (428, 5532), (430, 5541), (432, 5547), (445, 5595), (487, 5664), (490, 5673), (509, 5748), (512, 5757), (552, 5892), (563, 5937), (564, 5940), (593, 6033), (613, 6090), (620, 6120), (633, 6147), (645, 6159), (649, 6165),

Gene: Tallboi_3 Start: 2284, Stop: 3660, Start Num: 99

Candidate Starts for Tallboi_3:

(Start: 99 @2284 has 43 MA's), (Start: 149 @2404 has 2 MA's), (185, 2503), (228, 2638), (310, 2767), (449, 3040), (515, 3199), (534, 3247), (540, 3277), (548, 3301), (598, 3475), (647, 3595),

Gene: Taquarus_12 Start: 8581, Stop: 10032, Start Num: 74

Candidate Starts for Taquarus_12:

(Start: 74 @8581 has 580 MA's), (156, 8728), (160, 8740), (217, 8908), (224, 8938), (244, 8977), (253, 8995), (278, 9055), (385, 9184), (394, 9202), (399, 9214), (432, 9313), (434, 9319), (440, 9340), (441, 9346), (475, 9415), (497, 9475), (507, 9520), (545, 9646), (546, 9649), (558, 9700), (564, 9721), (575, 9751), (602, 9841), (613, 9877), (620, 9907), (633, 9937),

Gene: Taquito_8 Start: 3533, Stop: 5119, Start Num: 45

Candidate Starts for Taquito_8:

(Start: 42 @3518 has 24 MA's), (Start: 45 @3533 has 26 MA's), (56, 3557), (104, 3623), (124, 3668), (174, 3797), (177, 3806), (178, 3809), (185, 3839), (210, 3908), (215, 3929), (224, 3965), (226, 3971), (253, 3995), (269, 4031), (274, 4046), (292, 4085), (370, 4220), (376, 4229), (385, 4247), (398, 4274), (399, 4277), (415, 4310), (426, 4343), (430, 4364), (437, 4385), (482, 4448), (490, 4472), (498, 4496), (508, 4544), (512, 4556), (515, 4568), (517, 4574), (532, 4613), (561, 4727), (563, 4733), (601, 4904), (609, 4931), (612, 4940), (635, 5003), (642, 5015),

Gene: Target_14 Start: 9457, Stop: 10923, Start Num: 76

Candidate Starts for Target_14:

(Start: 76 @9457 has 71 MA's), (160, 9607), (229, 9847), (256, 9901), (270, 9931), (278, 9952), (344, 10033), (394, 10096), (432, 10207), (434, 10213), (440, 10234), (479, 10309), (487, 10324), (525, 10465), (558, 10582), (563, 10600), (580, 10639), (613, 10756), (620, 10786), (627, 10798),

Gene: TarsusIV_13 Start: 9241, Stop: 10716, Start Num: 74

Candidate Starts for TarsusIV_13:

(Start: 74 @9241 has 580 MA's), (121, 9301), (160, 9406), (265, 9688), (278, 9721), (426, 9949), (432, 9976), (434, 9982), (440, 10003), (441, 10009), (455, 10054), (521, 10216), (558, 10348), (563, 10366), (564, 10369), (575, 10396), (580, 10405), (613, 10522), (620, 10552), (633, 10582), (651, 10606), (703, 10693),

Gene: Tarynearal_9 Start: 7936, Stop: 9369, Start Num: 76

Candidate Starts for Tarynearal_9:

(Start: 76 @7936 has 71 MA's), (168, 8092), (173, 8104), (177, 8119), (179, 8125), (229, 8293), (244, 8320), (278, 8398), (344, 8479), (398, 8551), (399, 8554), (426, 8626), (434, 8659), (440, 8680), (444, 8698), (448, 8710), (479, 8755), (545, 8971), (558, 9025), (563, 9043), (580, 9082), (613, 9199), (620, 9229), (633, 9259), (652, 9283),

Gene: Tasp14_13 Start: 8935, Stop: 10377, Start Num: 109

Candidate Starts for Tasp14_13:

(64, 8869), (Start: 109 @8935 has 196 MA's), (183, 9133), (265, 9346), (394, 9541), (399, 9553), (432, 9652), (509, 9847), (521, 9886), (545, 9964), (547, 9970), (558, 10018), (561, 10030), (564, 10039), (592, 10129), (620, 10219), (635, 10252), (644, 10264),

Gene: Taurus_14 Start: 8652, Stop: 10106, Start Num: 74

Candidate Starts for Taurus_14:

(Start: 74 @8652 has 580 MA's), (Start: 110 @8682 has 2 MA's), (121, 8709), (160, 8814), (202, 8928), (221, 8994), (244, 9051), (278, 9129), (279, 9132), (394, 9273), (432, 9384), (434, 9390), (440, 9411), (507, 9576), (545, 9702), (558, 9756), (559, 9762), (564, 9777), (580, 9813), (604, 9900), (613, 9930), (620, 9960), (645, 10005), (652, 10014),

Gene: Tbone_3 Start: 2269, Stop: 3645, Start Num: 99

Candidate Starts for Tbone_3:

(Start: 99 @2269 has 43 MA's), (Start: 149 @2389 has 2 MA's), (185, 2488), (198, 2527), (310, 2752), (383, 2845), (449, 3025), (518, 3193), (534, 3232), (540, 3262), (548, 3286), (598, 3460), (601, 3469), (647, 3580),

Gene: Tefunt_7 Start: 3857, Stop: 5332, Start Num: 102

Candidate Starts for Tefunt_7:

(Start: 102 @3857 has 236 MA's), (Start: 149 @3974 has 2 MA's), (185, 4073), (210, 4166), (369, 4439), (423, 4544), (443, 4619), (448, 4637), (452, 4649), (454, 4655), (498, 4802), (509, 4853), (511, 4859), (525, 4907), (563, 5039), (585, 5096), (609, 5186), (681, 5318),

Gene: Teodoridan_10 Start: 8066, Stop: 9508, Start Num: 109

Candidate Starts for Teodoridan_10:

(64, 8000), (Start: 109 @8066 has 196 MA's), (183, 8264), (265, 8477), (394, 8672), (399, 8684), (432, 8783), (453, 8855), (509, 8978), (521, 9017), (545, 9095), (547, 9101), (558, 9149), (561, 9161), (564, 9170), (592, 9260), (620, 9350), (635, 9383), (644, 9395),

Gene: Texage_12 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Texage_12:

(Start: 74 @8738 has 580 MA's), (112, 8777), (160, 8903), (189, 8987), (211, 9050), (221, 9083), (224, 9101), (244, 9140), (256, 9167), (278, 9218), (385, 9344), (390, 9356), (398, 9371), (399, 9374), (426, 9446), (432, 9473), (434, 9479), (440, 9500), (441, 9506), (448, 9530), (475, 9572), (507, 9677), (545, 9803), (546, 9806), (558, 9857), (559, 9863), (564, 9878), (575, 9908), (613, 10034), (620, 10064), (635, 10094),

Gene: TforTroy_3 Start: 2278, Stop: 3813, Start Num: 97

Candidate Starts for TforTroy_3:

(Start: 97 @2278 has 14 MA's), (Start: 149 @2398 has 2 MA's), (185, 2497), (310, 2761), (449, 3031), (515, 3190), (534, 3238), (540, 3268), (548, 3292), (598, 3466), (612, 3511), (641, 3577), (693, 3676), (701, 3700),

Gene: Thanksgivukkah_12 Start: 8583, Stop: 10034, Start Num: 74

Candidate Starts for Thanksgivukkah_12:

(Start: 74 @8583 has 580 MA's), (156, 8730), (160, 8742), (217, 8910), (224, 8940), (244, 8979), (253, 8997), (278, 9057), (385, 9186), (394, 9204), (399, 9216), (432, 9315), (434, 9321), (440, 9342), (441, 9348), (475, 9417), (497, 9477), (507, 9522), (545, 9648), (546, 9651), (558, 9702), (564, 9723), (575, 9753), (602, 9843), (613, 9879), (620, 9909), (633, 9939),

Gene: Theia_9 Start: 7875, Stop: 9308, Start Num: 76

Candidate Starts for Theia_9:

(Start: 76 @7875 has 71 MA's), (156, 8010), (173, 8043), (177, 8058), (179, 8064), (229, 8232), (244, 8259), (278, 8337), (344, 8418), (398, 8490), (399, 8493), (426, 8565), (434, 8598), (440, 8619), (448, 8649), (453, 8664), (479, 8694), (545, 8910), (558, 8964), (563, 8982), (580, 9021), (613, 9138), (620, 9168), (633, 9198), (652, 9222),

Gene: TheloniousMonk_14 Start: 9678, Stop: 11120, Start Num: 109

Candidate Starts for TheloniousMonk_14:

(64, 9612), (Start: 109 @9678 has 196 MA's), (183, 9876), (265, 10089), (394, 10284), (399, 10296), (432, 10395), (453, 10467), (509, 10590), (521, 10629), (545, 10707), (547, 10713), (558, 10761), (561, 10773), (564, 10782), (592, 10872), (620, 10962), (635, 10995), (644, 11007),

Gene: Thestral_8 Start: 3928, Stop: 5409, Start Num: 102

Candidate Starts for Thestral_8:

(Start: 102 @3928 has 236 MA's), (Start: 149 @4045 has 2 MA's), (172, 4093), (175, 4105), (185, 4144), (210, 4237), (215, 4258), (326, 4450), (341, 4477), (423, 4615), (443, 4690), (448, 4708), (454, 4726), (457, 4735), (491, 4852), (498, 4873), (511, 4930), (525, 4978), (563, 5110), (585, 5167), (609, 5257), (612, 5266), (681, 5395),

Gene: Thor_12 Start: 8518, Stop: 9960, Start Num: 109

Candidate Starts for Thor_12:

(64, 8452), (Start: 109 @8518 has 196 MA's), (183, 8716), (265, 8929), (394, 9124), (399, 9136), (432, 9235), (509, 9430), (521, 9469), (545, 9547), (547, 9553), (558, 9601), (561, 9613), (564, 9622), (580, 9655), (592, 9712), (620, 9802), (635, 9835), (644, 9847),

Gene: Thyatira_7 Start: 2766, Stop: 4301, Start Num: 47

Candidate Starts for Thyatira_7:

(Start: 47 @2766 has 130 MA's), (104, 2838), (121, 2874), (124, 2883), (136, 2928), (174, 3012), (178, 3024), (185, 3054), (191, 3072), (210, 3123), (220, 3159), (226, 3186), (265, 3237), (267, 3240), (269, 3246), (274, 3261), (275, 3264), (317, 3336), (326, 3357), (342, 3387), (365, 3432), (394, 3486), (415, 3531), (426, 3564), (435, 3600), (436, 3603), (437, 3606), (482, 3669), (489, 3687), (490, 3693), (508, 3765), (512, 3777), (513, 3780), (517, 3795), (536, 3840), (537, 3855), (544, 3876), (557, 3930), (558, 3933), (563, 3951), (568, 3966), (590, 4032), (593, 4047), (601, 4068), (607, 4086), (612, 4104), (624, 4140), (674, 4227),

Gene: Tian_3 Start: 2278, Stop: 3657, Start Num: 99

Candidate Starts for Tian_3:

(1, 1264), (2, 1399), (6, 1504), (10, 1522), (19, 1837), (29, 1978), (Start: 99 @2278 has 43 MA's), (132, 2350), (Start: 149 @2398 has 2 MA's), (185, 2497), (310, 2761), (383, 2854), (449, 3034), (515, 3190), (534, 3238), (540, 3268), (548, 3292), (598, 3466), (647, 3586),

Gene: Tierra_8 Start: 2956, Stop: 4503, Start Num: 47

Candidate Starts for Tierra_8:

(31, 2824), (33, 2851), (Start: 42 @2941 has 24 MA's), (Start: 47 @2956 has 130 MA's), (121, 3064), (Start: 149 @3145 has 2 MA's), (158, 3169), (177, 3211), (185, 3244), (210, 3313), (215, 3334), (220, 3349), (226, 3376), (326, 3550), (351, 3595), (376, 3643), (399, 3691), (415, 3724), (426, 3757), (430, 3778), (437, 3799), (444, 3829), (482, 3862), (489, 3880), (512, 3970), (517, 3988), (534, 4024), (536, 4030), (546, 4072), (558, 4123), (563, 4141), (590, 4222), (592, 4234), (593, 4237), (601, 4258), (608, 4282), (609, 4285), (612, 4294),

Gene: Tiff81_4 Start: 2263, Stop: 3600, Start Num: 108

Candidate Starts for Tiff81_4:

(39, 2143), (41, 2146), (50, 2185), (52, 2188), (60, 2200), (85, 2236), (Start: 93 @2251 has 3 MA's), (Start: 108 @2263 has 17 MA's), (125, 2305), (127, 2311), (150, 2374), (156, 2386), (254, 2644), (278, 2701), (311, 2749), (326, 2770), (390, 2845), (404, 2872), (430, 2953), (434, 2965), (435, 2968), (441, 2992), (454, 3034), (509, 3160), (525, 3214), (545, 3277), (557, 3328), (560, 3340), (576, 3379), (593, 3445), (620, 3526), (622, 3529), (627, 3535), (657, 3586),

Gene: Tiffany_14 Start: 8548, Stop: 10002, Start Num: 74

Candidate Starts for Tiffany_14:

(Start: 74 @8548 has 580 MA's), (Start: 110 @8578 has 2 MA's), (121, 8605), (160, 8710), (202, 8824), (221, 8890), (244, 8947), (278, 9025), (279, 9028), (394, 9169), (432, 9280), (434, 9286), (440, 9307), (507, 9472), (545, 9598), (558, 9652), (559, 9658), (564, 9673), (580, 9709), (604, 9796), (613, 9826), (620, 9856), (645, 9901), (652, 9910),

Gene: Tiger_10 Start: 7756, Stop: 9189, Start Num: 76

Candidate Starts for Tiger_10:

(Start: 76 @7756 has 71 MA's), (173, 7924), (177, 7939), (179, 7945), (229, 8113), (244, 8140), (278, 8218), (344, 8299), (398, 8371), (399, 8374), (426, 8446), (434, 8479), (440, 8500), (448, 8530), (479, 8575), (545, 8791), (558, 8845), (563, 8863), (580, 8902), (613, 9019), (620, 9049), (633, 9079), (652, 9103),

Gene: Timothy_13 Start: 9784, Stop: 11241, Start Num: 74

Candidate Starts for Timothy_13:

(Start: 74 @9784 has 580 MA's), (116, 9829), (121, 9844), (160, 9949), (265, 10231), (278, 10264), (399, 10420), (426, 10492), (432, 10519), (434, 10525), (440, 10546), (455, 10597), (551, 10861), (558, 10891), (564, 10912), (569, 10927), (575, 10939), (580, 10948), (604, 11035), (613, 11065), (620, 11095), (633, 11125), (679, 11191),

Gene: Timshel_13 Start: 10002, Stop: 11459, Start Num: 74

Candidate Starts for Timshel_13:

(Start: 74 @10002 has 580 MA's), (156, 10152), (160, 10164), (202, 10278), (224, 10362), (235, 10389), (332, 10554), (394, 10623), (399, 10635), (402, 10641), (411, 10659), (426, 10707), (432, 10734), (434, 10740), (440, 10761), (441, 10767), (445, 10782), (448, 10791), (491, 10875), (507, 10938), (525, 11001), (545, 11064), (546, 11067), (558, 11118), (559, 11124), (562, 11133), (563, 11136), (564, 11139), (580, 11175), (602, 11256), (613, 11292), (620, 11322),

Gene: TinaBelcher_7 Start: 3879, Stop: 5354, Start Num: 102

Candidate Starts for TinaBelcher_7:

(Start: 102 @3879 has 236 MA's), (Start: 149 @3996 has 2 MA's), (172, 4044), (175, 4056), (185, 4095), (210, 4188), (215, 4209), (326, 4401), (341, 4428), (423, 4566), (434, 4608), (443, 4641), (448, 4659), (454, 4677), (457, 4686), (498, 4824), (511, 4881), (525, 4929), (563, 5061), (585, 5118), (609, 5208), (612, 5217), (670, 5322), (681, 5340),

Gene: TinaFeyge_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for TinaFeyge_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: TiniBug_9 Start: 2984, Stop: 4546, Start Num: 42

Candidate Starts for TiniBug_9:

(33, 2897), (Start: 42 @2984 has 24 MA's), (Start: 47 @2999 has 130 MA's), (67, 3026), (117, 3095), (121, 3104), (124, 3113), (143, 3176), (Start: 149 @3185 has 2 MA's), (158, 3209), (174, 3242), (185, 3284), (210, 3353), (215, 3374), (224, 3410), (269, 3479), (273, 3491), (317, 3569), (326, 3590), (342, 3620), (357, 3644), (415, 3764), (426, 3797), (430, 3818), (437, 3839), (444, 3869), (482, 3902), (489, 3920), (508, 3998), (512, 4010), (513, 4013), (516, 4025), (517, 4028), (534, 4064), (546, 4112), (558, 4163), (563, 4181), (593, 4277), (601, 4298), (609, 4325), (612, 4334), (652, 4424), (706, 4523),

Gene: TinyTimmy_12 Start: 9836, Stop: 11293, Start Num: 74

Candidate Starts for TinyTimmy_12:

(Start: 74 @9836 has 580 MA's), (116, 9881), (121, 9896), (160, 10001), (265, 10283), (278, 10316), (399, 10472), (426, 10544), (432, 10571), (434, 10577), (440, 10598), (455, 10649), (551, 10913), (558, 10943), (564, 10964), (569, 10979), (575, 10991), (580, 11000), (604, 11087), (613, 11117), (620, 11147), (633, 11177), (679, 11243),

Gene: Tinybot_11 Start: 8558, Stop: 10009, Start Num: 74

Candidate Starts for Tinybot_11:

(Start: 74 @8558 has 580 MA's), (156, 8705), (160, 8717), (217, 8885), (224, 8915), (244, 8954), (253, 8972), (278, 9032), (385, 9161), (394, 9179), (432, 9290), (434, 9296), (440, 9317), (441, 9323), (475, 9392), (497, 9452), (507, 9497), (545, 9623), (546, 9626), (558, 9677), (559, 9683), (564, 9698), (575, 9728), (602, 9818), (613, 9854), (615, 9866), (620, 9884), (633, 9914),

Gene: TipsytheTRex_12 Start: 8294, Stop: 9751, Start Num: 74

Candidate Starts for TipsytheTRex_12:

(Start: 74 @8294 has 580 MA's), (94, 8315), (121, 8354), (160, 8459), (265, 8741), (278, 8774), (330, 8846), (399, 8930), (426, 9002), (432, 9029), (434, 9035), (440, 9056), (558, 9401), (564, 9422), (575, 9449), (580, 9458), (613, 9575), (620, 9605), (633, 9635), (651, 9659),

Gene: Tiri_9 Start: 3037, Stop: 4590, Start Num: 47

Candidate Starts for Tiri_9:

(33, 2935), (Start: 42 @3022 has 24 MA's), (Start: 47 @3037 has 130 MA's), (117, 3136), (121, 3145), (143, 3217), (Start: 149 @3226 has 2 MA's), (158, 3250), (174, 3283), (177, 3292), (185, 3325), (210, 3394), (215, 3415), (226, 3457), (269, 3523), (274, 3538), (317, 3613), (326, 3634), (357, 3688), (415, 3808), (426, 3841), (430, 3862), (437, 3883), (444, 3913), (482, 3946), (489, 3964), (504, 4024), (508, 4042), (512, 4054), (513, 4057), (516, 4069), (517, 4072), (534, 4108), (546, 4156), (558, 4207), (563, 4225), (593, 4321), (601, 4342), (609, 4369), (612, 4378), (624, 4414),

Gene: TiroTheta9_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for TiroTheta9_12:

(Start: 74 @8578 has 580 MA's), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Toaka_12 Start: 8270, Stop: 9754, Start Num: 74

Candidate Starts for Toaka_12:

(Start: 74 @8270 has 580 MA's), (121, 8330), (152, 8417), (160, 8435), (229, 8645), (265, 8717), (278, 8750), (291, 8774), (394, 8894), (411, 8930), (415, 8939), (426, 8978), (432, 9005), (434, 9011), (440, 9032), (455, 9083), (487, 9122), (558, 9380), (563, 9398), (575, 9428), (580, 9437), (604, 9524), (611, 9548), (613, 9554), (620, 9584), (645, 9629), (651, 9638),

Gene: Todacoro_13 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Todacoro_13:

(Start: 74 @8738 has 580 MA's), (112, 8777), (160, 8903), (189, 8987), (211, 9050), (221, 9083), (224, 9101), (244, 9140), (256, 9167), (278, 9218), (385, 9344), (390, 9356), (398, 9371), (399, 9374), (426, 9446), (432, 9473), (434, 9479), (440, 9500), (441, 9506), (448, 9530), (475, 9572), (507, 9677), (545, 9803), (546, 9806), (558, 9857), (559, 9863), (564, 9878), (575, 9908), (613, 10034), (620, 10064), (635, 10094),

Gene: Toma_7 Start: 4056, Stop: 5492, Start Num: 102

Candidate Starts for Toma_7:

(Start: 96 @4050 has 4 MA's), (Start: 102 @4056 has 236 MA's), (117, 4080), (125, 4104), (Start: 149 @4173 has 2 MA's), (172, 4221), (185, 4272), (253, 4455), (298, 4539), (326, 4581), (419, 4737), (423, 4749), (448, 4842), (483, 4920), (498, 4965), (511, 5022), (578, 5235), (585, 5259), (681, 5478),

Gene: Tomathan_16 Start: 9159, Stop: 10616, Start Num: 74

Candidate Starts for Tomathan_16:

(Start: 74 @9159 has 580 MA's), (121, 9219), (156, 9312), (160, 9324), (256, 9588), (265, 9606), (374, 9750), (398, 9792), (426, 9867), (432, 9894), (434, 9900), (440, 9921), (441, 9927), (558, 10266), (564, 10287), (575, 10314), (580, 10323), (604, 10410), (613, 10440), (620, 10470), (633, 10500), (651, 10524),

Gene: ToneTone_15 Start: 9197, Stop: 10663, Start Num: 74

Candidate Starts for ToneTone_15:

(Start: 74 @9197 has 580 MA's), (94, 9218), (121, 9257), (152, 9344), (157, 9356), (160, 9362), (265, 9644), (288, 9698), (408, 9857), (426, 9908), (432, 9935), (434, 9941), (440, 9962), (491, 10064), (521, 10175), (564, 10328), (569, 10343), (575, 10355), (580, 10364), (594, 10430), (604, 10451), (613, 10481), (620, 10511), (633, 10541),

Gene: Toniann_31 Start: 10389, Stop: 12005, Start Num: 62

Candidate Starts for Toniann_31:

(Start: 62 @10389 has 16 MA's), (Start: 97 @10440 has 14 MA's), (104, 10449), (Start: 128 @10509 has 1 MA's), (148, 10566), (166, 10602), (181, 10647), (187, 10674), (265, 10878), (276, 10908), (296, 10944), (331, 10989), (345, 10998), (352, 11013), (421, 11151), (422, 11154), (427, 11172), (428, 11178), (440, 11220), (494, 11412), (515, 11499), (524, 11529), (539, 11574), (553, 11622), (555, 11637), (582, 11700), (587, 11724), (588, 11730), (590, 11739), (612, 11808), (629, 11859), (631, 11862), (638, 11874),

Gene: TootsiePop_4 Start: 2202, Stop: 3623, Start Num: 101

Candidate Starts for TootsiePop_4:

(Start: 101 @2202 has 52 MA's), (116, 2229), (121, 2241), (172, 2370), (177, 2388), (179, 2394), (185, 2421), (210, 2490), (220, 2526), (224, 2547), (226, 2553), (253, 2577), (254, 2580), (267, 2607), (285, 2655), (289, 2661), (308, 2688), (319, 2706), (367, 2799), (378, 2817), (394, 2850), (398, 2859), (399, 2862), (420, 2910), (423, 2919), (430, 2949), (436, 2967), (444, 3000), (490, 3057), (512, 3141), (517, 3159), (525, 3186), (532, 3198), (534, 3201), (536, 3207), (537, 3222), (548, 3255), (582, 3360), (601, 3435), (603, 3441), (606, 3450), (608, 3459), (612, 3471), (638, 3534), (666, 3582),

Gene: Tootsieroll_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Tootsieroll_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Topanga_12 Start: 8504, Stop: 9949, Start Num: 74

Candidate Starts for Topanga_12:

(Start: 74 @8504 has 580 MA's), (160, 8663), (211, 8810), (221, 8843), (224, 8861), (226, 8867), (243, 8900), (278, 8981), (282, 8993), (390, 9119), (399, 9137), (426, 9209), (431, 9233), (432, 9236), (434, 9242), (440, 9263), (507, 9443), (545, 9569), (546, 9572), (558, 9623), (559, 9629), (564, 9644), (575, 9674), (580, 9683), (602, 9764), (613, 9800), (620, 9830), (649, 9881), (651, 9884),

Gene: Topgun_12 Start: 8423, Stop: 9865, Start Num: 109

Candidate Starts for Topgun_12:

(64, 8357), (Start: 109 @8423 has 196 MA's), (183, 8621), (265, 8834), (394, 9029), (399, 9041), (432, 9140), (509, 9335), (521, 9374), (545, 9452), (547, 9458), (558, 9506), (561, 9518), (564, 9527), (592, 9617), (620, 9707), (635, 9740), (644, 9752),

Gene: Topper_9 Start: 3055, Stop: 4623, Start Num: 42

Candidate Starts for Topper_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Tote_14 Start: 9164, Stop: 10606, Start Num: 109

Candidate Starts for Tote_14:

(64, 9098), (Start: 109 @9164 has 196 MA's), (183, 9362), (265, 9575), (394, 9770), (399, 9782), (432, 9881), (453, 9953), (509, 10076), (521, 10115), (545, 10193), (547, 10199), (558, 10247), (561, 10259), (564, 10268), (592, 10358), (620, 10448), (635, 10481), (644, 10493),

Gene: Totinger_4 Start: 2200, Stop: 3621, Start Num: 101

Candidate Starts for Totinger_4:

(Start: 101 @2200 has 52 MA's), (116, 2227), (121, 2239), (172, 2368), (177, 2386), (185, 2419), (210, 2488), (220, 2524), (224, 2545), (226, 2551), (253, 2575), (254, 2578), (285, 2653), (289, 2659), (308, 2686), (319, 2704), (339, 2746), (367, 2797), (378, 2815), (394, 2848), (398, 2857), (399, 2860), (420, 2908), (423, 2917), (430, 2947), (436, 2965), (444, 2998), (490, 3055), (512, 3139), (517, 3157), (525, 3184), (532, 3196), (534, 3199), (536, 3205), (537, 3220), (548, 3253), (558, 3298), (582, 3358), (601, 3433), (603, 3439), (606, 3448), (608, 3457), (612, 3469), (638, 3532), (666, 3580),

Gene: TouchMeNot_4 Start: 2870, Stop: 4285, Start Num: 83

Candidate Starts for TouchMeNot_4:

(Start: 83 @2870 has 5 MA's), (129, 2960), (178, 3089), (183, 3113), (210, 3185), (220, 3221), (339, 3458), (376, 3512), (419, 3608), (434, 3662), (445, 3704), (483, 3746), (540, 3944), (598, 4142),

Gene: Tourach_5 Start: 2654, Stop: 4309, Start Num: 74

Candidate Starts for Tourach_5:

(Start: 74 @2654 has 580 MA's), (121, 2717), (147, 2795), (175, 2855), (178, 2864), (183, 2888), (185, 2894), (210, 2966), (220, 3002), (226, 3029), (257, 3080), (318, 3173), (341, 3212), (394, 3275), (399, 3287), (404, 3296), (406, 3302), (407, 3305), (418, 3326), (424, 3347), (426, 3353), (436, 3392), (483, 3488), (492, 3515), (521, 3623), (522, 3629), (551, 3722), (557, 3749), (582, 3812), (586, 3833), (591, 3854), (598, 3881), (601, 3890), (617, 3950), (633, 3980), (638, 3989), (642, 3995), (697, 4097), (705, 4130), (713, 4169), (718, 4274),

Gene: Tracker_25 Start: 13700, Stop: 15289, Start Num: 71

Candidate Starts for Tracker_25:

(Start: 71 @13700 has 30 MA's), (Start: 74 @13706 has 580 MA's), (87, 13721), (91, 13730), (121, 13784), (185, 13976), (210, 14054), (216, 14078), (223, 14108), (348, 14312), (371, 14339), (388, 14366), (422, 14456), (441, 14528), (445, 14543), (450, 14558), (486, 14639), (522, 14780), (553, 14879), (555, 14894), (558, 14903), (560, 14912), (575, 14948), (584, 14972), (607, 15056), (609, 15065), (621, 15110),

Gene: Traft412_14 Start: 9351, Stop: 10787, Start Num: 109

Candidate Starts for Traft412_14:

(64, 9285), (Start: 109 @9351 has 196 MA's), (183, 9549), (265, 9762), (394, 9957), (399, 9969), (432, 10068), (509, 10263), (521, 10302), (545, 10380), (547, 10386), (558, 10434), (561, 10446), (564, 10455), (592, 10545), (620, 10635), (635, 10668), (644, 10680),

Gene: Trax_13 Start: 6263, Stop: 7762, Start Num: 53

Candidate Starts for Trax_13:

(49, 6257), (Start: 53 @6263 has 7 MA's), (87, 6317), (114, 6359), (121, 6377), (127, 6395), (Start: 149 @6458 has 2 MA's), (163, 6488), (165, 6491), (170, 6497), (177, 6521), (183, 6548), (210, 6626), (257, 6743), (265, 6758), (283, 6800), (294, 6809), (341, 6878), (394, 6935), (399, 6947), (425, 7010), (426, 7013), (428, 7025), (448, 7097), (466, 7130), (482, 7139), (490, 7160), (518, 7265), (537, 7325), (548, 7358), (551, 7373), (563, 7421), (567, 7433), (576, 7451), (585, 7478), (594, 7523), (596, 7529), (606, 7556), (608, 7565), (624, 7613), (636, 7637), (684, 7721),

Gene: Treddle_14 Start: 9660, Stop: 11102, Start Num: 109

Candidate Starts for Treddle_14:

(64, 9594), (Start: 109 @9660 has 196 MA's), (183, 9858), (265, 10071), (394, 10266), (399, 10278), (432, 10377), (509, 10572), (521, 10611), (545, 10689), (547, 10695), (558, 10743), (561, 10755), (564, 10764), (592, 10854), (620, 10944), (635, 10977), (644, 10989),

Gene: TreyKay_9 Start: 2995, Stop: 4548, Start Num: 47

Candidate Starts for TreyKay_9:

(33, 2893), (Start: 42 @2980 has 24 MA's), (Start: 47 @2995 has 130 MA's), (117, 3094), (121, 3103), (143, 3175), (Start: 149 @3184 has 2 MA's), (158, 3208), (174, 3241), (185, 3283), (210, 3352), (215, 3373), (225, 3412), (274, 3496), (317, 3571), (326, 3592), (357, 3646), (415, 3766), (426, 3799), (430, 3820), (437, 3841), (444, 3871), (482, 3904), (489, 3922), (508, 4000), (512, 4012), (513, 4015), (516, 4027), (517, 4030), (534, 4066), (546, 4114), (563, 4183), (593, 4279), (601, 4300), (609, 4327), (612, 4336), (624, 4372), (652, 4426),

Gene: TribelTrouble_7 Start: 2727, Stop: 4310, Start Num: 42

Candidate Starts for TribelTrouble_7:

(Start: 42 @2727 has 24 MA's), (Start: 47 @2742 has 130 MA's), (72, 2772), (117, 2835), (121, 2844), (158, 2949), (174, 2982), (178, 2994), (185, 3024), (210, 3093), (215, 3114), (220, 3129), (226, 3156), (269, 3216), (274, 3231), (326, 3327), (376, 3420), (394, 3456), (399, 3468), (415, 3501), (418, 3507), (426, 3534), (430, 3555), (435, 3570), (437, 3576), (489, 3657), (508, 3735), (512, 3747), (513, 3750), (517, 3765), (525, 3792), (544, 3846), (546, 3852), (557, 3900), (563, 3921), (593, 4035), (601, 4056), (609, 4083), (612, 4092), (624, 4128),

Gene: Trike_10 Start: 6461, Stop: 7921, Start Num: 74

Candidate Starts for Trike_10:

(Start: 74 @6461 has 580 MA's), (Start: 110 @6488 has 2 MA's), (134, 6554), (156, 6608), (160, 6620), (185, 6689), (211, 6767), (221, 6800), (224, 6818), (243, 6857), (245, 6860), (278, 6938), (390, 7076), (399, 7094), (432, 7193), (434, 7199), (440, 7220), (441, 7226), (448, 7250), (475, 7301), (507, 7406), (545, 7532), (546, 7535), (558, 7586), (559, 7592), (564, 7607), (575, 7637), (580, 7646), (602, 7727), (613, 7763), (620, 7793), (649, 7844), (651, 7847),

Gene: Tripl3t_13 Start: 9346, Stop: 10788, Start Num: 109

Candidate Starts for Tripl3t_13:

(64, 9280), (Start: 109 @9346 has 196 MA's), (183, 9544), (265, 9757), (394, 9952), (395, 9955), (399, 9964), (432, 10063), (509, 10258), (521, 10297), (545, 10375), (547, 10381), (558, 10429), (561, 10441), (564, 10450), (592, 10540), (620, 10630), (635, 10663), (644, 10675),

Gene: Triste_7 Start: 4056, Stop: 5492, Start Num: 102

Candidate Starts for Triste_7:

(Start: 96 @4050 has 4 MA's), (Start: 102 @4056 has 236 MA's), (117, 4080), (125, 4104), (Start: 149 @4173 has 2 MA's), (172, 4221), (175, 4233), (185, 4272), (228, 4425), (298, 4539), (326, 4581), (341, 4608), (369, 4641), (419, 4737), (423, 4749), (443, 4824), (448, 4842), (483, 4920), (498, 4965), (511, 5022), (578, 5235), (585, 5259), (622, 5391), (661, 5457), (681, 5478),

Gene: Triumph_9 Start: 3896, Stop: 5380, Start Num: 102

Candidate Starts for Triumph_9:

(Start: 102 @3896 has 236 MA's), (Start: 149 @4013 has 2 MA's), (175, 4073), (185, 4112), (210, 4205), (300, 4379), (326, 4418), (369, 4478), (418, 4565), (419, 4571), (423, 4583), (443, 4658), (448, 4676), (452, 4688), (454, 4694), (498, 4841), (509, 4892), (511, 4898), (536, 4967), (585, 5135), (612, 5234), (622, 5267), (647, 5309), (670, 5342), (681, 5366),

Gene: Trixie_16 Start: 10871, Stop: 12331, Start Num: 74

Candidate Starts for Trixie_16:

(Start: 74 @10871 has 580 MA's), (121, 10931), (160, 11036), (265, 11318), (278, 11351), (395, 11498), (426, 11579), (432, 11606), (434, 11612), (440, 11633), (455, 11684), (525, 11861), (551, 11948), (558, 11978), (564, 11999), (575, 12026), (580, 12035), (613, 12152), (620, 12182), (633, 12212), (651, 12236),

Gene: Trooper_13 Start: 9031, Stop: 10506, Start Num: 74

Candidate Starts for Trooper_13:

(Start: 74 @9031 has 580 MA's), (121, 9091), (160, 9196), (265, 9478), (278, 9511), (395, 9658), (426, 9739), (432, 9766), (434, 9772), (440, 9793), (441, 9799), (455, 9844), (521, 10006), (558, 10138), (563, 10156), (564, 10159), (575, 10186), (580, 10195), (613, 10312), (620, 10342), (633, 10372), (703, 10483),

Gene: Trouble_12 Start: 8995, Stop: 10437, Start Num: 109

Candidate Starts for Trouble_12:

(64, 8929), (Start: 109 @8995 has 196 MA's), (183, 9193), (265, 9406), (394, 9601), (399, 9613), (432, 9712), (509, 9907), (521, 9946), (545, 10024), (547, 10030), (558, 10078), (561, 10090), (564, 10099), (592, 10189), (620, 10279), (635, 10312), (644, 10324),

Gene: TroyPia_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for TroyPia_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (615, 9886), (620, 9904), (633, 9934),

Gene: TruffulaTree_9 Start: 3005, Stop: 4576, Start Num: 42

Candidate Starts for TruffulaTree_9:

(33, 2918), (Start: 42 @3005 has 24 MA's), (Start: 47 @3020 has 130 MA's), (116, 3116), (117, 3119), (121, 3128), (143, 3200), (Start: 149 @3209 has 2 MA's), (158, 3233), (174, 3266), (177, 3275), (185, 3308), (210, 3377), (215, 3398), (226, 3440), (269, 3506), (274, 3521), (317, 3596), (326, 3617), (357, 3671), (415, 3791), (426, 3824), (430, 3845), (437, 3866), (444, 3896), (482, 3929), (489, 3947), (504, 4007), (508, 4025), (512, 4037), (513, 4040), (516, 4052), (517, 4055), (534, 4091), (546, 4139), (558, 4190), (563, 4208), (593, 4304), (601, 4325), (609, 4352), (612, 4361), (624, 4397),

Gene: TrvxScott_6 Start: 3880, Stop: 5355, Start Num: 102

Candidate Starts for TrvxScott_6:

(Start: 102 @3880 has 236 MA's), (Start: 149 @3997 has 2 MA's), (172, 4045), (175, 4057), (185, 4096), (210, 4189), (215, 4210), (326, 4402), (341, 4429), (423, 4567), (443, 4642), (448, 4660), (454, 4678), (457, 4687), (498, 4825), (511, 4882), (563, 5062), (585, 5119), (609, 5209), (612, 5218), (670,

5323), (681, 5341),

Gene: TuanPN_7 Start: 4059, Stop: 5495, Start Num: 102

Candidate Starts for TuanPN_7:

(Start: 96 @4053 has 4 MA's), (Start: 102 @4059 has 236 MA's), (117, 4083), (125, 4107), (Start: 149 @4176 has 2 MA's), (172, 4224), (175, 4236), (185, 4275), (228, 4428), (253, 4458), (298, 4542), (326, 4584), (369, 4644), (373, 4650), (419, 4740), (423, 4752), (443, 4827), (448, 4845), (483, 4923), (498, 4968), (511, 5025), (578, 5238), (585, 5262), (622, 5394), (681, 5481),

Gene: Tubs_14 Start: 9893, Stop: 11380, Start Num: 74

Candidate Starts for Tubs_14:

(Start: 74 @9893 has 580 MA's), (121, 9956), (160, 10061), (229, 10271), (248, 10310), (265, 10343), (278, 10376), (394, 10520), (411, 10556), (415, 10565), (426, 10604), (432, 10631), (434, 10637), (440, 10658), (448, 10688), (455, 10709), (479, 10733), (487, 10748), (558, 11003), (563, 11021), (575, 11051), (576, 11054), (580, 11060), (611, 11171), (613, 11177), (620, 11207), (645, 11252), (651, 11261),

Gene: Tuck_4 Start: 3325, Stop: 4707, Start Num: 99

Candidate Starts for Tuck_4:

(Start: 99 @3325 has 43 MA's), (Start: 149 @3445 has 2 MA's), (185, 3544), (310, 3808), (449, 4081), (515, 4240), (534, 4288), (540, 4318), (548, 4342), (598, 4516), (647, 4636),

Gene: Tucker_16 Start: 9284, Stop: 10750, Start Num: 74

Candidate Starts for Tucker_16:

(Start: 74 @9284 has 580 MA's), (94, 9305), (121, 9344), (152, 9431), (157, 9443), (160, 9449), (265, 9731), (288, 9785), (408, 9944), (426, 9995), (432, 10022), (434, 10028), (440, 10049), (521, 10262), (564, 10415), (569, 10430), (575, 10442), (580, 10451), (594, 10517), (604, 10538), (613, 10568), (620, 10598), (633, 10628),

Gene: Turab_3 Start: 2268, Stop: 3641, Start Num: 99

Candidate Starts for Turab_3:

(Start: 99 @2268 has 43 MA's), (Start: 149 @2388 has 2 MA's), (185, 2487), (310, 2751), (449, 3024), (515, 3180), (534, 3228), (540, 3258), (548, 3282), (598, 3456), (647, 3576),

Gene: Turbido_15 Start: 9697, Stop: 11157, Start Num: 74

Candidate Starts for Turbido_15:

(Start: 74 @9697 has 580 MA's), (121, 9757), (160, 9862), (224, 10060), (265, 10144), (278, 10177), (394, 10321), (426, 10405), (432, 10432), (434, 10438), (440, 10459), (441, 10465), (455, 10510), (558, 10804), (563, 10822), (564, 10825), (575, 10852), (580, 10861), (613, 10978), (620, 11008), (633, 11038), (651, 11062),

Gene: Turj99_11 Start: 8439, Stop: 9881, Start Num: 109

Candidate Starts for Turj99_11:

(64, 8373), (Start: 109 @8439 has 196 MA's), (183, 8637), (265, 8850), (394, 9045), (399, 9057), (432, 9156), (453, 9228), (509, 9351), (521, 9390), (545, 9468), (547, 9474), (558, 9522), (561, 9534), (564, 9543), (592, 9633), (620, 9723), (635, 9756), (644, 9768),

Gene: Turuncu_29 Start: 15070, Stop: 16647, Start Num: 71

Candidate Starts for Turuncu_29:

(Start: 71 @15070 has 30 MA's), (185, 15346), (348, 15682), (403, 15769), (441, 15886), (450, 15916), (486, 15997), (522, 16138), (553, 16237), (558, 16261), (560, 16270), (575, 16306), (584, 16330), (607, 16414), (609, 16423), (621, 16468),

Gene: Tutumahutu_3 Start: 2320, Stop: 3696, Start Num: 99

Candidate Starts for Tutumahutu_3:

(Start: 99 @2320 has 43 MA's), (Start: 149 @2440 has 2 MA's), (185, 2539), (198, 2578), (310, 2803), (383, 2896), (449, 3076), (518, 3244), (534, 3283), (540, 3313), (548, 3337), (598, 3511), (601, 3520), (647, 3631),

Gene: Tweety_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Tweety_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (550, 3323), (558, 3356), (561, 3368), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Tweety19_4 Start: 3136, Stop: 4500, Start Num: 98

Candidate Starts for Tweety19_4:

(Start: 98 @3136 has 18 MA's), (135, 3217), (Start: 149 @3256 has 2 MA's), (197, 3391), (224, 3481), (254, 3526), (380, 3703), (383, 3712), (507, 4018), (534, 4096), (540, 4126), (594, 4315), (598, 4324),

Gene: Twister_12 Start: 8403, Stop: 9848, Start Num: 74

Candidate Starts for Twister_12:

(Start: 74 @8403 has 580 MA's), (160, 8562), (183, 8625), (211, 8709), (221, 8742), (224, 8760), (226, 8766), (243, 8799), (278, 8880), (282, 8892), (390, 9018), (399, 9036), (426, 9108), (431, 9132), (432, 9135), (434, 9141), (440, 9162), (507, 9342), (545, 9468), (546, 9471), (558, 9522), (559, 9528), (564, 9543), (575, 9573), (580, 9582), (602, 9663), (613, 9699), (620, 9729), (649, 9780), (651, 9783),

Gene: Twitch_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Twitch_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: TwoPeat_13 Start: 8957, Stop: 10399, Start Num: 109

Candidate Starts for TwoPeat_13:

(64, 8891), (Start: 109 @8957 has 196 MA's), (183, 9155), (265, 9368), (394, 9563), (399, 9575), (432, 9674), (509, 9869), (521, 9908), (545, 9986), (547, 9992), (558, 10040), (561, 10052), (564, 10061), (580, 10094), (592, 10151), (620, 10241), (635, 10274), (644, 10286),

Gene: TyDawg_15 Start: 6260, Stop: 7882, Start Num: 48

Candidate Starts for TyDawg_15:

(Start: 48 @6260 has 21 MA's), (56, 6275), (124, 6383), (130, 6401), (147, 6449), (162, 6482), (169, 6494), (177, 6518), (183, 6545), (185, 6551), (210, 6623), (211, 6629), (220, 6659), (248, 6740), (253, 6746), (254, 6749), (263, 6767), (385, 6923), (394, 6941), (399, 6953), (420, 7001), (436, 7058), (437, 7061), (465, 7130), (495, 7184), (504, 7220), (518, 7271), (520, 7274), (532, 7304), (536, 7313), (552, 7379), (553, 7382), (557, 7403), (558, 7406), (578, 7457), (601, 7544), (646, 7655), (663, 7685), (681, 7721), (684, 7727), (691, 7742), (697, 7754), (714, 7838),

Gene: TygerBlood_12 Start: 8580, Stop: 10031, Start Num: 74

Candidate Starts for TygerBlood_12:

(Start: 74 @8580 has 580 MA's), (156, 8727), (160, 8739), (217, 8907), (224, 8937), (244, 8976), (253, 8994), (278, 9054), (385, 9183), (394, 9201), (432, 9312), (434, 9318), (440, 9339), (441, 9345), (475, 9414), (497, 9474), (507, 9519), (545, 9645), (546, 9648), (558, 9699), (559, 9705), (564, 9720), (575, 9750), (602, 9840), (613, 9876), (615, 9888), (620, 9906), (633, 9936),

Gene: Tyson_5 Start: 2625, Stop: 4298, Start Num: 74

Candidate Starts for Tyson_5:

(Start: 74 @2625 has 580 MA's), (121, 2688), (137, 2742), (147, 2766), (178, 2835), (183, 2859), (210, 2937), (220, 2973), (265, 3066), (267, 3069), (318, 3144), (341, 3183), (394, 3246), (406, 3273), (407, 3276), (418, 3297), (424, 3318), (435, 3360), (436, 3363), (485, 3465), (490, 3480), (492, 3486), (513, 3567), (521, 3594), (522, 3600), (551, 3693), (557, 3720), (559, 3729), (582, 3783), (586, 3804), (591, 3825), (598, 3852), (601, 3861), (617, 3921), (633, 3951), (638, 3960), (697, 4068), (712, 4137), (718, 4263),

Gene: U2_12 Start: 8620, Stop: 10062, Start Num: 109

Candidate Starts for U2_12:

(64, 8554), (Start: 109 @8620 has 196 MA's), (183, 8818), (265, 9031), (394, 9226), (395, 9229), (432, 9337), (509, 9532), (521, 9571), (545, 9649), (547, 9655), (558, 9703), (561, 9715), (564, 9724), (592, 9814), (620, 9904), (635, 9937), (644, 9949),

Gene: UPIE_5 Start: 2626, Stop: 4296, Start Num: 74

Candidate Starts for UPIE_5:

(Start: 74 @2626 has 580 MA's), (121, 2689), (137, 2743), (147, 2767), (178, 2836), (183, 2860), (210, 2938), (220, 2974), (265, 3067), (267, 3070), (318, 3145), (341, 3184), (394, 3247), (406, 3274), (407, 3277), (418, 3298), (424, 3319), (435, 3361), (436, 3364), (485, 3466), (490, 3481), (492, 3487), (513, 3568), (521, 3595), (522, 3601), (551, 3694), (557, 3721), (559, 3730), (582, 3784), (586, 3805), (591, 3826), (598, 3853), (601, 3862), (617, 3922), (633, 3952), (638, 3961), (697, 4069), (718, 4261),

Gene: Ugenie5_11 Start: 9926, Stop: 11413, Start Num: 74

Candidate Starts for Ugenie5_11:

(Start: 74 @9926 has 580 MA's), (121, 9989), (160, 10094), (185, 10163), (229, 10304), (248, 10343), (265, 10376), (278, 10409), (394, 10553), (411, 10589), (415, 10598), (426, 10637), (432, 10664), (434, 10670), (440, 10691), (441, 10697), (455, 10742), (479, 10766), (487, 10781), (558, 11036), (563, 11054), (575, 11084), (576, 11087), (580, 11093), (611, 11204), (613, 11210), (620, 11240), (645, 11285), (651, 11294),

Gene: UhSalsa_9 Start: 4835, Stop: 6280, Start Num: 74

Candidate Starts for UhSalsa_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (248, 5237), (256, 5252), (344, 5381), (394, 5444), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Ulysses_11 Start: 8297, Stop: 9748, Start Num: 74

Candidate Starts for Ulysses_11:

(Start: 74 @8297 has 580 MA's), (156, 8444), (160, 8456), (217, 8624), (224, 8654), (244, 8693), (253, 8711), (278, 8771), (385, 8900), (394, 8918), (432, 9029), (434, 9035), (440, 9056), (441, 9062), (497, 9191), (507, 9236), (545, 9362), (546, 9365), (558, 9416), (564, 9437), (575, 9467), (602, 9557), (613, 9593), (615, 9605), (620, 9623), (633, 9653),

Gene: UncleRicky_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for UncleRicky_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Unicorn_8 Start: 2988, Stop: 4538, Start Num: 47

Candidate Starts for Unicorn_8:

(31, 2856), (33, 2883), (Start: 42 @2973 has 24 MA's), (Start: 47 @2988 has 130 MA's), (121, 3096), (Start: 149 @3177 has 2 MA's), (158, 3201), (177, 3243), (185, 3276), (210, 3345), (215, 3366), (220, 3381), (226, 3408), (274, 3486), (326, 3582), (351, 3627), (376, 3675), (399, 3723), (415, 3756), (426, 3789), (430, 3810), (437, 3831), (444, 3861), (482, 3894), (489, 3912), (512, 4002), (513, 4005), (517, 4020), (534, 4056), (536, 4062), (546, 4104), (558, 4155), (563, 4173), (590, 4254), (592, 4266), (593, 4269), (608, 4314), (609, 4317), (612, 4326),

Gene: UnionJack_10 Start: 7475, Stop: 8908, Start Num: 76

Candidate Starts for UnionJack_10:

(Start: 76 @7475 has 71 MA's), (173, 7643), (177, 7658), (179, 7664), (202, 7736), (229, 7832), (244, 7859), (344, 8018), (395, 8084), (398, 8090), (399, 8093), (415, 8126), (426, 8165), (434, 8198), (440, 8219), (444, 8237), (448, 8249), (545, 8510), (558, 8564), (563, 8582), (580, 8621), (613, 8738), (620, 8768), (633, 8798), (645, 8813), (652, 8822),

Gene: Unstoppable_7 Start: 4081, Stop: 5523, Start Num: 102

Candidate Starts for Unstoppable_7:

(Start: 93 @4072 has 3 MA's), (Start: 96 @4075 has 4 MA's), (Start: 102 @4081 has 236 MA's), (Start: 149 @4198 has 2 MA's), (172, 4246), (298, 4564), (326, 4606), (341, 4633), (369, 4666), (419, 4759), (423, 4771), (448, 4864), (483, 4942), (498, 4987), (511, 5044), (518, 5068), (585, 5281), (681, 5509),

Gene: Updawg_15 Start: 9710, Stop: 11170, Start Num: 74

Candidate Starts for Updawg_15:

(Start: 74 @9710 has 580 MA's), (121, 9770), (156, 9863), (160, 9875), (265, 10157), (278, 10190), (395, 10337), (399, 10346), (426, 10418), (432, 10445), (434, 10451), (440, 10472), (525, 10700), (558, 10817), (564, 10838), (575, 10865), (580, 10874), (613, 10991), (620, 11021), (633, 11051), (651, 11075),

Gene: Urkel_9 Start: 2999, Stop: 4546, Start Num: 47

Candidate Starts for Urkel_9:

(33, 2897), (Start: 42 @2984 has 24 MA's), (Start: 47 @2999 has 130 MA's), (67, 3026), (117, 3095), (121, 3104), (124, 3113), (143, 3176), (Start: 149 @3185 has 2 MA's), (158, 3209), (174, 3242), (185, 3284), (210, 3353), (215, 3374), (224, 3410), (269, 3479), (273, 3491), (317, 3569), (326, 3590), (342, 3620), (357, 3644), (415, 3764), (426, 3797), (430, 3818), (437, 3839), (444, 3869), (482, 3902), (489, 3920), (508, 3998), (512, 4010), (513, 4013), (516, 4025), (517, 4028), (534, 4064), (546, 4112), (558, 4163), (563, 4181), (593, 4277), (601, 4298), (609, 4325), (612, 4334), (652, 4424),

Gene: Urza_7 Start: 4278, Stop: 5753, Start Num: 102

Candidate Starts for Urza_7:

(17, 3741), (24, 3885), (Start: 102 @4278 has 236 MA's), (Start: 115 @4299 has 1 MA's), (Start: 149 @4395 has 2 MA's), (175, 4455), (210, 4587), (215, 4608), (226, 4644), (326, 4806), (353, 4848), (405, 4932), (423, 4971), (436, 5019), (443, 5046), (448, 5064), (456, 5088), (457, 5091), (462, 5109), (469, 5145), (483, 5184), (498, 5229), (511, 5286), (518, 5310), (585, 5523), (609, 5613), (622, 5655),

Gene: UtzChips_3 Start: 2379, Stop: 3746, Start Num: 99

Candidate Starts for UtzChips_3:

(3, 1500), (4, 1521), (12, 1644), (21, 1959), (Start: 99 @2379 has 43 MA's), (Start: 149 @2499 has 2 MA's), (438, 3087), (532, 3348), (536, 3357), (582, 3504), (588, 3534), (609, 3609),

Gene: VA6_13 Start: 9215, Stop: 10675, Start Num: 74

Candidate Starts for VA6_13:

(Start: 74 @9215 has 580 MA's), (121, 9275), (160, 9380), (256, 9644), (265, 9662), (278, 9695), (374, 9806), (432, 9950), (434, 9956), (440, 9977), (441, 9983), (455, 10028), (515, 10172), (544, 10265), (551, 10292), (558, 10322), (563, 10340), (564, 10343), (575, 10370), (580, 10379), (613, 10496), (616, 10511), (620, 10526), (633, 10556), (651, 10580),

Gene: VC3_16 Start: 9161, Stop: 10618, Start Num: 74

Candidate Starts for VC3_16:

(Start: 74 @9161 has 580 MA's), (121, 9221), (160, 9326), (265, 9608), (278, 9641), (393, 9782), (399, 9797), (426, 9869), (432, 9896), (434, 9902), (440, 9923), (441, 9929), (455, 9974), (558, 10268), (563, 10286), (564, 10289), (575, 10316), (580, 10325), (594, 10391), (613, 10442), (620, 10472), (633, 10502), (651, 10526),

Gene: VRedHorse_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for VRedHorse_3:

(Start: 102 @2240 has 236 MA's), (Start: 119 @2273 has 2 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (176, 2420), (177, 2423), (178, 2426), (198, 2495), (201, 2501), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (522, 3218), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (631, 3560), (642, 3578),

Gene: VResidence_3 Start: 2347, Stop: 3720, Start Num: 99

Candidate Starts for VResidence_3:

(Start: 99 @2347 has 43 MA's), (143, 2458), (Start: 149 @2467 has 2 MA's), (185, 2566), (198, 2605), (254, 2737), (449, 3103), (518, 3268), (534, 3307), (540, 3337), (548, 3361), (598, 3535), (647, 3655),

Gene: VWB_3 Start: 2318, Stop: 3622, Start Num: 148

Candidate Starts for VWB_3:

(94, 2189), (148, 2318), (182, 2405), (187, 2429), (215, 2510), (218, 2519), (220, 2525), (224, 2546), (261, 2609), (289, 2672), (292, 2678), (320, 2717), (368, 2798), (386, 2828), (395, 2846), (406, 2870), (428, 2933), (435, 2957), (469, 3041), (476, 3065), (484, 3083), (513, 3170), (515, 3179), (545, 3272), (548, 3281), (557, 3323), (569, 3353), (582, 3380), (587, 3404), (588, 3410), (605, 3467), (614, 3503), (617, 3515), (657, 3590),

Gene: Validus_9 Start: 3003, Stop: 4568, Start Num: 42

Candidate Starts for Validus_9:

(33, 2913), (Start: 42 @3003 has 24 MA's), (Start: 47 @3018 has 130 MA's), (121, 3120), (158, 3225), (174, 3258), (177, 3267), (210, 3369), (215, 3390), (220, 3405), (269, 3495), (274, 3510), (292, 3549), (317, 3585), (339, 3630), (357, 3660), (364, 3675), (365, 3681), (376, 3699), (399, 3747), (415, 3780), (423, 3804), (430, 3834), (435, 3849), (437, 3855), (482, 3918), (489, 3936), (508, 4014), (512, 4026), (513, 4029), (516, 4041), (517, 4044), (534, 4080), (557, 4176), (558, 4179), (563, 4197), (582, 4239), (592, 4290), (601, 4314), (608, 4338), (609, 4341), (612, 4350), (658, 4446), (674, 4473),

Gene: Vanisoa_12 Start: 7984, Stop: 9468, Start Num: 74

Candidate Starts for Vanisoa_12:

(Start: 74 @7984 has 580 MA's), (121, 8044), (152, 8131), (160, 8149), (229, 8359), (265, 8431), (291, 8488), (374, 8575), (394, 8608), (411, 8644), (415, 8653), (426, 8692), (432, 8719), (434, 8725), (440, 8746), (441, 8752), (455, 8797), (487, 8836), (558, 9094), (563, 9112), (575, 9142), (580, 9151), (604, 9238), (611, 9262), (613, 9268), (620, 9298), (645, 9343), (651, 9352),

Gene: Vanseggelen_10 Start: 3797, Stop: 5233, Start Num: 102

Candidate Starts for Vanseggelen_10:

(Start: 102 @3797 has 236 MA's), (Start: 149 @3914 has 2 MA's), (172, 3962), (175, 3974), (215, 4130), (263, 4217), (369, 4385), (373, 4391), (396, 4430), (419, 4478), (423, 4490), (443, 4565), (448, 4583), (483, 4658), (511, 4760), (557, 4919), (558, 4922), (563, 4940), (567, 4952), (585, 4997), (599, 5054), (609, 5087), (622, 5129), (681, 5219),

Gene: Veliki_9 Start: 3070, Stop: 4623, Start Num: 47

Candidate Starts for Veliki_9:

(33, 2968), (Start: 42 @3055 has 24 MA's), (Start: 47 @3070 has 130 MA's), (117, 3169), (121, 3178), (143, 3250), (Start: 149 @3259 has 2 MA's), (158, 3283), (174, 3316), (177, 3325), (185, 3358), (210, 3427), (215, 3448), (226, 3490), (269, 3556), (274, 3571), (317, 3646), (326, 3667), (357, 3721), (415, 3841), (426, 3874), (430, 3895), (437, 3916), (444, 3946), (482, 3979), (489, 3997), (504, 4057), (508, 4075), (512, 4087), (513, 4090), (516, 4102), (517, 4105), (534, 4141), (546, 4189), (558, 4240), (563, 4258), (593, 4354), (601, 4375), (609, 4402), (612, 4411), (624, 4447),

Gene: Velveteen_4 Start: 2199, Stop: 3620, Start Num: 101

Candidate Starts for Velveteen_4:

(Start: 101 @2199 has 52 MA's), (116, 2226), (121, 2238), (172, 2367), (177, 2385), (185, 2418), (210, 2487), (220, 2523), (224, 2544), (226, 2550), (253, 2574), (254, 2577), (285, 2652), (289, 2658), (308, 2685), (319, 2703), (339, 2745), (367, 2796), (378, 2814), (394, 2847), (398, 2856), (399, 2859), (420, 2907), (423, 2916), (430, 2946), (436, 2964), (444, 2997), (490, 3054), (512, 3138), (517, 3156), (525, 3183), (532, 3195), (534, 3198), (536, 3204), (537, 3219), (548, 3252), (582, 3357), (601, 3432), (603, 3438), (606, 3447), (608, 3456), (612, 3468), (638, 3531), (666, 3579),

Gene: Verabelle_8 Start: 4165, Stop: 5598, Start Num: 102

Candidate Starts for Verabelle_8:

(Start: 102 @4165 has 236 MA's), (Start: 149 @4282 has 2 MA's), (172, 4330), (175, 4342), (263, 4585), (369, 4750), (373, 4756), (419, 4843), (423, 4855), (443, 4930), (448, 4948), (483, 5023), (511, 5125), (518, 5149), (557, 5284), (558, 5287), (563, 5305), (567, 5317), (585, 5362), (599, 5419), (609, 5452), (622, 5494), (681, 5584),

Gene: Veracruz_12 Start: 8738, Stop: 10207, Start Num: 74

Candidate Starts for Veracruz_12:

(Start: 74 @8738 has 580 MA's), (112, 8777), (160, 8903), (189, 8987), (211, 9050), (221, 9083), (224, 9101), (244, 9140), (256, 9167), (278, 9218), (385, 9344), (390, 9356), (398, 9371), (399, 9374), (426, 9446), (432, 9473), (434, 9479), (440, 9500), (441, 9506), (448, 9530), (475, 9572), (507, 9677), (545, 9803), (546, 9806), (558, 9857), (559, 9863), (564, 9878), (575, 9908), (613, 10034), (620, 10064), (635, 10094),

Gene: Verse_7 Start: 4246, Stop: 5679, Start Num: 102

Candidate Starts for Verse_7:

(Start: 102 @4246 has 236 MA's), (Start: 149 @4363 has 2 MA's), (172, 4411), (175, 4423), (263, 4666), (319, 4753), (369, 4831), (423, 4936), (443, 5011), (448, 5029), (470, 5068), (483, 5104), (511, 5206), (558, 5368), (563, 5386), (585, 5443), (622, 5575), (639, 5605), (681, 5665),

Gene: Veteran_3 Start: 2256, Stop: 3626, Start Num: 102

Candidate Starts for Veteran_3:

(Start: 102 @2256 has 236 MA's), (Start: 119 @2289 has 2 MA's), (Start: 128 @2316 has 1 MA's), (132, 2325), (134, 2331), (135, 2334), (148, 2373), (176, 2436), (177, 2439), (178, 2442), (198, 2511), (201, 2517), (210, 2550), (212, 2559), (227, 2607), (265, 2667), (285, 2715), (320, 2760), (380, 2805), (391, 2832), (413, 2877), (421, 2898), (422, 2901), (423, 2904), (428, 2925), (430, 2934), (444, 2985), (445, 2988), (448, 2997), (459, 3027), (467, 3048), (493, 3117), (496, 3126), (506, 3177), (507, 3180), (524, 3240), (526, 3246), (550, 3324), (558, 3357), (561, 3369), (580, 3408), (587, 3432), (642, 3594),

Gene: Vetrix_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Vetrix_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (132, 2734), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (485, 3478), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: VieEnRose_7 Start: 4373, Stop: 5827, Start Num: 115

Candidate Starts for VieEnRose_7:

(17, 3815), (24, 3959), (Start: 102 @4352 has 236 MA's), (Start: 115 @4373 has 1 MA's), (Start: 149 @4469 has 2 MA's), (175, 4529), (210, 4661), (215, 4682), (226, 4718), (326, 4880), (353, 4922), (405, 5006), (423, 5045), (436, 5093), (443, 5120), (448, 5138), (456, 5162), (457, 5165), (462, 5183), (469, 5219), (483, 5258), (498, 5303), (511, 5360), (518, 5384), (585, 5597), (609, 5687), (622, 5729),

Gene: Violet_11 Start: 9254, Stop: 10696, Start Num: 109

Candidate Starts for Violet_11:

(64, 9188), (Start: 109 @9254 has 196 MA's), (183, 9452), (265, 9665), (394, 9860), (399, 9872), (432, 9971), (509, 10166), (521, 10205), (545, 10283), (547, 10289), (558, 10337), (561, 10349), (564, 10358), (580, 10391), (592, 10448), (620, 10538), (635, 10571), (644, 10583),

Gene: Vix_14 Start: 8736, Stop: 10190, Start Num: 74

Candidate Starts for Vix_14:

(Start: 74 @8736 has 580 MA's), (Start: 110 @8766 has 2 MA's), (121, 8793), (160, 8898), (202, 9012), (221, 9078), (244, 9135), (278, 9213), (279, 9216), (394, 9357), (432, 9468), (434, 9474), (440, 9495), (507, 9660), (545, 9786), (558, 9840), (559, 9846), (564, 9861), (580, 9897), (604, 9984), (613, 10014), (620, 10044), (645, 10089), (652, 10098),

Gene: VohminGhazi_16 Start: 9284, Stop: 10747, Start Num: 74

Candidate Starts for VohminGhazi_16:

(Start: 74 @9284 has 580 MA's), (94, 9305), (121, 9344), (152, 9431), (157, 9443), (160, 9449), (265, 9731), (408, 9944), (426, 9995), (432, 10022), (434, 10028), (440, 10049), (564, 10415), (575, 10442), (580, 10451), (593, 10511), (613, 10568), (620, 10598), (633, 10628), (653, 10655),

Gene: Volt_37 Start: 12190, Stop: 13596, Start Num: 108

Candidate Starts for Volt_37:

(Start: 108 @12190 has 17 MA's), (126, 12229), (139, 12277), (169, 12337), (210, 12463), (226, 12526), (229, 12532), (265, 12577), (336, 12712), (378, 12781), (418, 12862), (424, 12883), (430, 12910), (482, 12994), (512, 13102), (549, 13225), (556, 13255), (557, 13258), (593, 13366), (594, 13372), (606, 13402), (608, 13411), (609, 13414), (612, 13423), (639, 13495), (645, 13504), (655, 13519),

Gene: Vordorf_5 Start: 2807, Stop: 4282, Start Num: 98

Candidate Starts for Vordorf_5:

(Start: 98 @2807 has 18 MA's), (143, 2909), (155, 2930), (175, 2978), (179, 2990), (182, 3002), (183, 3011), (210, 3086), (219, 3119), (220, 3122), (221, 3125), (226, 3149), (237, 3170), (252, 3188), (280, 3254), (282, 3260), (333, 3344), (335, 3347), (420, 3509), (426, 3527), (438, 3572), (444, 3599), (452, 3623), (463, 3653), (475, 3701), (492, 3749), (500, 3773), (533, 3884), (557, 3983), (571, 4022), (608, 4133), (618, 4172), (638, 4214), (640, 4217),

Gene: VroomVroom_3 Start: 2305, Stop: 3672, Start Num: 97

Candidate Starts for VroomVroom_3:

(Start: 97 @2305 has 14 MA's), (143, 2419), (Start: 149 @2428 has 2 MA's), (185, 2527), (423, 2968), (424, 2971), (507, 3190), (534, 3268), (594, 3487), (598, 3496),

Gene: Wachhund_3 Start: 2240, Stop: 3598, Start Num: 102

Candidate Starts for Wachhund_3:

(Start: 102 @2240 has 236 MA's), (Start: 119 @2273 has 2 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (176, 2420), (177, 2423), (178, 2426), (198, 2495), (201, 2501), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (515, 3194), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: Waits_15 Start: 8347, Stop: 9807, Start Num: 74

Candidate Starts for Waits_15:

(Start: 74 @8347 has 580 MA's), (121, 8407), (160, 8512), (184, 8578), (248, 8761), (265, 8794), (278, 8827), (426, 9058), (432, 9085), (434, 9091), (440, 9112), (445, 9133), (455, 9163), (479, 9187), (507, 9277), (515, 9307), (545, 9403), (552, 9430), (558, 9457), (563, 9475), (564, 9478), (575, 9511), (580, 9520), (613, 9637), (620, 9667), (651, 9721),

Gene: WalterMcMickey_12 Start: 8403, Stop: 9848, Start Num: 74

Candidate Starts for WalterMcMickey_12:

(Start: 74 @8403 has 580 MA's), (160, 8562), (183, 8625), (211, 8709), (221, 8742), (224, 8760), (226, 8766), (243, 8799), (278, 8880), (282, 8892), (390, 9018), (399, 9036), (426, 9108), (431, 9132), (432, 9135), (434, 9141), (440, 9162), (507, 9342), (545, 9468), (546, 9471), (558, 9522), (559, 9528), (564, 9543), (575, 9573), (580, 9582), (602, 9663), (613, 9699), (620, 9729), (649, 9780), (651, 9783),

Gene: Wamburgrxpress_5 Start: 2625, Stop: 4298, Start Num: 74

Candidate Starts for Wamburgrxpress_5:

(Start: 74 @2625 has 580 MA's), (121, 2688), (137, 2742), (147, 2766), (178, 2835), (183, 2859), (210, 2937), (220, 2973), (265, 3066), (267, 3069), (318, 3144), (341, 3183), (394, 3246), (406, 3273), (407, 3276), (418, 3297), (424, 3318), (435, 3360), (436, 3363), (485, 3465), (490, 3480), (492, 3486), (513, 3567), (521, 3594), (522, 3600), (551, 3693), (557, 3720), (559, 3729), (582, 3783), (586, 3804), (591, 3825), (598, 3852), (601, 3861), (617, 3921), (633, 3951), (638, 3960), (697, 4068), (718, 4263),

Gene: Wander_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for Wander_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Warda_3 Start: 2269, Stop: 3645, Start Num: 99

Candidate Starts for Warda_3:

(Start: 99 @2269 has 43 MA's), (Start: 149 @2389 has 2 MA's), (185, 2488), (198, 2527), (310, 2752), (383, 2845), (449, 3025), (518, 3193), (534, 3232), (540, 3262), (548, 3286), (598, 3460), (601, 3469), (647, 3580),

Gene: Waterfoul_7 Start: 2788, Stop: 4323, Start Num: 47

Candidate Starts for Waterfoul_7:

(Start: 47 @2788 has 130 MA's), (104, 2860), (121, 2896), (124, 2905), (136, 2950), (174, 3034), (178, 3046), (185, 3076), (191, 3094), (210, 3145), (220, 3181), (226, 3208), (265, 3259), (267, 3262), (269, 3268), (274, 3283), (275, 3286), (317, 3358), (326, 3379), (342, 3409), (365, 3454), (394, 3508), (415, 3553), (426, 3586), (435, 3622), (436, 3625), (437, 3628), (482, 3691), (489, 3709), (490, 3715), (508, 3787), (512, 3799), (513, 3802), (517, 3817), (536, 3862), (537, 3877), (544, 3898), (557, 3952), (558, 3955), (563, 3973), (568, 3988), (590, 4054), (593, 4069), (601, 4090), (607, 4108), (612, 4126), (624, 4162), (674, 4249),

Gene: Watermelon_14 Start: 9546, Stop: 10988, Start Num: 109

Candidate Starts for Watermelon_14:

(64, 9480), (Start: 109 @9546 has 196 MA's), (183, 9744), (265, 9957), (394, 10152), (399, 10164), (432, 10263), (509, 10458), (521, 10497), (545, 10575), (547, 10581), (558, 10629), (561, 10641), (564, 10650), (592, 10740), (620, 10830), (635, 10863), (644, 10875),

Gene: Watson_14 Start: 8646, Stop: 10100, Start Num: 74

Candidate Starts for Watson_14:

(Start: 74 @8646 has 580 MA's), (Start: 110 @8676 has 2 MA's), (121, 8703), (160, 8808), (202, 8922), (221, 8988), (244, 9045), (278, 9123), (279, 9126), (394, 9267), (432, 9378), (434, 9384), (440, 9405), (507, 9570), (545, 9696), (558, 9750), (559, 9756), (564, 9771), (580, 9807), (604, 9894), (613, 9924), (620, 9954), (645, 9999), (652, 10008),

Gene: Wee_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Wee_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: WeiHuaDA_19 Start: 11481, Stop: 12932, Start Num: 74

Candidate Starts for WeiHuaDA_19:

(Start: 74 @11481 has 580 MA's), (121, 11541), (160, 11646), (214, 11805), (265, 11928), (278, 11961), (395, 12108), (399, 12117), (426, 12189), (432, 12216), (434, 12222), (440, 12243), (455, 12294), (525, 12471), (544, 12531), (547, 12540), (558, 12588), (564, 12609), (575, 12636), (580, 12645), (604, 12732), (613, 12762), (620, 12792), (633, 12822), (651, 12846),

Gene: Werner_7 Start: 4056, Stop: 5492, Start Num: 102

Candidate Starts for Werner_7:

(Start: 96 @4050 has 4 MA's), (Start: 102 @4056 has 236 MA's), (117, 4080), (125, 4104), (Start: 149 @4173 has 2 MA's), (172, 4221), (175, 4233), (185, 4272), (228, 4425), (298, 4539), (326, 4581), (341, 4608), (369, 4641), (373, 4647), (419, 4737), (423, 4749), (443, 4824), (448, 4842), (483, 4920), (498, 4965), (511, 5022), (578, 5235), (585, 5259), (622, 5391), (661, 5457), (681, 5478),

Gene: Whabigail7_15 Start: 9685, Stop: 11145, Start Num: 74

Candidate Starts for Whabigail7_15:

(Start: 74 @9685 has 580 MA's), (121, 9745), (160, 9850), (224, 10048), (265, 10132), (278, 10165), (394, 10309), (426, 10393), (432, 10420), (434, 10426), (440, 10447), (441, 10453), (455, 10498), (558, 10792), (563, 10810), (564, 10813), (575, 10840), (580, 10849), (613, 10966), (620, 10996), (633, 11026), (651, 11050),

Gene: Whatever_7 Start: 4056, Stop: 5492, Start Num: 102

Candidate Starts for Whatever_7:

(Start: 96 @4050 has 4 MA's), (Start: 102 @4056 has 236 MA's), (117, 4080), (125, 4104), (Start: 149 @4173 has 2 MA's), (172, 4221), (175, 4233), (185, 4272), (228, 4425), (298, 4539), (326, 4581), (341, 4608), (369, 4641), (373, 4647), (419, 4737), (423, 4749), (443, 4824), (448, 4842), (483, 4920), (498, 4965), (511, 5022), (578, 5235), (585, 5259), (622, 5391), (661, 5457), (681, 5478),

Gene: Whatsapiecost_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for Whatsapiecost_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (525, 3242), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Wheeler_12 Start: 8712, Stop: 10154, Start Num: 109

Candidate Starts for Wheeler_12:

(64, 8646), (Start: 109 @8712 has 196 MA's), (183, 8910), (265, 9123), (394, 9318), (399, 9330), (432, 9429), (509, 9624), (521, 9663), (545, 9741), (547, 9747), (558, 9795), (561, 9807), (564, 9816), (592, 9906), (620, 9996), (635, 10029), (644, 10041),

Gene: Wheezy_25 Start: 13903, Stop: 15492, Start Num: 71

Candidate Starts for Wheezy_25:

(Start: 71 @13903 has 30 MA's), (Start: 74 @13909 has 580 MA's), (87, 13924), (91, 13933), (121, 13987), (185, 14179), (210, 14257), (216, 14281), (223, 14311), (348, 14515), (371, 14542), (422, 14659), (441, 14731), (445, 14746), (450, 14761), (486, 14842), (522, 14983), (553, 15082), (555, 15097), (558, 15106), (560, 15115), (575, 15151), (584, 15175), (607, 15259), (609, 15268), (621, 15313),

Gene: Whirlwind_7 Start: 2751, Stop: 4391, Start Num: 74

Candidate Starts for Whirlwind_7:

(Start: 74 @2751 has 580 MA's), (118, 2811), (178, 2961), (185, 2991), (210, 3063), (228, 3129), (257, 3177), (318, 3270), (341, 3309), (390, 3366), (406, 3399), (411, 3408), (418, 3423), (492, 3612), (510, 3684), (522, 3726), (582, 3909), (598, 3978), (601, 3987), (617, 4047), (633, 4077), (638, 4086), (681, 4161), (697, 4194),

Gene: WhoseManz_27 Start: 11741, Stop: 13363, Start Num: 44

Candidate Starts for WhoseManz_27:

(5, 10973), (7, 11045), (8, 11048), (16, 11294), (18, 11357), (22, 11405), (Start: 44 @11741 has 6 MA's), (Start: 71 @11786 has 30 MA's), (94, 11819), (371, 12425), (397, 12470), (441, 12602), (450, 12632), (486, 12713), (509, 12809), (518, 12839), (522, 12854), (558, 12977), (560, 12986), (575, 13022), (584, 13046), (601, 13112), (607, 13130), (609, 13139), (621, 13184),

Gene: Whouxphf_3 Start: 2273, Stop: 3598, Start Num: 119

Candidate Starts for Whouxphf_3:

(Start: 102 @2240 has 236 MA's), (Start: 119 @2273 has 2 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (176, 2420), (177, 2423), (178, 2426), (198, 2495), (201, 2501), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (273, 2672), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (576, 3386), (580, 3392), (587, 3416), (631, 3560),

Gene: WideWale_15 Start: 9710, Stop: 11170, Start Num: 74

Candidate Starts for WideWale_15:

(Start: 74 @9710 has 580 MA's), (121, 9770), (156, 9863), (160, 9875), (265, 10157), (278, 10190), (395, 10337), (399, 10346), (426, 10418), (432, 10445), (434, 10451), (440, 10472), (525, 10700), (558, 10817), (564, 10838), (575, 10865), (580, 10874), (613, 10991), (620, 11021), (633, 11051), (651, 11075),

Gene: Wigglewigggle_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Wigglewigggle_5:

(Start: 74 @2638 has 580 MA's), (147, 2779), (175, 2839), (177, 2845), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: Wiks_16 Start: 9265, Stop: 10731, Start Num: 74

Candidate Starts for Wiks_16:

(Start: 74 @9265 has 580 MA's), (94, 9286), (121, 9325), (152, 9412), (157, 9424), (160, 9430), (265, 9712), (288, 9766), (408, 9925), (426, 9976), (432, 10003), (434, 10009), (440, 10030), (491, 10132), (521, 10243), (564, 10396), (569, 10411), (575, 10423), (580, 10432), (594, 10498), (604, 10519), (613, 10549), (620, 10579), (633, 10609),

Gene: Wilbur_12 Start: 8577, Stop: 10028, Start Num: 74

Candidate Starts for Wilbur_12:

(Start: 74 @8577 has 580 MA's), (156, 8724), (160, 8736), (217, 8904), (224, 8934), (244, 8973), (253, 8991), (278, 9051), (385, 9180), (394, 9198), (432, 9309), (434, 9315), (440, 9336), (441, 9342), (475, 9411), (497, 9471), (507, 9516), (545, 9642), (546, 9645), (558, 9696), (559, 9702), (564, 9717), (575, 9747), (602, 9837), (613, 9873), (615, 9885), (620, 9903), (633, 9933),

Gene: Wildcat_27 Start: 9714, Stop: 11153, Start Num: 79

Candidate Starts for Wildcat_27:

(57, 9681), (73, 9705), (Start: 79 @9714 has 5 MA's), (114, 9765), (121, 9777), (125, 9789), (175, 9921), (177, 9927), (178, 9930), (179, 9933), (183, 9954), (185, 9960), (209, 10020), (210, 10029), (215, 10050), (247, 10128), (385, 10308), (399, 10338), (407, 10356), (415, 10371), (424, 10398), (432, 10431), (436, 10443), (437, 10446), (449, 10491), (482, 10527), (490, 10548), (506, 10611), (521, 10662), (545, 10734), (558, 10788), (560, 10797), (588, 10878), (594, 10908), (608, 10950), (615, 10977), (640, 11028), (646, 11037), (684, 11094), (700, 11133),

Gene: Wilder_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Wilder_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865),

3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: Wildwest_4 Start: 3217, Stop: 4587, Start Num: 98

Candidate Starts for Wildwest_4:

(20, 2782), (30, 2923), (34, 3028), (Start: 98 @3217 has 18 MA's), (117, 3244), (Start: 149 @3334 has 2 MA's), (198, 3472), (254, 3604), (324, 3712), (449, 3970), (518, 4135), (534, 4174), (540, 4204), (548, 4228), (598, 4402), (601, 4411), (647, 4522),

Gene: Wile_12 Start: 8588, Stop: 10045, Start Num: 74

Candidate Starts for Wile_12:

(Start: 74 @8588 has 580 MA's), (156, 8738), (160, 8750), (211, 8897), (217, 8918), (224, 8948), (244, 8987), (253, 9005), (278, 9065), (385, 9194), (394, 9212), (399, 9224), (411, 9248), (432, 9323), (434, 9329), (440, 9350), (441, 9356), (497, 9485), (507, 9530), (545, 9656), (546, 9659), (558, 9710), (564, 9731), (575, 9758), (602, 9848), (613, 9884), (615, 9896), (620, 9914), (633, 9944),

Gene: Wilkins_12 Start: 8423, Stop: 9865, Start Num: 109

Candidate Starts for Wilkins_12:

(64, 8357), (Start: 109 @8423 has 196 MA's), (183, 8621), (265, 8834), (394, 9029), (399, 9041), (432, 9140), (453, 9212), (509, 9335), (521, 9374), (545, 9452), (547, 9458), (558, 9506), (561, 9518), (564, 9527), (592, 9617), (620, 9707), (635, 9740), (644, 9752),

Gene: WillSterrel_3 Start: 2243, Stop: 3613, Start Num: 102

Candidate Starts for WillSterrel_3:

(Start: 102 @2243 has 236 MA's), (Start: 120 @2279 has 8 MA's), (Start: 128 @2303 has 1 MA's), (132, 2312), (134, 2318), (135, 2321), (148, 2360), (177, 2426), (178, 2429), (198, 2498), (210, 2537), (212, 2546), (227, 2594), (265, 2654), (285, 2702), (320, 2747), (380, 2792), (391, 2819), (413, 2864), (421, 2885), (422, 2888), (423, 2891), (428, 2912), (430, 2921), (444, 2972), (445, 2975), (448, 2984), (459, 3014), (467, 3035), (493, 3104), (496, 3113), (506, 3164), (507, 3167), (524, 3227), (526, 3233), (558, 3344), (561, 3356), (576, 3389), (580, 3395), (587, 3419), (642, 3581),

Gene: WilliamBoone_31 Start: 9788, Stop: 11401, Start Num: 62

Candidate Starts for WilliamBoone_31:

(Start: 62 @9788 has 16 MA's), (Start: 97 @9839 has 14 MA's), (104, 9848), (Start: 128 @9908 has 1 MA's), (132, 9917), (148, 9965), (164, 9998), (166, 10001), (181, 10046), (187, 10073), (265, 10277), (276, 10307), (296, 10343), (302, 10352), (331, 10388), (345, 10397), (352, 10412), (422, 10553), (427, 10571), (428, 10577), (440, 10619), (493, 10805), (494, 10811), (524, 10928), (539, 10973), (553, 11021), (582, 11099), (587, 11123), (588, 11129), (590, 11138), (612, 11207), (615, 11222), (629, 11258), (631, 11261), (638, 11273), (642, 11279),

Gene: Winky_5 Start: 2638, Stop: 4293, Start Num: 74

Candidate Starts for Winky_5:

(Start: 74 @2638 has 580 MA's), (121, 2701), (147, 2779), (175, 2839), (178, 2848), (183, 2872), (185, 2878), (210, 2950), (226, 3013), (257, 3064), (318, 3157), (341, 3196), (394, 3259), (399, 3271), (404, 3280), (406, 3286), (407, 3289), (418, 3310), (424, 3331), (426, 3337), (436, 3376), (483, 3472), (492, 3499), (521, 3607), (522, 3613), (551, 3706), (557, 3733), (582, 3796), (586, 3817), (591, 3838), (598, 3865), (601, 3874), (617, 3934), (633, 3964), (638, 3973), (642, 3979), (697, 4081), (705, 4114), (713, 4153), (718, 4258),

Gene: Wintermute_10 Start: 3921, Stop: 5507, Start Num: 45

Candidate Starts for Wintermute_10:

(Start: 42 @3906 has 24 MA's), (Start: 45 @3921 has 26 MA's), (56, 3945), (104, 4011), (124, 4056), (Start: 149 @4128 has 2 MA's), (174, 4185), (177, 4194), (178, 4197), (185, 4227), (210, 4296), (215,

4317), (224, 4353), (226, 4359), (253, 4383), (269, 4419), (274, 4434), (292, 4473), (370, 4608), (376, 4617), (385, 4635), (398, 4662), (399, 4665), (415, 4698), (426, 4731), (430, 4752), (437, 4773), (482, 4836), (490, 4860), (498, 4884), (508, 4932), (512, 4944), (515, 4956), (517, 4962), (532, 5001), (561, 5115), (563, 5121), (601, 5292), (609, 5319), (612, 5328), (635, 5391), (642, 5403),

Gene: Wizard007_12 Start: 8580, Stop: 10031, Start Num: 74

Candidate Starts for Wizard007_12:

(Start: 74 @8580 has 580 MA's), (160, 8739), (217, 8907), (224, 8937), (244, 8976), (253, 8994), (278, 9054), (385, 9183), (394, 9201), (432, 9312), (434, 9318), (440, 9339), (441, 9345), (475, 9414), (497, 9474), (507, 9519), (545, 9645), (546, 9648), (558, 9699), (559, 9705), (564, 9720), (575, 9750), (602, 9840), (613, 9876), (615, 9888), (620, 9906), (633, 9936),

Gene: Wooldri_16 Start: 8565, Stop: 10019, Start Num: 74

Candidate Starts for Wooldri_16:

(Start: 74 @8565 has 580 MA's), (Start: 110 @8595 has 2 MA's), (121, 8622), (160, 8727), (202, 8841), (221, 8907), (244, 8964), (278, 9042), (279, 9045), (394, 9186), (432, 9297), (434, 9303), (440, 9324), (507, 9489), (545, 9615), (558, 9669), (559, 9675), (564, 9690), (580, 9726), (604, 9813), (613, 9843), (620, 9873), (645, 9918), (652, 9927),

Gene: WunderPhul_16 Start: 9265, Stop: 10731, Start Num: 74

Candidate Starts for WunderPhul_16:

(Start: 74 @9265 has 580 MA's), (94, 9286), (121, 9325), (152, 9412), (157, 9424), (160, 9430), (265, 9712), (288, 9766), (408, 9925), (426, 9976), (432, 10003), (434, 10009), (440, 10030), (491, 10132), (521, 10243), (564, 10396), (569, 10411), (575, 10423), (580, 10432), (594, 10498), (604, 10519), (613, 10549), (620, 10579), (633, 10609),

Gene: Wyatt2_5 Start: 2625, Stop: 4298, Start Num: 74

Candidate Starts for Wyatt2_5:

(Start: 74 @2625 has 580 MA's), (121, 2688), (137, 2742), (147, 2766), (178, 2835), (183, 2859), (210, 2937), (220, 2973), (265, 3066), (267, 3069), (318, 3144), (341, 3183), (394, 3246), (406, 3273), (407, 3276), (418, 3297), (424, 3318), (435, 3360), (436, 3363), (485, 3465), (490, 3480), (492, 3486), (513, 3567), (521, 3594), (522, 3600), (551, 3693), (557, 3720), (559, 3729), (582, 3783), (586, 3804), (591, 3825), (598, 3852), (601, 3861), (617, 3921), (633, 3951), (638, 3960), (697, 4068), (718, 4263),

Gene: XFactor_3 Start: 2255, Stop: 3625, Start Num: 102

Candidate Starts for XFactor_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (177, 2438), (178, 2441), (198, 2510), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (522, 3233), (524, 3239), (526, 3245), (545, 3302), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575), (642, 3593),

Gene: Xena_12 Start: 8575, Stop: 10032, Start Num: 74

Candidate Starts for Xena_12:

(Start: 74 @8575 has 580 MA's), (156, 8725), (160, 8737), (211, 8884), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (399, 9211), (411, 9235), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (564, 9718), (575, 9745), (602, 9835), (613, 9871), (615, 9883), (620, 9901), (633, 9931),

Gene: XianYue_13 Start: 9147, Stop: 10622, Start Num: 74

Candidate Starts for XianYue_13:

(Start: 74 @9147 has 580 MA's), (121, 9207), (160, 9312), (265, 9594), (278, 9627), (395, 9774), (399, 9783), (426, 9855), (432, 9882), (434, 9888), (440, 9909), (455, 9960), (521, 10122), (558, 10254), (564, 10275), (575, 10302), (580, 10311), (613, 10428), (620, 10458), (633, 10488), (651, 10512), (702, 10599),

Gene: Ximenita_9 Start: 3130, Stop: 4680, Start Num: 47

Candidate Starts for Ximenita_9:

(31, 2998), (33, 3025), (Start: 42 @3115 has 24 MA's), (Start: 47 @3130 has 130 MA's), (Start: 71 @3160 has 30 MA's), (121, 3238), (158, 3343), (177, 3385), (210, 3487), (220, 3523), (226, 3550), (274, 3628), (292, 3667), (326, 3724), (364, 3793), (376, 3817), (394, 3853), (399, 3865), (415, 3898), (426, 3931), (430, 3952), (437, 3973), (444, 4003), (482, 4036), (489, 4054), (512, 4144), (513, 4147), (517, 4162), (534, 4198), (536, 4204), (546, 4246), (558, 4297), (563, 4315), (592, 4408), (593, 4411), (601, 4432), (608, 4456), (609, 4459), (612, 4468),

Gene: Y10_10 Start: 3922, Stop: 5508, Start Num: 45

Candidate Starts for Y10_10:

(Start: 42 @3907 has 24 MA's), (Start: 45 @3922 has 26 MA's), (56, 3946), (104, 4012), (124, 4057), (Start: 149 @4129 has 2 MA's), (174, 4186), (177, 4195), (178, 4198), (185, 4228), (210, 4297), (215, 4318), (220, 4333), (224, 4354), (226, 4360), (253, 4384), (269, 4420), (274, 4435), (292, 4474), (370, 4609), (376, 4618), (385, 4636), (398, 4663), (399, 4666), (415, 4699), (426, 4732), (430, 4753), (437, 4774), (482, 4837), (490, 4861), (498, 4885), (508, 4933), (512, 4945), (515, 4957), (517, 4963), (532, 5002), (561, 5116), (563, 5122), (601, 5293), (609, 5320), (612, 5329), (635, 5392), (642, 5404),

Gene: Y2_10 Start: 3922, Stop: 5508, Start Num: 45

Candidate Starts for Y2_10:

(Start: 42 @3907 has 24 MA's), (Start: 45 @3922 has 26 MA's), (56, 3946), (104, 4012), (124, 4057), (Start: 149 @4129 has 2 MA's), (174, 4186), (177, 4195), (178, 4198), (185, 4228), (210, 4297), (215, 4318), (220, 4333), (224, 4354), (226, 4360), (253, 4384), (269, 4420), (274, 4435), (292, 4474), (370, 4609), (376, 4618), (385, 4636), (398, 4663), (399, 4666), (415, 4699), (426, 4732), (430, 4753), (437, 4774), (482, 4837), (490, 4861), (498, 4885), (508, 4933), (512, 4945), (515, 4957), (517, 4963), (532, 5002), (561, 5116), (563, 5122), (601, 5293), (609, 5320), (612, 5329), (635, 5392), (642, 5404),

Gene: Yang_3 Start: 2261, Stop: 3796, Start Num: 97

Candidate Starts for Yang_3:

(Start: 97 @2261 has 14 MA's), (Start: 149 @2381 has 2 MA's), (185, 2480), (310, 2744), (449, 3017), (518, 3182), (534, 3221), (540, 3251), (548, 3275), (598, 3449), (612, 3494), (641, 3560), (669, 3608), (683, 3638), (693, 3659), (701, 3683), (707, 3710),

Gene: Yasdni1_7 Start: 4055, Stop: 5491, Start Num: 102

Candidate Starts for Yasdni1_7:

(Start: 96 @4049 has 4 MA's), (Start: 102 @4055 has 236 MA's), (117, 4079), (125, 4103), (Start: 149 @4172 has 2 MA's), (172, 4220), (175, 4232), (185, 4271), (228, 4424), (253, 4454), (298, 4538), (326, 4580), (369, 4640), (373, 4646), (419, 4736), (423, 4748), (443, 4823), (448, 4841), (483, 4919), (498, 4964), (511, 5021), (578, 5234), (585, 5258), (622, 5390), (681, 5477),

Gene: Yecey3_13 Start: 8082, Stop: 9566, Start Num: 74

Candidate Starts for Yecey3_13:

(Start: 74 @8082 has 580 MA's), (89, 8094), (121, 8142), (160, 8247), (202, 8361), (229, 8457), (265, 8529), (385, 8688), (411, 8742), (415, 8751), (426, 8790), (432, 8817), (434, 8823), (440, 8844), (455, 8895), (509, 9018), (558, 9189), (563, 9207), (575, 9237), (580, 9246), (604, 9333), (611, 9357), (613, 9363), (620, 9393), (645, 9438), (651, 9447),

Gene: YesChef_3 Start: 2320, Stop: 3696, Start Num: 99

Candidate Starts for YesChef_3:

(Start: 99 @2320 has 43 MA's), (Start: 149 @2440 has 2 MA's), (185, 2539), (198, 2578), (310, 2803), (383, 2896), (449, 3076), (518, 3244), (534, 3283), (540, 3313), (548, 3337), (598, 3511), (601, 3520), (647, 3631),

Gene: Yndexa_27 Start: 13681, Stop: 15303, Start Num: 44

Candidate Starts for Yndexa_27:

(Start: 44 @13681 has 6 MA's), (Start: 71 @13726 has 30 MA's), (89, 13750), (94, 13759), (371, 14365), (397, 14410), (441, 14542), (450, 14572), (486, 14653), (509, 14749), (518, 14779), (522, 14794), (558, 14917), (560, 14926), (575, 14962), (584, 14986), (601, 15052), (607, 15070), (609, 15079), (621, 15124),

Gene: YoSam321_12 Start: 8578, Stop: 10029, Start Num: 74

Candidate Starts for YoSam321_12:

(Start: 74 @8578 has 580 MA's), (156, 8725), (160, 8737), (217, 8905), (224, 8935), (244, 8974), (253, 8992), (278, 9052), (385, 9181), (394, 9199), (423, 9274), (432, 9310), (434, 9316), (440, 9337), (441, 9343), (475, 9412), (497, 9472), (507, 9517), (545, 9643), (546, 9646), (558, 9697), (559, 9703), (564, 9718), (575, 9748), (602, 9838), (613, 9874), (620, 9904), (633, 9934),

Gene: Yogi_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Yogi_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (256, 5252), (344, 5381), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (512, 5765), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Yokurt_16 Start: 9265, Stop: 10731, Start Num: 74

Candidate Starts for Yokurt_16:

(Start: 74 @9265 has 580 MA's), (94, 9286), (121, 9325), (152, 9412), (157, 9424), (160, 9430), (265, 9712), (288, 9766), (408, 9925), (426, 9976), (432, 10003), (434, 10009), (440, 10030), (491, 10132), (521, 10243), (564, 10396), (569, 10411), (575, 10423), (580, 10432), (594, 10498), (604, 10519), (613, 10549), (620, 10579), (633, 10609),

Gene: Yoncess_9 Start: 4835, Stop: 6265, Start Num: 74

Candidate Starts for Yoncess_9:

(Start: 74 @4835 has 580 MA's), (173, 5012), (179, 5033), (185, 5060), (189, 5075), (211, 5138), (256, 5252), (344, 5381), (398, 5453), (428, 5540), (430, 5549), (432, 5555), (445, 5603), (478, 5657), (487, 5672), (490, 5681), (507, 5747), (509, 5756), (552, 5900), (563, 5945), (564, 5948), (593, 6041), (613, 6098), (620, 6128), (633, 6155), (645, 6167), (649, 6173),

Gene: Yorick_3 Start: 2239, Stop: 3609, Start Num: 102

Candidate Starts for Yorick_3:

(Start: 102 @2239 has 236 MA's), (Start: 120 @2275 has 8 MA's), (Start: 128 @2299 has 1 MA's), (132, 2308), (134, 2314), (135, 2317), (148, 2356), (177, 2422), (178, 2425), (198, 2494), (210, 2533), (212, 2542), (227, 2590), (265, 2650), (285, 2698), (320, 2743), (380, 2788), (391, 2815), (413, 2860), (421, 2881), (422, 2884), (423, 2887), (428, 2908), (430, 2917), (444, 2968), (445, 2971), (448, 2980), (459, 3010), (467, 3031), (493, 3100), (496, 3109), (506, 3160), (507, 3163), (524, 3223), (526, 3229), (550, 3307), (558, 3340), (561, 3352), (580, 3391), (587, 3415), (642, 3577),

Gene: Yosif_8 Start: 4526, Stop: 5956, Start Num: 102

Candidate Starts for Yosif_8:

(Start: 102 @4526 has 236 MA's), (Start: 149 @4643 has 2 MA's), (175, 4703), (210, 4838), (215, 4859), (263, 4946), (369, 5111), (382, 5129), (419, 5204), (423, 5216), (443, 5291), (448, 5309), (483,

5384), (504, 5459), (511, 5486), (544, 5591), (583, 5711), (585, 5723), (609, 5813), (622, 5855), (681, 5945),

Gene: YoungHarleezy_4 Start: 2273, Stop: 3610, Start Num: 108

Candidate Starts for YoungHarleezy_4:

(39, 2153), (41, 2156), (50, 2195), (52, 2198), (60, 2210), (85, 2246), (Start: 93 @2261 has 3 MA's), (Start: 108 @2273 has 17 MA's), (150, 2384), (156, 2396), (254, 2654), (278, 2711), (311, 2759), (390, 2855), (399, 2873), (404, 2882), (430, 2963), (434, 2975), (435, 2978), (441, 3002), (454, 3044), (509, 3170), (525, 3224), (545, 3287), (557, 3338), (560, 3350), (576, 3389), (593, 3455), (620, 3536), (622, 3539), (627, 3545), (657, 3596),

Gene: YoureAdopted_8 Start: 2996, Stop: 4552, Start Num: 47

Candidate Starts for YoureAdopted_8:

(33, 2894), (Start: 42 @2981 has 24 MA's), (Start: 47 @2996 has 130 MA's), (117, 3095), (121, 3104), (143, 3176), (Start: 149 @3185 has 2 MA's), (158, 3209), (174, 3242), (177, 3251), (185, 3284), (210, 3353), (215, 3374), (226, 3416), (269, 3482), (274, 3497), (317, 3572), (326, 3593), (357, 3647), (415, 3767), (426, 3800), (430, 3821), (437, 3842), (444, 3872), (482, 3905), (489, 3923), (508, 4001), (512, 4013), (513, 4016), (516, 4028), (517, 4031), (534, 4067), (546, 4115), (558, 4166), (563, 4184), (593, 4280), (601, 4301), (609, 4328), (612, 4337), (624, 4373),

Gene: Yuna_9 Start: 3102, Stop: 4664, Start Num: 47

Candidate Starts for Yuna_9:

(31, 2970), (33, 2997), (Start: 42 @3087 has 24 MA's), (Start: 47 @3102 has 130 MA's), (112, 3198), (121, 3219), (124, 3228), (126, 3234), (131, 3249), (135, 3261), (Start: 149 @3300 has 2 MA's), (158, 3324), (177, 3366), (210, 3468), (215, 3489), (220, 3504), (269, 3594), (274, 3609), (326, 3705), (332, 3714), (339, 3729), (399, 3846), (415, 3879), (426, 3912), (430, 3933), (437, 3954), (444, 3984), (482, 4017), (489, 4035), (508, 4113), (512, 4125), (516, 4140), (517, 4143), (534, 4179), (546, 4227), (558, 4278), (563, 4296), (590, 4377), (592, 4389), (601, 4413), (609, 4440), (612, 4449),

Gene: Yunkel11_9 Start: 3023, Stop: 4576, Start Num: 47

Candidate Starts for Yunkel11_9:

(Start: 42 @3008 has 24 MA's), (Start: 47 @3023 has 130 MA's), (117, 3116), (121, 3125), (131, 3155), (158, 3230), (174, 3263), (177, 3272), (210, 3374), (215, 3395), (220, 3410), (224, 3431), (226, 3437), (274, 3515), (292, 3554), (326, 3611), (415, 3785), (430, 3839), (437, 3860), (444, 3890), (482, 3923), (508, 4019), (512, 4031), (513, 4034), (516, 4046), (517, 4049), (521, 4061), (530, 4082), (534, 4085), (563, 4202), (592, 4295), (601, 4319), (608, 4343), (609, 4346), (612, 4355), (642, 4430), (674, 4478),

Gene: Yvonnetastic_29 Start: 12189, Stop: 13751, Start Num: 62

Candidate Starts for Yvonnetastic_29:

(35, 12105), (Start: 62 @12189 has 16 MA's), (Start: 97 @12240 has 14 MA's), (104, 12249), (148, 12366), (164, 12399), (181, 12447), (182, 12450), (185, 12465), (187, 12474), (209, 12534), (213, 12555), (230, 12612), (265, 12678), (268, 12684), (276, 12708), (294, 12741), (344, 12795), (345, 12798), (410, 12918), (427, 12972), (428, 12978), (445, 13041), (474, 13149), (518, 13308), (524, 13329), (539, 13374), (545, 13392), (559, 13452), (563, 13464), (564, 13467), (623, 13647), (631, 13662), (640, 13677),

Gene: Zabiza_9 Start: 3020, Stop: 4579, Start Num: 47

Candidate Starts for Zabiza_9:

(33, 2918), (Start: 42 @3005 has 24 MA's), (Start: 47 @3020 has 130 MA's), (117, 3122), (121, 3131), (143, 3203), (Start: 149 @3212 has 2 MA's), (158, 3236), (174, 3269), (177, 3278), (185, 3311), (191, 3329), (210, 3380), (215, 3401), (226, 3443), (269, 3509), (274, 3524), (317, 3599), (326, 3620), (357, 3674), (415, 3794), (426, 3827), (430, 3848), (437, 3869), (444, 3899), (482, 3932), (489, 3950), (508,

4028), (512, 4040), (513, 4043), (516, 4055), (517, 4058), (534, 4094), (546, 4142), (558, 4193), (563, 4211), (593, 4307), (601, 4328), (609, 4355), (612, 4364), (624, 4400),

Gene: Zainub_12 Start: 4426, Stop: 5895, Start Num: 102

Candidate Starts for Zainub_12:

(Start: 102 @4426 has 236 MA's), (Start: 149 @4543 has 2 MA's), (175, 4603), (185, 4642), (210, 4735), (215, 4756), (326, 4948), (341, 4975), (396, 5053), (423, 5113), (434, 5155), (443, 5188), (448, 5206), (454, 5224), (457, 5233), (477, 5314), (498, 5371), (509, 5422), (511, 5428), (563, 5608), (585, 5665), (609, 5755), (612, 5764), (681, 5881),

Gene: Zaka_16 Start: 9265, Stop: 10731, Start Num: 74

Candidate Starts for Zaka_16:

(Start: 74 @9265 has 580 MA's), (94, 9286), (121, 9325), (152, 9412), (157, 9424), (160, 9430), (265, 9712), (288, 9766), (408, 9925), (426, 9976), (432, 10003), (434, 10009), (440, 10030), (491, 10132), (521, 10243), (564, 10396), (569, 10411), (575, 10423), (580, 10432), (594, 10498), (604, 10519), (613, 10549), (620, 10579), (633, 10609),

Gene: Zakai_5 Start: 2626, Stop: 4281, Start Num: 74

Candidate Starts for Zakai_5:

(Start: 74 @2626 has 580 MA's), (121, 2689), (147, 2767), (175, 2827), (178, 2836), (183, 2860), (185, 2866), (210, 2938), (226, 3001), (257, 3052), (318, 3145), (341, 3184), (394, 3247), (399, 3259), (404, 3268), (406, 3274), (407, 3277), (418, 3298), (424, 3319), (426, 3325), (436, 3364), (483, 3460), (492, 3487), (521, 3595), (522, 3601), (551, 3694), (557, 3721), (582, 3784), (586, 3805), (591, 3826), (598, 3853), (601, 3862), (617, 3922), (633, 3952), (638, 3961), (642, 3967), (697, 4069), (705, 4102), (713, 4141), (718, 4246),

Gene: Zaria_5 Start: 2625, Stop: 4298, Start Num: 74

Candidate Starts for Zaria_5:

(Start: 74 @2625 has 580 MA's), (121, 2688), (137, 2742), (147, 2766), (178, 2835), (183, 2859), (210, 2937), (220, 2973), (265, 3066), (267, 3069), (318, 3144), (341, 3183), (394, 3246), (406, 3273), (407, 3276), (418, 3297), (424, 3318), (435, 3360), (436, 3363), (485, 3465), (490, 3480), (492, 3486), (513, 3567), (521, 3594), (522, 3600), (551, 3693), (557, 3720), (559, 3729), (582, 3783), (586, 3804), (591, 3825), (598, 3852), (601, 3861), (617, 3921), (633, 3951), (638, 3960), (697, 4068), (718, 4263),

Gene: Zavala_9 Start: 3005, Stop: 4561, Start Num: 47

Candidate Starts for Zavala_9:

(33, 2903), (Start: 42 @2990 has 24 MA's), (Start: 47 @3005 has 130 MA's), (117, 3104), (121, 3113), (143, 3185), (Start: 149 @3194 has 2 MA's), (158, 3218), (174, 3251), (177, 3260), (185, 3293), (210, 3362), (215, 3383), (226, 3425), (269, 3491), (274, 3506), (317, 3581), (326, 3602), (357, 3656), (415, 3776), (426, 3809), (430, 3830), (437, 3851), (444, 3881), (482, 3914), (489, 3932), (508, 4010), (512, 4022), (513, 4025), (516, 4037), (517, 4040), (534, 4076), (546, 4124), (558, 4175), (563, 4193), (593, 4289), (601, 4310), (609, 4337), (612, 4346), (624, 4382),

Gene: Zeeculate_11 Start: 8407, Stop: 9849, Start Num: 109

Candidate Starts for Zeeculate_11:

(64, 8341), (Start: 109 @8407 has 196 MA's), (183, 8605), (265, 8818), (394, 9013), (399, 9025), (432, 9124), (453, 9196), (509, 9319), (521, 9358), (545, 9436), (547, 9442), (558, 9490), (561, 9502), (564, 9511), (592, 9601), (620, 9691), (635, 9724), (644, 9736),

Gene: Zemlya_8 Start: 4055, Stop: 5491, Start Num: 102

Candidate Starts for Zemlya_8:

(Start: 96 @4049 has 4 MA's), (Start: 102 @4055 has 236 MA's), (117, 4079), (125, 4103), (Start: 149 @4172 has 2 MA's), (172, 4220), (185, 4271), (228, 4424), (253, 4454), (298, 4538), (326, 4580),

(373, 4646), (419, 4736), (423, 4748), (448, 4841), (483, 4919), (498, 4964), (511, 5021), (518, 5045), (578, 5234), (585, 5258), (681, 5477),

Gene: Zephyr_12 Start: 8548, Stop: 9990, Start Num: 109

Candidate Starts for Zephyr_12:

(64, 8482), (Start: 109 @8548 has 196 MA's), (183, 8746), (265, 8959), (345, 9088), (394, 9154), (398, 9163), (432, 9265), (453, 9337), (509, 9460), (521, 9499), (545, 9577), (547, 9583), (558, 9631), (561, 9643), (564, 9652), (592, 9742), (620, 9832), (635, 9865), (644, 9877),

Gene: Zerg_3 Start: 2240, Stop: 3610, Start Num: 102

Candidate Starts for Zerg_3:

(Start: 102 @2240 has 236 MA's), (Start: 120 @2276 has 8 MA's), (Start: 128 @2300 has 1 MA's), (132, 2309), (134, 2315), (135, 2318), (148, 2357), (177, 2423), (178, 2426), (198, 2495), (210, 2534), (212, 2543), (227, 2591), (265, 2651), (285, 2699), (320, 2744), (380, 2789), (391, 2816), (413, 2861), (421, 2882), (422, 2885), (423, 2888), (428, 2909), (430, 2918), (444, 2969), (445, 2972), (448, 2981), (459, 3011), (467, 3032), (493, 3101), (496, 3110), (506, 3161), (507, 3164), (524, 3224), (526, 3230), (550, 3308), (558, 3341), (561, 3353), (580, 3392), (587, 3416), (642, 3578),

Gene: Zeta1847_3 Start: 2253, Stop: 3662, Start Num: 99

Candidate Starts for Zeta1847_3:

(Start: 99 @2253 has 43 MA's), (Start: 149 @2373 has 2 MA's), (376, 2817), (394, 2853), (398, 2862), (418, 2898), (431, 2949), (436, 2964), (438, 2970), (524, 3216), (566, 3360), (588, 3417), (598, 3456), (609, 3492), (649, 3576), (687, 3651),

Gene: Zetzy_13 Start: 8219, Stop: 9673, Start Num: 74

Candidate Starts for Zetzy_13:

(Start: 74 @8219 has 580 MA's), (Start: 110 @8249 has 2 MA's), (121, 8276), (160, 8381), (202, 8495), (221, 8561), (244, 8618), (256, 8645), (278, 8696), (394, 8840), (432, 8951), (434, 8957), (440, 8978), (507, 9143), (545, 9269), (558, 9323), (559, 9329), (564, 9344), (580, 9380), (604, 9467), (613, 9497), (620, 9527), (645, 9572), (652, 9581),

Gene: Zeuska_13 Start: 9226, Stop: 10668, Start Num: 109

Candidate Starts for Zeuska_13:

(64, 9160), (Start: 109 @9226 has 196 MA's), (183, 9424), (265, 9637), (394, 9832), (399, 9844), (432, 9943), (509, 10138), (521, 10177), (545, 10255), (547, 10261), (558, 10309), (561, 10321), (564, 10330), (592, 10420), (620, 10510), (635, 10543), (644, 10555),

Gene: ZhongYanYuan_4 Start: 2470, Stop: 4125, Start Num: 74

Candidate Starts for ZhongYanYuan_4:

(Start: 74 @2470 has 580 MA's), (121, 2533), (147, 2611), (178, 2680), (183, 2704), (185, 2710), (210, 2782), (220, 2818), (226, 2845), (257, 2896), (318, 2989), (341, 3028), (390, 3085), (394, 3091), (399, 3103), (404, 3112), (406, 3118), (407, 3121), (418, 3142), (424, 3163), (426, 3169), (436, 3208), (483, 3304), (492, 3331), (521, 3439), (522, 3445), (551, 3538), (557, 3565), (582, 3628), (586, 3649), (591, 3670), (598, 3697), (601, 3706), (617, 3766), (633, 3796), (638, 3805), (642, 3811), (691, 3901), (697, 3913), (705, 3946), (713, 3985), (718, 4090),

Gene: Ziko_38 Start: 12130, Stop: 13536, Start Num: 108

Candidate Starts for Ziko_38:

(Start: 108 @12130 has 17 MA's), (126, 12169), (139, 12217), (169, 12277), (210, 12403), (226, 12466), (229, 12472), (265, 12517), (336, 12652), (378, 12721), (418, 12802), (424, 12823), (430, 12850), (482, 12934), (512, 13042), (549, 13165), (556, 13195), (557, 13198), (593, 13306), (594, 13312), (606, 13342), (608, 13351), (609, 13354), (612, 13363), (639, 13435), (645, 13444), (655, 13459),

Gene: Zimmer_15 Start: 10806, Stop: 12263, Start Num: 74

Candidate Starts for Zimmer_15:

(Start: 74 @10806 has 580 MA's), (121, 10866), (160, 10971), (179, 11013), (202, 11085), (229, 11181), (265, 11253), (278, 11286), (393, 11427), (398, 11439), (426, 11514), (432, 11541), (434, 11547), (440, 11568), (455, 11619), (558, 11913), (563, 11931), (569, 11949), (575, 11961), (580, 11970), (593, 12030), (613, 12087), (620, 12117), (625, 12126), (633, 12147), (643, 12159), (698, 12240),

Gene: Zion_13 Start: 8757, Stop: 10319, Start Num: 81

Candidate Starts for Zion_13:

(Start: 71 @8742 has 30 MA's), (Start: 81 @8757 has 6 MA's), (118, 8820), (125, 8841), (136, 8883), (161, 8943), (164, 8952), (170, 8961), (181, 9000), (210, 9096), (256, 9216), (259, 9222), (283, 9285), (287, 9291), (379, 9405), (388, 9426), (414, 9480), (421, 9504), (441, 9579), (445, 9594), (450, 9609), (493, 9714), (496, 9723), (522, 9831), (561, 9963), (585, 10026), (594, 10071), (610, 10116), (612, 10122), (618, 10149), (621, 10158), (628, 10173), (689, 10257),

Gene: Zizzle_3 Start: 2255, Stop: 3613, Start Num: 102

Candidate Starts for Zizzle_3:

(Start: 102 @2255 has 236 MA's), (Start: 120 @2291 has 8 MA's), (Start: 128 @2315 has 1 MA's), (132, 2324), (134, 2330), (135, 2333), (148, 2372), (176, 2435), (177, 2438), (178, 2441), (198, 2510), (201, 2516), (210, 2549), (212, 2558), (227, 2606), (265, 2666), (273, 2687), (285, 2714), (320, 2759), (380, 2804), (391, 2831), (413, 2876), (421, 2897), (422, 2900), (423, 2903), (428, 2924), (430, 2933), (444, 2984), (445, 2987), (448, 2996), (459, 3026), (467, 3047), (493, 3116), (496, 3125), (506, 3176), (507, 3179), (524, 3239), (526, 3245), (558, 3356), (561, 3368), (576, 3401), (580, 3407), (587, 3431), (631, 3575),

Gene: ZoeJ_5 Start: 2085, Stop: 3584, Start Num: 45

Candidate Starts for ZoeJ_5:

(31, 1944), (Start: 42 @2070 has 24 MA's), (Start: 45 @2085 has 26 MA's), (121, 2187), (126, 2202), (Start: 149 @2268 has 2 MA's), (163, 2301), (174, 2325), (178, 2337), (183, 2361), (185, 2367), (206, 2418), (210, 2436), (215, 2457), (224, 2493), (226, 2499), (253, 2523), (269, 2559), (317, 2649), (376, 2757), (398, 2802), (399, 2805), (404, 2814), (415, 2838), (430, 2892), (437, 2913), (444, 2943), (482, 2976), (489, 2994), (490, 3000), (498, 3024), (512, 3084), (515, 3096), (517, 3102), (532, 3141), (558, 3243), (563, 3261), (583, 3306), (606, 3393), (608, 3402), (609, 3405), (612, 3414), (628, 3465), (660, 3510), (696, 3561),

Gene: Zolita_9 Start: 8017, Stop: 9450, Start Num: 76

Candidate Starts for Zolita_9:

(Start: 76 @8017 has 71 MA's), (156, 8152), (173, 8185), (177, 8200), (179, 8206), (185, 8233), (229, 8374), (244, 8401), (278, 8479), (344, 8560), (394, 8623), (395, 8626), (398, 8632), (399, 8635), (426, 8707), (434, 8740), (440, 8761), (448, 8791), (545, 9052), (558, 9106), (563, 9124), (580, 9163), (613, 9280), (620, 9310), (645, 9355), (652, 9364),

Gene: Zulu_16 Start: 9264, Stop: 10730, Start Num: 74

Candidate Starts for Zulu_16:

(Start: 74 @9264 has 580 MA's), (94, 9285), (121, 9324), (152, 9411), (157, 9423), (160, 9429), (265, 9711), (288, 9765), (408, 9924), (426, 9975), (432, 10002), (434, 10008), (440, 10029), (491, 10131), (521, 10242), (564, 10395), (569, 10410), (575, 10422), (580, 10431), (594, 10497), (604, 10518), (613, 10548), (620, 10578), (633, 10608),

Gene: phiCAM_07 Start: 4309, Stop: 5625, Start Num: 149

Candidate Starts for phiCAM_07:

(80, 4159), (84, 4165), (Start: 102 @4192 has 236 MA's), (Start: 149 @4309 has 2 MA's), (172, 4357), (175, 4369), (263, 4612), (319, 4699), (353, 4759), (369, 4777), (373, 4783), (423, 4882), (443, 4957), (448, 4975), (470, 5014), (483, 5050), (511, 5152), (558, 5314), (563, 5332), (567, 5344), (585, 5389), (609, 5479), (622, 5521),

Gene: phiHau3_9 Start: 4031, Stop: 5515, Start Num: 102

Candidate Starts for phiHau3_9:

(Start: 102 @4031 has 236 MA's), (Start: 149 @4148 has 2 MA's), (172, 4196), (306, 4523), (326, 4556), (369, 4616), (419, 4709), (423, 4721), (443, 4796), (448, 4814), (452, 4826), (454, 4832), (491, 4958), (509, 5030), (511, 5036), (538, 5123), (557, 5195), (582, 5258), (585, 5273), (609, 5363), (622, 5405), (670, 5477),

Gene: phiSASD1_23 Start: 2181, Stop: 3668, Start Num: 100

Candidate Starts for phiSASD1_23:

(Start: 100 @2181 has 1 MA's), (125, 2232), (126, 2235), (131, 2250), (182, 2385), (185, 2400), (187, 2409), (193, 2424), (209, 2463), (214, 2490), (220, 2508), (246, 2571), (262, 2601), (398, 2844), (399, 2847), (402, 2853), (423, 2904), (426, 2913), (453, 3012), (483, 3063), (491, 3090), (511, 3168), (513, 3174), (535, 3228), (618, 3528), (620, 3534), (633, 3564), (646, 3585), (670, 3627),