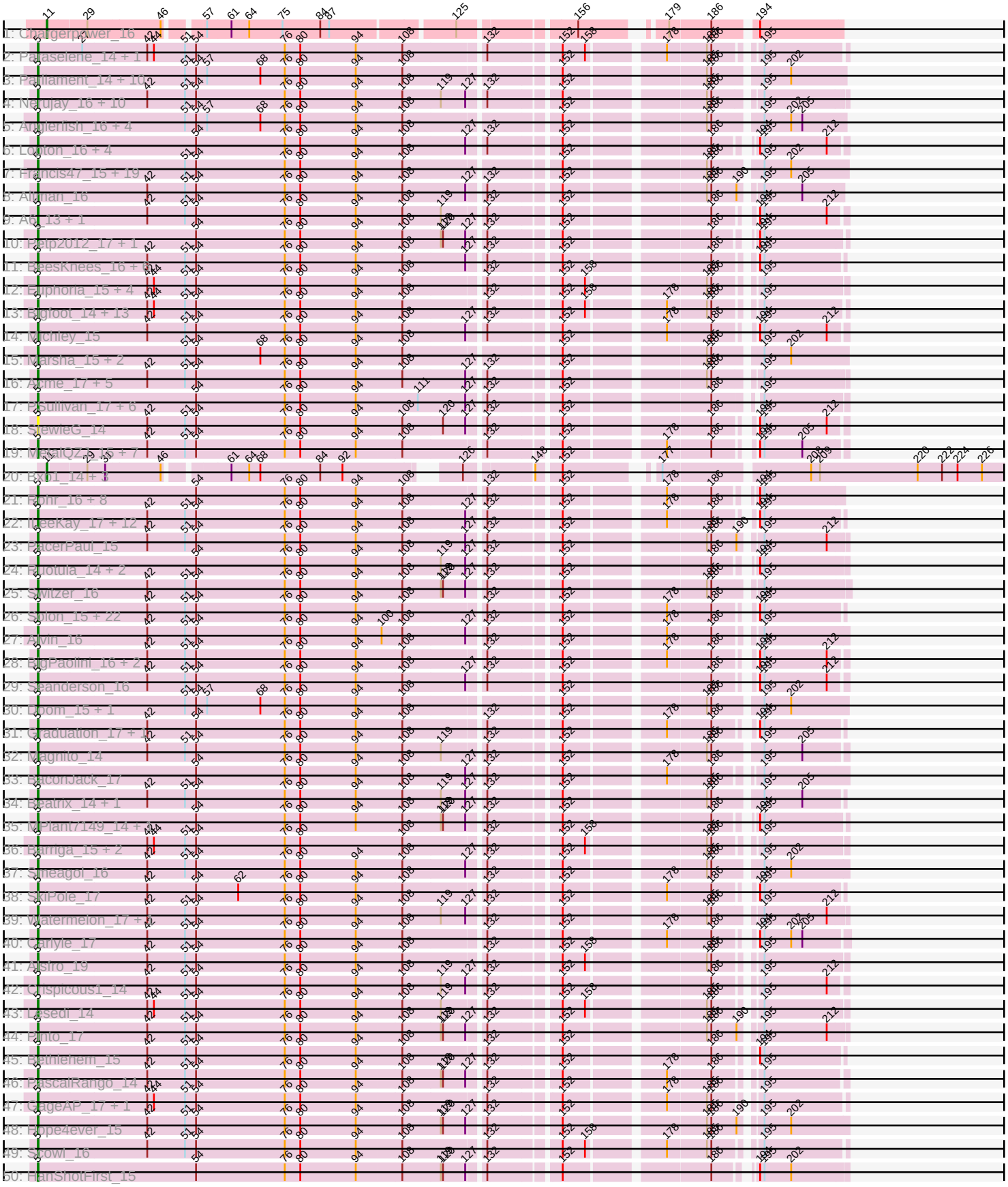
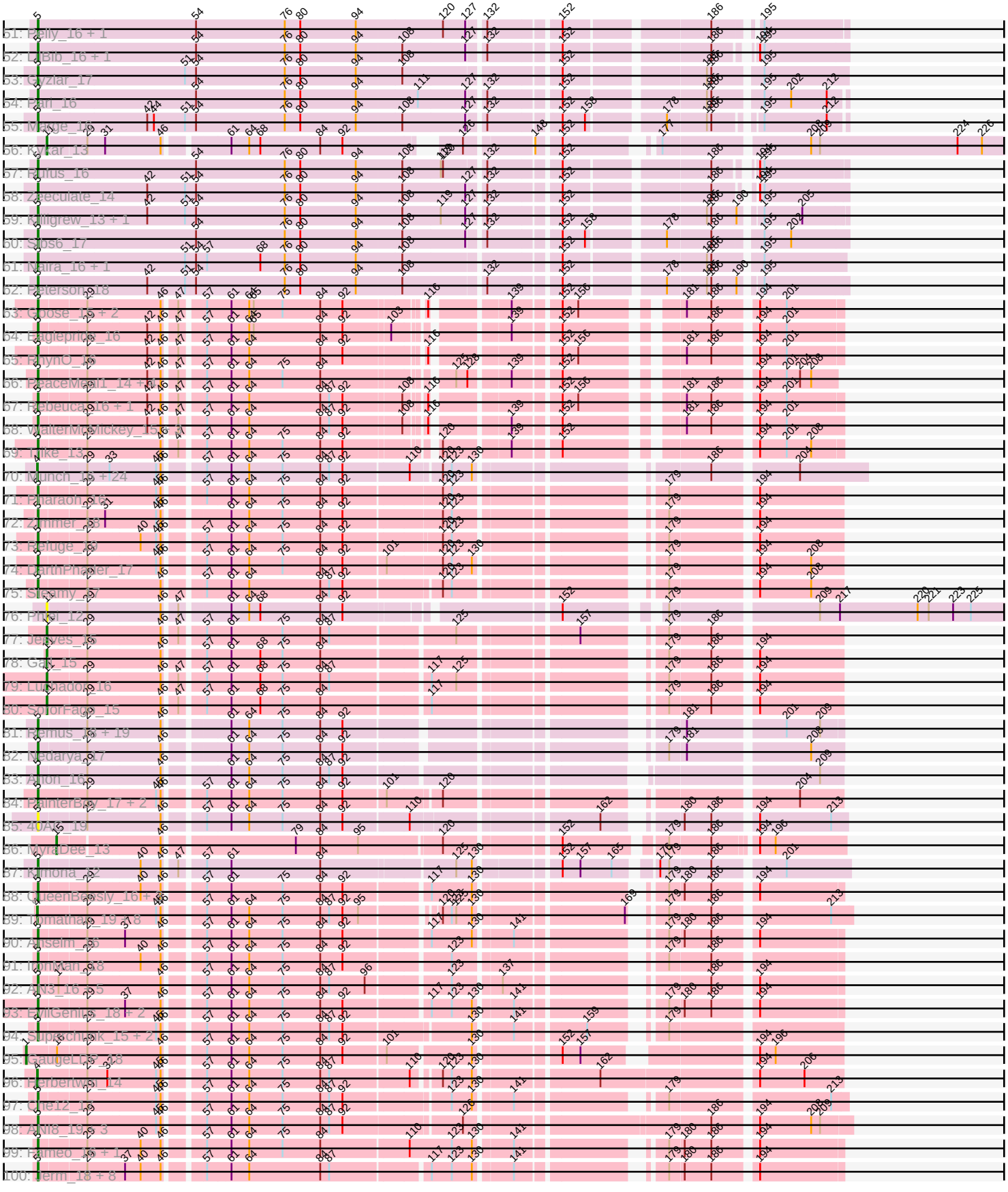
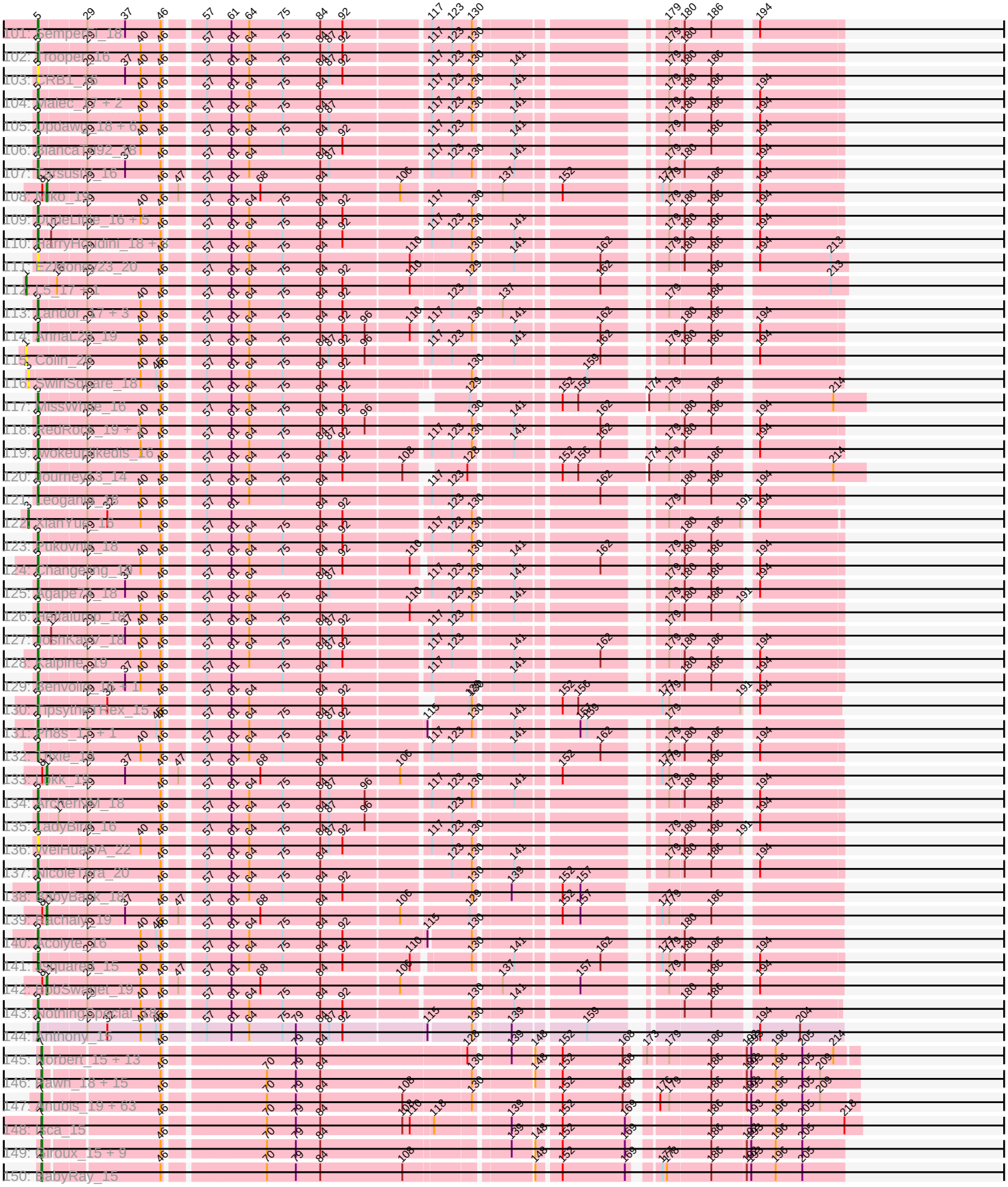
Pham 167855



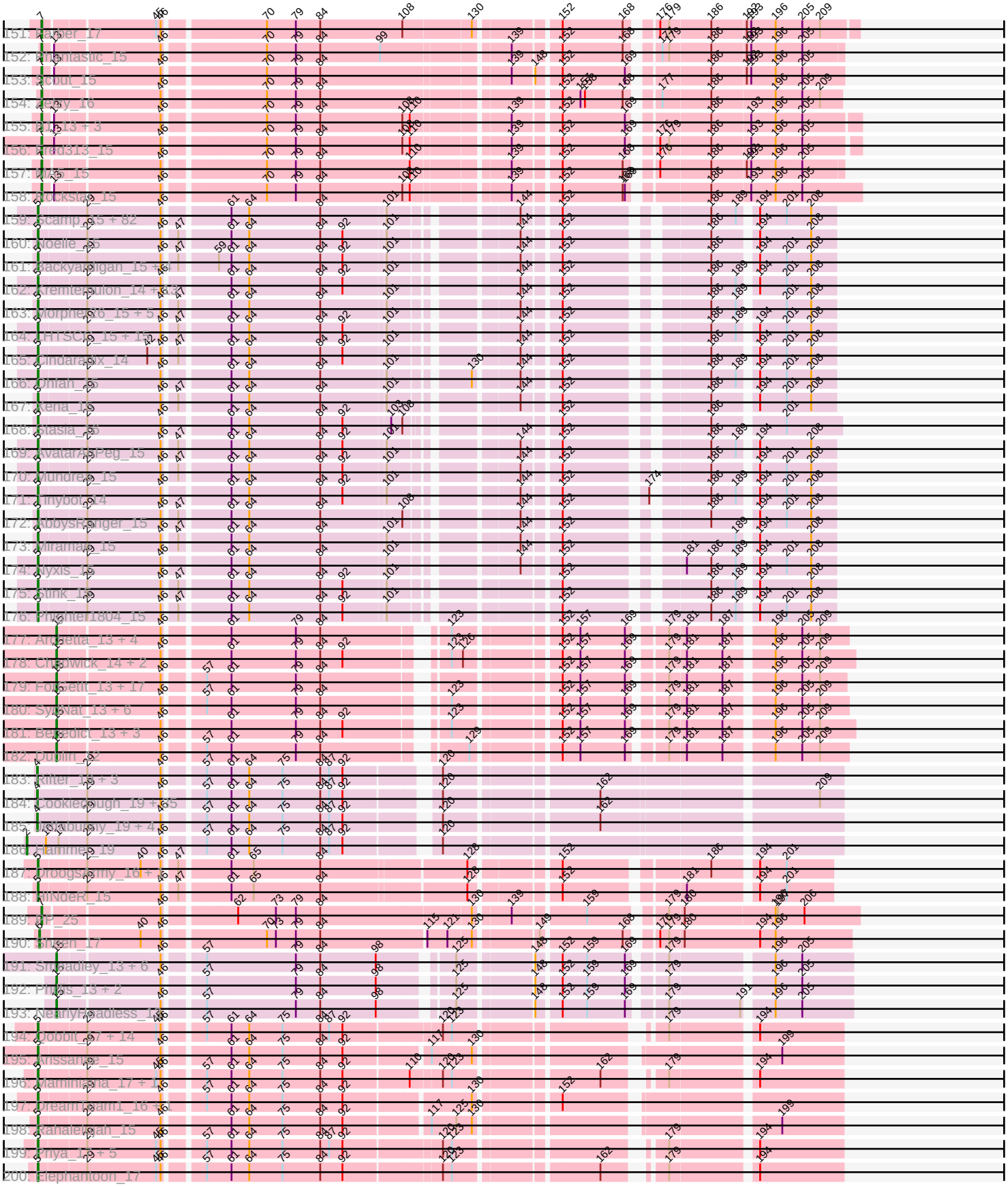
Pham 167855



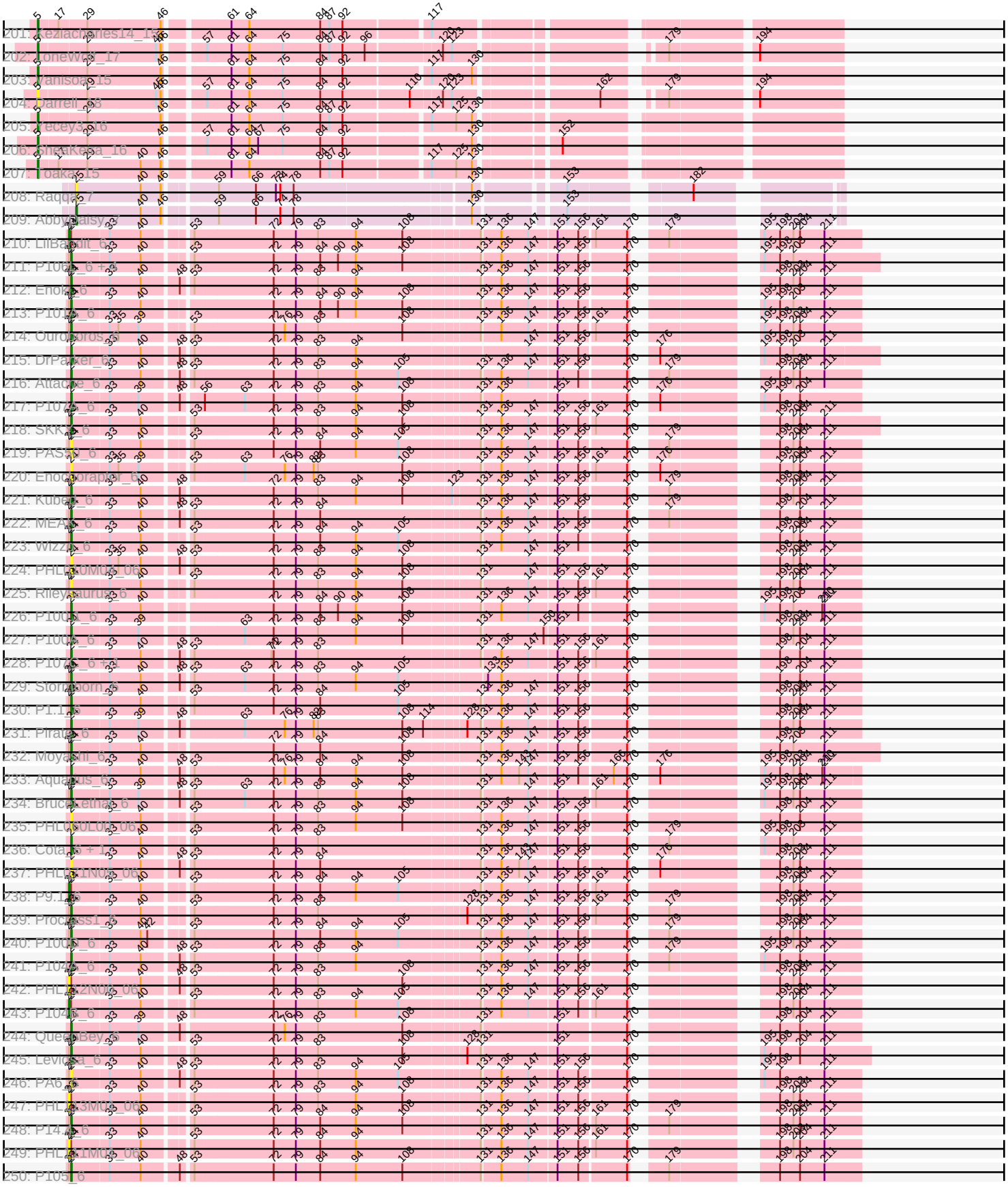
Pham 167855



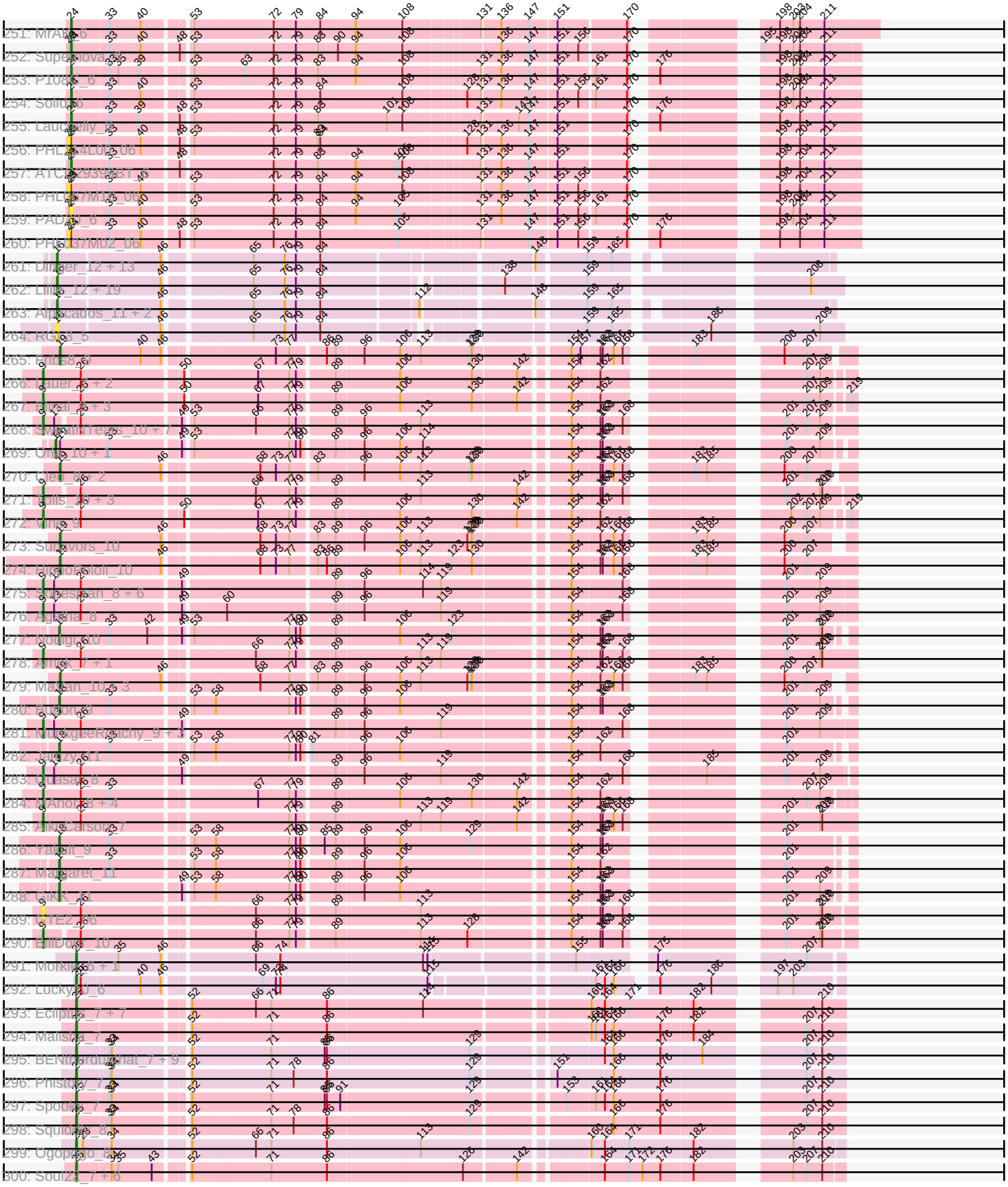
Pham 167855



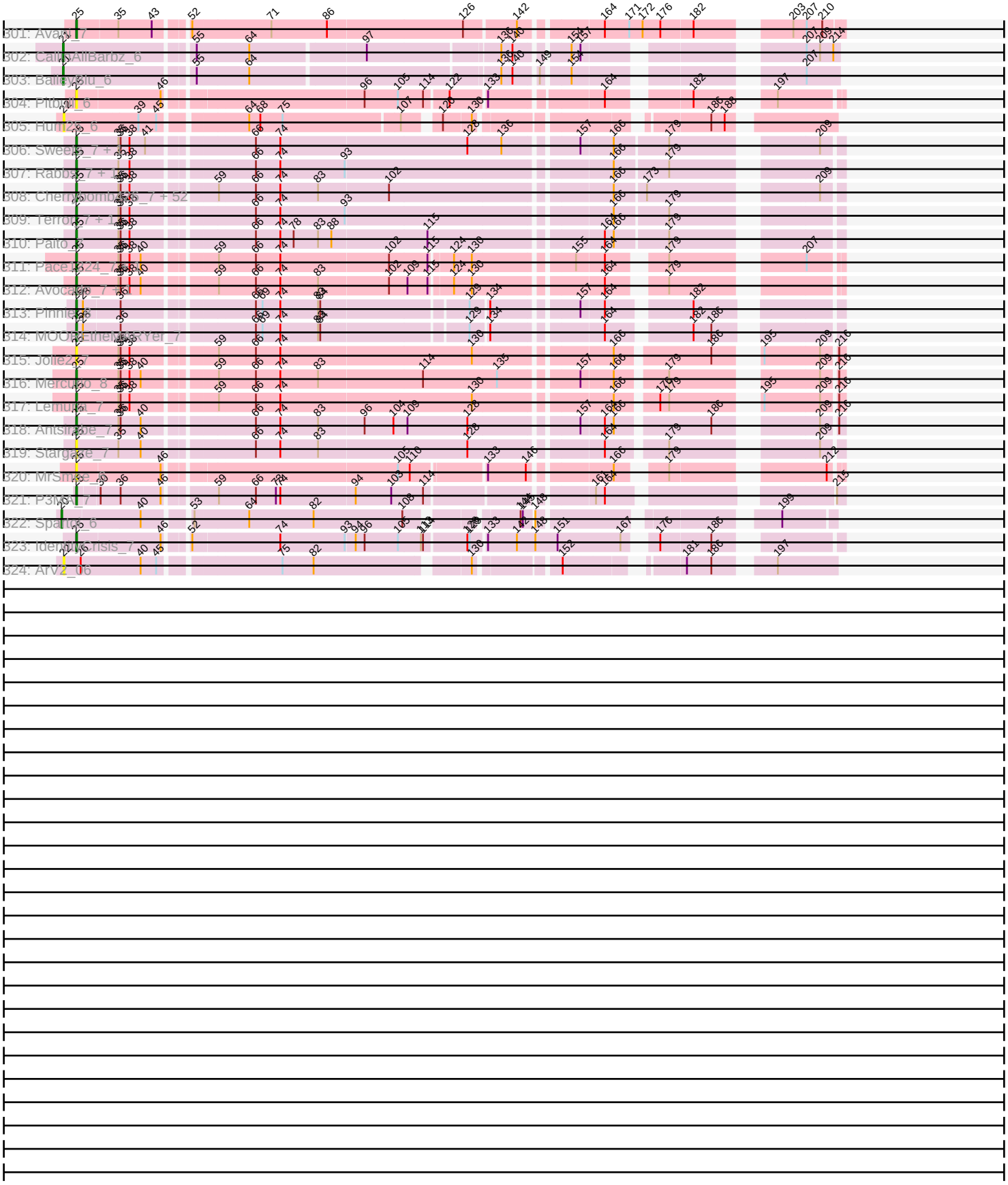
Pham 167855



Pham 167855



Pham 167855



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 167855 Report

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

Pham number 167855 has 1069 members, 85 are drafts.

Phages represented in each track:
• Track 1 : Chargerpower_16
• Track 2 : Paraselene_14, JackSparrow_16
• Track 3 : Parliament_14, Squee_16, Corvo_15, Dussy_16, Kenmech_18, Abbyshoes_16, DrFeelGood_14, ShortQueendom_14, Marcell_15, Licorice_17, Wheeler_15
• Track 4 : Nerujay_16, Jasper_16, Makemake_15, Ringer_15, Espresso_15, Homines_15, Dreamboat_16, Abrogate_160, Tasp14_16, Rubeus_16, Sagefire_16
• Track 5 : Anglerfish_16, Agaliana_15, Zephyr_15, DreamCatcher_18, U2_15
• Track 6 : Lopton_16, Molly_16, Magnar_15, Maroc7_14, TwoPeat_16
• Track 7 : Francis47_15, Bircsak_15, Papez_17, Gompeii16_15, Thor_15, RidgeCB_15, StrongArm_14, Monet_17, Edtherson_16, Arcanine_16, Treddle_17, Rajelicia_15, Ajay_15, KBG_16, Bexan_14, Tripl3t_16, STLscum_16, Smairt_16, SarFire_15, Nhonho_15
• Track 8 : Altman_16
• Track 9 : A6_13, BK1_13
• Track 10 : Petp2012_17, Slagathor_16
• Track 11 : BeesKnees_16, Snazzy_13, Froghopper_16, Hermia_17, Petruchio_15, Traft412_17, JC27_17
• Track 12 : Euphoria_15, Bruns_14, GrecoEtereo_16, Mule_15, HarryOW_16
• Track 13 : Bigfoot_14, Sorpresa_14, Topgun_15, Mryolo_14, Cueylyss_15, Hami1_17, Payneful_14, Wilkins_15, Sandaddy_14, Teodoridan_13, Bones_15, Marchy_13, Violet_14, CactusRose_14
• Track 14 : Michley_15
• Track 15 : Marsha_15, TheloniousMonk_17, Buttons_16
• Track 16 : Acme_17, Pippin_17, Ciao_15, Ichabod_16, KSSJEB_15, Seabiscuit_17
• Track 17 : PSullivan_17, Pepe_16, Tote_17, JuliaChild_17, Swole_17, Arlo_14, Pita2_17
• Track 18 : StewieG_14
• Track 19 : MetalQZJ_15, MaryBeth_15, Blue_15, PherrisBueller_16, AFIS_15, Paphu_14, Manatee_16, PinkPlastic_14
• Track 20 : Bxb1_14, Kugel_16, BillKnuckles_16, Target_17
• Track 21 : Rohr_16, PattyP_17, BigMau_17, Burton_16, BPBiebs31_16, Museum_17, Rutherferd_17, HermioneGrange_15, Jerm2_16
• Track 22 : ILeeKay_17, Dynamix_16, Adahisdi_16, Eyeball_15, Zeuska_16, Jorgensen_15, Big3_15, McGuire_16, Applejack_15, KyMonks1A_17, Kanely_16, Sunshine924_14, Oogway_14
• Track 23 : PacerPaul_15

• Track 24 : Ruotula_14, Dexes_16, Gwendoluna_17
• Track 25 : Switzer_16
• Track 26 : Solon_15, Moose_14, Niza_17, NEHalo_15, Gandalf20_16, Forsytheast_14, DD5_16, PhrostyMug_15, Lockley_15, Fajezeel_17, Aeneas_17, Perseus_16, BluSpix_15, Sanya_14, Ashballer_14, IgnatiusPatJac_14, Turj99_14, Lamina13_15, Sumter_14, Dulcie_14, Greg_17, SwissCheese_15, Norz_17
• Track 27 : Alvin_16
• Track 28 : BigPaolini_16, Chanagan_14, MrGordo_15
• Track 29 : Seanderson_16
• Track 30 : Doom_15, Briton15_17
• Track 31 : Graduation_17, Atkinbua_16
• Track 32 : Magnito_14
• Track 33 : BaconJack_17
• Track 34 : Beatrix_14, Fushigi_16
• Track 35 : MPlant7149_14, Bob3_14
• Track 36 : Barriga_15, Rhynn_15, Trouble_15
• Track 37 : Smeagol_16
• Track 38 : SkiPole_17
• Track 39 : Watermelon_17, QTRlifeCrisis_15
• Track 40 : Carlyle_17
• Track 41 : Alsfro_19
• Track 42 : Crispicous1_14
• Track 43 : Lesedi_14
• Track 44 : Pinto_17
• Track 45 : Bethlehem_15
• Track 46 : PascalRango_14
• Track 47 : GageAP_17, SpikeBT_17
• Track 48 : Hope4ever_15
• Track 49 : Scowl_16
• Track 50 : HanShotFirst_15
• Track 51 : Pelly_16, Ohno789_15
• Track 52 : LilBib_16, Fascinus_14
• Track 53 : Gyzlar_17
• Track 54 : Pari_16
• Track 55 : Marge_16
• Track 56 : Kykar_13
• Track 57 : Rufus_16
• Track 58 : Zeeculate_14
• Track 59 : Killigrew_13, ConceptII_15
• Track 60 : Sibs6_17
• Track 61 : Naira_16, Fenn_16
• Track 62 : Peterson_18
• Track 63 : Goose_15, Chupacabra_15, OKCentral2016_15
• Track 64 : Eaglepride_16
• Track 65 : RhynO_16
• Track 66 : PeaceMeal1_14, Severus_14, Drake94_14, KittenMittens_14, Poompha_14
• Track 67 : Rebeuca_16, Kristoff_16
• Track 68 : WalterMcMickey_15, Twister_15, Topanga_15, Edison31_15
• Track 69 : Trike_13
• Track 70 : Munch_16, Salz_16, Lucivia_16, Hutc2_16, Orange_16, MaCh_16, Insomnia_16, Mulciber_16, TinyTimmy_15, Et2Brutus_15, Flaverint_16, Gilberta_16, Bowtie_16, Sham4_16, Bachome_16, Petersenfast_15, Ebony_16, Fibonacci_16,

Mabel_16, Jabith_16, Timothy_16, Aneem_16, Bud_16, Joselito_16, Snape_16
• Track 71 : Pharaoh_16
• Track 72 : Zimmer_18
• Track 73 : Refuge_19
• Track 74 : DarthPhader_17
• Track 75 : Steamy_17
• Track 76 : Phlei_12
• Track 77 : Jeeves_15
• Track 78 : Gail_15
• Track 79 : Luchador_16
• Track 80 : SororFago_15
• Track 81 : Remus_18, MinecraftSteve_19, Switzerland_18, LastResort_18, JSwag_18, ShayRa_19, Rosalind_18, KatherineG_18, DekHockey33_18, Soups_18, Oofda_19, Battleship_19, Nebulosus_18, ReMo_18, Looper_19, Epsocamisio_18, Waits_18, Anaysia_18, Strosahl_18, Boohoo_18
• Track 82 : Nedarya_17
• Track 83 : Anon_16
• Track 84 : PainterBoy_17, Lucyedi_17, EagleEye_18
• Track 85 : 40AC_19
• Track 86 : MyraDee_13
• Track 87 : Kimona_12
• Track 88 : QueenBeesly_16, Georgie2_17, Power_16, FiringLine_16
• Track 89 : Tomathan_19, D29_17, DBQu4n_19, Duplo_19, Kerberos_19, D32_19, StarStuff_19, Naji_19, Pomar16_19
• Track 90 : Anselm_16
• Track 91 : IronMan_18
• Track 92 : AN3_16, VA6_16, Deloris_17, BengiVuitton_17, First_0016, 20ES_16
• Track 93 : EvilGenius_18, KingCyrus_18, ChipMunk_18
• Track 94 : Superchunk_15, Caraxes_15, Odin_15
• Track 95 : GaugeLDP_18
• Track 96 : Herbertwm_14
• Track 97 : Che12_17
• Track 98 : ANI8_19, AN9_19, C3_14, VC3_19
• Track 99 : Fameo_16, QueenB2_16
• Track 100 : Jerm_18, Dignity_18, AbbyPaige_18, Whabigail7_18, Bugsy_18, Smeagan_18, Leviathan_18, LilTurb_18, Turbido_18
• Track 101 : SemperFi_18
• Track 102 : Trooper_16
• Track 103 : CRB1_16
• Track 104 : Malec_17, Serenity_15, Larenn_17
• Track 105 : Updawg_18, NaSiaTalie_16, Flare16_16, Equemioh13_18, MiculUcigas_16, Centaur_18, WideWale_18
• Track 106 : BiancaTri92_18
• Track 107 : TarsusIV_16
• Track 108 : Miko_19
• Track 109 : DudeLittle_16, SweetiePie_16, Retro23_16, Dalmatian_16, SnapTap_16, Crucio_16
• Track 110 : HarryHoudini_18, Drake55_18, Baehexic_17, Piro94_17
• Track 111 : EZMoney23_20
• Track 112 : L5_17, Koduck_16
• Track 113 : Landor_17, Bactobuster_17, Jaan_19, Phaded_19
• Track 114 : AnnaL29_19
• Track 115 : Colin_20

• Track 116 : SwirlSquare_18
• Track 117 : MissWhite_16
• Track 118 : RedRock_19, Loser_19
• Track 119 : Iwokeuplikedis_16
• Track 120 : Journey13_14
• Track 121 : Leogania_18
• Track 122 : XianYue_16
• Track 123 : Pukovnik_18
• Track 124 : Changeling_19
• Track 125 : Agape74_18
• Track 126 : Heffalump_18
• Track 127 : JoshKayV_18
• Track 128 : Kalpine_19
• Track 129 : Benvolio_16, Echild_16
• Track 130 : TipsytheTRex_15
• Track 131 : Ph8s_17, Adzzy_17
• Track 132 : Trixie_19
• Track 133 : Lokk_19
• Track 134 : ArcherNM_18
• Track 135 : LadyBird_16
• Track 136 : WeiHuaDA_22
• Track 137 : NicoleTera_20
• Track 138 : BabyBack_18
• Track 139 : Rachaly_19
• Track 140 : Acolyte_16
• Track 141 : Jsquared_15
• Track 142 : BobSwaget_19
• Track 143 : NothingSpecial_18
• Track 144 : Anthony_15
• Track 145 : Norbert_15, Popcicle_16, Noella_16, Panamaxus_16, Caviar_16, Pocahontas_16, Todacoro_16, Hookmount_16, ResDef_16, Texage_15, Veracruz_15, Margo_16, Lambert1_16, QuinnKiro_15
• Track 146 : Pawn_18, Kalnoky_18, Heliosoles_17, HaveUMetTed_18, OlanP_17, Gemma_17, Reba_18, Manu_18, Kalb97_18, PhishRPhriends_16, Phranny_18, ACFishhook_17, PurpleHaze_17, JeppNRM_18, Groupthink_18, Marius_18
• Track 147 : Anubis_19, Stagni_17, Rummer_17, LugYA_19, JenCasNa_17, LarryKay_17, DaHudson_17, Wooldri_19, Daishi_16, Malinsilva_19, Spike509_17, Hercules11_17, P28Green_17, SoYo_17, MadMarie_17, Grub_17, Cullens_17, KADY_18, MoneyMay_17, Marie_17, HashRod_18, Sabinator_17, Bxz2_17, Phoebe_17, Misomonster_19, StepMih_17, Ollie_17, PotatoSplit_18, SoilDragon_17, PGHhamlin_19, Microwolf_17, AgronaGT15_17, Vix_17, Dieselweasel_17, MuchMore_19, BuzzBuzz_16, Colbster_17, Methuselah_17, GingkoMaracino_17, Louie6_17, Grum1_17, Taurus_17, LBerry_17, JHC117_17, GtownJaz_17, Soshari_19, Grif_17, Tiffany_17, Beauxregard13_17, Penny1_17, Mainiac_17, Pembroke_17, Phoxy_17, Aglet_17, MarQuardt_17, Watson_17, AugsMagnumOpus_19, Fernando_17, Sabia_17, Lilith_17, BreSam8_17, EpicPhail_17, Snickers_17, Jobu08_17
• Track 148 : Isca_15
• Track 149 : Giroux_15, Bugatti_15, TNguyen7_15, Puppy_16, HelDan_15, Idleandcovert_15, Pistachio_16, Heathen_15, BlueBird_16, SaturnRing_15
• Track 150 : BabyRay_15
• Track 151 : Farber_17
• Track 152 : Phantastic_15

• Track 153 : Scout_15
• Track 154 : Zetzy_16
• Track 155 : B1_13, MK4_15, JF4_15, JF2_15
• Track 156 : Fred313_15
• Track 157 : MA5_15
• Track 158 : Rockstar_15
• Track 159 : Scamp_15, Baby16_15, BubbleTrouble_15, Spino_15, Roosevelt_15, Eurydice_15, Taquarus_15, Pipcraft_15, Maverick_15, Cocoaberry_15, Albee_15, NorthStar_15, Eagle_14, Commander_15, BellusTerra_15, Chaph_15, Connomayer_15, JetBlade_15, KFPoly_15, Kampy_15, Sabertooth_15, Phacado_15, Funston_15, Wizard007_15, Alberto7_16, Annyong_15, LeoAvram_15, Florean_15, MeeZee_15, Nemo27_15, Romney_15, Polymorphads_15, Gadost_15, Dhanush_15, Medusa_15, HamSlice_14, Bartimeaus_15, Blackmoor_15, Morrow_15, Bruiser_15, Arturo_14, Clarenza_15, Houdini22_15, Flux_15, YoSam321_15, Palestino_15, Sparxx_15, TiroTheta9_15, NotAPhaseMom_15, Citius_15, Kyee_15, Melvin_15, Koreni_14, Ruin_15, LappelDuVide_14, TygerBlood_15, PeterPeter_15, Wilbur_15, Bombshell_15, Eapen_15, Shygu2_15, Burger_14, Abdiel_15, Eris_15, Caelakin_15, Broseidon_15, Druantia_15, JoongJeon_15, Maxo_15, Holli_15, Relief_15, CentreCat_15, Millski_15, TinaFeyge_15, Jaykayelowell_15, Lorenzo_15, Kingmustik0402_15, Nebs_15, Wander_15, Phelipe_15, TroyPia_15, Avle17_15, Skipitt_15
• Track 160 : Noelle_15
• Track 161 : Backyardigan_15, Badger_15, Datway_15, Wile_15, Achebe_15
• Track 162 : Kremtemulon_14, Ulysses_14, Shaka_15, LittleGuy_15, Camperdownii_14, LittleB_15, Pumbaa_15, LochMonster_15, Mazhar510_15, Cintron_15, Kratark_15, Thanksgivukkah_15, DirtyDunning_15, Eros_15
• Track 163 : Morpher26_15, Bumblebee11_15, Cici_15, PetiteSangsue_15, Perplexer_15, Katalie136_15
• Track 164 : LHTSCC_15, ChampagnePapi_15, Iceman_15, Obama12_15, Deano_15, ICleared_15, BangNhom_14, Cerulean_15, Lunsford_16, Lemur_15, Happiness_15, Peaches_15, Iracema64_15, Phontbonne_15, OKaNui_15, SheldonCooper_15
• Track 165 : Cindaradix_14
• Track 166 : Ohfah_15
• Track 167 : Xena_15
• Track 168 : Stasia_16
• Track 169 : AvatarAhPeg_15
• Track 170 : Mundrea_15
• Track 171 : Tinybot_14
• Track 172 : AbbysRanger_15
• Track 173 : Miramae_15
• Track 174 : Nyxis_15
• Track 175 : Stink_15
• Track 176 : Phighter1804_15
• Track 177 : Archetta_13, Lev2_13, UnionJack_13, ElTiger69_13, PickleBack_13
• Track 178 : Chadwick_14, PetterN_14, Naca_13
• Track 179 : ForGetIt_13, HuhtaEnerson15_13, Tiger_13, Theia_12, Jovo_13, Cuco_13, Tarynearal_12, Midas2_13, Milcery_13, Swirley_13, MarysWell_12, Coog_13, George_12, Discoknowium_13, LittleCherry_13, Bonamassa_13, Micasa_12, Conspiracy_13
• Track 180 : SydNat_13, Phlorence_13, Bluefalcon_12, Aragog_13, Ghoulboy_13, AgentM_13, Zolita_12
• Track 181 : Benedict_13, Jabiru_13, Scorpia_14, Airmid_13

• Track 182 : Dublin_12
• Track 183 : Rifter_19, Gladiator_19, Blue7_19, Gruunaga_19
• Track 184 : Cookiedough_19, Isiphiwo_19, Wiks_19, JewelBug_19, CloudWang3_19, McFly_19, Pmask_19, VohminGhazi_19, Jordennis_19, SmellyB_19, Hoot_19, Neeharika16_19, Newrala_19, Dorothea_18, Chartreuse_19, DaVinci_19, Helmet_20, Candra_19, Roksolana_19, Kipper29_19, ToneTone_18, Priamo_19, WunderPhul_19, Yokurt_19, EricB_19, BABullseye_19, Kazan_19, Indra_19, Hexamo_19, Zulu_19, Lilbunny_18, Zaka_19, SuperAwesome_19, GreedyLawyer_19, Artemis2UCLA_19, Garak_20
• Track 185 : Jeffabunny_19, Koko_19, Tucker_19, Blinn1_19, SuperCallie99_19
• Track 186 : Hammer_19
• Track 187 : DroogsArmy_16, Timshel_16
• Track 188 : HINdeR_15
• Track 189 : PP_25
• Track 190 : Sheen_17
• Track 191 : Smeadley_13, Danforth_12, Roary_13, Expelliarmus_12, Groundhog_12, Astro_13, Dixon_13
• Track 192 : Phillis_13, Saintus_13, Stephig9_13
• Track 193 : NearlyHeadless_13
• Track 194 : Qobbit_17, Phaeder_17, ExplosioNervosa_17, Aliter_17, Ugenie5_14, Scherzo_17, Fayely_17, Phonnegut_17, Tubs_17, Pioneer_17, HortumSL17_17, Conquerage_17, Beemo_17, Myxus_17, PackMan_17
• Track 195 : Arissanae_15
• Track 196 : Maminiaina_17, BogosyJay_17
• Track 197 : DreamTeam1_16, Charm_16
• Track 198 : Rahalelujah_15
• Track 199 : Priya_17, EmyBug_17, Eidsmoe_17, Alma_17, Catalina_17, Spouty_16
• Track 200 : Elephantoon_17
• Track 201 : Keziacharles14_15
• Track 202 : LoneWolf_17
• Track 203 : Vanisoa_15
• Track 204 : Darrell_18
• Track 205 : Yecey3_16
• Track 206 : SheaKeira_16
• Track 207 : Toaka_15
• Track 208 : Raqqa_7
• Track 209 : AbbyDaisy_7
• Track 210 : LilBandit_6
• Track 211 : P106L_6, P106I_6, P106M_6, P106A_6, P106C_6
• Track 212 : Enoki_6
• Track 213 : P101A_6
• Track 214 : Ouroboros_6
• Track 215 : DrParker_6
• Track 216 : Attacne_6
• Track 217 : P107A_6
• Track 218 : SKKY_6
• Track 219 : PAS50_6
• Track 220 : Enochoraptor_6
• Track 221 : Kubed_6
• Track 222 : MEAK_6
• Track 223 : Wizzo_6
• Track 224 : PHL010M04_06
• Track 225 : Rileysaurus_6

• Track 226 : P100.1_6
• Track 227 : P100A_6
• Track 228 : P107C_6, ATCC29399BC_6
• Track 229 : Stormborn_6
• Track 230 : P1.1_6
• Track 231 : Pirate_6
• Track 232 : Moyashi_6
• Track 233 : Aquarius_6
• Track 234 : BruceLethal_6
• Track 235 : PHL060L00_06
• Track 236 : Cota_6, Keiki_6
• Track 237 : PHL071N05_06
• Track 238 : P9.1_6
• Track 239 : Procrass1_6
• Track 240 : P100D_6
• Track 241 : P104A_6
• Track 242 : PHL112N00_06
• Track 243 : P104B_6
• Track 244 : QueenBey_6
• Track 245 : Leviosa_6
• Track 246 : PA6_6
• Track 247 : PHL113M01_06
• Track 248 : P14.4_6
• Track 249 : PHL111M01_06
• Track 250 : P105_6
• Track 251 : MrAK_6
• Track 252 : Supernova_6
• Track 253 : P108C_6
• Track 254 : Solid_6
• Track 255 : Lauchelly_6
• Track 256 : PHL114L00_06
• Track 257 : ATCC29399BT_6
• Track 258 : PHL067M10_06
• Track 259 : PAD20_6
• Track 260 : PHL037M02_06
• Track 261 : Dinger_12, Rasputin_12, AngryOrchard_11, AppleCloud_10, Harlequin_12, BobbyDazzler_12, Krishelle_12, Yoncess_12, Partridge_12, Bryce_12, Takoda_12, PhailMary_11, Jester_12, Hiro_12
• Track 262 : Lillie_12, Belenaria_12, RER2_5, Shuman_12, Bradshaw_12, Rhodalysa_12, Swann_12, Erik_12, Gollum_12, Nancinator_12, TWAMP_12, Espica_12, CosmicSans_12, UhSalsa_12, Alatin_12, RexFury_12, Naiad_12, StCroix_12, Natosaleda_12, Phrankenstein_12
• Track 263 : Alpacados_11, Bonanza_12, Yogi_12
• Track 264 : RGL3_5
• Track 265 : Fribs8_9
• Track 266 : Lauer_7, Feastonyeet_7, BigChungus_7
• Track 267 : Elinal_9, SummitAcademy_7, PotPie_8, KayGee_7
• Track 268 : SweatNTears_10, Buttrmlkdreams_8, Horseradish_9, MScarn_10, SketchMex_7, Biskit_9, Troje_8, Yummy_9
• Track 269 : Orla_10, Hexbug_10
• Track 270 : Cleo_8, Gibbous_8, Dre3_8
• Track 271 : Tolls_10, SteamedHams_10, AndPeggy_7, Yarn_7
• Track 272 : Vine_9

• Track 273 : Survivors_10
• Track 274 : HippoPololi_10
• Track 275 : Sopespian_8, Cozz_8, RedBaron_9, Eliott_8, Nina_9, PsychoKiller_8, Axym_8
• Track 276 : Agatha_8
• Track 277 : Nodigi_10
• Track 278 : Amok_7, Emalyn_7
• Track 279 : MaVan_10, Azira_10, Zareef_12, Nibbles_10
• Track 280 : Button_9
• Track 281 : MunkgeeRoachy_9, Burnsey_8, GoldHunter_9, Typhonomachy_9
• Track 282 : Jamzy_11
• Track 283 : Quasar_8
• Track 284 : MAnor_8, Pons_8, SheckWes_7, CherryonLim_9, Mayweather_9
• Track 285 : AikoCarson_7
• Track 286 : Yakult_9
• Track 287 : Margaret_11
• Track 288 : GiKK_11
• Track 289 : GTE2_06
• Track 290 : BillDoor_10
• Track 291 : Morkie_6, PhorbesPhlower_6
• Track 292 : Lucky10_6
• Track 293 : Ecliptus_7, Holliday_7, LitninMcQueen_7, Kamaru_7, CheeseTouch_7, ODay_7, Budski_7, Phabuloso_7
• Track 294 : Malisha_7
• Track 295 : BENtherdunthat_7, Kenna_7, Asapag_7, Getalong_7, Periwinkle_7, Whitney_7, Horus_7, Leroy_7, Lutum_7, Frickyeah_7
• Track 296 : Phistory_7
• Track 297 : Spooky_7
• Track 298 : Squiddly_8
• Track 299 : Ogopogo_8
• Track 300 : Soul22_7, Yoshi_7, Demsculpinboyz_7, Blarby_8, Zapner_8, Jabbawokkie_8, Che9d_7
• Track 301 : Avani_7
• Track 302 : CallinAllBarbz_6
• Track 303 : BaileyBlu_6
• Track 304 : Pitbull_6
• Track 305 : Hum25_6
• Track 306 : Sweets_7, Halo_7
• Track 307 : Rabbs_7, Sneeze_7
• Track 308 : Cherrybomb426_7, BruceB_7, Hope_7, Hotshotbaby7_7, Coleslaw_7, Grizzly_7, PinkYoshi_7, Liefie_7, DNAIII_007, Kasen3_7, Chance64_7, Gomashi_7, Barkley26_7, Sizemore_7, Peeb_7, Marmie_7, ECartman_7, Phish_7, Jane_7, DMoney_7, CLED96_7, Jonghyun_7, Renaissance_7, Remy19_7, Cedasite_7, Periodt_7, Darionha_7, Crespo_7, Mowgli_7, GoldenAsh_7, Schiebel_7, Frosty24_7, BPs_7, OctaviousRex_7, Camri_7, Zombie_7, Plagueis_7, CassieYates_7, Olga_7, BQuat_7, ShaboiShabazz_7, Aroostook_7, JorRay_7, LouisV14_7, Gideon_7, Jolene_7, Avrafan_7, TomBrady_7, Annihilator_7, ZoMa_7, Kareem_7, Angel_7, Phreak_7
• Track 309 : Terror_7, Taheera_7
• Track 310 : Paito_7
• Track 311 : Pace1224_7, FlagStaff_7
• Track 312 : Avocado_7, Cambiare_8
• Track 313 : Pinnie_8

• Track 314 : MOOREtheMARYer_7
• Track 315 : Jolie2_7
• Track 316 : Mercurio_8
• Track 317 : Lemuria_7
• Track 318 : Antsirabe_7
• Track 319 : Stargaze_7
• Track 320 : MrSmee_6
• Track 321 : P3MA_7
• Track 322 : Spartoi_6
• Track 323 : IdentityCrisis_7
• Track 324 : ArV2_06

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

The start number called the most often in the published annotations is 5, it was called in 499 of the 984 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 20ES_16, 40AC_19, A6_13, AFIS_15, AN3_16, AN9_19, ANI8_19, AbbyPaige_18, AbbysRanger_15, Abbyshoes_16, Abdiel_15, Abrogate_160, Achebe_15, Acme_17, Acolyte_16, Adahisdi_16, Adzzy_17, Aeneas_17, Agaliana_15, Agape74_18, Ajay_15, Albee_15, Alberto7_16, Aliter_17, Alma_17, Alsfro_19, Altman_16, Alvin_16, Anaysia_18, Anglerfish_16, AnnaL29_19, Annyong_15, Anon_16, Anselm_16, Anthony_15, Applejack_15, Arcanine_16, ArcherNM_18, Arissanae_15, Arlo_14, Arturo_14, Ashballer_14, Atkinbua_16, AvatarAhPeg_15, Avle17_15, BK1_13, BPBiebs31_16, Baby16_15, BabyBack_18, Backyardigan_15, BaconJack_17, Bactobuster_17, Badger_15, Baehexic_17, BangNhom_14, Barriga_15, Bartimeaus_15, Battleship_19, Beatrix_14, Beemo_17, BeesKnees_16, BellusTerra_15, BengiVuitton_17, Benvolio_16, Bethlehem_15, Bexan_14, BiancaTri92_18, Big3_15, BigMau_17, BigPaolini_16, Bigfoot_14, Bircsak_15, Blackmoor_15, BluSpix_15, Blue_15, Bob3_14, BogosyJay_17, Bombshell_15, Bones_15, Boohoo_18, Briton15_17, Broseidon_15, Bruiser_15, Bruns_14, BubbleTrouble_15, Bugsy_18, Bumblebee11_15, Burger_14, Burton_16, Buttons_16, C3_14, CRB1_16, CactusRose_14, Caelakin_15, Camperdownii_14, Caraxes_15, Carlyle_17, Catalina_17, Centaur_18, CentreCat_15, Cerulean_15, ChampagnePapi_15, Chanagan_14, Changeling_19, Chaph_15, Charm_16, Che12_17, ChipMunk_18, Chupacabra_15, Ciao_15, Cici_15, Cindaradix_14, Cintron_15, Citius_15, Clarenza_15, Cocoaberry_15, Commander_15, ConceptII_15, Connomayer_15, Conquerage_17, Corvo_15, Crispicous1_14, Crucio_16, Cueylyss_15, DD5_16, Dalmatian_16, Darrell_18, DarthPhader_17, Datway_15, Deano_15, DekHockey33_18, Deloris_17, Dexes_16, Dhanush_15, Dignity_18, DirtyDunning_15, Doom_15, DrFeelGood_14, Drake55_18, Drake94_14, DreamCatcher_18, DreamTeam1_16, Dreamboat_16, DroogsArmy_16, Druantia_15, DudeLittle_16, Dulcie_14, Dussy_16, Dynamix_16, EZMoney23_20, EagleEye_18, Eagle_14, Eaglepride_16, Eapen_15, Echild_16, Edison31_15, Edtherson_16, Eidsmoe_17, Elephantoon_17, EmyBug_17, Epsocamisio_18, Equemioh13_18, Eris_15, Eros_15, Espresso_15, Euphoria_15, Eurydice_15, EvilGenius_18, ExplosioNervosa_17, Eyeball_15, Fajezeel_17, Fameo_16, Fascinus_14, Fayely_17, Fenn_16, FiringLine_16, First_0016, Flare16_16, Florean_15, Flux_15, Forsytheast_14, Francis47_15, Froghopper_16, Funston_15, Fushigi_16, Gadost_15,

GageAP_17, Gandalf20_16, Georgie2_17, Gompeii16_15, Goose_15, Graduation_17, GrecoEtereo_16, Greg_17, Gwendoluna_17, Gyzlar_17, HINdeR_15, HamSlice_14, Hami1_17, HanShotFirst_15, Happiness_15, HarryHoudini_18, HarryOW_16, Heffalump_18, Hermia_17, HermioneGrange_15, Holli_15, Homines_15, Hope4ever_15, HortumSL17_17, Houdini22_15, ICleared_15, ILeeKay_17, Iceman_15, Ichabod_16, IgnatiusPatJac_14, Iracema64_15, IronMan_18, Iwokeuplikedis_16, JC27_17, JSwag_18, Jaan_19, JackSparrow_16, Jasper_16, Jaykayelowell_15, Jerm2_16, Jerm_18, JetBlade_15, JoongJeon_15, Jorgensen_15, JoshKayV_18, Journey13_14, Jsquared_15, JuliaChild_17, KBG_16, KFPoly_15, KSSJEB_15, Kalpine_19, Kampy_15, Kanely_16, Katalie136_15, KatherineG_18, Kenmech_18, Keziacharles14_15, Killigrew_13, Kimona_12, KingCyrus_18, Kingmustik0402_15, KittenMittens_14, Koreni_14, Kratark_15, Kremtemulon_14, Kristoff_16, KyMonks1A_17, Kyee_15, LHTSCC_15, LadyBird_16, Lamina13_15, Landor_17, LappelDuVide_14, Larenn_17, LastResort_18, Lemur_15, LeoAvram_15, Leogania_18, Lesedi_14, Leviathan_18, Licorice_17, LilBib_16, LilTurb_18, LittleB_15, LittleGuy_15, LochMonster_15, Lockley_15, LoneWolf_17, Looper_19, Lopton_16, Lorenzo_15, Loser_19, Lucyedi_17, Lunsford_16, MPlant7149_14, Magnar_15, Magnito_14, Makemake_15, Malec_17, Maminiaina_17, Manatee_16, Marcell_15, Marchy_13, Marge_16, Maroc7_14, Marsha_15, MaryBeth_15, Maverick_15, Maxo_15, Mazhar510_15, McGuire_16, Medusa_15, MeeZee_15, Melvin_15, MetalQZJ_15, Michley_15, MiculUcigas_16, Millski_15, MinecraftSteve_19, Miramae_15, MissWhite_16, Molly_16, Monet_17, Moose_14, Morpher26_15, Morrow_15, MrGordo_15, Mryolo_14, Mule_15, Mundrea_15, Museum_17, Myxus_17, NEHalo_15, NaSiaTalie_16, Naira_16, Nebs_15, Nebulosus_18, Nedarya_17, Nemo27_15, Nerujay_16, Nhonho_15, NicoleTera_20, Niza_17, Noelle_15, NorthStar_15, Norz_17, NotAPhaseMom_15, NothingSpecial_18, Nyxis_15, OKCentral2016_15, OKaNui_15, Obama12_15, Odin_15, Ohfah_15, Ohno789_15, Oofda_19, Oogway_14, PSullivan_17, PacerPaul_15, PackMan_17, PainterBoy_17, Palestino_15, Papez_17, Paphu_14, Paraselene_14, Pari_16, Parliament_14, PascalRango_14, PattyP_17, Payneful_14, PeaceMeal1_14, Peaches_15, Pelly_16, Pepe_16, Perplexer_15, Perseus_16, PeterPeter_15, Peterson_18, PetiteSangsue_15, Petp2012_17, Petruchio_15, Ph8s_17, Phacado_15, Phaded_19, Phaeder_17, Pharaoh_16, Phelipe_15, PherrisBueller_16, Phighter1804_15, Phonnegut_17, Phontbonne_15, PhrostyMug_15, PinkPlastic_14, Pinto_17, Pioneer_17, Pipcraft_15, Pippin_17, Piro94_17, Pita2_17, Polymorphads_15, Poompha_14, Power_16, Priya_17, Pukovnik_18, Pumbaa_15, QTRlifeCrisis_15, Qobbit_17, QueenB2_16, QueenBeesly_16, Rahalelujah_15, Rajelicia_15, ReMo_18, Rebeuca_16, RedRock_19, Refuge_19, Relief_15, Remus_18, Retro23_16, RhynO_16, Rhynn_15, RidgeCB_15, Ringer_15, Rohr_16, Romney_15, Roosevelt_15, Rosalind_18, Rubeus_16, Rufus_16, Ruin_15, Ruotula_14, Rutherferd_17, STLscum_16, Sabertooth_15, Sagefire_16, Sandaddy_14, Sanya_14, SarFire_15, Scamp_15, Scherzo_17, Scowl_16, Seabiscuit_17, Seanderson_16, SemperFi_18, Serenity_15, Severus_14, Shaka_15, ShayRa_19, SheaKeira_16, SheldonCooper_15, ShortQueendom_14, Shygu2_15, Sibs6_17, SkiPole_17, Skipitt_15, Slagathor_16, Smairt_16, Smeagan_18, Smeagol_16, SnapTap_16, Snazzy_13, Solon_15, Sorpresa_14, Soups_18, Sparxx_15, SpikeBT_17, Spino_15, Spouty_16, Squee_16, Stasia_16, Steamy_17, StewieG_14, Stink_15, StrongArm_14, Strosahl_18, Sumter_14, Sunshine924_14, Superchunk_15, SweetiePie_16, SwissCheese_15, Switzer_16, Switzerland_18, Swole_17, Taquarus_15, TarsusIV_16, Tasp14_16, Teodoridan_13, Thanksgivukkah_15, TheloniousMonk_17, Thor_15, Timshel_16, TinaFeyge_15, Tinybot_14, TipsytheTRex_15, TiroTheta9_15, Toaka_15, Topanga_15, Topgun_15, Tote_17, Traft412_17, Treddle_17, Trike_13, Tripl3t_16,

Trixie_19, Trooper_16, Trouble_15, TroyPia_15, Tubs_17, Turbido_18, Turj99_14, Twister_15, TwoPeat_16, TygerBlood_15, U2_15, Ugenie5_14, Ulysses_14, Updawg_18, VA6_16, VC3_19, Vanisoa_15, Violet_14, Waits_18, WalterMcMickey_15, Wander_15, Watermelon_17, WeiHuaDA_22, Whabigail7_18, Wheeler_15, WideWale_18, Wilbur_15, Wile_15, Wilkins_15, Wizard007_15, Xena_15, Yecey3_16, YoSam321_15, Zeeculate_14, Zephyr_15, Zeuska_16, Zimmer_18,

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

Genes that do not have the "Most Annotated" start:
• ACFishhook_17, ATCC29399BC_6, ATCC29399BT_6, AbbyDaisy_7, Agatha_8, AgentM_13, Aglet_17, AgronaGT15_17, AikoCarson_7, Airmid_13, Alatin_12, Alpacados_11, Amok_7, AndPeggy_7, Aneem_16, Angel_7, AngryOrchard_11, Annihilator_7, Antsirabe_7, Anubis_19, AppleCloud_10, Aquarius_6, ArV2_06, Aragog_13, Archetta_13, Aroostook_7, Artemis2UCLA_19, Asapag_7, Astro_13, Attacne_6, AugsMagnumOpus_19, Avani_7, Avocado_7, Avrafan_7, Axym_8, Azira_10, B1_13, BABullseye_19, BENtherdunthat_7, BPs_7, BQuat_7, BabyRay_15, Bachome_16, BaileyBlu_6, Barkley26_7, Beauxregard13_17, Belenaria_12, Benedict_13, BigChungus_7, BillDoor_10, BillKnuckles_16, Biskit_9, Blarby_8, Blinn1_19, Blue7_19, BlueBird_16, Bluefalcon_12, BobSwaget_19, BobbyDazzler_12, Bonamassa_13, Bonanza_12, Bowtie_16, Bradshaw_12, BreSam8_17, BruceB_7, BruceLethal_6, Bryce_12, Bud_16, Budski_7, Bugatti_15, Burnsey_8, Button_9, Buttrmlkdreams_8, BuzzBuzz_16, Bxb1_14, Bxz2_17, CLED96_7, CallinAllBarbz_6, Cambiare_8, Camri_7, Candra_19, CassieYates_7, Caviar_16, Cedasite_7, Chadwick_14, Chance64_7, Chargerpower_16, Chartreuse_19, Che9d_7, CheeseTouch_7, Cherrybomb426_7, CherryonLim_9, Cleo_8, CloudWang3_19, Colbster_17, Coleslaw_7, Colin_20, Conspiracy_13, Coog_13, Cookiedough_19, CosmicSans_12, Cota_6, Cozz_8, Crespo_7, Cuco_13, Cullens_17, D29_17, D32_19, DBQu4n_19, DMoney_7, DNAIII_007, DaHudson_17, DaVinci_19, Daishi_16, Danforth_12, Darionha_7, Demsculpinboyz_7, Dieselweasel_17, Dinger_12, Discoknowium_13, Dixon_13, Dorothea_18, DrParker_6, Dre3_8, Dublin_12, Duplo_19, ECartman_7, Ebony_16, Ecliptus_7, ElTiger69_13, Elinal_9, Eliott_8, Emalyn_7, Enochoraptor_6, Enoki_6, EpicPhail_17, EricB_19, Erik_12, Espica_12, Et2Brutus_15, Expelliarmus_12, Farber_17, Feastonyeet_7, Fernando_17, Fibonacci_16, FlagStaff_7, Flaverint_16, ForGetIt_13, Fred313_15, Fribs8_9, Frickyeah_7, Frosty24_7, GTE2_06, Gail_15, Garak_20, GaugeLDP_18, Gemma_17, George_12, Getalong_7, Ghoulboy_13, GiKK_11, Gibbous_8, Gideon_7, Gilberta_16, GingkoMaracino_17, Giroux_15, Gladiator_19, GoldHunter_9, GoldenAsh_7, Gollum_12, Gomashi_7, GreedyLawyer_19, Grif_17, Grizzly_7, Groundhog_12, Groupthink_18, Grub_17, Grum1_17, Gruunaga_19, GtownJaz_17, Halo_7, Hammer_19, Harlequin_12, HashRod_18, HaveUMetTed_18, Heathen_15, HelDan_15, Heliosoles_17, Helmet_20, Herbertwm_14, Hercules11_17, Hexamo_19, Hexbug_10, HippoPololi_10, Hiro_12, Holliday_7, Hookmount_16, Hoot_19, Hope_7, Horseradish_9, Horus_7, Hotshotbaby7_7, HuhtaEnerson15_13, Hum25_6, Hutc2_16, IdentityCrisis_7, Idleandcovert_15, Indra_19, Insomnia_16, Isca_15, Isiphiwo_19, JF2_15, JF4_15, JHC117_17, Jabbawokkie_8, Jabiru_13, Jabith_16, Jamzy_11, Jane_7, Jeeves_15, Jeffabunny_19, JenCasNa_17, JeppNRM_18, Jester_12, JewelBug_19, Jobu08_17, Jolene_7, Jolie2_7, Jonghyun_7, JorRay_7, Jordennis_19, Joselito_16, Jovo_13, KADY_18, Kalb97_18, Kalnoky_18, Kamaru_7, Kareem_7, Kasen3_7, KayGee_7, Kazan_19, Keiki_6, Kenna_7, Kerberos_19, Kipper29_19, Koduck_16, Koko_19, Krishelle_12, Kubed_6,

Kugel_16, Kykar_13, L5_17, LBerry_17, Lambert1_16, LarryKay_17, Lauchelly_6, Lauer_7, Lemuria_7, Leroy_7, Lev2_13, Leviosa_6, Liefie_7, LilBandit_6, Lilbunny_18, Lilith_17, Lillie_12, LitninMcQueen_7, LittleCherry_13, Lokk_19, Louie6_17, LouisV14_7, Luchador_16, Lucivia_16, Lucky10_6, LugYA_19, Lutum_7, MA5_15, MAnor_8, MEAK_6, MK4_15, MOOREtheMARYer_7, MScarn_10, MaCh_16, MaVan_10, Mabel_16, MadMarie_17, Mainiac_17, Malinsilva_19, Malisha_7, Manu_18, MarQuardt_17, Margaret_11, Margo_16, Marie_17, Marius_18, Marmie_7, MarysWell_12, Mayweather_9, McFly_19, Mercurio_8, Methuselah_17, Micasa_12, Microwolf_17, Midas2_13, Miko_19, Milcery_13, Misomonster_19, MoneyMay_17, Morkie_6, Mowgli_7, Moyashi_6, MrAK_6, MrSmee_6, MuchMore_19, Mulciber_16, Munch_16, MunkgeeRoachy_9, MyraDee_13, Naca_13, Naiad_12, Naji_19, Nancinator_12, Natosaleda_12, NearlyHeadless_13, Neeharika16_19, Newrala_19, Nibbles_10, Nina_9, Nodigi_10, Noella_16, Norbert_15, ODay_7, OctaviousRex_7, Ogopogo_8, OlanP_17, Olga_7, Ollie_17, Orange_16, Orla_10, Ouroboros_6, P1.1_6, P100.1_6, P100A_6, P100D_6, P101A_6, P104A_6, P104B_6, P105_6, P106A_6, P106C_6, P106I_6, P106L_6, P106M_6, P107A_6, P107C_6, P108C_6, P14.4_6, P28Green_17, P3MA_7, P9.1_6, PA6_6, PAD20_6, PAS50_6, PGHhamlin_19, PHL010M04_06, PHL037M02_06, PHL060L00_06, PHL067M10_06, PHL071N05_06, PHL111M01_06, PHL112N00_06, PHL113M01_06, PHL114L00_06, PP_25, Pace1224_7, Paito_7, Panamaxus_16, Partridge_12, Pawn_18, Peeb_7, Pembroke_17, Penny1_17, Periodt_7, Periwinkle_7, Petersenfast_15, PetterN_14, Phabuloso_7, PhailMary_11, Phantastic_15, Phillis_13, PhishRPhriends_16, Phish_7, Phistory_7, Phlei_12, Phlorence_13, Phoebe_17, PhorbesPhlower_6, Phoxy_17, Phrankenstein_12, Phranny_18, Phreak_7, PickleBack_13, PinkYoshi_7, Pinnie_8, Pirate_6, Pistachio_16, Pitbull_6, Plagueis_7, Pmask_19, Pocahontas_16, Pomar16_19, Pons_8, Popcicle_16, PotPie_8, PotatoSplit_18, Priamo_19, Procrass1_6, PsychoKiller_8, Puppy_16, PurpleHaze_17, Quasar_8, QueenBey_6, QuinnKiro_15, RER2_5, RGL3_5, Rabbs_7, Rachaly_19, Raqqa_7, Rasputin_12, Reba_18, RedBaron_9, Remy19_7, Renaissance_7, ResDef_16, RexFury_12, Rhodalysa_12, Rifter_19, Rileysaurus_6, Roary_13, Rockstar_15, Roksolana_19, Rummer_17, SKKY_6, Sabia_17, Sabinator_17, Saintus_13, Salz_16, SaturnRing_15, Schiebel_7, Scorpia_14, Scout_15, ShaboiShabazz_7, Sham4_16, SheckWes_7, Sheen_17, Shuman_12, Sizemore_7, SketchMex_7, Smeadley_13, SmellyB_19, Snape_16, Sneeze_7, Snickers_17, SoYo_17, SoilDragon_17, Solid_6, Sopespian_8, SororFago_15, Soshari_19, Soul22_7, Spartoi_6, Spike509_17, Spooky_7, Squiddly_8, StCroix_12, Stagni_17, StarStuff_19, Stargaze_7, SteamedHams_10, StepMih_17, Stephig9_13, Stormborn_6, SummitAcademy_7, SuperAwesome_19, SuperCallie99_19, Supernova_6, Survivors_10, Swann_12, SweatNTears_10, Sweets_7, SwirlSquare_18, Swirley_13, SydNat_13, TNguyen7_15, TWAMP_12, Taheera_7, Takoda_12, Target_17, Tarynearal_12, Taurus_17, Terror_7, Texage_15, Theia_12, Tiffany_17, Tiger_13, Timothy_16, TinyTimmy_15, Todacoro_16, Tolls_10, TomBrady_7, Tomathan_19, ToneTone_18, Troje_8, Tucker_19, Typhonomachy_9, UhSalsa_12, UnionJack_13, Veracruz_15, Vine_9, Vix_17, VohminGhazi_19, Watson_17, Whitney_7, Wiks_19, Wizzo_6, Wooldri_19, WunderPhul_19, XianYue_16, Yakult_9, Yarn_7, Yogi_12, Yokurt_19, Yoncess_12, Yoshi_7, Yummy_9, Zaka_19, Zapner_8, Zareef_12, Zetzy_16, ZoMa_7, Zolita_12, Zombie_7, Zulu_19,

Summary by start number:

Start 1:
• Found in 4 of 1069 (0.4%) of genes in pham

• Manual Annotations of this start: 2 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Colin_20 (A2), GaugeLDP_18 (A2), Koduck_16 (A2), L5_17 (A2),

Start 2:
• Found in 1 of 1069 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hammer_19 (A6),

Start 3:
• Found in 2 of 1069 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SwirlSquare_18 (A2), XianYue_16 (A2),

Start 4:
• Found in 80 of 1069 (7.5%) of genes in pham
• Manual Annotations of this start: 72 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aneem_16 (A11), Artemis2UCLA_19 (A6), BABullseye_19 (A6), Bachome_16 (A11), Blinn1_19 (A6), Blue7_19 (A6), Bowtie_16 (A11), Bud_16 (A11), Candra_19 (A6), Chartreuse_19 (A6), CloudWang3_19 (A6), Cookiedough_19 (A6), D29_17 (A2), D32_19 (A2), DBQu4n_19 (A2), DaVinci_19 (A6), Dorothea_18 (A6), Duplo_19 (A2), Ebony_16 (A11), EricB_19 (A6), Et2Brutus_15 (A11), Fibonacci_16 (A11), Flaverint_16 (A11), Garak_20 (A6), Gilberta_16 (A11), Gladiator_19 (A6), GreedyLawyer_19 (A6), Gruunaga_19 (A6), Helmet_20 (A6), Herbertwm_14 (A2), Hexamo_19 (A6), Hoot_19 (A6), Hutc2_16 (A11), Indra_19 (A6), Insomnia_16 (A11), Isiphiwo_19 (A6), Jabith_16 (A11), Jeffabunny_19 (A6), JewelBug_19 (A6), Jordennis_19 (A6), Joselito_16 (A11), Kazan_19 (A6), Kerberos_19 (A2), Kipper29_19 (A6), Koko_19 (A6), Lilbunny_18 (A6), Lucivia_16 (A11), MaCh_16 (A11), Mabel_16 (A11), McFly_19 (A6), Mulciber_16 (A11), Munch_16 (A11), Naji_19 (A2), Neeharika16_19 (A6), Newrala_19 (A6), Orange_16 (A11), Petersenfast_15 (A11), Pmask_19 (A6), Pomar16_19 (A2), Priamo_19 (A6), Rifter_19 (A6), Roksolana_19 (A6), Salz_16 (A11), Sham4_16 (A11), SmellyB_19 (A6), Snape_16 (A11), StarStuff_19 (A2), SuperAwesome_19 (A6), SuperCallie99_19 (A6), Timothy_16 (A11), TinyTimmy_15 (A11), Tomathan_19 (A2), ToneTone_18 (A6), Tucker_19 (A6), VohminGhazi_19 (A6), Wiks_19 (A6), WunderPhul_19 (A6), Yokurt_19 (A6), Zaka_19 (A6), Zulu_19 (A6),

Start 5:
• Found in 526 of 1069 (49.2%) of genes in pham
• Manual Annotations of this start: 499 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 20ES_16 (A2), 40AC_19 (A17), A6_13 (A1), AFIS_15 (A1), AN3_16 (A2), AN9_19 (A2), ANI8_19 (A2), AbbyPaige_18 (A2), AbbysRanger_15 (A4), Abbyshoes_16 (A1), Abdiel_15 (A4), Abrogate_160 (A1), Achebe_15 (A4), Acme_17 (A1), Acolyte_16 (A2), Adahisdi_16 (A1), Adzzy_17 (A2), Aeneas_17 (A1), Agaliana_15 (A1), Agape74_18 (A2), Ajay_15 (A1), Albee_15 (A4), Alberto7_16 (A4), Aliter_17 (A9), Alma_17 (A9), Alsfro_19 (A1), Altman_16 (A1), Alvin_16 (A1), Anaysia_18 (A15), Anglerfish_16 (A1), AnnaL29_19 (A2), Annyong_15

(A4), Anon_16 (A15), Anselm_16 (A2), Anthony_15 (A20), Applejack_15 (A1), Arcanine_16 (A1), ArcherNM_18 (A2), Arissanae_15 (A9), Arlo_14 (A1), Arturo_14 (A4), Ashballer_14 (A1), Atkinbua_16 (A1), AvatarAhPeg_15 (A4), Avle17_15 (A4), BK1_13 (A1), BPBiebs31_16 (A1), Baby16_15 (A4), BabyBack_18 (A2), Backyardigan_15 (A4), BaconJack_17 (A1), Bactobuster_17 (A2), Badger_15 (A4), Baehexic_17 (A2), BangNhom_14 (A4), Barriga_15 (A1), Bartimeaus_15 (A4), Battleship_19 (A15), Beatrix_14 (A1), Beemo_17 (A9), BeesKnees_16 (A1), BellusTerra_15 (A4), BengiVuitton_17 (A2), Benvolio_16 (A2), Bethlehem_15 (A1), Bexan_14 (A1), BiancaTri92_18 (A2), Big3_15 (A1), BigMau_17 (A1), BigPaolini_16 (A1), Bigfoot_14 (A1), Bircsak_15 (A1), Blackmoor_15 (A4), BluSpix_15 (A1), Blue_15 (A1), Bob3_14 (A1), BogosyJay_17 (A9), Bombshell_15 (A4), Bones_15 (A1), Boohoo_18 (A15), Briton15_17 (A1), Broseidon_15 (A4), Bruiser_15 (A4), Bruns_14 (A1), BubbleTrouble_15 (A4), Bugsy_18 (A2), Bumblebee11_15 (A4), Burger_14 (A4), Burton_16 (A1), Buttons_16 (A1), C3_14 (A2), CRB1_16 (A2), CactusRose_14 (A1), Caelakin_15 (A4), Camperdownii_14 (A4), Caraxes_15 (A2), Carlyle_17 (A1), Catalina_17 (A9), Centaur_18 (A2), CentreCat_15 (A4), Cerulean_15 (A4), ChampagnePapi_15 (A4), Chanagan_14 (A1), Changeling_19 (A2), Chaph_15 (A4), Charm_16 (A9), Che12_17 (A2), ChipMunk_18 (A2), Chupacabra_15 (A10), Ciao_15 (A1), Cici_15 (A4), Cindaradix_14 (A4), Cintron_15 (A4), Citius_15 (A4), Clarenza_15 (A4), Cocoaberry_15 (A4), Commander_15 (A4), ConceptII_15 (A1), Connomayer_15 (A4), Conquerage_17 (A9), Corvo_15 (A1), Crispicous1_14 (A1), Crucio_16 (A2), Cueylyss_15 (A1), DD5_16 (A1), Dalmatian_16 (A2), Darrell_18 (A9), DarthPhader_17 (A12), Datway_15 (A4), Deano_15 (A4), DekHockey33_18 (A15), Deloris_17 (A2), Dexes_16 (A1), Dhanush_15 (A4), Dignity_18 (A2), DirtyDunning_15 (A4), Doom_15 (A1), DrFeelGood_14 (A1), Drake55_18 (A2), Drake94_14 (A10), DreamCatcher_18 (A1), DreamTeam1_16 (A9), Dreamboat_16 (A1), DroogsArmy_16 (A7), Druantia_15 (A4), DudeLittle_16 (A2), Dulcie_14 (A1), Dussy_16 (A1), Dynamix_16 (A1), EZMoney23_20 (A2), EagleEye_18 (A16), Eagle_14 (A4), Eaglepride_16 (A10), Eapen_15 (A4), Echild_16 (A2), Edison31_15 (A10), Edtherson_16 (A1), Eidsmoe_17 (A9), Elephantoon_17 (A9), EmyBug_17 (A9), Epsocamisio_18 (A15), Equemioh13_18 (A2), Eris_15 (A4), Eros_15 (A4), Espresso_15 (A1), Euphoria_15 (A1), Eurydice_15 (A4), EvilGenius_18 (A2), ExplosioNervosa_17 (A9), Eyeball_15 (A1), Fajezeel_17 (A1), Fameo_16 (A2), Fascinus_14 (A1), Fayely_17 (A9), Fenn_16 (A1), FiringLine_16 (A2), First_0016 (A2), Flare16_16 (A2), Florean_15 (A4), Flux_15 (A4), Forsytheast_14 (A1), Francis47_15 (A1), Froghopper_16 (A1), Funston_15 (A4), Fushigi_16 (A1), Gadost_15 (A4), GageAP_17 (A1), Gandalf20_16 (A1), Georgie2_17 (A2), Gompeii16_15 (A1), Goose_15 (A10), Graduation_17 (A1), GrecoEtereo_16 (A1), Greg_17 (A1), Gwendoluna_17 (A1), Gyzlar_17 (A1), HINdeR_15 (A7), HamSlice_14 (A4), Hami1_17 (A1), HanShotFirst_15 (A1), Happiness_15 (A4), HarryHoudini_18 (A2), HarryOW_16 (A1), Heffalump_18 (A2), Hermia_17 (A1), HermioneGrange_15 (A1), Holli_15 (A4), Homines_15 (A1), Hope4ever_15 (A1), HortumSL17_17 (A9), Houdini22_15 (A4), ICleared_15 (A4), ILeeKay_17 (A1), Iceman_15 (A4), Ichabod_16 (A1), IgnatiusPatJac_14 (A1), Iracema64_15 (A4), IronMan_18 (A2), Iwokeuplikedis_16 (A2), JC27_17 (A1), JSwag_18 (A15), Jaan_19 (A2), JackSparrow_16 (A1), Jasper_16 (A1), Jaykayelowell_15 (A4), Jerm2_16 (A1), Jerm_18 (A2), JetBlade_15 (A4), JoongJeon_15 (A4), Jorgensen_15 (A1), JoshKayV_18 (A2), Journey13_14 (A2), Jsquared_15 (A2), JuliaChild_17 (A1), KBG_16 (A1), KFPoly_15 (A4), KSSJEB_15 (A1), Kalpine_19 (A2), Kampy_15 (A4), Kanely_16 (A1), Katalie136_15 (A4), KatherineG_18 (A15), Kenmech_18 (A1), Keziacharles14_15 (A9), Killigrew_13 (A1), Kimona_12 (A19), KingCyrus_18 (A2), Kingmustik0402_15 (A4), KittenMittens_14 (A10), Koreni_14 (A4), Kratark_15 (A4), Kremtemulon_14 (A4), Kristoff_16 (A10),

KyMonks1A_17 (A1), Kyee_15 (A4), LHTSCC_15 (A4), LadyBird_16 (A2), Lamina13_15 (A1), Landor_17 (A2), LappelDuVide_14 (A4), Larenn_17 (A2), LastResort_18 (A15), Lemur_15 (A4), LeoAvram_15 (A4), Leogania_18 (A2), Lesedi_14 (A1), Leviathan_18 (A2), Licorice_17 (A1), LilBib_16 (A1), LilTurb_18 (A2), LittleB_15 (A4), LittleGuy_15 (A4), LochMonster_15 (A4), Lockley_15 (A1), LoneWolf_17 (A9), Looper_19 (A15), Lopton_16 (A1), Lorenzo_15 (A4), Loser_19 (A2), Lucyedi_17 (A16), Lunsford_16 (A4), MPlant7149_14 (A1), Magnar_15 (A1), Magnito_14 (A1), Makemake_15 (A1), Malec_17 (A2), Maminiaina_17 (A9), Manatee_16 (A1), Marcell_15 (A1), Marchy_13 (A1), Marge_16 (A1), Maroc7_14 (A1), Marsha_15 (A1), MaryBeth_15 (A1), Maverick_15 (A4), Maxo_15 (A4), Mazhar510_15 (A4), McGuire_16 (A1), Medusa_15 (A4), MeeZee_15 (A4), Melvin_15 (A4), MetalQZJ_15 (A1), Michley_15 (A1), MiculUcigas_16 (A2), Millski_15 (A4), MinecraftSteve_19 (A15), Miramae_15 (A4), MissWhite_16 (A2), Molly_16 (A1), Monet_17 (A1), Moose_14 (A1), Morpher26_15 (A4), Morrow_15 (A4), MrGordo_15 (A1), Mryolo_14 (A1), Mule_15 (A1), Mundrea_15 (A4), Museum_17 (A1), Myxus_17 (A9), NEHalo_15 (A1), NaSiaTalie_16 (A2), Naira_16 (A1), Nebs_15 (A4), Nebulosus_18 (A15), Nedarya_17 (A15), Nemo27_15 (A4), Nerujay_16 (A1), Nhonho_15 (A1), NicoleTera_20 (A2), Niza_17 (A1), Noelle_15 (A4), NorthStar_15 (A4), Norz_17 (A1), NotAPhaseMom_15 (A4), NothingSpecial_18 (A2), Nyxis_15 (A4), OKCentral2016_15 (A10), OKaNui_15 (A4), Obama12_15 (A4), Odin_15 (A2), Ohfah_15 (A4), Ohno789_15 (A1), Oofda_19 (A15), Oogway_14 (A1), PSullivan_17 (A1), PacerPaul_15 (A1), PackMan_17 (A9), PainterBoy_17 (A16), Palestino_15 (A4), Papez_17 (A1), Paphu_14 (A1), Paraselene_14 (A1), Pari_16 (A1), Parliament_14 (A1), PascalRango_14 (A1), PattyP_17 (A1), Payneful_14 (A1), PeaceMeal1_14 (A10), Peaches_15 (A4), Pelly_16 (A1), Pepe_16 (A1), Perplexer_15 (A4), Perseus_16 (A1), PeterPeter_15 (A4), Peterson_18 (A1), PetiteSangsue_15 (A4), Petp2012_17 (A1), Petruchio_15 (A1), Ph8s_17 (A2), Phacado_15 (A4), Phaded_19 (A2), Phaeder_17 (A9), Pharaoh_16 (A12), Phelipe_15 (A4), PherrisBueller_16 (A1), Phighter1804_15 (A4), Phonnegut_17 (A9), Phontbonne_15 (A4), PhrostyMug_15 (A1), PinkPlastic_14 (A1), Pinto_17 (A1), Pioneer_17 (A9), Pipcraft_15 (A4), Pippin_17 (A1), Piro94_17 (A2), Pita2_17 (A1), Polymorphads_15 (A4), Poompha_14 (A10), Power_16 (A2), Priya_17 (A9), Pukovnik_18 (A2), Pumbaa_15 (A4), QTRlifeCrisis_15 (A1), Qobbit_17 (A9), QueenB2_16 (A2), QueenBeesly_16 (A2), Rahalelujah_15 (A9), Rajelicia_15 (A1), ReMo_18 (A15), Rebeuca_16 (A10), RedRock_19 (A2), Refuge_19 (A12), Relief_15 (A4), Remus_18 (A15), Retro23_16 (A2), RhynO_16 (A10), Rhynn_15 (A1), RidgeCB_15 (A1), Ringer_15 (A1), Rohr_16 (A1), Romney_15 (A4), Roosevelt_15 (A4), Rosalind_18 (A15), Rubeus_16 (A1), Rufus_16 (A1), Ruin_15 (A4), Ruotula_14 (A1), Rutherferd_17 (A1), STLscum_16 (A1), Sabertooth_15 (A4), Sagefire_16 (A1), Sandaddy_14 (A1), Sanya_14 (A1), SarFire_15 (A1), Scamp_15 (A4), Scherzo_17 (A9), Scowl_16 (A1), Seabiscuit_17 (A1), Seanderson_16 (A1), SemperFi_18 (A2), Serenity_15 (A2), Severus_14 (A10), Shaka_15 (A4), ShayRa_19 (A15), SheaKeira_16 (A9), SheldonCooper_15 (A4), ShortQueendom_14 (A1), Shygu2_15 (A4), Sibs6_17 (A1), SkiPole_17 (A1), Skipitt_15 (A4), Slagathor_16 (A1), Smairt_16 (A1), Smeagan_18 (A2), Smeagol_16 (A1), SnapTap_16 (A2), Snazzy_13 (A1), Solon_15 (A1), Sorpresa_14 (A1), Soups_18 (A15), Sparxx_15 (A4), SpikeBT_17 (A1), Spino_15 (A4), Spouty_16 (A9), Squee_16 (A1), Stasia_16 (A4), Steamy_17 (A12), StewieG_14 (A1), Stink_15 (A4), StrongArm_14 (A1), Strosahl_18 (A15), Sumter_14 (A1), Sunshine924_14 (A1), Superchunk_15 (A2), SweetiePie_16 (A2), SwissCheese_15 (A1), Switzer_16 (A1), Switzerland_18 (A15), Swole_17 (A1), Taquarus_15 (A4), TarsusIV_16 (A2), Tasp14_16 (A1), Teodoridan_13 (A1), Thanksgivukkah_15 (A4), TheloniousMonk_17 (A1), Thor_15 (A1), Timshel_16 (A7), TinaFeyge_15 (A4), Tinybot_14 (A4), TipsytheTRex_15 (A2), TiroTheta9_15 (A4),

Toaka_15 (A9), Topanga_15 (A10), Topgun_15 (A1), Tote_17 (A1), Traft412_17 (A1), Treddle_17 (A1), Trike_13 (A10), Tripl3t_16 (A1), Trixie_19 (A2), Trooper_16 (A2), Trouble_15 (A1), TroyPia_15 (A4), Tubs_17 (A9), Turbido_18 (A2), Turj99_14 (A1), Twister_15 (A10), TwoPeat_16 (A1), TygerBlood_15 (A4), U2_15 (A1), Ugenie5_14 (A9), Ulysses_14 (A4), Updawg_18 (A2), VA6_16 (A2), VC3_19 (A2), Vanisoa_15 (A9), Violet_14 (A1), Waits_18 (A15), WalterMcMickey_15 (A10), Wander_15 (A4), Watermelon_17 (A1), WeiHuaDA_22 (A2), Whabigail7_18 (A2), Wheeler_15 (A1), WideWale_18 (A2), Wilbur_15 (A4), Wile_15 (A4), Wilkins_15 (A1), Wizard007_15 (A4), Xena_15 (A4), Yecey3_16 (A9), YoSam321_15 (A4), Zeeculate_14 (A1), Zephyr_15 (A1), Zeuska_16 (A1), Zimmer_18 (A12),

Start 6:
• Found in 1 of 1069 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sheen_17 (A7),

Start 7:
• Found in 118 of 1069 (11.0%) of genes in pham
• Manual Annotations of this start: 112 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ACFishhook_17 (A3), Aglet_17 (A3), AgronaGT15_17 (A3), Anubis_19 (A3), AugsMagnumOpus_19 (A3), B1_13 (A3), BabyRay_15 (A3), Beauxregard13_17 (A3), BlueBird_16 (A3), BreSam8_17 (A3), Bugatti_15 (A3), BuzzBuzz_16 (A3), Bxz2_17 (A3), Caviar_16 (A3), Colbster_17 (A3), Cullens_17 (A3), DaHudson_17 (A3), Daishi_16 (A3), Dieselweasel_17 (A3), EpicPhail_17 (A3), Farber_17 (A3), Fernando_17 (A3), Fred313_15 (A3), Gemma_17 (A3), GingkoMaracino_17 (A3), Giroux_15 (A3), Grif_17 (A3), Groupthink_18 (A3), Grub_17 (A3), Grum1_17 (A3), GtownJaz_17 (A3), HashRod_18 (A3), HaveUMetTed_18 (A3), Heathen_15 (A3), HelDan_15 (A3), Heliosoles_17 (A3), Hercules11_17 (A3), Hookmount_16 (A3), Idleandcovert_15 (A3), Isca_15 (A3), JF2_15 (A3), JF4_15 (A3), JHC117_17 (A3), JenCasNa_17 (A3), JeppNRM_18 (A3), Jobu08_17 (A3), KADY_18 (A3), Kalb97_18 (A3), Kalnoky_18 (A3), LBerry_17 (A3), Lambert1_16 (A3), LarryKay_17 (A3), Lilith_17 (A3), Louie6_17 (A3), LugYA_19 (A3), MA5_15 (A3), MK4_15 (A3), MadMarie_17 (A3), Mainiac_17 (A3), Malinsilva_19 (A3), Manu_18 (A3), MarQuardt_17 (A3), Margo_16 (A3), Marie_17 (A3), Marius_18 (A3), Methuselah_17 (A3), Microwolf_17 (A3), Misomonster_19 (A3), MoneyMay_17 (A3), MuchMore_19 (A3), Noella_16 (A3), Norbert_15 (A3), OlanP_17 (A3), Ollie_17 (A3), P28Green_17 (A3), PGHhamlin_19 (A3), PP_25 (A7), Panamaxus_16 (A3), Pawn_18 (A3), Pembroke_17 (A3), Penny1_17 (A3), Phantastic_15 (A3), PhishRPhriends_16 (A3), Phoebe_17 (A3), Phoxy_17 (A3), Phranny_18 (A3), Pistachio_16 (A3), Pocahontas_16 (A3), Popcicle_16 (A3), PotatoSplit_18 (A3), Puppy_16 (A3), PurpleHaze_17 (A3), QuinnKiro_15 (A3), Reba_18 (A3), ResDef_16 (A3), Rockstar_15 (A3), Rummer_17 (A3), Sabia_17 (A3), Sabinator_17 (A3), SaturnRing_15 (A3), Scout_15 (A3), Snickers_17 (A3), SoYo_17 (A3), SoilDragon_17 (A3), Soshari_19 (A3), Spike509_17 (A3), Stagni_17 (A3), StepMih_17 (A3), TNguyen7_15 (A3), Taurus_17 (A3), Texage_15 (A3), Tiffany_17 (A3), Todacoro_16 (A3), Veracruz_15 (A3), Vix_17 (A3), Watson_17 (A3), Wooldri_19 (A3), Zetzy_16 (A3),

Start 9:
• Found in 43 of 1069 (4.0%) of genes in pham
• Manual Annotations of this start: 33 of 984

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Agatha_8 (CT), AikoCarson_7 (CT), Amok_7 (CT), AndPeggy_7 (CT), Axym_8 (CT), BigChungus_7 (CT), BillDoor_10 (CT), Biskit_9 (CT), Burnsey_8 (CT), Buttrmlkdreams_8 (CT), CherryonLim_9 (CT), Cozz_8 (CT), Elinal_9 (CT), Eliott_8 (CT), Emalyn_7 (CT), Feastonyeet_7 (CT), GTE2_06 (CT), GoldHunter_9 (CT), Horseradish_9 (CT), KayGee_7 (CT), Lauer_7 (CT), MAnor_8 (CT), MScarn_10 (CT), Mayweather_9 (CT), MunkgeeRoachy_9 (CT), Nina_9 (CT), Pons_8 (CT), PotPie_8 (CT), PsychoKiller_8 (CT), Quasar_8 (CT), RedBaron_9 (CT), SheckWes_7 (CT), SketchMex_7 (CT), Sopespian_8 (CT), SteamedHams_10 (CT), SummitAcademy_7 (CT), SweatNTears_10 (CT), Tolls_10 (CT), Troje_8 (CT), Typhonomachy_9 (CT), Vine_9 (CT), Yarn_7 (CT), Yummy_9 (CT),

Start 11:
• Found in 15 of 1069 (1.4%) of genes in pham
• Manual Annotations of this start: 14 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillKnuckles_16 (A1), BobSwaget_19 (A2), Bxb1_14 (A1), Chargerpower_16 (A), Gail_15 (A14), Jeeves_15 (A14), Kugel_16 (A1), Kykar_13 (A1), Lokk_19 (A2), Luchador_16 (A14), Miko_19 (A2), Phlei_12 (A13), Rachaly_19 (A2), SororFago_15 (A14), Target_17 (A1),

Start 14:
• Found in 2 of 1069 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hexbug_10 (CT), Orla_10 (CT),

Start 15:
• Found in 50 of 1069 (4.7%) of genes in pham
• Manual Annotations of this start: 49 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AgentM_13 (A5), Airmid_13 (A5), Aragog_13 (A5), Archetta_13 (A5), Astro_13 (A8), Benedict_13 (A5), Bluefalcon_12 (A5), Bonamassa_13 (A5), Chadwick_14 (A5), Conspiracy_13 (A5), Coog_13 (A5), Cuco_13 (A5), Danforth_12 (A8), Discoknowium_13 (A5), Dixon_13 (A8), Dublin_12 (A5), ElTiger69_13 (A5), Expelliarmus_12 (A8), ForGetIt_13 (A5), George_12 (A5), Ghoulboy_13 (A5), Groundhog_12 (A8), HuhtaEnerson15_13 (A5), Jabiru_13 (A5), Jovo_13 (A5), Lev2_13 (A5), LittleCherry_13 (A5), MarysWell_12 (A5), Micasa_12 (A5), Midas2_13 (A5), Milcery_13 (A5), MyraDee_13 (A18), Naca_13 (A5), NearlyHeadless_13 (A8), PetterN_14 (A5), Phillis_13 (A8), Phlorence_13 (A5), PickleBack_13 (A5), Roary_13 (A8), Saintus_13 (A8), Scorpia_14 (A5), Smeadley_13 (A8), Stephig9_13 (A8), Swirley_13 (A5), SydNat_13 (A5), Tarynearal_12 (A5), Theia_12 (A5), Tiger_13 (A5), UnionJack_13 (A5), Zolita_12 (A5),

Start 16:
• Found in 41 of 1069 (3.8%) of genes in pham
• Manual Annotations of this start: 36 of 984
• Called 92.7% of time when present
• Phage (with cluster) where this start called: Alatin_12 (CA), Alpacados_11 (CA), AngryOrchard_11 (CA), AppleCloud_10 (CA), Belenaria_12 (CA), BobbyDazzler_12 (CA), Bonanza_12 (CA), Bradshaw_12 (CA), Bryce_12 (CA), CosmicSans_12 (CA), Dinger_12 (CA), Erik_12 (CA), Espica_12 (CA), Gollum_12 (CA), Harlequin_12 (CA),

Hiro_12 (CA), Jester_12 (CA), Krishelle_12 (CA), Lillie_12 (CA), Naiad_12 (CA), Nancinator_12 (CA), Natosaleda_12 (CA), Partridge_12 (CA), PhailMary_11 (CA), Phrankenstein_12 (CA), RER2_5 (CA), RGL3_5 (CA), Rasputin_12 (CA), RexFury_12 (CA), Rhodalysa_12 (CA), Shuman_12 (CA), StCroix_12 (CA), Swann_12 (CA), TWAMP_12 (CA), Takoda_12 (CA), UhSalsa_12 (CA), Yogi_12 (CA), Yoncess_12 (CA),

Start 18:
• Found in 6 of 1069 (0.6%) of genes in pham
• Manual Annotations of this start: 6 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Button_9 (CT), GiKK_11 (CT), Jamzy_11 (CT), Margaret_11 (CT), Nodigi_10 (CT), Yakult_9 (CT),

Start 19:
• Found in 12 of 1069 (1.1%) of genes in pham
• Manual Annotations of this start: 9 of 984
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Azira_10 (CT), Cleo_8 (CT), Dre3_8 (CT), Fribs8_9 (CT), Gibbous_8 (CT), HippoPololi_10 (CT), MaVan_10 (CT), Nibbles_10 (CT), Survivors_10 (CT), Zareef_12 (CT),

Start 20:
• Found in 1 of 1069 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Spartoi_6 (singleton),

Start 21:
• Found in 2 of 1069 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaileyBlu_6 (FP), CallinAllBarbz_6 (FP),

Start 22:
• Found in 2 of 1069 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArV2_06 (singleton), Hum25_6 (FQ),

Start 23:
• Found in 36 of 1069 (3.4%) of genes in pham
• Manual Annotations of this start: 3 of 984
• Called 25.0% of time when present
• Phage (with cluster) where this start called: LilBandit_6 (BU), P104B_6 (BU), P9.1_6 (BU), PHL037M02_06 (BU), PHL067M10_06 (BU), PHL111M01_06 (BU), PHL112N00_06 (BU), PHL113M01_06 (BU), PHL114L00_06 (BU),

Start 24:
• Found in 57 of 1069 (5.3%) of genes in pham
• Manual Annotations of this start: 40 of 984
• Called 84.2% of time when present

• Phage (with cluster) where this start called: ATCC29399BC_6 (BU), ATCC29399BT_6 (BU), Aquarius_6 (BU), Attacne_6 (BU), BruceLethal_6 (BU), Cota_6 (BU), DrParker_6 (BU), Enochoraptor_6 (BU), Enoki_6 (BU), Keiki_6 (BU), Kubed_6 (BU), Lauchelly_6 (BU), Leviosa_6 (BU), MEAK_6 (BU), Moyashi_6 (BU), MrAK_6 (BU), Ouroboros_6 (BU), P1.1_6 (BU), P100.1_6 (BU), P100A_6 (BU), P100D_6 (BU), P101A_6 (BU), P104A_6 (BU), P105_6 (BU), P106A_6 (BU), P106C_6 (BU), P106I_6 (BU), P106L_6 (BU), P106M_6 (BU), P107A_6 (BU), P107C_6 (BU), P108C_6 (BU), P14.4_6 (BU), PA6_6 (BU), PAD20_6 (BU), PAS50_6 (BU), PHL010M04_06 (BU), PHL060L00_06 (BU), PHL071N05_06 (BU), Pirate_6 (BU), Procrass1_6 (BU), QueenBey_6 (BU), Rileysaurus_6 (BU), SKKY_6 (BU), Solid_6 (BU), Stormborn_6 (BU), Supernova_6 (BU), Wizzo_6 (BU),

Start 25:
• Found in 111 of 1069 (10.4%) of genes in pham
• Manual Annotations of this start: 101 of 984
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_7 (AY), Angel_7 (G1), Annihilator_7 (G1), Antsirabe_7 (G5), Aroostook_7 (G1), Asapag_7 (DN1), Avani_7 (F2), Avocado_7 (G2), Avrafan_7 (G1), BENtherdunthat_7 (DN1), BPs_7 (G1), BQuat_7 (G1), Barkley26_7 (G1), Blarby_8 (F), BruceB_7 (G1), Budski_7 (DN), CLED96_7 (G1), Cambiare_8 (G2), Camri_7 (G1), CassieYates_7 (G1), Cedasite_7 (G1), Chance64_7 (G1), Che9d_7 (F2), CheeseTouch_7 (DN1), Cherrybomb426_7 (G1), Coleslaw_7 (G1), Crespo_7 (G1), DMoney_7 (G1), DNAIII_007 (G1), Darionha_7 (G1), Demsculpinboyz_7 (F2), ECartman_7 (G1), Ecliptus_7 (DN), FlagStaff_7 (G2), Frickyeah_7 (DN1), Frosty24_7 (G1), Getalong_7 (DN1), Gideon_7 (G1), GoldenAsh_7 (G1), Gomashi_7 (G1), Grizzly_7 (G1), Halo_7 (G1), Holliday_7 (DN1), Hope_7 (G1), Horus_7 (DN1), Hotshotbaby7_7 (G1), IdentityCrisis_7 (singleton), Jabbawokkie_8 (F2), Jane_7 (G1), Jolene_7 (G1), Jolie2_7 (G4), Jonghyun_7 (G1), JorRay_7 (G1), Kamaru_7 (DN1), Kareem_7 (G1), Kasen3_7 (G1), Kenna_7 (DN1), Lemuria_7 (G4), Leroy_7 (DN1), Liefie_7 (G1), LitninMcQueen_7 (DN1), LouisV14_7 (G1), Lucky10_6 (DH), Lutum_7 (DN1), MOOREtheMARYer_7 (G3), Malisha_7 (DN), Marmie_7 (G1), Mercurio_8 (G4), Morkie_6 (DH), Mowgli_7 (G1), MrSmee_6 (UNK), ODay_7 (DN), OctaviousRex_7 (G1), Ogopogo_8 (F1), Olga_7 (G1), P3MA_7 (singleton), Pace1224_7 (G2), Paito_7 (G1), Peeb_7 (G1), Periodt_7 (G1), Periwinkle_7 (DN1), Phabuloso_7 (DN1), Phish_7 (G1), Phistory_7 (DN1), PhorbesPhlower_6 (DH), Phreak_7 (G1), PinkYoshi_7 (G1), Pinnie_8 (G3), Pitbull_6 (FQ), Plagueis_7 (G1), Rabbs_7 (G1), Raqqa_7 (AY), Remy19_7 (G1), Renaissance_7 (G1), Schiebel_7 (G1), ShaboiShabazz_7 (G1), Sizemore_7 (G1), Sneeze_7 (G1), Soul22_7 (F2), Spooky_7 (DN2), Squiddly_8 (DN2), Stargaze_7 (G5), Sweets_7 (G1), Taheera_7 (G1), Terror_7 (G1), TomBrady_7 (G1), Whitney_7 (DN1), Yoshi_7 (F2), Zapner_8 (F2), ZoMa_7 (G1), Zombie_7 (G1),

Summary by clusters:

There are 41 clusters represented in this pham: DN, FQ, singleton, DH, BU, A15, A14, G5, G4, A11, A10, G1, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, A, F, CA, DN2, A17, FP, A16, DN1, AY, G3, UNK, G2, CT, A20, F1, F2, A13,

Info for manual annotations of cluster A:
•Start number 11 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A1:

•Start number 5 was manually annotated 196 times for cluster A1.
•Start number 11 was manually annotated 5 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 5 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 4 was manually annotated 23 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 5 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 11 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:
•Start number 5 was manually annotated 21 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 5 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 15 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 5 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 1 was manually annotated 2 times for cluster A2.
•Start number 3 was manually annotated 1 time for cluster A2.
•Start number 4 was manually annotated 10 times for cluster A2.
•Start number 5 was manually annotated 84 times for cluster A2.
•Start number 11 was manually annotated 4 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 5 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:
•Start number 7 was manually annotated 111 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 5 was manually annotated 135 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 15 was manually annotated 37 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 2 was manually annotated 1 time for cluster A6.
•Start number 4 was manually annotated 39 times for cluster A6.

Info for manual annotations of cluster A7:

•Start number 5 was manually annotated 3 times for cluster A7.
•Start number 6 was manually annotated 1 time for cluster A7.
•Start number 7 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:
•Start number 15 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 5 was manually annotated 33 times for cluster A9.

Info for manual annotations of cluster AY:
•Start number 25 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster BU:
•Start number 23 was manually annotated 3 times for cluster BU.
•Start number 24 was manually annotated 40 times for cluster BU.

Info for manual annotations of cluster CA:
•Start number 16 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CT:
•Start number 9 was manually annotated 33 times for cluster CT.
•Start number 14 was manually annotated 2 times for cluster CT.
•Start number 18 was manually annotated 6 times for cluster CT.
•Start number 19 was manually annotated 9 times for cluster CT.

Info for manual annotations of cluster DH:
•Start number 25 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DN:
•Start number 25 was manually annotated 4 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 25 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 25 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster F1:
•Start number 25 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:
•Start number 25 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster FP:
•Start number 21 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster G1:
•Start number 25 was manually annotated 58 times for cluster G1.

Info for manual annotations of cluster G2:

•Start number 25 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 25 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 25 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 25 was manually annotated 1 time for cluster G5.

Gene Information:

Gene: 20ES_16 Start: 12180, Stop: 13136, Start Num: 5
Candidate Starts for 20ES_16:
(Start: 5 @12180 has 499 MA's), (17, 12204), (29, 12240), (46, 12336), (57, 12378), (61, 12408), (64, 12432), (75, 12477), (84, 12528), (87, 12540), (96, 12588), (123, 12690), (137, 12747), (186, 12975), (194, 13026),

Gene: 40AC_19 Start: 14194, Stop: 15159, Start Num: 5
Candidate Starts for 40AC_19:
(Start: 5 @14194 has 499 MA's), (29, 14254), (46, 14350), (57, 14392), (61, 14422), (64, 14446), (75, 14491), (84, 14542), (92, 14572), (110, 14656), (162, 14881), (180, 14956), (186, 14992), (194, 15043), (213, 15139),

Gene: A6_13 Start: 11166, Stop: 12167, Start Num: 5
Candidate Starts for A6_13:
(Start: 5 @11166 has 499 MA's), (42, 11310), (51, 11361), (54, 11376), (76, 11496), (80, 11517), (94, 11592), (108, 11652), (119, 11703), (132, 11754), (152, 11838), (186, 12015), (194, 12054), (195, 12060), (212, 12144),

Gene: ACFishhook_17 Start: 11691, Stop: 12689, Start Num: 7
Candidate Starts for ACFishhook_17:
(Start: 7 @11691 has 112 MA's), (46, 11832), (70, 11952), (79, 11991), (84, 12024), (130, 12222), (148, 12291), (152, 12318), (168, 12399), (186, 12492), (192, 12537), (193, 12543), (196, 12576), (205, 12612), (209, 12636),

Gene: AFIS_15 Start: 11504, Stop: 12505, Start Num: 5
Candidate Starts for AFIS_15:
(Start: 5 @11504 has 499 MA's), (42, 11648), (51, 11699), (54, 11714), (76, 11834), (80, 11855), (94, 11930), (108, 11990), (132, 12092), (152, 12176), (178, 12296), (186, 12353), (194, 12392), (195, 12398), (205, 12449),

Gene: AN3_16 Start: 12170, Stop: 13126, Start Num: 5
Candidate Starts for AN3_16:
(Start: 5 @12170 has 499 MA's), (17, 12194), (29, 12230), (46, 12326), (57, 12368), (61, 12398), (64, 12422), (75, 12467), (84, 12518), (87, 12530), (96, 12578), (123, 12680), (137, 12737), (186, 12965), (194, 13016),

Gene: AN9_19 Start: 12128, Stop: 13129, Start Num: 5

Candidate Starts for AN9_19:
(Start: 5 @12128 has 499 MA's), (29, 12188), (45, 12278), (46, 12284), (57, 12326), (61, 12356), (64, 12380), (75, 12425), (84, 12476), (87, 12488), (92, 12506), (126, 12656), (186, 12956), (194, 13007), (208, 13076), (209, 13088),

Gene: ANI8_19 Start: 12128, Stop: 13129, Start Num: 5
Candidate Starts for ANI8_19:
(Start: 5 @12128 has 499 MA's), (29, 12188), (45, 12278), (46, 12284), (57, 12326), (61, 12356), (64, 12380), (75, 12425), (84, 12476), (87, 12488), (92, 12506), (126, 12656), (186, 12956), (194, 13007), (208, 13076), (209, 13088),

Gene: ATCC29399BC_6 Start: 4644, Stop: 5591, Start Num: 24
Candidate Starts for ATCC29399BC_6:
(Start: 24 @4644 has 40 MA's), (33, 4692), (40, 4734), (48, 4776), (53, 4788), (71, 4887), (72, 4890), (79, 4920), (83, 4950), (131, 5157), (136, 5181), (147, 5217), (151, 5253), (156, 5280), (161, 5298), (170, 5340), (198, 5484), (204, 5511), (211, 5544),

Gene: ATCC29399BT_6 Start: 4640, Stop: 5587, Start Num: 24
Candidate Starts for ATCC29399BT_6:
(Start: 23 @4637 has 3 MA's), (Start: 24 @4640 has 40 MA's), (33, 4688), (48, 4772), (72, 4886), (79, 4916), (83, 4946), (94, 4997), (105, 5054), (108, 5060), (131, 5153), (136, 5177), (147, 5213), (151, 5249), (170, 5336), (198, 5480), (204, 5507), (211, 5540),

Gene: AbbyDaisy_7 Start: 5038, Stop: 5925, Start Num: 25
Candidate Starts for AbbyDaisy_7:
(Start: 25 @5038 has 101 MA's), (40, 5125), (46, 5152), (59, 5209), (66, 5257), (74, 5290), (78, 5308), (130, 5530), (153, 5632),

Gene: AbbyPaige_18 Start: 12625, Stop: 13581, Start Num: 5
Candidate Starts for AbbyPaige_18:
(Start: 5 @12625 has 499 MA's), (29, 12685), (37, 12733), (40, 12754), (46, 12781), (57, 12823), (61, 12853), (64, 12877), (84, 12973), (87, 12985), (117, 13108), (123, 13135), (130, 13162), (141, 13207), (179, 13366), (180, 13384), (186, 13420), (194, 13471),

Gene: AbbysRanger_15 Start: 11509, Stop: 12441, Start Num: 5
Candidate Starts for AbbysRanger_15:
(Start: 5 @11509 has 499 MA's), (29, 11569), (46, 11665), (47, 11680), (61, 11737), (64, 11761), (84, 11857), (108, 11962), (144, 12085), (152, 12127), (186, 12289), (194, 12340), (201, 12376), (208, 12409),

Gene: Abbyshoes_16 Start: 11593, Stop: 12609, Start Num: 5
Candidate Starts for Abbyshoes_16:
(Start: 5 @11593 has 499 MA's), (51, 11788), (54, 11803), (57, 11818), (68, 11890), (76, 11923), (80, 11944), (94, 12019), (108, 12079), (152, 12265), (185, 12436), (186, 12442), (195, 12499), (202, 12535),

Gene: Abdiel_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Abdiel_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Abrogate_160 Start: 12249, Stop: 13256, Start Num: 5

Candidate Starts for Abrogate_160:
(Start: 5 @12249 has 499 MA's), (42, 12393), (51, 12444), (54, 12459), (76, 12579), (80, 12600), (94, 12675), (108, 12735), (119, 12786), (127, 12819), (132, 12837), (152, 12921), (185, 13092), (186, 13098), (195, 13152),

Gene: Achebe_15 Start: 11488, Stop: 12420, Start Num: 5
Candidate Starts for Achebe_15:
(Start: 5 @11488 has 499 MA's), (29, 11548), (46, 11644), (47, 11659), (59, 11701), (61, 11716), (64, 11740), (84, 11836), (92, 11866), (101, 11920), (144, 12064), (152, 12106), (186, 12268), (194, 12319), (201, 12355), (208, 12388),

Gene: Acme_17 Start: 11940, Stop: 12950, Start Num: 5
Candidate Starts for Acme_17:
(Start: 5 @11940 has 499 MA's), (42, 12084), (51, 12135), (54, 12150), (76, 12270), (80, 12291), (94, 12366), (108, 12426), (127, 12510), (132, 12528), (152, 12612), (185, 12783), (186, 12789), (195, 12843),

Gene: Acolyte_16 Start: 12319, Stop: 13275, Start Num: 5
Candidate Starts for Acolyte_16:
(Start: 5 @12319 has 499 MA's), (29, 12379), (40, 12448), (45, 12469), (46, 12475), (57, 12517), (61, 12547), (64, 12571), (75, 12616), (84, 12667), (92, 12697), (115, 12802), (130, 12856), (180, 13078),

Gene: Adahisdi_16 Start: 11831, Stop: 12832, Start Num: 5
Candidate Starts for Adahisdi_16:
(Start: 5 @11831 has 499 MA's), (42, 11975), (51, 12026), (54, 12041), (76, 12161), (80, 12182), (94, 12257), (108, 12317), (127, 12401), (132, 12419), (152, 12503), (178, 12623), (186, 12680), (194, 12719), (195, 12725),

Gene: Adzzy_17 Start: 10935, Stop: 11891, Start Num: 5
Candidate Starts for Adzzy_17:
(Start: 5 @10935 has 499 MA's), (29, 10995), (45, 11085), (46, 11091), (57, 11133), (61, 11163), (64, 11187), (75, 11232), (84, 11283), (87, 11295), (92, 11313), (115, 11418), (130, 11472), (141, 11517), (157, 11592), (159, 11601), (179, 11676),

Gene: Aeneas_17 Start: 11926, Stop: 12924, Start Num: 5
Candidate Starts for Aeneas_17:
(Start: 5 @11926 has 499 MA's), (42, 12070), (51, 12121), (54, 12136), (76, 12256), (80, 12277), (94, 12352), (108, 12412), (132, 12514), (152, 12598), (178, 12718), (186, 12775), (194, 12814), (195, 12820),

Gene: Agaliana_15 Start: 11642, Stop: 12658, Start Num: 5
Candidate Starts for Agaliana_15:
(Start: 5 @11642 has 499 MA's), (51, 11837), (54, 11852), (57, 11867), (68, 11939), (76, 11972), (80, 11993), (94, 12068), (108, 12128), (152, 12314), (185, 12485), (186, 12491), (195, 12548), (202, 12584), (205, 12599),

Gene: Agape74_18 Start: 12625, Stop: 13581, Start Num: 5
Candidate Starts for Agape74_18:
(Start: 5 @12625 has 499 MA's), (29, 12685), (37, 12733), (46, 12781), (57, 12823), (61, 12853), (64, 12877), (84, 12973), (87, 12985), (117, 13108), (123, 13135), (130, 13162), (141, 13207), (179, 13366), (180, 13384), (186, 13420), (194, 13471),

Gene: Agatha_8 Start: 5380, Stop: 6351, Start Num: 9

Candidate Starts for Agatha_8:
(Start: 9 @5380 has 33 MA's), (13, 5395), (26, 5431), (49, 5560), (60, 5608), (89, 5746), (96, 5782), (119, 5884), (154, 6037), (168, 6103), (201, 6259), (209, 6304),

Gene: AgentM_13 Start: 10877, Stop: 11809, Start Num: 15
Candidate Starts for AgentM_13:
(Start: 15 @10877 has 49 MA's), (46, 11006), (57, 11048), (61, 11078), (79, 11165), (84, 11198), (123, 11339), (152, 11462), (157, 11486), (169, 11546), (179, 11585), (181, 11606), (187, 11654), (196, 11711), (205, 11747), (209, 11771),

Gene: Aglet_17 Start: 11540, Stop: 12532, Start Num: 7
Candidate Starts for Aglet_17:
(Start: 7 @11540 has 112 MA's), (46, 11681), (70, 11801), (79, 11840), (84, 11873), (108, 11984), (130, 12071), (152, 12167), (168, 12248), (176, 12275), (179, 12287), (186, 12341), (192, 12386), (193, 12392), (196, 12425), (205, 12461), (209, 12485),

Gene: AgronaGT15_17 Start: 11447, Stop: 12439, Start Num: 7
Candidate Starts for AgronaGT15_17:
(Start: 7 @11447 has 112 MA's), (46, 11588), (70, 11708), (79, 11747), (84, 11780), (108, 11891), (130, 11978), (152, 12074), (168, 12155), (176, 12182), (179, 12194), (186, 12248), (192, 12293), (193, 12299), (196, 12332), (205, 12368), (209, 12392),

Gene: AikoCarson_7 Start: 5103, Stop: 6074, Start Num: 9
Candidate Starts for AikoCarson_7:
(Start: 9 @5103 has 33 MA's), (26, 5154), (77, 5412), (79, 5421), (89, 5466), (113, 5577), (119, 5604), (142, 5703), (154, 5757), (162, 5793), (163, 5796), (166, 5811), (168, 5823), (201, 5979), (209, 6024), (210, 6027),

Gene: Airmid_13 Start: 10628, Stop: 11569, Start Num: 15
Candidate Starts for Airmid_13:
(Start: 15 @10628 has 49 MA's), (46, 10757), (61, 10829), (79, 10916), (84, 10949), (92, 10979), (123, 11090), (152, 11213), (157, 11237), (169, 11297), (179, 11336), (181, 11357), (187, 11405), (196, 11462), (205, 11498), (209, 11522),

Gene: Ajay_15 Start: 11638, Stop: 12648, Start Num: 5
Candidate Starts for Ajay_15:
(Start: 5 @11638 has 499 MA's), (51, 11833), (54, 11848), (76, 11968), (80, 11989), (94, 12064), (108, 12124), (152, 12310), (185, 12481), (186, 12487), (195, 12544), (202, 12580),

Gene: Alatin_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Alatin_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: Albee_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Albee_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Alberto7_16 Start: 11784, Stop: 12716, Start Num: 5
Candidate Starts for Alberto7_16:

(Start: 5 @11784 has 499 MA's), (29, 11844), (46, 11940), (61, 12012), (64, 12036), (84, 12132), (101, 12216), (144, 12360), (152, 12402), (186, 12564), (189, 12597), (194, 12615), (201, 12651), (208, 12684),

Gene: Aliter_17 Start: 12776, Stop: 13735, Start Num: 5
Candidate Starts for Aliter_17:
(Start: 5 @12776 has 499 MA's), (29, 12836), (45, 12926), (46, 12932), (57, 12974), (61, 13004), (64, 13028), (75, 13073), (84, 13124), (87, 13136), (92, 13154), (120, 13277), (123, 13289), (179, 13520), (194, 13625),

Gene: Alma_17 Start: 12855, Stop: 13814, Start Num: 5
Candidate Starts for Alma_17:
(Start: 5 @12855 has 499 MA's), (29, 12915), (45, 13005), (46, 13011), (57, 13053), (61, 13083), (64, 13107), (75, 13152), (84, 13203), (87, 13215), (92, 13233), (120, 13356), (123, 13368), (179, 13599), (194, 13704),

Gene: Alpacados_11 Start: 7663, Stop: 8565, Start Num: 16
Candidate Starts for Alpacados_11:
(Start: 16 @7663 has 36 MA's), (46, 7792), (65, 7894), (76, 7936), (79, 7951), (84, 7984), (112, 8107), (148, 8239), (159, 8299), (165, 8332),

Gene: Alsfro_19 Start: 12380, Stop: 13387, Start Num: 5
Candidate Starts for Alsfro_19:
(Start: 5 @12380 has 499 MA's), (42, 12524), (51, 12575), (54, 12590), (76, 12710), (80, 12731), (94, 12806), (108, 12866), (132, 12968), (152, 13052), (158, 13082), (185, 13223), (186, 13229), (195, 13277),

Gene: Altman_16 Start: 12175, Stop: 13182, Start Num: 5
Candidate Starts for Altman_16:
(Start: 5 @12175 has 499 MA's), (42, 12319), (51, 12370), (54, 12385), (76, 12505), (80, 12526), (94, 12601), (108, 12661), (127, 12745), (132, 12763), (152, 12847), (185, 13018), (186, 13024), (190, 13057), (195, 13078), (205, 13129),

Gene: Alvin_16 Start: 11849, Stop: 12859, Start Num: 5
Candidate Starts for Alvin_16:
(Start: 5 @11849 has 499 MA's), (42, 11993), (51, 12044), (54, 12059), (76, 12179), (80, 12200), (94, 12275), (100, 12308), (108, 12335), (127, 12419), (132, 12437), (152, 12521), (178, 12641), (186, 12698), (195, 12746),

Gene: Amok_7 Start: 5104, Stop: 6075, Start Num: 9
Candidate Starts for Amok_7:
(Start: 9 @5104 has 33 MA's), (26, 5155), (66, 5368), (77, 5413), (79, 5422), (89, 5467), (113, 5578), (119, 5605), (154, 5758), (162, 5794), (163, 5797), (168, 5824), (201, 5980), (209, 6025), (210, 6028),

Gene: Anaysia_18 Start: 11295, Stop: 12245, Start Num: 5
Candidate Starts for Anaysia_18:
(Start: 5 @11295 has 499 MA's), (29, 11355), (46, 11451), (61, 11523), (64, 11547), (75, 11592), (84, 11643), (92, 11673), (181, 12051), (201, 12171), (209, 12216),

Gene: AndPeggy_7 Start: 5411, Stop: 6367, Start Num: 9
Candidate Starts for AndPeggy_7:
(Start: 9 @5411 has 33 MA's), (26, 5453), (66, 5666), (77, 5711), (79, 5720), (89, 5765), (113, 5876), (142, 6002), (154, 6056), (162, 6092), (163, 6095), (168, 6122), (201, 6278), (209, 6323), (210, 6326),

Gene: Aneem_16 Start: 12699, Stop: 13688, Start Num: 4
Candidate Starts for Aneem_16:
(Start: 4 @12699 has 72 MA's), (29, 12759), (33, 12789), (45, 12849), (46, 12855), (57, 12897), (61, 12927), (64, 12951), (75, 12996), (84, 13047), (87, 13059), (92, 13077), (110, 13161), (120, 13197), (123, 13209), (130, 13236), (186, 13494), (204, 13599),

Gene: Angel_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Angel_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Anglerfish_16 Start: 12562, Stop: 13578, Start Num: 5
Candidate Starts for Anglerfish_16:
(Start: 5 @12562 has 499 MA's), (51, 12757), (54, 12772), (57, 12787), (68, 12859), (76, 12892), (80, 12913), (94, 12988), (108, 13048), (152, 13234), (185, 13405), (186, 13411), (195, 13468), (202, 13504), (205, 13519),

Gene: AngryOrchard_11 Start: 7646, Stop: 8548, Start Num: 16
Candidate Starts for AngryOrchard_11:
(Start: 16 @7646 has 36 MA's), (46, 7775), (65, 7877), (76, 7919), (79, 7934), (84, 7967), (148, 8222), (159, 8282), (165, 8315),

Gene: AnnaL29_19 Start: 14013, Stop: 14969, Start Num: 5
Candidate Starts for AnnaL29_19:
(Start: 5 @14013 has 499 MA's), (29, 14073), (40, 14142), (46, 14169), (57, 14211), (61, 14241), (64, 14265), (75, 14310), (84, 14361), (92, 14391), (96, 14421), (110, 14475), (117, 14496), (130, 14550), (141, 14595), (162, 14697), (180, 14772), (186, 14808), (194, 14859),

Gene: Annihilator_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Annihilator_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Annyong_15 Start: 11480, Stop: 12412, Start Num: 5
Candidate Starts for Annyong_15:
(Start: 5 @11480 has 499 MA's), (29, 11540), (46, 11636), (61, 11708), (64, 11732), (84, 11828), (101, 11912), (144, 12056), (152, 12098), (186, 12260), (189, 12293), (194, 12311), (201, 12347), (208, 12380),

Gene: Anon_16 Start: 11653, Stop: 12609, Start Num: 5
Candidate Starts for Anon_16:
(Start: 5 @11653 has 499 MA's), (29, 11713), (46, 11809), (61, 11881), (64, 11905), (75, 11950), (84, 12001), (87, 12013), (92, 12031), (209, 12580),

Gene: Anselm_16 Start: 12272, Stop: 13228, Start Num: 5
Candidate Starts for Anselm_16:
(Start: 5 @12272 has 499 MA's), (29, 12332), (37, 12380), (46, 12428), (57, 12470), (61, 12500), (64, 12524), (75, 12569), (84, 12620), (92, 12650), (117, 12755), (130, 12809), (141, 12854), (179, 13013), (180, 13031), (186, 13067), (194, 13118),

Gene: Anthony_15 Start: 10391, Stop: 11347, Start Num: 5
Candidate Starts for Anthony_15:

(Start: 5 @10391 has 499 MA's), (29, 10451), (32, 10478), (40, 10520), (45, 10541), (46, 10547), (57, 10589), (61, 10619), (64, 10643), (75, 10688), (79, 10706), (84, 10739), (87, 10751), (92, 10769), (115, 10874), (130, 10928), (139, 10970), (159, 11057), (194, 11237), (204, 11291),

Gene: Antsirabe_7 Start: 7265, Stop: 8191, Start Num: 25
Candidate Starts for Antsirabe_7:
(Start: 25 @7265 has 101 MA's), (35, 7322), (36, 7325), (40, 7352), (66, 7484), (74, 7517), (83, 7568), (96, 7628), (104, 7667), (109, 7685), (128, 7766), (157, 7898), (164, 7928), (166, 7940), (186, 8057), (209, 8165), (216, 8183),

Gene: Anubis_19 Start: 11425, Stop: 12417, Start Num: 7
Candidate Starts for Anubis_19:
(Start: 7 @11425 has 112 MA's), (46, 11566), (70, 11686), (79, 11725), (84, 11758), (108, 11869), (130, 11956), (152, 12052), (168, 12133), (176, 12160), (179, 12172), (186, 12226), (192, 12271), (193, 12277), (196, 12310), (205, 12346), (209, 12370),

Gene: AppleCloud_10 Start: 7410, Stop: 8312, Start Num: 16
Candidate Starts for AppleCloud_10:
(Start: 16 @7410 has 36 MA's), (46, 7539), (65, 7641), (76, 7683), (79, 7698), (84, 7731), (148, 7986), (159, 8046), (165, 8079),

Gene: Applejack_15 Start: 11575, Stop: 12573, Start Num: 5
Candidate Starts for Applejack_15:
(Start: 5 @11575 has 499 MA's), (42, 11719), (51, 11770), (54, 11785), (76, 11905), (80, 11926), (94, 12001), (108, 12061), (127, 12145), (132, 12163), (152, 12247), (178, 12367), (186, 12424), (194, 12463), (195, 12469),

Gene: Aquarius_6 Start: 4637, Stop: 5581, Start Num: 24
Candidate Starts for Aquarius_6:
(Start: 24 @4637 has 40 MA's), (33, 4685), (40, 4727), (48, 4769), (53, 4781), (72, 4883), (76, 4898), (79, 4913), (84, 4946), (94, 4994), (108, 5057), (131, 5150), (136, 5174), (143, 5198), (147, 5210), (151, 5246), (156, 5273), (166, 5315), (170, 5333), (176, 5351), (195, 5456), (198, 5477), (203, 5495), (204, 5504), (210, 5534), (211, 5537),

Gene: ArV2_06 Start: 4761, Stop: 5657, Start Num: 22
Candidate Starts for ArV2_06:
(22, 4761), (26, 4782), (40, 4860), (45, 4881), (75, 5028), (82, 5070), (130, 5262), (152, 5358), (181, 5481), (186, 5514), (197, 5577),

Gene: Aragog_13 Start: 10907, Stop: 11839, Start Num: 15
Candidate Starts for Aragog_13:
(Start: 15 @10907 has 49 MA's), (46, 11036), (57, 11078), (61, 11108), (79, 11195), (84, 11228), (123, 11369), (152, 11492), (157, 11516), (169, 11576), (179, 11615), (181, 11636), (187, 11684), (196, 11741), (205, 11777), (209, 11801),

Gene: Arcanine_16 Start: 11512, Stop: 12528, Start Num: 5
Candidate Starts for Arcanine_16:
(Start: 5 @11512 has 499 MA's), (51, 11707), (54, 11722), (76, 11842), (80, 11863), (94, 11938), (108, 11998), (152, 12184), (185, 12355), (186, 12361), (195, 12418), (202, 12454),

Gene: ArcherNM_18 Start: 13960, Stop: 14916, Start Num: 5
Candidate Starts for ArcherNM_18:

(Start: 5 @13960 has 499 MA's), (29, 14020), (46, 14116), (57, 14158), (61, 14188), (64, 14212), (75, 14257), (84, 14308), (87, 14320), (96, 14368), (117, 14443), (123, 14470), (130, 14497), (141, 14542), (179, 14701), (180, 14719), (186, 14755), (194, 14806),

Gene: Archetta_13 Start: 10620, Stop: 11552, Start Num: 15
Candidate Starts for Archetta_13:
(Start: 15 @10620 has 49 MA's), (46, 10749), (61, 10821), (79, 10908), (84, 10941), (123, 11082), (152, 11205), (157, 11229), (169, 11289), (179, 11328), (181, 11349), (187, 11397), (196, 11454), (205, 11490), (209, 11514),

Gene: Arissanae_15 Start: 10971, Stop: 11939, Start Num: 5
Candidate Starts for Arissanae_15:
(Start: 5 @10971 has 499 MA's), (29, 11031), (46, 11127), (61, 11199), (64, 11223), (75, 11268), (84, 11319), (92, 11349), (117, 11454), (130, 11508), (199, 11859),

Gene: Arlo_14 Start: 11200, Stop: 12207, Start Num: 5
Candidate Starts for Arlo_14:
(Start: 5 @11200 has 499 MA's), (54, 11410), (76, 11530), (80, 11551), (94, 11626), (111, 11707), (127, 11770), (132, 11788), (152, 11872), (186, 12049), (195, 12097),

Gene: Aroostook_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Aroostook_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Artemis2UCLA_19 Start: 12118, Stop: 13089, Start Num: 4
Candidate Starts for Artemis2UCLA_19:
(Start: 4 @12118 has 72 MA's), (29, 12178), (46, 12274), (57, 12316), (61, 12346), (64, 12370), (75, 12415), (84, 12466), (87, 12478), (92, 12496), (120, 12601), (162, 12787), (209, 13060),

Gene: Arturo_14 Start: 11593, Stop: 12525, Start Num: 5
Candidate Starts for Arturo_14:
(Start: 5 @11593 has 499 MA's), (29, 11653), (46, 11749), (61, 11821), (64, 11845), (84, 11941), (101, 12025), (144, 12169), (152, 12211), (186, 12373), (189, 12406), (194, 12424), (201, 12460), (208, 12493),

Gene: Asapag_7 Start: 4897, Stop: 5835, Start Num: 25
Candidate Starts for Asapag_7:
(Start: 25 @4897 has 101 MA's), (33, 4939), (34, 4942), (52, 5032), (71, 5134), (85, 5206), (86, 5209), (129, 5398), (164, 5551), (166, 5563), (176, 5626), (184, 5680), (207, 5785), (210, 5806),

Gene: Ashballer_14 Start: 11579, Stop: 12577, Start Num: 5
Candidate Starts for Ashballer_14:
(Start: 5 @11579 has 499 MA's), (42, 11723), (51, 11774), (54, 11789), (76, 11909), (80, 11930), (94, 12005), (108, 12065), (132, 12167), (152, 12251), (178, 12371), (186, 12428), (194, 12467), (195, 12473),

Gene: Astro_13 Start: 10381, Stop: 11331, Start Num: 15
Candidate Starts for Astro_13:
(Start: 15 @10381 has 49 MA's), (46, 10510), (57, 10552), (79, 10669), (84, 10702), (98, 10777), (125, 10861), (148, 10951), (152, 10978), (159, 11011), (169, 11062), (179, 11101), (196, 11227), (205, 11263),

Gene: Atkinbua_16 Start: 11554, Stop: 12555, Start Num: 5
Candidate Starts for Atkinbua_16:
(Start: 5 @11554 has 499 MA's), (42, 11698), (54, 11764), (76, 11884), (80, 11905), (94, 11980), (108, 12040), (132, 12142), (152, 12226), (178, 12346), (186, 12403), (194, 12442), (195, 12448),

Gene: Attacne_6 Start: 4645, Stop: 5592, Start Num: 24
Candidate Starts for Attacne_6:
(Start: 24 @4645 has 40 MA's), (33, 4693), (40, 4735), (48, 4777), (53, 4789), (72, 4891), (79, 4921), (83, 4951), (94, 5002), (105, 5059), (131, 5158), (136, 5182), (147, 5218), (151, 5254), (156, 5281), (170, 5341), (179, 5371), (198, 5485), (203, 5503), (204, 5512), (211, 5545),

Gene: AugsMagnumOpus_19 Start: 11531, Stop: 12523, Start Num: 7
Candidate Starts for AugsMagnumOpus_19:
(Start: 7 @11531 has 112 MA's), (46, 11672), (70, 11792), (79, 11831), (84, 11864), (108, 11975), (130, 12062), (152, 12158), (168, 12239), (176, 12266), (179, 12278), (186, 12332), (192, 12377), (193, 12383), (196, 12416), (205, 12452), (209, 12476),

Gene: Avani_7 Start: 4878, Stop: 5813, Start Num: 25
Candidate Starts for Avani_7:
(Start: 25 @4878 has 101 MA's), (35, 4932), (43, 4977), (52, 5013), (71, 5115), (86, 5190), (126, 5370), (142, 5436), (164, 5532), (171, 5565), (172, 5583), (176, 5607), (182, 5649), (203, 5748), (207, 5766), (210, 5787),

Gene: AvatarAhPeg_15 Start: 11447, Stop: 12379, Start Num: 5
Candidate Starts for AvatarAhPeg_15:
(Start: 5 @11447 has 499 MA's), (29, 11507), (46, 11603), (47, 11618), (61, 11675), (64, 11699), (84, 11795), (92, 11825), (101, 11879), (144, 12023), (152, 12065), (186, 12227), (189, 12260), (194, 12278), (208, 12347),

Gene: Avle17_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Avle17_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Avocado_7 Start: 7255, Stop: 8157, Start Num: 25
Candidate Starts for Avocado_7:
(Start: 25 @7255 has 101 MA's), (35, 7312), (36, 7315), (38, 7327), (40, 7342), (59, 7426), (66, 7474), (74, 7507), (83, 7558), (102, 7651), (109, 7675), (115, 7702), (124, 7729), (130, 7753), (164, 7909), (179, 7969),

Gene: Avrafan_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Avrafan_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Axym_8 Start: 5380, Stop: 6351, Start Num: 9
Candidate Starts for Axym_8:
(Start: 9 @5380 has 33 MA's), (13, 5395), (26, 5431), (49, 5560), (89, 5746), (96, 5782), (114, 5860), (119, 5884), (154, 6037), (168, 6103), (201, 6259), (209, 6304),

Gene: Azira_10 Start: 6293, Stop: 7219, Start Num: 19
Candidate Starts for Azira_10:

(Start: 19 @6293 has 9 MA's), (46, 6428), (68, 6539), (77, 6578), (83, 6608), (89, 6632), (96, 6668), (106, 6716), (113, 6743), (128, 6806), (129, 6809), (130, 6812), (154, 6923), (162, 6959), (166, 6977), (168, 6989), (183, 7058), (185, 7073), (200, 7142), (207, 7172),

Gene: B1_13 Start: 10746, Stop: 11738, Start Num: 7
Candidate Starts for B1_13:
(Start: 7 @10746 has 112 MA's), (13, 10755), (46, 10887), (70, 11007), (79, 11046), (84, 11079), (108, 11190), (110, 11199), (139, 11316), (152, 11370), (169, 11454), (186, 11544), (193, 11595), (196, 11628), (205, 11664),

Gene: BABullseye_19 Start: 12230, Stop: 13201, Start Num: 4
Candidate Starts for BABullseye_19:
(Start: 4 @12230 has 72 MA's), (29, 12290), (46, 12386), (57, 12428), (61, 12458), (64, 12482), (75, 12527), (84, 12578), (87, 12590), (92, 12608), (120, 12713), (162, 12899), (209, 13172),

Gene: BENtherdunthat_7 Start: 4897, Stop: 5835, Start Num: 25
Candidate Starts for BENtherdunthat_7:
(Start: 25 @4897 has 101 MA's), (33, 4939), (34, 4942), (52, 5032), (71, 5134), (85, 5206), (86, 5209), (129, 5398), (164, 5551), (166, 5563), (176, 5626), (184, 5680), (207, 5785), (210, 5806),

Gene: BK1_13 Start: 11166, Stop: 12167, Start Num: 5
Candidate Starts for BK1_13:
(Start: 5 @11166 has 499 MA's), (42, 11310), (51, 11361), (54, 11376), (76, 11496), (80, 11517), (94, 11592), (108, 11652), (119, 11703), (132, 11754), (152, 11838), (186, 12015), (194, 12054), (195, 12060), (212, 12144),

Gene: BPBiebs31_16 Start: 11839, Stop: 12840, Start Num: 5
Candidate Starts for BPBiebs31_16:
(Start: 5 @11839 has 499 MA's), (54, 12049), (76, 12169), (80, 12190), (94, 12265), (108, 12325), (132, 12427), (152, 12511), (178, 12631), (186, 12688), (194, 12730), (195, 12736),

Gene: BPs_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for BPs_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: BQuat_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for BQuat_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Baby16_15 Start: 11488, Stop: 12420, Start Num: 5
Candidate Starts for Baby16_15:
(Start: 5 @11488 has 499 MA's), (29, 11548), (46, 11644), (61, 11716), (64, 11740), (84, 11836), (101, 11920), (144, 12064), (152, 12106), (186, 12268), (189, 12301), (194, 12319), (201, 12355), (208, 12388),

Gene: BabyBack_18 Start: 13819, Stop: 14778, Start Num: 5
Candidate Starts for BabyBack_18:
(Start: 5 @13819 has 499 MA's), (29, 13879), (46, 13975), (57, 14017), (61, 14047), (64, 14071), (75, 14116), (84, 14167), (92, 14197), (130, 14356), (139, 14398), (152, 14452), (157, 14476),

Gene: BabyRay_15 Start: 11329, Stop: 12303, Start Num: 7

Candidate Starts for BabyRay_15:
(Start: 7 @11329 has 112 MA's), (46, 11470), (70, 11590), (79, 11629), (84, 11662), (108, 11773), (148, 11926), (152, 11953), (169, 12037), (177, 12064), (178, 12070), (186, 12127), (192, 12172), (193, 12178), (196, 12211), (205, 12247),

Gene: Bachome_16 Start: 12696, Stop: 13685, Start Num: 4
Candidate Starts for Bachome_16:
(Start: 4 @12696 has 72 MA's), (29, 12756), (33, 12786), (45, 12846), (46, 12852), (57, 12894), (61, 12924), (64, 12948), (75, 12993), (84, 13044), (87, 13056), (92, 13074), (110, 13158), (120, 13194), (123, 13206), (130, 13233), (186, 13491), (204, 13596),

Gene: Backyardigan_15 Start: 11500, Stop: 12432, Start Num: 5
Candidate Starts for Backyardigan_15:
(Start: 5 @11500 has 499 MA's), (29, 11560), (46, 11656), (47, 11671), (59, 11713), (61, 11728), (64, 11752), (84, 11848), (92, 11878), (101, 11932), (144, 12076), (152, 12118), (186, 12280), (194, 12331), (201, 12367), (208, 12400),

Gene: BaconJack_17 Start: 11618, Stop: 12628, Start Num: 5
Candidate Starts for BaconJack_17:
(Start: 5 @11618 has 499 MA's), (54, 11828), (76, 11948), (80, 11969), (94, 12044), (108, 12104), (127, 12188), (132, 12206), (152, 12290), (178, 12410), (186, 12467), (195, 12515),

Gene: Bactobuster_17 Start: 13897, Stop: 14853, Start Num: 5
Candidate Starts for Bactobuster_17:
(Start: 5 @13897 has 499 MA's), (29, 13957), (40, 14026), (46, 14053), (57, 14095), (61, 14125), (64, 14149), (75, 14194), (84, 14245), (92, 14275), (123, 14407), (137, 14464), (179, 14638), (186, 14692),

Gene: Badger_15 Start: 11489, Stop: 12421, Start Num: 5
Candidate Starts for Badger_15:
(Start: 5 @11489 has 499 MA's), (29, 11549), (46, 11645), (47, 11660), (59, 11702), (61, 11717), (64, 11741), (84, 11837), (92, 11867), (101, 11921), (144, 12065), (152, 12107), (186, 12269), (194, 12320), (201, 12356), (208, 12389),

Gene: Baehexic_17 Start: 12674, Stop: 13630, Start Num: 5
Candidate Starts for Baehexic_17:
(Start: 5 @12674 has 499 MA's), (12, 12689), (29, 12734), (46, 12830), (57, 12872), (61, 12902), (64, 12926), (75, 12971), (84, 13022), (92, 13052), (117, 13157), (123, 13184), (130, 13211), (141, 13256), (179, 13415), (180, 13433), (186, 13469), (194, 13520),

Gene: BaileyBlu_6 Start: 4654, Stop: 5565, Start Num: 21
Candidate Starts for BaileyBlu_6:
(Start: 21 @4654 has 2 MA's), (55, 4816), (64, 4882), (136, 5197), (140, 5212), (149, 5239), (154, 5272), (207, 5521),

Gene: BangNhom_14 Start: 11457, Stop: 12389, Start Num: 5
Candidate Starts for BangNhom_14:
(Start: 5 @11457 has 499 MA's), (29, 11517), (46, 11613), (47, 11628), (61, 11685), (64, 11709), (84, 11805), (92, 11835), (101, 11889), (144, 12033), (152, 12075), (186, 12237), (189, 12270), (194, 12288), (201, 12324), (208, 12357),

Gene: Barkley26_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Barkley26_7:

(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Barriga_15 Start: 11443, Stop: 12450, Start Num: 5
Candidate Starts for Barriga_15:
(Start: 5 @11443 has 499 MA's), (42, 11587), (44, 11596), (51, 11638), (54, 11653), (76, 11773), (80, 11794), (108, 11929), (132, 12031), (152, 12115), (158, 12145), (185, 12286), (186, 12292), (195, 12340),

Gene: Bartimeaus_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Bartimeaus_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Battleship_19 Start: 11410, Stop: 12360, Start Num: 5
Candidate Starts for Battleship_19:
(Start: 5 @11410 has 499 MA's), (29, 11470), (46, 11566), (61, 11638), (64, 11662), (75, 11707), (84, 11758), (92, 11788), (181, 12166), (201, 12286), (209, 12331),

Gene: Beatrix_14 Start: 12282, Stop: 13292, Start Num: 5
Candidate Starts for Beatrix_14:
(Start: 5 @12282 has 499 MA's), (42, 12426), (51, 12477), (54, 12492), (76, 12612), (80, 12633), (94, 12708), (108, 12768), (119, 12819), (127, 12852), (132, 12870), (152, 12954), (185, 13125), (186, 13131), (195, 13188), (205, 13239),

Gene: Beauxregard13_17 Start: 11539, Stop: 12531, Start Num: 7
Candidate Starts for Beauxregard13_17:
(Start: 7 @11539 has 112 MA's), (46, 11680), (70, 11800), (79, 11839), (84, 11872), (108, 11983), (130, 12070), (152, 12166), (168, 12247), (176, 12274), (179, 12286), (186, 12340), (192, 12385), (193, 12391), (196, 12424), (205, 12460), (209, 12484),

Gene: Beemo_17 Start: 12882, Stop: 13841, Start Num: 5
Candidate Starts for Beemo_17:
(Start: 5 @12882 has 499 MA's), (29, 12942), (45, 13032), (46, 13038), (57, 13080), (61, 13110), (64, 13134), (75, 13179), (84, 13230), (87, 13242), (92, 13260), (120, 13383), (123, 13395), (179, 13626), (194, 13731),

Gene: BeesKnees_16 Start: 11641, Stop: 12642, Start Num: 5
Candidate Starts for BeesKnees_16:
(Start: 5 @11641 has 499 MA's), (42, 11785), (51, 11836), (54, 11851), (76, 11971), (80, 11992), (94, 12067), (108, 12127), (127, 12211), (132, 12229), (152, 12313), (186, 12490), (194, 12532), (195, 12538),

Gene: Belenaria_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Belenaria_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: BellusTerra_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for BellusTerra_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208,

12379),

Gene: Benedict_13 Start: 10630, Stop: 11571, Start Num: 15
Candidate Starts for Benedict_13:
(Start: 15 @10630 has 49 MA's), (46, 10759), (61, 10831), (79, 10918), (84, 10951), (92, 10981), (123, 11092), (152, 11215), (157, 11239), (169, 11299), (179, 11338), (181, 11359), (187, 11407), (196, 11464), (205, 11500), (209, 11524),

Gene: BengiVuitton_17 Start: 12587, Stop: 13543, Start Num: 5
Candidate Starts for BengiVuitton_17:
(Start: 5 @12587 has 499 MA's), (17, 12611), (29, 12647), (46, 12743), (57, 12785), (61, 12815), (64, 12839), (75, 12884), (84, 12935), (87, 12947), (96, 12995), (123, 13097), (137, 13154), (186, 13382), (194, 13433),

Gene: Benvolio_16 Start: 12262, Stop: 13218, Start Num: 5
Candidate Starts for Benvolio_16:
(Start: 5 @12262 has 499 MA's), (29, 12322), (37, 12370), (40, 12391), (46, 12418), (57, 12460), (61, 12490), (75, 12559), (84, 12610), (117, 12745), (141, 12844), (180, 13021), (186, 13057), (194, 13108),

Gene: Bethlehem_15 Start: 12869, Stop: 13870, Start Num: 5
Candidate Starts for Bethlehem_15:
(Start: 5 @12869 has 499 MA's), (42, 13013), (51, 13064), (54, 13079), (76, 13199), (80, 13220), (94, 13295), (108, 13355), (132, 13457), (152, 13541), (186, 13718), (194, 13760), (195, 13766),

Gene: Bexan_14 Start: 12284, Stop: 13303, Start Num: 5
Candidate Starts for Bexan_14:
(Start: 5 @12284 has 499 MA's), (51, 12479), (54, 12494), (76, 12614), (80, 12635), (94, 12710), (108, 12770), (152, 12956), (185, 13127), (186, 13133), (195, 13190), (202, 13226),

Gene: BiancaTri92_18 Start: 13946, Stop: 14902, Start Num: 5
Candidate Starts for BiancaTri92_18:
(Start: 5 @13946 has 499 MA's), (29, 14006), (40, 14075), (46, 14102), (57, 14144), (61, 14174), (64, 14198), (75, 14243), (84, 14294), (92, 14324), (117, 14429), (123, 14456), (141, 14528), (179, 14687), (186, 14741), (194, 14792),

Gene: Big3_15 Start: 12226, Stop: 13224, Start Num: 5
Candidate Starts for Big3_15:
(Start: 5 @12226 has 499 MA's), (42, 12370), (51, 12421), (54, 12436), (76, 12556), (80, 12577), (94, 12652), (108, 12712), (127, 12796), (132, 12814), (152, 12898), (178, 13018), (186, 13075), (194, 13114), (195, 13120),

Gene: BigChungus_7 Start: 5120, Stop: 6079, Start Num: 9
Candidate Starts for BigChungus_7:
(Start: 9 @5120 has 33 MA's), (26, 5171), (50, 5300), (67, 5387), (77, 5429), (79, 5438), (89, 5483), (106, 5567), (130, 5663), (142, 5720), (154, 5774), (162, 5810), (207, 6023), (209, 6041),

Gene: BigMau_17 Start: 11807, Stop: 12808, Start Num: 5
Candidate Starts for BigMau_17:
(Start: 5 @11807 has 499 MA's), (54, 12017), (76, 12137), (80, 12158), (94, 12233), (108, 12293), (132, 12395), (152, 12479), (178, 12599), (186, 12656), (194, 12695), (195, 12701),

Gene: BigPaolini_16 Start: 12233, Stop: 13234, Start Num: 5

Candidate Starts for BigPaolini_16:
(Start: 5 @12233 has 499 MA's), (42, 12377), (51, 12428), (54, 12443), (76, 12563), (80, 12584), (94, 12659), (108, 12719), (132, 12821), (152, 12905), (178, 13025), (186, 13082), (194, 13121), (195, 13127), (212, 13211),

Gene: Bigfoot_14 Start: 11332, Stop: 12336, Start Num: 5
Candidate Starts for Bigfoot_14:
(Start: 5 @11332 has 499 MA's), (42, 11476), (44, 11485), (51, 11527), (54, 11542), (76, 11662), (80, 11683), (94, 11758), (108, 11818), (132, 11920), (152, 12004), (158, 12034), (178, 12124), (185, 12175), (186, 12181), (195, 12229),

Gene: BillDoor_10 Start: 5376, Stop: 6332, Start Num: 9
Candidate Starts for BillDoor_10:
(Start: 9 @5376 has 33 MA's), (26, 5418), (66, 5631), (77, 5676), (79, 5685), (89, 5730), (113, 5841), (128, 5904), (154, 6021), (162, 6057), (163, 6060), (168, 6087), (201, 6243), (209, 6288), (210, 6291),

Gene: BillKnuckles_16 Start: 12288, Stop: 13481, Start Num: 11
Candidate Starts for BillKnuckles_16:
(Start: 11 @12288 has 14 MA's), (29, 12336), (31, 12360), (46, 12432), (61, 12504), (64, 12528), (68, 12543), (84, 12624), (92, 12654), (126, 12780), (148, 12861), (152, 12888), (177, 12987), (208, 13170), (209, 13182), (220, 13314), (222, 13347), (224, 13368), (226, 13401),

Gene: Bircsak_15 Start: 11793, Stop: 12812, Start Num: 5
Candidate Starts for Bircsak_15:
(Start: 5 @11793 has 499 MA's), (51, 11988), (54, 12003), (76, 12123), (80, 12144), (94, 12219), (108, 12279), (152, 12465), (185, 12636), (186, 12642), (195, 12699), (202, 12735),

Gene: Biskit_9 Start: 5369, Stop: 6331, Start Num: 9
Candidate Starts for Biskit_9:
(Start: 9 @5369 has 33 MA's), (13, 5384), (26, 5411), (49, 5537), (53, 5546), (66, 5624), (77, 5669), (79, 5678), (89, 5723), (96, 5759), (113, 5834), (154, 6014), (162, 6050), (163, 6053), (168, 6080), (201, 6236), (207, 6263), (209, 6281),

Gene: Blackmoor_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Blackmoor_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Blarby_8 Start: 5402, Stop: 6337, Start Num: 25
Candidate Starts for Blarby_8:
(Start: 25 @5402 has 101 MA's), (34, 5447), (35, 5456), (43, 5501), (52, 5537), (71, 5639), (86, 5714), (126, 5894), (142, 5960), (164, 6056), (171, 6089), (172, 6107), (176, 6131), (182, 6173), (203, 6272), (207, 6290), (210, 6311),

Gene: Blinn1_19 Start: 12273, Stop: 13244, Start Num: 4
Candidate Starts for Blinn1_19:
(Start: 4 @12273 has 72 MA's), (29, 12333), (46, 12429), (57, 12471), (61, 12501), (64, 12525), (75, 12570), (84, 12621), (87, 12633), (92, 12651), (120, 12756), (162, 12942),

Gene: BluSpix_15 Start: 11591, Stop: 12589, Start Num: 5
Candidate Starts for BluSpix_15:

(Start: 5 @11591 has 499 MA's), (42, 11735), (51, 11786), (54, 11801), (76, 11921), (80, 11942), (94, 12017), (108, 12077), (132, 12179), (152, 12263), (178, 12383), (186, 12440), (194, 12479), (195, 12485),

Gene: Blue_15 Start: 11698, Stop: 12699, Start Num: 5
Candidate Starts for Blue_15:
(Start: 5 @11698 has 499 MA's), (42, 11842), (51, 11893), (54, 11908), (76, 12028), (80, 12049), (94, 12124), (108, 12184), (132, 12286), (152, 12370), (178, 12490), (186, 12547), (194, 12586), (195, 12592), (205, 12643),

Gene: Blue7_19 Start: 12209, Stop: 13180, Start Num: 4
Candidate Starts for Blue7_19:
(Start: 4 @12209 has 72 MA's), (29, 12269), (46, 12365), (57, 12407), (61, 12437), (64, 12461), (75, 12506), (84, 12557), (87, 12569), (92, 12587), (120, 12692),

Gene: BlueBird_16 Start: 11103, Stop: 12077, Start Num: 7
Candidate Starts for BlueBird_16:
(Start: 7 @11103 has 112 MA's), (46, 11244), (70, 11364), (79, 11403), (84, 11436), (139, 11673), (148, 11700), (152, 11727), (169, 11811), (186, 11901), (192, 11946), (193, 11952), (196, 11985), (205, 12021),

Gene: Bluefalcon_12 Start: 10877, Stop: 11809, Start Num: 15
Candidate Starts for Bluefalcon_12:
(Start: 15 @10877 has 49 MA's), (46, 11006), (57, 11048), (61, 11078), (79, 11165), (84, 11198), (123, 11339), (152, 11462), (157, 11486), (169, 11546), (179, 11585), (181, 11606), (187, 11654), (196, 11711), (205, 11747), (209, 11771),

Gene: Bob3_14 Start: 11147, Stop: 12148, Start Num: 5
Candidate Starts for Bob3_14:
(Start: 5 @11147 has 499 MA's), (54, 11357), (76, 11477), (80, 11498), (94, 11573), (108, 11633), (119, 11684), (120, 11687), (127, 11717), (132, 11735), (152, 11819), (186, 11996), (194, 12035), (195, 12041),

Gene: BobSwaget_19 Start: 13830, Stop: 14777, Start Num: 11
Candidate Starts for BobSwaget_19:
(8, 13824), (Start: 11 @13830 has 14 MA's), (29, 13881), (40, 13950), (46, 13977), (47, 13992), (57, 14019), (61, 14049), (68, 14088), (84, 14169), (106, 14271), (137, 14388), (157, 14478), (179, 14562), (186, 14616), (194, 14667),

Gene: BobbyDazzler_12 Start: 7772, Stop: 8674, Start Num: 16
Candidate Starts for BobbyDazzler_12:
(Start: 16 @7772 has 36 MA's), (46, 7901), (65, 8003), (76, 8045), (79, 8060), (84, 8093), (148, 8348), (159, 8408), (165, 8441),

Gene: BogosyJay_17 Start: 12633, Stop: 13592, Start Num: 5
Candidate Starts for BogosyJay_17:
(Start: 5 @12633 has 499 MA's), (29, 12693), (45, 12783), (46, 12789), (57, 12831), (61, 12861), (64, 12885), (75, 12930), (84, 12981), (92, 13011), (110, 13095), (120, 13134), (123, 13146), (162, 13320), (179, 13377), (194, 13482),

Gene: Bombshell_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Bombshell_15:

(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Bonamassa_13 Start: 10799, Stop: 11731, Start Num: 15
Candidate Starts for Bonamassa_13:
(Start: 15 @10799 has 49 MA's), (46, 10928), (57, 10970), (61, 11000), (79, 11087), (84, 11120), (152, 11384), (157, 11408), (169, 11468), (179, 11507), (181, 11528), (187, 11576), (196, 11633), (205, 11669), (209, 11693),

Gene: Bonanza_12 Start: 7701, Stop: 8603, Start Num: 16
Candidate Starts for Bonanza_12:
(Start: 16 @7701 has 36 MA's), (46, 7830), (65, 7932), (76, 7974), (79, 7989), (84, 8022), (112, 8145), (148, 8277), (159, 8337), (165, 8370),

Gene: Bones_15 Start: 11342, Stop: 12346, Start Num: 5
Candidate Starts for Bones_15:
(Start: 5 @11342 has 499 MA's), (42, 11486), (44, 11495), (51, 11537), (54, 11552), (76, 11672), (80, 11693), (94, 11768), (108, 11828), (132, 11930), (152, 12014), (158, 12044), (178, 12134), (185, 12185), (186, 12191), (195, 12239),

Gene: Boohoo_18 Start: 11295, Stop: 12245, Start Num: 5
Candidate Starts for Boohoo_18:
(Start: 5 @11295 has 499 MA's), (29, 11355), (46, 11451), (61, 11523), (64, 11547), (75, 11592), (84, 11643), (92, 11673), (181, 12051), (201, 12171), (209, 12216),

Gene: Bowtie_16 Start: 12699, Stop: 13688, Start Num: 4
Candidate Starts for Bowtie_16:
(Start: 4 @12699 has 72 MA's), (29, 12759), (33, 12789), (45, 12849), (46, 12855), (57, 12897), (61, 12927), (64, 12951), (75, 12996), (84, 13047), (87, 13059), (92, 13077), (110, 13161), (120, 13197), (123, 13209), (130, 13236), (186, 13494), (204, 13599),

Gene: Bradshaw_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Bradshaw_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: BreSam8_17 Start: 11532, Stop: 12524, Start Num: 7
Candidate Starts for BreSam8_17:
(Start: 7 @11532 has 112 MA's), (46, 11673), (70, 11793), (79, 11832), (84, 11865), (108, 11976), (130, 12063), (152, 12159), (168, 12240), (176, 12267), (179, 12279), (186, 12333), (192, 12378), (193, 12384), (196, 12417), (205, 12453), (209, 12477),

Gene: Briton15_17 Start: 11653, Stop: 12672, Start Num: 5
Candidate Starts for Briton15_17:
(Start: 5 @11653 has 499 MA's), (51, 11848), (54, 11863), (57, 11878), (68, 11950), (76, 11983), (80, 12004), (94, 12079), (108, 12139), (152, 12325), (185, 12496), (186, 12502), (195, 12559), (202, 12595),

Gene: Broseidon_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Broseidon_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208,

12379),

Gene: BruceB_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for BruceB_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: BruceLethal_6 Start: 4634, Stop: 5581, Start Num: 24
Candidate Starts for BruceLethal_6:
(Start: 23 @4631 has 3 MA's), (Start: 24 @4634 has 40 MA's), (33, 4682), (39, 4721), (48, 4766), (53, 4778), (63, 4841), (72, 4880), (79, 4910), (83, 4940), (94, 4991), (108, 5054), (131, 5147), (147, 5207), (151, 5243), (161, 5288), (170, 5330), (195, 5453), (198, 5474), (203, 5492), (204, 5501), (211, 5534),

Gene: Bruiser_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Bruiser_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Bruns_14 Start: 11511, Stop: 12518, Start Num: 5
Candidate Starts for Bruns_14:
(Start: 5 @11511 has 499 MA's), (42, 11655), (44, 11664), (51, 11706), (54, 11721), (76, 11841), (80, 11862), (94, 11937), (108, 11997), (132, 12099), (152, 12183), (158, 12213), (185, 12354), (186, 12360), (195, 12408),

Gene: Bryce_12 Start: 7701, Stop: 8603, Start Num: 16
Candidate Starts for Bryce_12:
(Start: 16 @7701 has 36 MA's), (46, 7830), (65, 7932), (76, 7974), (79, 7989), (84, 8022), (148, 8277), (159, 8337), (165, 8370),

Gene: BubbleTrouble_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for BubbleTrouble_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Bud_16 Start: 12705, Stop: 13694, Start Num: 4
Candidate Starts for Bud_16:
(Start: 4 @12705 has 72 MA's), (29, 12765), (33, 12795), (45, 12855), (46, 12861), (57, 12903), (61, 12933), (64, 12957), (75, 13002), (84, 13053), (87, 13065), (92, 13083), (110, 13167), (120, 13203), (123, 13215), (130, 13242), (186, 13500), (204, 13605),

Gene: Budski_7 Start: 4901, Stop: 5842, Start Num: 25
Candidate Starts for Budski_7:
(Start: 25 @4901 has 101 MA's), (52, 5036), (66, 5117), (71, 5138), (86, 5213), (114, 5339), (160, 5540), (164, 5558), (171, 5591), (182, 5675), (210, 5813),

Gene: Bugatti_15 Start: 11103, Stop: 12077, Start Num: 7
Candidate Starts for Bugatti_15:
(Start: 7 @11103 has 112 MA's), (46, 11244), (70, 11364), (79, 11403), (84, 11436), (139, 11673), (148, 11700), (152, 11727), (169, 11811), (186, 11901), (192, 11946), (193, 11952), (196, 11985), (205, 12021),

Gene: Bugsy_18 Start: 12624, Stop: 13580, Start Num: 5
Candidate Starts for Bugsy_18:
(Start: 5 @12624 has 499 MA's), (29, 12684), (37, 12732), (40, 12753), (46, 12780), (57, 12822), (61, 12852), (64, 12876), (84, 12972), (87, 12984), (117, 13107), (123, 13134), (130, 13161), (141, 13206), (179, 13365), (180, 13383), (186, 13419), (194, 13470),

Gene: Bumblebee11_15 Start: 11491, Stop: 12423, Start Num: 5
Candidate Starts for Bumblebee11_15:
(Start: 5 @11491 has 499 MA's), (29, 11551), (46, 11647), (47, 11662), (61, 11719), (64, 11743), (84, 11839), (101, 11923), (144, 12067), (152, 12109), (186, 12271), (189, 12304), (201, 12358), (208, 12391),

Gene: Burger_14 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Burger_14:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Burnsey_8 Start: 5380, Stop: 6351, Start Num: 9
Candidate Starts for Burnsey_8:
(Start: 9 @5380 has 33 MA's), (13, 5395), (26, 5431), (49, 5560), (89, 5746), (96, 5782), (119, 5884), (154, 6037), (168, 6103), (201, 6259), (209, 6304),

Gene: Burton_16 Start: 11710, Stop: 12711, Start Num: 5
Candidate Starts for Burton_16:
(Start: 5 @11710 has 499 MA's), (54, 11920), (76, 12040), (80, 12061), (94, 12136), (108, 12196), (132, 12298), (152, 12382), (178, 12502), (186, 12559), (194, 12601), (195, 12607),

Gene: Button_9 Start: 5455, Stop: 6384, Start Num: 18
Candidate Starts for Button_9:
(Start: 18 @5455 has 6 MA's), (33, 5521), (53, 5617), (58, 5644), (77, 5740), (79, 5749), (80, 5755), (89, 5794), (96, 5830), (106, 5878), (154, 6085), (162, 6121), (163, 6124), (201, 6307), (209, 6352),

Gene: Buttons_16 Start: 11781, Stop: 12800, Start Num: 5
Candidate Starts for Buttons_16:
(Start: 5 @11781 has 499 MA's), (51, 11976), (54, 11991), (68, 12078), (76, 12111), (80, 12132), (94, 12207), (108, 12267), (152, 12453), (185, 12624), (186, 12630), (195, 12687), (202, 12723),

Gene: Buttrmlkdreams_8 Start: 5370, Stop: 6326, Start Num: 9
Candidate Starts for Buttrmlkdreams_8:
(Start: 9 @5370 has 33 MA's), (13, 5385), (26, 5412), (49, 5538), (53, 5547), (66, 5625), (77, 5670), (79, 5679), (89, 5724), (96, 5760), (113, 5835), (154, 6015), (162, 6051), (163, 6054), (168, 6081), (201, 6237), (207, 6264), (209, 6282),

Gene: BuzzBuzz_16 Start: 11623, Stop: 12615, Start Num: 7
Candidate Starts for BuzzBuzz_16:
(Start: 7 @11623 has 112 MA's), (46, 11764), (70, 11884), (79, 11923), (84, 11956), (108, 12067), (130, 12154), (152, 12250), (168, 12331), (176, 12358), (179, 12370), (186, 12424), (192, 12469), (193, 12475), (196, 12508), (205, 12544), (209, 12568),

Gene: Bxb1_14 Start: 11657, Stop: 12850, Start Num: 11
Candidate Starts for Bxb1_14:

(Start: 11 @11657 has 14 MA's), (29, 11705), (31, 11729), (46, 11801), (61, 11873), (64, 11897), (68, 11912), (84, 11993), (92, 12023), (126, 12149), (148, 12230), (152, 12257), (177, 12356), (208, 12539), (209, 12551), (220, 12683), (222, 12716), (224, 12737), (226, 12770),

Gene: Bxz2_17 Start: 11633, Stop: 12625, Start Num: 7
Candidate Starts for Bxz2_17:
(Start: 7 @11633 has 112 MA's), (46, 11774), (70, 11894), (79, 11933), (84, 11966), (108, 12077), (130, 12164), (152, 12260), (168, 12341), (176, 12368), (179, 12380), (186, 12434), (192, 12479), (193, 12485), (196, 12518), (205, 12554), (209, 12578),

Gene: C3_14 Start: 12128, Stop: 13129, Start Num: 5
Candidate Starts for C3_14:
(Start: 5 @12128 has 499 MA's), (29, 12188), (45, 12278), (46, 12284), (57, 12326), (61, 12356), (64, 12380), (75, 12425), (84, 12476), (87, 12488), (92, 12506), (126, 12656), (186, 12956), (194, 13007), (208, 13076), (209, 13088),

Gene: CLED96_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for CLED96_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: CRB1_16 Start: 12145, Stop: 13101, Start Num: 5
Candidate Starts for CRB1_16:
(Start: 5 @12145 has 499 MA's), (29, 12205), (37, 12253), (40, 12274), (46, 12301), (57, 12343), (61, 12373), (64, 12397), (75, 12442), (84, 12493), (87, 12505), (92, 12523), (117, 12628), (123, 12655), (130, 12682), (141, 12727), (179, 12886), (180, 12904), (186, 12940),

Gene: CactusRose_14 Start: 11331, Stop: 12335, Start Num: 5
Candidate Starts for CactusRose_14:
(Start: 5 @11331 has 499 MA's), (42, 11475), (44, 11484), (51, 11526), (54, 11541), (76, 11661), (80, 11682), (94, 11757), (108, 11817), (132, 11919), (152, 12003), (158, 12033), (178, 12123), (185, 12174), (186, 12180), (195, 12228),

Gene: Caelakin_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Caelakin_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: CallinAllBarbz_6 Start: 4658, Stop: 5569, Start Num: 21
Candidate Starts for CallinAllBarbz_6:
(Start: 21 @4658 has 2 MA's), (55, 4820), (64, 4886), (97, 5033), (136, 5201), (140, 5216), (154, 5276), (157, 5288), (207, 5525), (209, 5543), (214, 5561),

Gene: Cambiare_8 Start: 7717, Stop: 8619, Start Num: 25
Candidate Starts for Cambiare_8:
(Start: 25 @7717 has 101 MA's), (35, 7774), (36, 7777), (38, 7789), (40, 7804), (59, 7888), (66, 7936), (74, 7969), (83, 8020), (102, 8113), (109, 8137), (115, 8164), (124, 8191), (130, 8215), (164, 8371), (179, 8431),

Gene: Camperdownii_14 Start: 11101, Stop: 12033, Start Num: 5
Candidate Starts for Camperdownii_14:

(Start: 5 @11101 has 499 MA's), (29, 11161), (46, 11257), (61, 11329), (64, 11353), (84, 11449), (92, 11479), (101, 11533), (144, 11677), (152, 11719), (186, 11881), (189, 11914), (194, 11932), (201, 11968), (208, 12001),

Gene: Camri_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Camri_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Candra_19 Start: 12273, Stop: 13244, Start Num: 4
Candidate Starts for Candra_19:
(Start: 4 @12273 has 72 MA's), (29, 12333), (46, 12429), (57, 12471), (61, 12501), (64, 12525), (75, 12570), (84, 12621), (87, 12633), (92, 12651), (120, 12756), (162, 12942), (209, 13215),

Gene: Caraxes_15 Start: 10834, Stop: 11790, Start Num: 5
Candidate Starts for Caraxes_15:
(Start: 5 @10834 has 499 MA's), (29, 10894), (45, 10984), (46, 10990), (57, 11032), (61, 11062), (64, 11086), (75, 11131), (84, 11182), (87, 11194), (92, 11212), (130, 11371), (141, 11416), (159, 11500), (179, 11575),

Gene: Carlyle_17 Start: 12178, Stop: 13182, Start Num: 5
Candidate Starts for Carlyle_17:
(Start: 5 @12178 has 499 MA's), (42, 12322), (51, 12373), (54, 12388), (76, 12508), (80, 12529), (94, 12604), (108, 12664), (132, 12766), (152, 12850), (178, 12970), (186, 13027), (194, 13066), (195, 13072), (202, 13108), (205, 13123),

Gene: CassieYates_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for CassieYates_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Catalina_17 Start: 12849, Stop: 13808, Start Num: 5
Candidate Starts for Catalina_17:
(Start: 5 @12849 has 499 MA's), (29, 12909), (45, 12999), (46, 13005), (57, 13047), (61, 13077), (64, 13101), (75, 13146), (84, 13197), (87, 13209), (92, 13227), (120, 13350), (123, 13362), (179, 13593), (194, 13698),

Gene: Caviar_16 Start: 11634, Stop: 12626, Start Num: 7
Candidate Starts for Caviar_16:
(Start: 7 @11634 has 112 MA's), (46, 11775), (79, 11934), (84, 11967), (128, 12159), (139, 12207), (148, 12234), (152, 12261), (168, 12342), (173, 12357), (179, 12381), (186, 12435), (192, 12480), (193, 12486), (196, 12519), (205, 12555), (214, 12597),

Gene: Cedasite_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Cedasite_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Centaur_18 Start: 12652, Stop: 13608, Start Num: 5
Candidate Starts for Centaur_18:
(Start: 5 @12652 has 499 MA's), (29, 12712), (40, 12781), (46, 12808), (57, 12850), (61, 12880), (64, 12904), (75, 12949), (84, 13000), (87, 13012), (117, 13135), (123, 13162), (130, 13189), (141, 13234), (179, 13393), (180, 13411), (186, 13447), (194, 13498),

Gene: CentreCat_15 Start: 11480, Stop: 12412, Start Num: 5
Candidate Starts for CentreCat_15:
(Start: 5 @11480 has 499 MA's), (29, 11540), (46, 11636), (61, 11708), (64, 11732), (84, 11828), (101, 11912), (144, 12056), (152, 12098), (186, 12260), (189, 12293), (194, 12311), (201, 12347), (208, 12380),

Gene: Cerulean_15 Start: 11458, Stop: 12390, Start Num: 5
Candidate Starts for Cerulean_15:
(Start: 5 @11458 has 499 MA's), (29, 11518), (46, 11614), (47, 11629), (61, 11686), (64, 11710), (84, 11806), (92, 11836), (101, 11890), (144, 12034), (152, 12076), (186, 12238), (189, 12271), (194, 12289), (201, 12325), (208, 12358),

Gene: Chadwick_14 Start: 10598, Stop: 11539, Start Num: 15
Candidate Starts for Chadwick_14:
(Start: 15 @10598 has 49 MA's), (46, 10727), (61, 10799), (79, 10886), (84, 10919), (92, 10949), (123, 11060), (126, 11075), (152, 11183), (157, 11207), (169, 11267), (179, 11306), (181, 11327), (187, 11375), (196, 11432), (205, 11468), (209, 11492),

Gene: ChampagnePapi_15 Start: 11457, Stop: 12389, Start Num: 5
Candidate Starts for ChampagnePapi_15:
(Start: 5 @11457 has 499 MA's), (29, 11517), (46, 11613), (47, 11628), (61, 11685), (64, 11709), (84, 11805), (92, 11835), (101, 11889), (144, 12033), (152, 12075), (186, 12237), (189, 12270), (194, 12288), (201, 12324), (208, 12357),

Gene: Chanagan_14 Start: 11173, Stop: 12174, Start Num: 5
Candidate Starts for Chanagan_14:
(Start: 5 @11173 has 499 MA's), (42, 11317), (51, 11368), (54, 11383), (76, 11503), (80, 11524), (94, 11599), (108, 11659), (132, 11761), (152, 11845), (178, 11965), (186, 12022), (194, 12061), (195, 12067), (212, 12151),

Gene: Chance64_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Chance64_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Changeling_19 Start: 14018, Stop: 14968, Start Num: 5
Candidate Starts for Changeling_19:
(Start: 5 @14018 has 499 MA's), (29, 14078), (40, 14147), (46, 14174), (57, 14216), (61, 14246), (64, 14270), (75, 14315), (84, 14366), (92, 14396), (110, 14480), (130, 14549), (141, 14594), (162, 14696), (179, 14753), (180, 14771), (186, 14807), (194, 14858),

Gene: Chaph_15 Start: 11488, Stop: 12420, Start Num: 5
Candidate Starts for Chaph_15:
(Start: 5 @11488 has 499 MA's), (29, 11548), (46, 11644), (61, 11716), (64, 11740), (84, 11836), (101, 11920), (144, 12064), (152, 12106), (186, 12268), (189, 12301), (194, 12319), (201, 12355), (208, 12388),

Gene: Chargerpower_16 Start: 11312, Stop: 12259, Start Num: 11
Candidate Starts for Chargerpower_16:
(Start: 11 @11312 has 14 MA's), (29, 11363), (46, 11459), (57, 11501), (61, 11531), (64, 11555), (75, 11600), (84, 11651), (87, 11663), (125, 11819), (156, 11957), (179, 12044), (186, 12098), (194, 12149),

Gene: Charm_16 Start: 11056, Stop: 12024, Start Num: 5
Candidate Starts for Charm_16:
(Start: 5 @11056 has 499 MA's), (29, 11116), (46, 11212), (57, 11254), (61, 11284), (64, 11308), (75, 11353), (84, 11404), (92, 11434), (130, 11593), (152, 11689),

Gene: Chartreuse_19 Start: 12187, Stop: 13158, Start Num: 4
Candidate Starts for Chartreuse_19:
(Start: 4 @12187 has 72 MA's), (29, 12247), (46, 12343), (57, 12385), (61, 12415), (64, 12439), (75, 12484), (84, 12535), (87, 12547), (92, 12565), (120, 12670), (162, 12856), (209, 13129),

Gene: Che12_17 Start: 10931, Stop: 11893, Start Num: 5
Candidate Starts for Che12_17:
(Start: 5 @10931 has 499 MA's), (29, 10991), (45, 11081), (46, 11087), (57, 11129), (61, 11159), (64, 11183), (75, 11228), (84, 11279), (87, 11291), (92, 11309), (123, 11441), (130, 11468), (141, 11513), (179, 11672), (213, 11873),

Gene: Che9d_7 Start: 4887, Stop: 5822, Start Num: 25
Candidate Starts for Che9d_7:
(Start: 25 @4887 has 101 MA's), (34, 4932), (35, 4941), (43, 4986), (52, 5022), (71, 5124), (86, 5199), (126, 5379), (142, 5445), (164, 5541), (171, 5574), (172, 5592), (176, 5616), (182, 5658), (203, 5757), (207, 5775), (210, 5796),

Gene: CheeseTouch_7 Start: 4901, Stop: 5842, Start Num: 25
Candidate Starts for CheeseTouch_7:
(Start: 25 @4901 has 101 MA's), (52, 5036), (66, 5117), (71, 5138), (86, 5213), (114, 5339), (160, 5540), (164, 5558), (171, 5591), (182, 5675), (210, 5813),

Gene: Cherrybomb426_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Cherrybomb426_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: CherryonLim_9 Start: 5842, Stop: 6804, Start Num: 9
Candidate Starts for CherryonLim_9:
(Start: 9 @5842 has 33 MA's), (26, 5893), (33, 5932), (67, 6109), (77, 6151), (79, 6160), (89, 6205), (106, 6289), (130, 6385), (142, 6442), (154, 6496), (162, 6532), (207, 6745), (209, 6763),

Gene: ChipMunk_18 Start: 12560, Stop: 13516, Start Num: 5
Candidate Starts for ChipMunk_18:
(Start: 5 @12560 has 499 MA's), (29, 12620), (37, 12668), (46, 12716), (57, 12758), (61, 12788), (64, 12812), (75, 12857), (84, 12908), (92, 12938), (117, 13043), (123, 13070), (130, 13097), (141, 13142), (179, 13301), (180, 13319), (186, 13355), (194, 13406),

Gene: Chupacabra_15 Start: 11254, Stop: 12189, Start Num: 5
Candidate Starts for Chupacabra_15:
(Start: 5 @11254 has 499 MA's), (29, 11314), (46, 11410), (47, 11425), (57, 11452), (61, 11482), (64, 11506), (65, 11512), (75, 11551), (84, 11602), (92, 11632), (116, 11725), (139, 11812), (152, 11866), (156, 11887), (181, 11995), (186, 12028), (194, 12079), (201, 12115),

Gene: Ciao_15 Start: 11560, Stop: 12570, Start Num: 5
Candidate Starts for Ciao_15:

(Start: 5 @11560 has 499 MA's), (42, 11704), (51, 11755), (54, 11770), (76, 11890), (80, 11911), (94, 11986), (108, 12046), (127, 12130), (132, 12148), (152, 12232), (185, 12403), (186, 12409), (195, 12463),

Gene: Cici_15 Start: 11482, Stop: 12414, Start Num: 5
Candidate Starts for Cici_15:
(Start: 5 @11482 has 499 MA's), (29, 11542), (46, 11638), (47, 11653), (61, 11710), (64, 11734), (84, 11830), (101, 11914), (144, 12058), (152, 12100), (186, 12262), (189, 12295), (201, 12349), (208, 12382),

Gene: Cindaradix_14 Start: 11201, Stop: 12133, Start Num: 5
Candidate Starts for Cindaradix_14:
(Start: 5 @11201 has 499 MA's), (29, 11261), (42, 11339), (46, 11357), (47, 11372), (61, 11429), (64, 11453), (84, 11549), (92, 11579), (101, 11633), (144, 11777), (152, 11819), (186, 11981), (194, 12032), (201, 12068), (208, 12101),

Gene: Cintron_15 Start: 11527, Stop: 12459, Start Num: 5
Candidate Starts for Cintron_15:
(Start: 5 @11527 has 499 MA's), (29, 11587), (46, 11683), (61, 11755), (64, 11779), (84, 11875), (92, 11905), (101, 11959), (144, 12103), (152, 12145), (186, 12307), (189, 12340), (194, 12358), (201, 12394), (208, 12427),

Gene: Citius_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Citius_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Clarenza_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Clarenza_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Cleo_8 Start: 5593, Stop: 6528, Start Num: 19
Candidate Starts for Cleo_8:
(Start: 19 @5593 has 9 MA's), (46, 5728), (68, 5839), (73, 5860), (77, 5878), (83, 5908), (96, 5968), (106, 6016), (113, 6043), (129, 6109), (130, 6112), (154, 6223), (162, 6259), (163, 6262), (166, 6277), (168, 6289), (183, 6358), (185, 6373), (200, 6442), (207, 6472),

Gene: CloudWang3_19 Start: 12218, Stop: 13189, Start Num: 4
Candidate Starts for CloudWang3_19:
(Start: 4 @12218 has 72 MA's), (29, 12278), (46, 12374), (57, 12416), (61, 12446), (64, 12470), (75, 12515), (84, 12566), (87, 12578), (92, 12596), (120, 12701), (162, 12887), (209, 13160),

Gene: Cocoaberry_15 Start: 11483, Stop: 12415, Start Num: 5
Candidate Starts for Cocoaberry_15:
(Start: 5 @11483 has 499 MA's), (29, 11543), (46, 11639), (61, 11711), (64, 11735), (84, 11831), (101, 11915), (144, 12059), (152, 12101), (186, 12263), (189, 12296), (194, 12314), (201, 12350), (208, 12383),

Gene: Colbster_17 Start: 11539, Stop: 12531, Start Num: 7
Candidate Starts for Colbster_17:

(Start: 7 @11539 has 112 MA's), (46, 11680), (70, 11800), (79, 11839), (84, 11872), (108, 11983), (130, 12070), (152, 12166), (168, 12247), (176, 12274), (179, 12286), (186, 12340), (192, 12385), (193, 12391), (196, 12424), (205, 12460), (209, 12484),

Gene: Coleslaw_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Coleslaw_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Colin_20 Start: 13838, Stop: 14809, Start Num: 1
Candidate Starts for Colin_20:
(Start: 1 @13838 has 2 MA's), (29, 13913), (40, 13982), (46, 14009), (57, 14051), (61, 14081), (64, 14105), (75, 14150), (84, 14201), (87, 14213), (92, 14231), (96, 14261), (117, 14336), (123, 14363), (141, 14435), (162, 14537), (179, 14594), (180, 14612), (186, 14648), (194, 14699),

Gene: Commander_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Commander_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: ConceptII_15 Start: 11811, Stop: 12818, Start Num: 5
Candidate Starts for ConceptII_15:
(Start: 5 @11811 has 499 MA's), (42, 11955), (51, 12006), (54, 12021), (76, 12141), (80, 12162), (94, 12237), (108, 12297), (119, 12348), (127, 12381), (132, 12399), (152, 12483), (185, 12654), (186, 12660), (190, 12693), (195, 12714), (205, 12765),

Gene: Connomayer_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Connomayer_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Conquerage_17 Start: 12878, Stop: 13837, Start Num: 5
Candidate Starts for Conquerage_17:
(Start: 5 @12878 has 499 MA's), (29, 12938), (45, 13028), (46, 13034), (57, 13076), (61, 13106), (64, 13130), (75, 13175), (84, 13226), (87, 13238), (92, 13256), (120, 13379), (123, 13391), (179, 13622), (194, 13727),

Gene: Conspiracy_13 Start: 10617, Stop: 11546, Start Num: 15
Candidate Starts for Conspiracy_13:
(Start: 15 @10617 has 49 MA's), (46, 10746), (57, 10788), (61, 10818), (79, 10905), (84, 10938), (152, 11202), (157, 11226), (169, 11286), (179, 11325), (181, 11346), (187, 11394), (196, 11451), (205, 11487), (209, 11511),

Gene: Coog_13 Start: 10767, Stop: 11699, Start Num: 15
Candidate Starts for Coog_13:
(Start: 15 @10767 has 49 MA's), (46, 10896), (57, 10938), (61, 10968), (79, 11055), (84, 11088), (152, 11352), (157, 11376), (169, 11436), (179, 11475), (181, 11496), (187, 11544), (196, 11601), (205, 11637), (209, 11661),

Gene: Cookiedough_19 Start: 12230, Stop: 13201, Start Num: 4
Candidate Starts for Cookiedough_19:

(Start: 4 @12230 has 72 MA's), (29, 12290), (46, 12386), (57, 12428), (61, 12458), (64, 12482), (75, 12527), (84, 12578), (87, 12590), (92, 12608), (120, 12713), (162, 12899), (209, 13172),

Gene: Corvo_15 Start: 11755, Stop: 12771, Start Num: 5
Candidate Starts for Corvo_15:
(Start: 5 @11755 has 499 MA's), (51, 11950), (54, 11965), (57, 11980), (68, 12052), (76, 12085), (80, 12106), (94, 12181), (108, 12241), (152, 12427), (185, 12598), (186, 12604), (195, 12661), (202, 12697),

Gene: CosmicSans_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for CosmicSans_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: Cota_6 Start: 4648, Stop: 5595, Start Num: 24
Candidate Starts for Cota_6:
(Start: 24 @4648 has 40 MA's), (33, 4696), (40, 4738), (53, 4792), (72, 4894), (79, 4924), (83, 4954), (131, 5161), (136, 5185), (147, 5221), (151, 5257), (156, 5284), (170, 5344), (179, 5374), (195, 5467), (198, 5488), (203, 5506), (211, 5548),

Gene: Cozz_8 Start: 5381, Stop: 6352, Start Num: 9
Candidate Starts for Cozz_8:
(Start: 9 @5381 has 33 MA's), (13, 5396), (26, 5432), (49, 5561), (89, 5747), (96, 5783), (114, 5861), (119, 5885), (154, 6038), (168, 6104), (201, 6260), (209, 6305),

Gene: Crespo_7 Start: 7104, Stop: 8039, Start Num: 25
Candidate Starts for Crespo_7:
(Start: 25 @7104 has 101 MA's), (35, 7161), (36, 7164), (38, 7176), (59, 7275), (66, 7323), (74, 7356), (83, 7407), (102, 7500), (166, 7779), (173, 7818), (209, 8013),

Gene: Crispicous1_14 Start: 11041, Stop: 12045, Start Num: 5
Candidate Starts for Crispicous1_14:
(Start: 5 @11041 has 499 MA's), (42, 11185), (51, 11236), (54, 11251), (76, 11371), (80, 11392), (94, 11467), (108, 11527), (119, 11578), (127, 11611), (132, 11629), (152, 11713), (186, 11890), (195, 11938), (212, 12022),

Gene: Crucio_16 Start: 12107, Stop: 13063, Start Num: 5
Candidate Starts for Crucio_16:
(Start: 5 @12107 has 499 MA's), (29, 12167), (40, 12236), (46, 12263), (57, 12305), (61, 12335), (64, 12359), (75, 12404), (84, 12455), (92, 12485), (117, 12590), (130, 12644), (179, 12848), (180, 12866), (186, 12902), (194, 12953),

Gene: Cuco_13 Start: 10798, Stop: 11730, Start Num: 15
Candidate Starts for Cuco_13:
(Start: 15 @10798 has 49 MA's), (46, 10927), (57, 10969), (61, 10999), (79, 11086), (84, 11119), (152, 11383), (157, 11407), (169, 11467), (179, 11506), (181, 11527), (187, 11575), (196, 11632), (205, 11668), (209, 11692),

Gene: Cueylyss_15 Start: 11751, Stop: 12755, Start Num: 5
Candidate Starts for Cueylyss_15:
(Start: 5 @11751 has 499 MA's), (42, 11895), (44, 11904), (51, 11946), (54, 11961), (76, 12081), (80, 12102), (94, 12177), (108, 12237), (132, 12339), (152, 12423), (158, 12453), (178, 12543), (185, 12594), (186, 12600), (195, 12648),

Gene: Cullens_17 Start: 11537, Stop: 12529, Start Num: 7
Candidate Starts for Cullens_17:
(Start: 7 @11537 has 112 MA's), (46, 11678), (70, 11798), (79, 11837), (84, 11870), (108, 11981), (130, 12068), (152, 12164), (168, 12245), (176, 12272), (179, 12284), (186, 12338), (192, 12383), (193, 12389), (196, 12422), (205, 12458), (209, 12482),

Gene: D29_17 Start: 12087, Stop: 13043, Start Num: 4
Candidate Starts for D29_17:
(Start: 4 @12087 has 72 MA's), (29, 12147), (45, 12237), (46, 12243), (57, 12285), (61, 12315), (64, 12339), (75, 12384), (84, 12435), (87, 12447), (92, 12465), (95, 12486), (120, 12573), (123, 12585), (125, 12591), (130, 12612), (169, 12792), (179, 12816), (186, 12870), (213, 13017),

Gene: D32_19 Start: 12087, Stop: 13043, Start Num: 4
Candidate Starts for D32_19:
(Start: 4 @12087 has 72 MA's), (29, 12147), (45, 12237), (46, 12243), (57, 12285), (61, 12315), (64, 12339), (75, 12384), (84, 12435), (87, 12447), (92, 12465), (95, 12486), (120, 12573), (123, 12585), (125, 12591), (130, 12612), (169, 12792), (179, 12816), (186, 12870), (213, 13017),

Gene: DBQu4n_19 Start: 12087, Stop: 13043, Start Num: 4
Candidate Starts for DBQu4n_19:
(Start: 4 @12087 has 72 MA's), (29, 12147), (45, 12237), (46, 12243), (57, 12285), (61, 12315), (64, 12339), (75, 12384), (84, 12435), (87, 12447), (92, 12465), (95, 12486), (120, 12573), (123, 12585), (125, 12591), (130, 12612), (169, 12792), (179, 12816), (186, 12870), (213, 13017),

Gene: DD5_16 Start: 12290, Stop: 13288, Start Num: 5
Candidate Starts for DD5_16:
(Start: 5 @12290 has 499 MA's), (42, 12434), (51, 12485), (54, 12500), (76, 12620), (80, 12641), (94, 12716), (108, 12776), (132, 12878), (152, 12962), (178, 13082), (186, 13139), (194, 13178), (195, 13184),

Gene: DMoney_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for DMoney_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: DNAIII_007 Start: 7112, Stop: 8047, Start Num: 25
Candidate Starts for DNAIII_007:
(Start: 25 @7112 has 101 MA's), (35, 7169), (36, 7172), (38, 7184), (59, 7283), (66, 7331), (74, 7364), (83, 7415), (102, 7508), (166, 7787), (173, 7826), (209, 8021),

Gene: DaHudson_17 Start: 11531, Stop: 12523, Start Num: 7
Candidate Starts for DaHudson_17:
(Start: 7 @11531 has 112 MA's), (46, 11672), (70, 11792), (79, 11831), (84, 11864), (108, 11975), (130, 12062), (152, 12158), (168, 12239), (176, 12266), (179, 12278), (186, 12332), (192, 12377), (193, 12383), (196, 12416), (205, 12452), (209, 12476),

Gene: DaVinci_19 Start: 12241, Stop: 13212, Start Num: 4
Candidate Starts for DaVinci_19:
(Start: 4 @12241 has 72 MA's), (29, 12301), (46, 12397), (57, 12439), (61, 12469), (64, 12493), (75, 12538), (84, 12589), (87, 12601), (92, 12619), (120, 12724), (162, 12910), (209, 13183),

Gene: Daishi_16 Start: 10464, Stop: 11456, Start Num: 7

Candidate Starts for Daishi_16:
(Start: 7 @10464 has 112 MA's), (46, 10605), (70, 10725), (79, 10764), (84, 10797), (108, 10908), (130, 10995), (152, 11091), (168, 11172), (176, 11199), (179, 11211), (186, 11265), (192, 11310), (193, 11316), (196, 11349), (205, 11385), (209, 11409),

Gene: Dalmatian_16 Start: 12257, Stop: 13213, Start Num: 5
Candidate Starts for Dalmatian_16:
(Start: 5 @12257 has 499 MA's), (29, 12317), (40, 12386), (46, 12413), (57, 12455), (61, 12485), (64, 12509), (75, 12554), (84, 12605), (92, 12635), (117, 12740), (130, 12794), (179, 12998), (180, 13016), (186, 13052), (194, 13103),

Gene: Danforth_12 Start: 10360, Stop: 11310, Start Num: 15
Candidate Starts for Danforth_12:
(Start: 15 @10360 has 49 MA's), (46, 10489), (57, 10531), (79, 10648), (84, 10681), (98, 10756), (125, 10840), (148, 10930), (152, 10957), (159, 10990), (169, 11041), (179, 11080), (196, 11206), (205, 11242),

Gene: Darionha_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Darionha_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Darrell_18 Start: 13070, Stop: 14029, Start Num: 5
Candidate Starts for Darrell_18:
(Start: 5 @13070 has 499 MA's), (29, 13130), (45, 13220), (46, 13226), (57, 13268), (61, 13298), (64, 13322), (75, 13367), (84, 13418), (92, 13448), (110, 13532), (120, 13571), (123, 13583), (162, 13757), (179, 13814), (194, 13919),

Gene: DarthPhader_17 Start: 13036, Stop: 13998, Start Num: 5
Candidate Starts for DarthPhader_17:
(Start: 5 @13036 has 499 MA's), (29, 13096), (45, 13186), (46, 13192), (57, 13234), (61, 13264), (64, 13288), (75, 13333), (84, 13384), (92, 13414), (101, 13468), (120, 13540), (123, 13552), (130, 13579), (179, 13783), (194, 13888), (208, 13957),

Gene: Datway_15 Start: 11500, Stop: 12432, Start Num: 5
Candidate Starts for Datway_15:
(Start: 5 @11500 has 499 MA's), (29, 11560), (46, 11656), (47, 11671), (59, 11713), (61, 11728), (64, 11752), (84, 11848), (92, 11878), (101, 11932), (144, 12076), (152, 12118), (186, 12280), (194, 12331), (201, 12367), (208, 12400),

Gene: Deano_15 Start: 11487, Stop: 12419, Start Num: 5
Candidate Starts for Deano_15:
(Start: 5 @11487 has 499 MA's), (29, 11547), (46, 11643), (47, 11658), (61, 11715), (64, 11739), (84, 11835), (92, 11865), (101, 11919), (144, 12063), (152, 12105), (186, 12267), (189, 12300), (194, 12318), (201, 12354), (208, 12387),

Gene: DekHockey33_18 Start: 11417, Stop: 12367, Start Num: 5
Candidate Starts for DekHockey33_18:
(Start: 5 @11417 has 499 MA's), (29, 11477), (46, 11573), (61, 11645), (64, 11669), (75, 11714), (84, 11765), (92, 11795), (181, 12173), (201, 12293), (209, 12338),

Gene: Deloris_17 Start: 12587, Stop: 13543, Start Num: 5
Candidate Starts for Deloris_17:

(Start: 5 @12587 has 499 MA's), (17, 12611), (29, 12647), (46, 12743), (57, 12785), (61, 12815), (64, 12839), (75, 12884), (84, 12935), (87, 12947), (96, 12995), (123, 13097), (137, 13154), (186, 13382), (194, 13433),

Gene: Demsculpinboyz_7 Start: 4878, Stop: 5813, Start Num: 25
Candidate Starts for Demsculpinboyz_7:
(Start: 25 @4878 has 101 MA's), (34, 4923), (35, 4932), (43, 4977), (52, 5013), (71, 5115), (86, 5190), (126, 5370), (142, 5436), (164, 5532), (171, 5565), (172, 5583), (176, 5607), (182, 5649), (203, 5748), (207, 5766), (210, 5787),

Gene: Dexes_16 Start: 12255, Stop: 13259, Start Num: 5
Candidate Starts for Dexes_16:
(Start: 5 @12255 has 499 MA's), (54, 12465), (76, 12585), (80, 12606), (94, 12681), (108, 12741), (119, 12792), (127, 12825), (132, 12843), (152, 12927), (186, 13104), (194, 13143), (195, 13149),

Gene: Dhanush_15 Start: 11482, Stop: 12414, Start Num: 5
Candidate Starts for Dhanush_15:
(Start: 5 @11482 has 499 MA's), (29, 11542), (46, 11638), (61, 11710), (64, 11734), (84, 11830), (101, 11914), (144, 12058), (152, 12100), (186, 12262), (189, 12295), (194, 12313), (201, 12349), (208, 12382),

Gene: Dieselweasel_17 Start: 11540, Stop: 12532, Start Num: 7
Candidate Starts for Dieselweasel_17:
(Start: 7 @11540 has 112 MA's), (46, 11681), (70, 11801), (79, 11840), (84, 11873), (108, 11984), (130, 12071), (152, 12167), (168, 12248), (176, 12275), (179, 12287), (186, 12341), (192, 12386), (193, 12392), (196, 12425), (205, 12461), (209, 12485),

Gene: Dignity_18 Start: 12569, Stop: 13525, Start Num: 5
Candidate Starts for Dignity_18:
(Start: 5 @12569 has 499 MA's), (29, 12629), (37, 12677), (40, 12698), (46, 12725), (57, 12767), (61, 12797), (64, 12821), (84, 12917), (87, 12929), (117, 13052), (123, 13079), (130, 13106), (141, 13151), (179, 13310), (180, 13328), (186, 13364), (194, 13415),

Gene: Dinger_12 Start: 7697, Stop: 8599, Start Num: 16
Candidate Starts for Dinger_12:
(Start: 16 @7697 has 36 MA's), (46, 7826), (65, 7928), (76, 7970), (79, 7985), (84, 8018), (148, 8273), (159, 8333), (165, 8366),

Gene: DirtyDunning_15 Start: 11475, Stop: 12407, Start Num: 5
Candidate Starts for DirtyDunning_15:
(Start: 5 @11475 has 499 MA's), (29, 11535), (46, 11631), (61, 11703), (64, 11727), (84, 11823), (92, 11853), (101, 11907), (144, 12051), (152, 12093), (186, 12255), (189, 12288), (194, 12306), (201, 12342), (208, 12375),

Gene: Discoknowium_13 Start: 10907, Stop: 11836, Start Num: 15
Candidate Starts for Discoknowium_13:
(Start: 15 @10907 has 49 MA's), (46, 11036), (57, 11078), (61, 11108), (79, 11195), (84, 11228), (152, 11492), (157, 11516), (169, 11576), (179, 11615), (181, 11636), (187, 11684), (196, 11741), (205, 11777), (209, 11801),

Gene: Dixon_13 Start: 10379, Stop: 11329, Start Num: 15
Candidate Starts for Dixon_13:

(Start: 15 @10379 has 49 MA's), (46, 10508), (57, 10550), (79, 10667), (84, 10700), (98, 10775), (125, 10859), (148, 10949), (152, 10976), (159, 11009), (169, 11060), (179, 11099), (196, 11225), (205, 11261),

Gene: Doom_15 Start: 11833, Stop: 12852, Start Num: 5
Candidate Starts for Doom_15:
(Start: 5 @11833 has 499 MA's), (51, 12028), (54, 12043), (57, 12058), (68, 12130), (76, 12163), (80, 12184), (94, 12259), (108, 12319), (152, 12505), (185, 12676), (186, 12682), (195, 12739), (202, 12775),

Gene: Dorothea_18 Start: 12240, Stop: 13211, Start Num: 4
Candidate Starts for Dorothea_18:
(Start: 4 @12240 has 72 MA's), (29, 12300), (46, 12396), (57, 12438), (61, 12468), (64, 12492), (75, 12537), (84, 12588), (87, 12600), (92, 12618), (120, 12723), (162, 12909), (209, 13182),

Gene: DrFeelGood_14 Start: 11358, Stop: 12377, Start Num: 5
Candidate Starts for DrFeelGood_14:
(Start: 5 @11358 has 499 MA's), (51, 11553), (54, 11568), (57, 11583), (68, 11655), (76, 11688), (80, 11709), (94, 11784), (108, 11844), (152, 12030), (185, 12201), (186, 12207), (195, 12264), (202, 12300),

Gene: DrParker_6 Start: 4638, Stop: 5606, Start Num: 24
Candidate Starts for DrParker_6:
(Start: 24 @4638 has 40 MA's), (33, 4686), (40, 4728), (48, 4770), (53, 4782), (72, 4884), (79, 4914), (83, 4944), (94, 4995), (147, 5211), (151, 5247), (156, 5274), (170, 5334), (176, 5352), (195, 5457), (198, 5478), (203, 5496), (211, 5538),

Gene: Drake55_18 Start: 12670, Stop: 13626, Start Num: 5
Candidate Starts for Drake55_18:
(Start: 5 @12670 has 499 MA's), (12, 12685), (29, 12730), (46, 12826), (57, 12868), (61, 12898), (64, 12922), (75, 12967), (84, 13018), (92, 13048), (117, 13153), (123, 13180), (130, 13207), (141, 13252), (179, 13411), (180, 13429), (186, 13465), (194, 13516),

Gene: Drake94_14 Start: 9354, Stop: 10286, Start Num: 5
Candidate Starts for Drake94_14:
(Start: 5 @9354 has 499 MA's), (29, 9414), (42, 9492), (46, 9510), (47, 9525), (57, 9552), (61, 9582), (64, 9606), (75, 9651), (84, 9702), (125, 9852), (128, 9867), (139, 9915), (152, 9969), (194, 10182), (201, 10218), (204, 10236), (208, 10251),

Gene: Dre3_8 Start: 5540, Stop: 6475, Start Num: 19
Candidate Starts for Dre3_8:
(Start: 19 @5540 has 9 MA's), (46, 5675), (68, 5786), (73, 5807), (77, 5825), (83, 5855), (96, 5915), (106, 5963), (113, 5990), (129, 6056), (130, 6059), (154, 6170), (162, 6206), (163, 6209), (166, 6224), (168, 6236), (183, 6305), (185, 6320), (200, 6389), (207, 6419),

Gene: DreamCatcher_18 Start: 12787, Stop: 13803, Start Num: 5
Candidate Starts for DreamCatcher_18:
(Start: 5 @12787 has 499 MA's), (51, 12982), (54, 12997), (57, 13012), (68, 13084), (76, 13117), (80, 13138), (94, 13213), (108, 13273), (152, 13459), (185, 13630), (186, 13636), (195, 13693), (202, 13729), (205, 13744),

Gene: DreamTeam1_16 Start: 11056, Stop: 12024, Start Num: 5
Candidate Starts for DreamTeam1_16:

(Start: 5 @11056 has 499 MA's), (29, 11116), (46, 11212), (57, 11254), (61, 11284), (64, 11308), (75, 11353), (84, 11404), (92, 11434), (130, 11593), (152, 11689),

Gene: Dreamboat_16 Start: 11485, Stop: 12495, Start Num: 5
Candidate Starts for Dreamboat_16:
(Start: 5 @11485 has 499 MA's), (42, 11629), (51, 11680), (54, 11695), (76, 11815), (80, 11836), (94, 11911), (108, 11971), (119, 12022), (127, 12055), (132, 12073), (152, 12157), (185, 12328), (186, 12334), (195, 12388),

Gene: DroogsArmy_16 Start: 12816, Stop: 13775, Start Num: 5
Candidate Starts for DroogsArmy_16:
(Start: 5 @12816 has 499 MA's), (29, 12876), (40, 12945), (46, 12972), (47, 12987), (61, 13044), (65, 13074), (84, 13164), (128, 13350), (152, 13452), (186, 13626), (194, 13677), (201, 13713),

Gene: Druantia_15 Start: 11480, Stop: 12412, Start Num: 5
Candidate Starts for Druantia_15:
(Start: 5 @11480 has 499 MA's), (29, 11540), (46, 11636), (61, 11708), (64, 11732), (84, 11828), (101, 11912), (144, 12056), (152, 12098), (186, 12260), (189, 12293), (194, 12311), (201, 12347), (208, 12380),

Gene: Dublin_12 Start: 10766, Stop: 11698, Start Num: 15
Candidate Starts for Dublin_12:
(Start: 15 @10766 has 49 MA's), (46, 10895), (57, 10937), (61, 10967), (79, 11054), (84, 11087), (129, 11252), (152, 11351), (157, 11375), (169, 11435), (179, 11474), (181, 11495), (187, 11543), (196, 11600), (205, 11636), (209, 11660),

Gene: DudeLittle_16 Start: 12259, Stop: 13215, Start Num: 5
Candidate Starts for DudeLittle_16:
(Start: 5 @12259 has 499 MA's), (29, 12319), (40, 12388), (46, 12415), (57, 12457), (61, 12487), (64, 12511), (75, 12556), (84, 12607), (92, 12637), (117, 12742), (130, 12796), (179, 13000), (180, 13018), (186, 13054), (194, 13105),

Gene: Dulcie_14 Start: 11232, Stop: 12230, Start Num: 5
Candidate Starts for Dulcie_14:
(Start: 5 @11232 has 499 MA's), (42, 11376), (51, 11427), (54, 11442), (76, 11562), (80, 11583), (94, 11658), (108, 11718), (132, 11820), (152, 11904), (178, 12024), (186, 12081), (194, 12120), (195, 12126),

Gene: Duplo_19 Start: 12128, Stop: 13084, Start Num: 4
Candidate Starts for Duplo_19:
(Start: 4 @12128 has 72 MA's), (29, 12188), (45, 12278), (46, 12284), (57, 12326), (61, 12356), (64, 12380), (75, 12425), (84, 12476), (87, 12488), (92, 12506), (95, 12527), (120, 12614), (123, 12626), (125, 12632), (130, 12653), (169, 12833), (179, 12857), (186, 12911), (213, 13058),

Gene: Dussy_16 Start: 11593, Stop: 12609, Start Num: 5
Candidate Starts for Dussy_16:
(Start: 5 @11593 has 499 MA's), (51, 11788), (54, 11803), (57, 11818), (68, 11890), (76, 11923), (80, 11944), (94, 12019), (108, 12079), (152, 12265), (185, 12436), (186, 12442), (195, 12499), (202, 12535),

Gene: Dynamix_16 Start: 11642, Stop: 12640, Start Num: 5
Candidate Starts for Dynamix_16:

(Start: 5 @11642 has 499 MA's), (42, 11786), (51, 11837), (54, 11852), (76, 11972), (80, 11993), (94, 12068), (108, 12128), (127, 12212), (132, 12230), (152, 12314), (178, 12434), (186, 12491), (194, 12530), (195, 12536),

Gene: ECartman_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for ECartman_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: EZMoney23_20 Start: 14135, Stop: 15100, Start Num: 5
Candidate Starts for EZMoney23_20:
(Start: 5 @14135 has 499 MA's), (29, 14195), (46, 14291), (57, 14333), (61, 14363), (64, 14387), (75, 14432), (84, 14483), (110, 14597), (130, 14675), (141, 14720), (162, 14822), (179, 14879), (180, 14897), (186, 14933), (194, 14984), (213, 15080),

Gene: Eagle_14 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Eagle_14:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: EagleEye_18 Start: 12405, Stop: 13361, Start Num: 5
Candidate Starts for EagleEye_18:
(Start: 5 @12405 has 499 MA's), (29, 12465), (45, 12555), (46, 12561), (57, 12603), (61, 12633), (64, 12657), (75, 12702), (84, 12753), (92, 12783), (101, 12837), (120, 12903), (204, 13305),

Gene: Eaglepride_16 Start: 11253, Stop: 12191, Start Num: 5
Candidate Starts for Eaglepride_16:
(Start: 5 @11253 has 499 MA's), (29, 11313), (42, 11391), (46, 11409), (47, 11424), (57, 11451), (61, 11481), (64, 11505), (65, 11511), (84, 11601), (92, 11631), (103, 11691), (139, 11814), (152, 11868), (186, 12030), (194, 12081), (201, 12117),

Gene: Eapen_15 Start: 11481, Stop: 12413, Start Num: 5
Candidate Starts for Eapen_15:
(Start: 5 @11481 has 499 MA's), (29, 11541), (46, 11637), (61, 11709), (64, 11733), (84, 11829), (101, 11913), (144, 12057), (152, 12099), (186, 12261), (189, 12294), (194, 12312), (201, 12348), (208, 12381),

Gene: Ebony_16 Start: 12757, Stop: 13737, Start Num: 4
Candidate Starts for Ebony_16:
(Start: 4 @12757 has 72 MA's), (29, 12817), (33, 12847), (45, 12907), (46, 12913), (57, 12955), (61, 12985), (64, 13009), (75, 13054), (84, 13105), (87, 13117), (92, 13135), (110, 13219), (120, 13255), (123, 13267), (130, 13294), (186, 13552), (204, 13657),

Gene: Echild_16 Start: 12262, Stop: 13218, Start Num: 5
Candidate Starts for Echild_16:
(Start: 5 @12262 has 499 MA's), (29, 12322), (37, 12370), (40, 12391), (46, 12418), (57, 12460), (61, 12490), (75, 12559), (84, 12610), (117, 12745), (141, 12844), (180, 13021), (186, 13057), (194, 13108),

Gene: Ecliptus_7 Start: 4921, Stop: 5862, Start Num: 25
Candidate Starts for Ecliptus_7:

(Start: 25 @4921 has 101 MA's), (52, 5056), (66, 5137), (71, 5158), (86, 5233), (114, 5359), (160, 5560), (164, 5578), (171, 5611), (182, 5695), (210, 5833),

Gene: Edison31_15 Start: 11282, Stop: 12223, Start Num: 5
Candidate Starts for Edison31_15:
(Start: 5 @11282 has 499 MA's), (29, 11342), (42, 11420), (46, 11438), (47, 11453), (57, 11480), (61, 11510), (64, 11534), (84, 11630), (87, 11642), (92, 11660), (108, 11735), (116, 11756), (139, 11843), (152, 11897), (181, 12026), (186, 12059), (194, 12110), (201, 12146),

Gene: Edtherson_16 Start: 12091, Stop: 13107, Start Num: 5
Candidate Starts for Edtherson_16:
(Start: 5 @12091 has 499 MA's), (51, 12286), (54, 12301), (76, 12421), (80, 12442), (94, 12517), (108, 12577), (152, 12763), (185, 12934), (186, 12940), (195, 12997), (202, 13033),

Gene: Eidsmoe_17 Start: 12878, Stop: 13837, Start Num: 5
Candidate Starts for Eidsmoe_17:
(Start: 5 @12878 has 499 MA's), (29, 12938), (45, 13028), (46, 13034), (57, 13076), (61, 13106), (64, 13130), (75, 13175), (84, 13226), (87, 13238), (92, 13256), (120, 13379), (123, 13391), (179, 13622), (194, 13727),

Gene: ElTiger69_13 Start: 10628, Stop: 11569, Start Num: 15
Candidate Starts for ElTiger69_13:
(Start: 15 @10628 has 49 MA's), (46, 10757), (61, 10829), (79, 10916), (84, 10949), (123, 11090), (152, 11213), (157, 11237), (169, 11297), (179, 11336), (181, 11357), (187, 11405), (196, 11462), (205, 11498), (209, 11522),

Gene: Elephantoon_17 Start: 12496, Stop: 13455, Start Num: 5
Candidate Starts for Elephantoon_17:
(Start: 5 @12496 has 499 MA's), (29, 12556), (45, 12646), (46, 12652), (57, 12694), (61, 12724), (64, 12748), (75, 12793), (84, 12844), (92, 12874), (120, 12997), (123, 13009), (162, 13183), (179, 13240), (194, 13345),

Gene: Elinal_9 Start: 5097, Stop: 6056, Start Num: 9
Candidate Starts for Elinal_9:
(Start: 9 @5097 has 33 MA's), (26, 5148), (50, 5277), (67, 5364), (77, 5406), (79, 5415), (89, 5460), (106, 5544), (130, 5640), (142, 5697), (154, 5751), (162, 5787), (207, 6000), (209, 6018), (219, 6048),

Gene: Eliott_8 Start: 5380, Stop: 6351, Start Num: 9
Candidate Starts for Eliott_8:
(Start: 9 @5380 has 33 MA's), (13, 5395), (26, 5431), (49, 5560), (89, 5746), (96, 5782), (114, 5860), (119, 5884), (154, 6037), (168, 6103), (201, 6259), (209, 6304),

Gene: Emalyn_7 Start: 5103, Stop: 6074, Start Num: 9
Candidate Starts for Emalyn_7:
(Start: 9 @5103 has 33 MA's), (26, 5154), (66, 5367), (77, 5412), (79, 5421), (89, 5466), (113, 5577), (119, 5604), (154, 5757), (162, 5793), (163, 5796), (168, 5823), (201, 5979), (209, 6024), (210, 6027),

Gene: EmyBug_17 Start: 12878, Stop: 13837, Start Num: 5
Candidate Starts for EmyBug_17:
(Start: 5 @12878 has 499 MA's), (29, 12938), (45, 13028), (46, 13034), (57, 13076), (61, 13106), (64, 13130), (75, 13175), (84, 13226), (87, 13238), (92, 13256), (120, 13379), (123, 13391), (179, 13622), (194, 13727),

Gene: Enochoraptor_6 Start: 4655, Stop: 5602, Start Num: 24
Candidate Starts for Enochoraptor_6:
(Start: 24 @4655 has 40 MA's), (33, 4703), (35, 4715), (39, 4742), (53, 4799), (63, 4862), (76, 4916), (79, 4931), (82, 4955), (83, 4961), (108, 5075), (131, 5168), (136, 5192), (147, 5228), (151, 5264), (156, 5291), (161, 5309), (170, 5351), (176, 5369), (198, 5495), (203, 5513), (204, 5522), (211, 5555),

Gene: Enoki_6 Start: 4636, Stop: 5583, Start Num: 24
Candidate Starts for Enoki_6:
(Start: 23 @4633 has 3 MA's), (Start: 24 @4636 has 40 MA's), (33, 4684), (40, 4726), (48, 4768), (53, 4780), (72, 4882), (79, 4912), (83, 4942), (94, 4993), (131, 5149), (136, 5173), (147, 5209), (151, 5245), (156, 5272), (170, 5332), (198, 5476), (203, 5494), (204, 5503), (211, 5536),

Gene: EpicPhail_17 Start: 11539, Stop: 12531, Start Num: 7
Candidate Starts for EpicPhail_17:
(Start: 7 @11539 has 112 MA's), (46, 11680), (70, 11800), (79, 11839), (84, 11872), (108, 11983), (130, 12070), (152, 12166), (168, 12247), (176, 12274), (179, 12286), (186, 12340), (192, 12385), (193, 12391), (196, 12424), (205, 12460), (209, 12484),

Gene: Epsocamisio_18 Start: 11295, Stop: 12245, Start Num: 5
Candidate Starts for Epsocamisio_18:
(Start: 5 @11295 has 499 MA's), (29, 11355), (46, 11451), (61, 11523), (64, 11547), (75, 11592), (84, 11643), (92, 11673), (181, 12051), (201, 12171), (209, 12216),

Gene: Equemioh13_18 Start: 12655, Stop: 13611, Start Num: 5
Candidate Starts for Equemioh13_18:
(Start: 5 @12655 has 499 MA's), (29, 12715), (40, 12784), (46, 12811), (57, 12853), (61, 12883), (64, 12907), (75, 12952), (84, 13003), (87, 13015), (117, 13138), (123, 13165), (130, 13192), (141, 13237), (179, 13396), (180, 13414), (186, 13450), (194, 13501),

Gene: EricB_19 Start: 12231, Stop: 13202, Start Num: 4
Candidate Starts for EricB_19:
(Start: 4 @12231 has 72 MA's), (29, 12291), (46, 12387), (57, 12429), (61, 12459), (64, 12483), (75, 12528), (84, 12579), (87, 12591), (92, 12609), (120, 12714), (162, 12900), (209, 13173),

Gene: Erik_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Erik_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: Eris_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Eris_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Eros_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Eros_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (92, 11857), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Espica_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Espica_12:

(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: Espresso_15 Start: 11685, Stop: 12692, Start Num: 5
Candidate Starts for Espresso_15:
(Start: 5 @11685 has 499 MA's), (42, 11829), (51, 11880), (54, 11895), (76, 12015), (80, 12036), (94, 12111), (108, 12171), (119, 12222), (127, 12255), (132, 12273), (152, 12357), (185, 12528), (186, 12534), (195, 12588),

Gene: Et2Brutus_15 Start: 12702, Stop: 13691, Start Num: 4
Candidate Starts for Et2Brutus_15:
(Start: 4 @12702 has 72 MA's), (29, 12762), (33, 12792), (45, 12852), (46, 12858), (57, 12900), (61, 12930), (64, 12954), (75, 12999), (84, 13050), (87, 13062), (92, 13080), (110, 13164), (120, 13200), (123, 13212), (130, 13239), (186, 13497), (204, 13602),

Gene: Euphoria_15 Start: 11582, Stop: 12589, Start Num: 5
Candidate Starts for Euphoria_15:
(Start: 5 @11582 has 499 MA's), (42, 11726), (44, 11735), (51, 11777), (54, 11792), (76, 11912), (80, 11933), (94, 12008), (108, 12068), (132, 12170), (152, 12254), (158, 12284), (185, 12425), (186, 12431), (195, 12479),

Gene: Eurydice_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Eurydice_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: EvilGenius_18 Start: 12570, Stop: 13526, Start Num: 5
Candidate Starts for EvilGenius_18:
(Start: 5 @12570 has 499 MA's), (29, 12630), (37, 12678), (46, 12726), (57, 12768), (61, 12798), (64, 12822), (75, 12867), (84, 12918), (92, 12948), (117, 13053), (123, 13080), (130, 13107), (141, 13152), (179, 13311), (180, 13329), (186, 13365), (194, 13416),

Gene: Expelliarmus_12 Start: 10346, Stop: 11296, Start Num: 15
Candidate Starts for Expelliarmus_12:
(Start: 15 @10346 has 49 MA's), (46, 10475), (57, 10517), (79, 10634), (84, 10667), (98, 10742), (125, 10826), (148, 10916), (152, 10943), (159, 10976), (169, 11027), (179, 11066), (196, 11192), (205, 11228),

Gene: ExplosioNervosa_17 Start: 12881, Stop: 13840, Start Num: 5
Candidate Starts for ExplosioNervosa_17:
(Start: 5 @12881 has 499 MA's), (29, 12941), (45, 13031), (46, 13037), (57, 13079), (61, 13109), (64, 13133), (75, 13178), (84, 13229), (87, 13241), (92, 13259), (120, 13382), (123, 13394), (179, 13625), (194, 13730),

Gene: Eyeball_15 Start: 11329, Stop: 12330, Start Num: 5
Candidate Starts for Eyeball_15:
(Start: 5 @11329 has 499 MA's), (42, 11473), (51, 11524), (54, 11539), (76, 11659), (80, 11680), (94, 11755), (108, 11815), (127, 11899), (132, 11917), (152, 12001), (178, 12121), (186, 12178), (194, 12217), (195, 12223),

Gene: Fajezeel_17 Start: 11905, Stop: 12903, Start Num: 5
Candidate Starts for Fajezeel_17:

(Start: 5 @11905 has 499 MA's), (42, 12049), (51, 12100), (54, 12115), (76, 12235), (80, 12256), (94, 12331), (108, 12391), (132, 12493), (152, 12577), (178, 12697), (186, 12754), (194, 12793), (195, 12799),

Gene: Fameo_16 Start: 12175, Stop: 13140, Start Num: 5
Candidate Starts for Fameo_16:
(Start: 5 @12175 has 499 MA's), (29, 12235), (40, 12304), (46, 12331), (57, 12373), (61, 12403), (64, 12427), (75, 12472), (84, 12523), (110, 12637), (123, 12694), (130, 12721), (141, 12766), (179, 12925), (180, 12943), (186, 12979), (194, 13030),

Gene: Farber_17 Start: 11532, Stop: 12524, Start Num: 7
Candidate Starts for Farber_17:
(Start: 7 @11532 has 112 MA's), (45, 11667), (46, 11673), (70, 11793), (79, 11832), (84, 11865), (108, 11976), (130, 12063), (152, 12159), (168, 12240), (176, 12267), (179, 12279), (186, 12333), (192, 12378), (193, 12384), (196, 12417), (205, 12453), (209, 12477),

Gene: Fascinus_14 Start: 11332, Stop: 12333, Start Num: 5
Candidate Starts for Fascinus_14:
(Start: 5 @11332 has 499 MA's), (54, 11542), (76, 11662), (80, 11683), (94, 11758), (108, 11818), (127, 11902), (132, 11920), (152, 12004), (186, 12181), (194, 12220), (195, 12226),

Gene: Fayely_17 Start: 12881, Stop: 13840, Start Num: 5
Candidate Starts for Fayely_17:
(Start: 5 @12881 has 499 MA's), (29, 12941), (45, 13031), (46, 13037), (57, 13079), (61, 13109), (64, 13133), (75, 13178), (84, 13229), (87, 13241), (92, 13259), (120, 13382), (123, 13394), (179, 13625), (194, 13730),

Gene: Feastonyeet_7 Start: 5120, Stop: 6079, Start Num: 9
Candidate Starts for Feastonyeet_7:
(Start: 9 @5120 has 33 MA's), (26, 5171), (50, 5300), (67, 5387), (77, 5429), (79, 5438), (89, 5483), (106, 5567), (130, 5663), (142, 5720), (154, 5774), (162, 5810), (207, 6023), (209, 6041),

Gene: Fenn_16 Start: 12897, Stop: 13913, Start Num: 5
Candidate Starts for Fenn_16:
(Start: 5 @12897 has 499 MA's), (51, 13092), (54, 13107), (57, 13122), (68, 13194), (76, 13227), (80, 13248), (94, 13323), (108, 13383), (152, 13569), (185, 13740), (186, 13746), (195, 13803),

Gene: Fernando_17 Start: 11537, Stop: 12529, Start Num: 7
Candidate Starts for Fernando_17:
(Start: 7 @11537 has 112 MA's), (46, 11678), (70, 11798), (79, 11837), (84, 11870), (108, 11981), (130, 12068), (152, 12164), (168, 12245), (176, 12272), (179, 12284), (186, 12338), (192, 12383), (193, 12389), (196, 12422), (205, 12458), (209, 12482),

Gene: Fibonacci_16 Start: 12702, Stop: 13691, Start Num: 4
Candidate Starts for Fibonacci_16:
(Start: 4 @12702 has 72 MA's), (29, 12762), (33, 12792), (45, 12852), (46, 12858), (57, 12900), (61, 12930), (64, 12954), (75, 12999), (84, 13050), (87, 13062), (92, 13080), (110, 13164), (120, 13200), (123, 13212), (130, 13239), (186, 13497), (204, 13602),

Gene: FiringLine_16 Start: 12107, Stop: 13063, Start Num: 5
Candidate Starts for FiringLine_16:
(Start: 5 @12107 has 499 MA's), (29, 12167), (40, 12236), (46, 12263), (57, 12305), (61, 12335), (75, 12404), (84, 12455), (92, 12485), (117, 12590), (130, 12644), (179, 12848), (180, 12866), (186,

12902), (194, 12953),

Gene: First_0016 Start: 12180, Stop: 13136, Start Num: 5
Candidate Starts for First_0016:
(Start: 5 @12180 has 499 MA's), (17, 12204), (29, 12240), (46, 12336), (57, 12378), (61, 12408), (64, 12432), (75, 12477), (84, 12528), (87, 12540), (96, 12588), (123, 12690), (137, 12747), (186, 12975), (194, 13026),

Gene: FlagStaff_7 Start: 7210, Stop: 8112, Start Num: 25
Candidate Starts for FlagStaff_7:
(Start: 25 @7210 has 101 MA's), (35, 7267), (36, 7270), (38, 7282), (40, 7297), (59, 7381), (66, 7429), (74, 7462), (102, 7606), (115, 7657), (124, 7684), (130, 7708), (155, 7828), (164, 7864), (179, 7924), (207, 8071),

Gene: Flare16_16 Start: 12213, Stop: 13169, Start Num: 5
Candidate Starts for Flare16_16:
(Start: 5 @12213 has 499 MA's), (29, 12273), (40, 12342), (46, 12369), (57, 12411), (61, 12441), (64, 12465), (75, 12510), (84, 12561), (87, 12573), (117, 12696), (123, 12723), (130, 12750), (141, 12795), (179, 12954), (180, 12972), (186, 13008), (194, 13059),

Gene: Flaverint_16 Start: 12699, Stop: 13688, Start Num: 4
Candidate Starts for Flaverint_16:
(Start: 4 @12699 has 72 MA's), (29, 12759), (33, 12789), (45, 12849), (46, 12855), (57, 12897), (61, 12927), (64, 12951), (75, 12996), (84, 13047), (87, 13059), (92, 13077), (110, 13161), (120, 13197), (123, 13209), (130, 13236), (186, 13494), (204, 13599),

Gene: Florean_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Florean_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Flux_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Flux_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: ForGetIt_13 Start: 10643, Stop: 11572, Start Num: 15
Candidate Starts for ForGetIt_13:
(Start: 15 @10643 has 49 MA's), (46, 10772), (57, 10814), (61, 10844), (79, 10931), (84, 10964), (152, 11228), (157, 11252), (169, 11312), (179, 11351), (181, 11372), (187, 11420), (196, 11477), (205, 11513), (209, 11537),

Gene: Forsytheast_14 Start: 11595, Stop: 12593, Start Num: 5
Candidate Starts for Forsytheast_14:
(Start: 5 @11595 has 499 MA's), (42, 11739), (51, 11790), (54, 11805), (76, 11925), (80, 11946), (94, 12021), (108, 12081), (132, 12183), (152, 12267), (178, 12387), (186, 12444), (194, 12483), (195, 12489),

Gene: Francis47_15 Start: 11834, Stop: 12853, Start Num: 5
Candidate Starts for Francis47_15:

(Start: 5 @11834 has 499 MA's), (51, 12029), (54, 12044), (76, 12164), (80, 12185), (94, 12260), (108, 12320), (152, 12506), (185, 12677), (186, 12683), (195, 12740), (202, 12776),

Gene: Fred313_15 Start: 10808, Stop: 11803, Start Num: 7
Candidate Starts for Fred313_15:
(Start: 7 @10808 has 112 MA's), (13, 10823), (46, 10955), (70, 11075), (79, 11114), (84, 11147), (108, 11258), (110, 11267), (139, 11384), (152, 11438), (169, 11522), (176, 11546), (179, 11558), (186, 11612), (193, 11663), (196, 11696), (205, 11732),

Gene: Fribs8_9 Start: 6098, Stop: 7033, Start Num: 19
Candidate Starts for Fribs8_9:
(Start: 19 @6098 has 9 MA's), (40, 6206), (46, 6233), (73, 6365), (77, 6383), (86, 6425), (89, 6437), (96, 6473), (106, 6521), (113, 6548), (129, 6614), (130, 6617), (154, 6728), (157, 6740), (162, 6764), (163, 6767), (166, 6782), (168, 6794), (183, 6863), (200, 6947), (207, 6977),

Gene: Frickyeah_7 Start: 4897, Stop: 5835, Start Num: 25
Candidate Starts for Frickyeah_7:
(Start: 25 @4897 has 101 MA's), (33, 4939), (34, 4942), (52, 5032), (71, 5134), (85, 5206), (86, 5209), (129, 5398), (164, 5551), (166, 5563), (176, 5626), (184, 5680), (207, 5785), (210, 5806),

Gene: Froghopper_16 Start: 11274, Stop: 12281, Start Num: 5
Candidate Starts for Froghopper_16:
(Start: 5 @11274 has 499 MA's), (42, 11418), (51, 11469), (54, 11484), (76, 11604), (80, 11625), (94, 11700), (108, 11760), (127, 11844), (132, 11862), (152, 11946), (186, 12123), (194, 12162), (195, 12168),

Gene: Frosty24_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Frosty24_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Funston_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Funston_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Fushigi_16 Start: 11997, Stop: 13010, Start Num: 5
Candidate Starts for Fushigi_16:
(Start: 5 @11997 has 499 MA's), (42, 12141), (51, 12192), (54, 12207), (76, 12327), (80, 12348), (94, 12423), (108, 12483), (119, 12534), (127, 12567), (132, 12585), (152, 12669), (185, 12840), (186, 12846), (195, 12903), (205, 12954),

Gene: GTE2_06 Start: 5063, Stop: 6028, Start Num: 9
Candidate Starts for GTE2_06:
(Start: 9 @5063 has 33 MA's), (26, 5114), (66, 5327), (77, 5372), (79, 5381), (89, 5426), (113, 5537), (154, 5717), (162, 5753), (163, 5756), (168, 5783), (201, 5939), (209, 5984), (210, 5987),

Gene: Gadost_15 Start: 11483, Stop: 12415, Start Num: 5
Candidate Starts for Gadost_15:
(Start: 5 @11483 has 499 MA's), (29, 11543), (46, 11639), (61, 11711), (64, 11735), (84, 11831), (101, 11915), (144, 12059), (152, 12101), (186, 12263), (189, 12296), (194, 12314), (201, 12350), (208, 12383),

Gene: GageAP_17 Start: 12323, Stop: 13327, Start Num: 5
Candidate Starts for GageAP_17:
(Start: 5 @12323 has 499 MA's), (42, 12467), (44, 12476), (51, 12518), (54, 12533), (76, 12653), (80, 12674), (94, 12749), (108, 12809), (132, 12911), (152, 12995), (178, 13115), (185, 13166), (186, 13172), (195, 13220),

Gene: Gail_15 Start: 11224, Stop: 12171, Start Num: 11
Candidate Starts for Gail_15:
(Start: 11 @11224 has 14 MA's), (29, 11275), (46, 11371), (57, 11413), (61, 11443), (68, 11482), (75, 11512), (84, 11563), (179, 11956), (186, 12010), (194, 12061),

Gene: Gandalf20_16 Start: 12389, Stop: 13387, Start Num: 5
Candidate Starts for Gandalf20_16:
(Start: 5 @12389 has 499 MA's), (42, 12533), (51, 12584), (54, 12599), (76, 12719), (80, 12740), (94, 12815), (108, 12875), (132, 12977), (152, 13061), (178, 13181), (186, 13238), (194, 13277), (195, 13283),

Gene: Garak_20 Start: 12235, Stop: 13206, Start Num: 4
Candidate Starts for Garak_20:
(Start: 4 @12235 has 72 MA's), (29, 12295), (46, 12391), (57, 12433), (61, 12463), (64, 12487), (75, 12532), (84, 12583), (87, 12595), (92, 12613), (120, 12718), (162, 12904), (209, 13177),

Gene: GaugeLDP_18 Start: 13484, Stop: 14458, Start Num: 1
Candidate Starts for GaugeLDP_18:
(Start: 1 @13484 has 2 MA's), (Start: 16 @13523 has 36 MA's), (29, 13559), (46, 13655), (57, 13697), (61, 13727), (64, 13751), (75, 13796), (84, 13847), (92, 13877), (101, 13931), (130, 14036), (152, 14132), (157, 14156), (194, 14348), (196, 14369),

Gene: Gemma_17 Start: 11610, Stop: 12608, Start Num: 7
Candidate Starts for Gemma_17:
(Start: 7 @11610 has 112 MA's), (46, 11751), (70, 11871), (79, 11910), (84, 11943), (130, 12141), (148, 12210), (152, 12237), (168, 12318), (186, 12411), (192, 12456), (193, 12462), (196, 12495), (205, 12531), (209, 12555),

Gene: George_12 Start: 10799, Stop: 11731, Start Num: 15
Candidate Starts for George_12:
(Start: 15 @10799 has 49 MA's), (46, 10928), (57, 10970), (61, 11000), (79, 11087), (84, 11120), (152, 11384), (157, 11408), (169, 11468), (179, 11507), (181, 11528), (187, 11576), (196, 11633), (205, 11669), (209, 11693),

Gene: Georgie2_17 Start: 12108, Stop: 13064, Start Num: 5
Candidate Starts for Georgie2_17:
(Start: 5 @12108 has 499 MA's), (29, 12168), (40, 12237), (46, 12264), (57, 12306), (61, 12336), (75, 12405), (84, 12456), (92, 12486), (117, 12591), (130, 12645), (179, 12849), (180, 12867), (186, 12903), (194, 12954),

Gene: Getalong_7 Start: 4897, Stop: 5835, Start Num: 25
Candidate Starts for Getalong_7:
(Start: 25 @4897 has 101 MA's), (33, 4939), (34, 4942), (52, 5032), (71, 5134), (85, 5206), (86, 5209), (129, 5398), (164, 5551), (166, 5563), (176, 5626), (184, 5680), (207, 5785), (210, 5806),

Gene: Ghoulboy_13 Start: 10876, Stop: 11808, Start Num: 15

Candidate Starts for Ghoulboy_13:
(Start: 15 @10876 has 49 MA's), (46, 11005), (57, 11047), (61, 11077), (79, 11164), (84, 11197), (123, 11338), (152, 11461), (157, 11485), (169, 11545), (179, 11584), (181, 11605), (187, 11653), (196, 11710), (205, 11746), (209, 11770),

Gene: GiKK_11 Start: 5758, Stop: 6687, Start Num: 18
Candidate Starts for GiKK_11:
(Start: 18 @5758 has 6 MA's), (49, 5911), (53, 5920), (58, 5947), (77, 6043), (79, 6052), (80, 6058), (89, 6097), (96, 6133), (106, 6181), (154, 6388), (162, 6424), (163, 6427), (201, 6610), (209, 6655),

Gene: Gibbous_8 Start: 5540, Stop: 6475, Start Num: 19
Candidate Starts for Gibbous_8:
(Start: 19 @5540 has 9 MA's), (46, 5675), (68, 5786), (73, 5807), (77, 5825), (83, 5855), (96, 5915), (106, 5963), (113, 5990), (129, 6056), (130, 6059), (154, 6170), (162, 6206), (163, 6209), (166, 6224), (168, 6236), (183, 6305), (185, 6320), (200, 6389), (207, 6419),

Gene: Gideon_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Gideon_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Gilberta_16 Start: 12696, Stop: 13685, Start Num: 4
Candidate Starts for Gilberta_16:
(Start: 4 @12696 has 72 MA's), (29, 12756), (33, 12786), (45, 12846), (46, 12852), (57, 12894), (61, 12924), (64, 12948), (75, 12993), (84, 13044), (87, 13056), (92, 13074), (110, 13158), (120, 13194), (123, 13206), (130, 13233), (186, 13491), (204, 13596),

Gene: GingkoMaracino_17 Start: 11425, Stop: 12417, Start Num: 7
Candidate Starts for GingkoMaracino_17:
(Start: 7 @11425 has 112 MA's), (46, 11566), (70, 11686), (79, 11725), (84, 11758), (108, 11869), (130, 11956), (152, 12052), (168, 12133), (176, 12160), (179, 12172), (186, 12226), (192, 12271), (193, 12277), (196, 12310), (205, 12346), (209, 12370),

Gene: Giroux_15 Start: 11103, Stop: 12077, Start Num: 7
Candidate Starts for Giroux_15:
(Start: 7 @11103 has 112 MA's), (46, 11244), (70, 11364), (79, 11403), (84, 11436), (139, 11673), (148, 11700), (152, 11727), (169, 11811), (186, 11901), (192, 11946), (193, 11952), (196, 11985), (205, 12021),

Gene: Gladiator_19 Start: 12209, Stop: 13180, Start Num: 4
Candidate Starts for Gladiator_19:
(Start: 4 @12209 has 72 MA's), (29, 12269), (46, 12365), (57, 12407), (61, 12437), (64, 12461), (75, 12506), (84, 12557), (87, 12569), (92, 12587), (120, 12692),

Gene: GoldHunter_9 Start: 5380, Stop: 6351, Start Num: 9
Candidate Starts for GoldHunter_9:
(Start: 9 @5380 has 33 MA's), (13, 5395), (26, 5431), (49, 5560), (89, 5746), (96, 5782), (119, 5884), (154, 6037), (168, 6103), (201, 6259), (209, 6304),

Gene: GoldenAsh_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for GoldenAsh_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Gollum_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Gollum_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: Gomashi_7 Start: 7104, Stop: 8039, Start Num: 25
Candidate Starts for Gomashi_7:
(Start: 25 @7104 has 101 MA's), (35, 7161), (36, 7164), (38, 7176), (59, 7275), (66, 7323), (74, 7356), (83, 7407), (102, 7500), (166, 7779), (173, 7818), (209, 8013),

Gene: Gompeii16_15 Start: 11794, Stop: 12813, Start Num: 5
Candidate Starts for Gompeii16_15:
(Start: 5 @11794 has 499 MA's), (51, 11989), (54, 12004), (76, 12124), (80, 12145), (94, 12220), (108, 12280), (152, 12466), (185, 12637), (186, 12643), (195, 12700), (202, 12736),

Gene: Goose_15 Start: 11255, Stop: 12190, Start Num: 5
Candidate Starts for Goose_15:
(Start: 5 @11255 has 499 MA's), (29, 11315), (46, 11411), (47, 11426), (57, 11453), (61, 11483), (64, 11507), (65, 11513), (75, 11552), (84, 11603), (92, 11633), (116, 11726), (139, 11813), (152, 11867), (156, 11888), (181, 11996), (186, 12029), (194, 12080), (201, 12116),

Gene: Graduation_17 Start: 12355, Stop: 13353, Start Num: 5
Candidate Starts for Graduation_17:
(Start: 5 @12355 has 499 MA's), (42, 12499), (54, 12565), (76, 12685), (80, 12706), (94, 12781), (108, 12841), (132, 12943), (152, 13027), (178, 13147), (186, 13204), (194, 13243), (195, 13249),

Gene: GrecoEtereo_16 Start: 11894, Stop: 12901, Start Num: 5
Candidate Starts for GrecoEtereo_16:
(Start: 5 @11894 has 499 MA's), (42, 12038), (44, 12047), (51, 12089), (54, 12104), (76, 12224), (80, 12245), (94, 12320), (108, 12380), (132, 12482), (152, 12566), (158, 12596), (185, 12737), (186, 12743), (195, 12791),

Gene: GreedyLawyer_19 Start: 12240, Stop: 13211, Start Num: 4
Candidate Starts for GreedyLawyer_19:
(Start: 4 @12240 has 72 MA's), (29, 12300), (46, 12396), (57, 12438), (61, 12468), (64, 12492), (75, 12537), (84, 12588), (87, 12600), (92, 12618), (120, 12723), (162, 12909), (209, 13182),

Gene: Greg_17 Start: 11905, Stop: 12903, Start Num: 5
Candidate Starts for Greg_17:
(Start: 5 @11905 has 499 MA's), (42, 12049), (51, 12100), (54, 12115), (76, 12235), (80, 12256), (94, 12331), (108, 12391), (132, 12493), (152, 12577), (178, 12697), (186, 12754), (194, 12793), (195, 12799),

Gene: Grif_17 Start: 11622, Stop: 12614, Start Num: 7
Candidate Starts for Grif_17:
(Start: 7 @11622 has 112 MA's), (46, 11763), (70, 11883), (79, 11922), (84, 11955), (108, 12066), (130, 12153), (152, 12249), (168, 12330), (176, 12357), (179, 12369), (186, 12423), (192, 12468), (193, 12474), (196, 12507), (205, 12543), (209, 12567),

Gene: Grizzly_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Grizzly_7:

(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Groundhog_12 Start: 10347, Stop: 11297, Start Num: 15
Candidate Starts for Groundhog_12:
(Start: 15 @10347 has 49 MA's), (46, 10476), (57, 10518), (79, 10635), (84, 10668), (98, 10743), (125, 10827), (148, 10917), (152, 10944), (159, 10977), (169, 11028), (179, 11067), (196, 11193), (205, 11229),

Gene: Groupthink_18 Start: 11610, Stop: 12608, Start Num: 7
Candidate Starts for Groupthink_18:
(Start: 7 @11610 has 112 MA's), (46, 11751), (70, 11871), (79, 11910), (84, 11943), (130, 12141), (148, 12210), (152, 12237), (168, 12318), (186, 12411), (192, 12456), (193, 12462), (196, 12495), (205, 12531), (209, 12555),

Gene: Grub_17 Start: 11531, Stop: 12523, Start Num: 7
Candidate Starts for Grub_17:
(Start: 7 @11531 has 112 MA's), (46, 11672), (70, 11792), (79, 11831), (84, 11864), (108, 11975), (130, 12062), (152, 12158), (168, 12239), (176, 12266), (179, 12278), (186, 12332), (192, 12377), (193, 12383), (196, 12416), (205, 12452), (209, 12476),

Gene: Grum1_17 Start: 11532, Stop: 12524, Start Num: 7
Candidate Starts for Grum1_17:
(Start: 7 @11532 has 112 MA's), (46, 11673), (70, 11793), (79, 11832), (84, 11865), (108, 11976), (130, 12063), (152, 12159), (168, 12240), (176, 12267), (179, 12279), (186, 12333), (192, 12378), (193, 12384), (196, 12417), (205, 12453), (209, 12477),

Gene: Gruunaga_19 Start: 12209, Stop: 13180, Start Num: 4
Candidate Starts for Gruunaga_19:
(Start: 4 @12209 has 72 MA's), (29, 12269), (46, 12365), (57, 12407), (61, 12437), (64, 12461), (75, 12506), (84, 12557), (87, 12569), (92, 12587), (120, 12692),

Gene: GtownJaz_17 Start: 11540, Stop: 12532, Start Num: 7
Candidate Starts for GtownJaz_17:
(Start: 7 @11540 has 112 MA's), (46, 11681), (70, 11801), (79, 11840), (84, 11873), (108, 11984), (130, 12071), (152, 12167), (168, 12248), (176, 12275), (179, 12287), (186, 12341), (192, 12386), (193, 12392), (196, 12425), (205, 12461), (209, 12485),

Gene: Gwendoluna_17 Start: 12775, Stop: 13782, Start Num: 5
Candidate Starts for Gwendoluna_17:
(Start: 5 @12775 has 499 MA's), (54, 12985), (76, 13105), (80, 13126), (94, 13201), (108, 13261), (119, 13312), (127, 13345), (132, 13363), (152, 13447), (186, 13624), (194, 13663), (195, 13669),

Gene: Gyzlar_17 Start: 12537, Stop: 13556, Start Num: 5
Candidate Starts for Gyzlar_17:
(Start: 5 @12537 has 499 MA's), (51, 12732), (54, 12747), (76, 12867), (80, 12888), (94, 12963), (108, 13023), (152, 13209), (185, 13380), (186, 13386), (195, 13443),

Gene: HINdeR_15 Start: 12923, Stop: 13882, Start Num: 5
Candidate Starts for HINdeR_15:
(Start: 5 @12923 has 499 MA's), (29, 12983), (46, 13079), (47, 13094), (61, 13151), (65, 13181), (84, 13271), (128, 13457), (152, 13559), (181, 13700), (194, 13784), (201, 13820),

Gene: Halo_7 Start: 7104, Stop: 8039, Start Num: 25
Candidate Starts for Halo_7:
(Start: 25 @7104 has 101 MA's), (35, 7161), (36, 7164), (38, 7176), (41, 7197), (66, 7323), (74, 7356), (128, 7605), (136, 7650), (157, 7737), (166, 7779), (179, 7848), (209, 8013),

Gene: HamSlice_14 Start: 11480, Stop: 12412, Start Num: 5
Candidate Starts for HamSlice_14:
(Start: 5 @11480 has 499 MA's), (29, 11540), (46, 11636), (61, 11708), (64, 11732), (84, 11828), (101, 11912), (144, 12056), (152, 12098), (186, 12260), (189, 12293), (194, 12311), (201, 12347), (208, 12380),

Gene: Hami1_17 Start: 11978, Stop: 12982, Start Num: 5
Candidate Starts for Hami1_17:
(Start: 5 @11978 has 499 MA's), (42, 12122), (44, 12131), (51, 12173), (54, 12188), (76, 12308), (80, 12329), (94, 12404), (108, 12464), (132, 12566), (152, 12650), (158, 12680), (178, 12770), (185, 12821), (186, 12827), (195, 12875),

Gene: Hammer_19 Start: 12209, Stop: 13195, Start Num: 2
Candidate Starts for Hammer_19:
(Start: 2 @12209 has 1 MA's), (10, 12233), (17, 12248), (29, 12284), (46, 12380), (57, 12422), (61, 12452), (64, 12476), (75, 12521), (84, 12572), (87, 12584), (92, 12602), (120, 12707),

Gene: HanShotFirst_15 Start: 11197, Stop: 12201, Start Num: 5
Candidate Starts for HanShotFirst_15:
(Start: 5 @11197 has 499 MA's), (54, 11407), (76, 11527), (80, 11548), (94, 11623), (108, 11683), (119, 11734), (120, 11737), (127, 11767), (132, 11785), (152, 11869), (186, 12046), (194, 12085), (195, 12091), (202, 12127),

Gene: Happiness_15 Start: 11485, Stop: 12417, Start Num: 5
Candidate Starts for Happiness_15:
(Start: 5 @11485 has 499 MA's), (29, 11545), (46, 11641), (47, 11656), (61, 11713), (64, 11737), (84, 11833), (92, 11863), (101, 11917), (144, 12061), (152, 12103), (186, 12265), (189, 12298), (194, 12316), (201, 12352), (208, 12385),

Gene: Harlequin_12 Start: 7701, Stop: 8603, Start Num: 16
Candidate Starts for Harlequin_12:
(Start: 16 @7701 has 36 MA's), (46, 7830), (65, 7932), (76, 7974), (79, 7989), (84, 8022), (148, 8277), (159, 8337), (165, 8370),

Gene: HarryHoudini_18 Start: 12670, Stop: 13626, Start Num: 5
Candidate Starts for HarryHoudini_18:
(Start: 5 @12670 has 499 MA's), (12, 12685), (29, 12730), (46, 12826), (57, 12868), (61, 12898), (64, 12922), (75, 12967), (84, 13018), (92, 13048), (117, 13153), (123, 13180), (130, 13207), (141, 13252), (179, 13411), (180, 13429), (186, 13465), (194, 13516),

Gene: HarryOW_16 Start: 11894, Stop: 12901, Start Num: 5
Candidate Starts for HarryOW_16:
(Start: 5 @11894 has 499 MA's), (42, 12038), (44, 12047), (51, 12089), (54, 12104), (76, 12224), (80, 12245), (94, 12320), (108, 12380), (132, 12482), (152, 12566), (158, 12596), (185, 12737), (186, 12743), (195, 12791),

Gene: HashRod_18 Start: 11623, Stop: 12615, Start Num: 7
Candidate Starts for HashRod_18:

(Start: 7 @11623 has 112 MA's), (46, 11764), (70, 11884), (79, 11923), (84, 11956), (108, 12067), (130, 12154), (152, 12250), (168, 12331), (176, 12358), (179, 12370), (186, 12424), (192, 12469), (193, 12475), (196, 12508), (205, 12544), (209, 12568),

Gene: HaveUMetTed_18 Start: 11610, Stop: 12602, Start Num: 7
Candidate Starts for HaveUMetTed_18:
(Start: 7 @11610 has 112 MA's), (46, 11751), (70, 11871), (79, 11910), (84, 11943), (130, 12141), (148, 12210), (152, 12237), (168, 12318), (186, 12411), (192, 12456), (193, 12462), (196, 12495), (205, 12531), (209, 12555),

Gene: Heathen_15 Start: 10904, Stop: 11878, Start Num: 7
Candidate Starts for Heathen_15:
(Start: 7 @10904 has 112 MA's), (46, 11045), (70, 11165), (79, 11204), (84, 11237), (139, 11474), (148, 11501), (152, 11528), (169, 11612), (186, 11702), (192, 11747), (193, 11753), (196, 11786), (205, 11822),

Gene: Heffalump_18 Start: 13977, Stop: 14942, Start Num: 5
Candidate Starts for Heffalump_18:
(Start: 5 @13977 has 499 MA's), (29, 14037), (40, 14106), (46, 14133), (57, 14175), (61, 14205), (64, 14229), (75, 14274), (84, 14325), (110, 14439), (123, 14496), (130, 14523), (141, 14568), (179, 14727), (180, 14745), (186, 14781), (191, 14820),

Gene: HelDan_15 Start: 11156, Stop: 12130, Start Num: 7
Candidate Starts for HelDan_15:
(Start: 7 @11156 has 112 MA's), (46, 11297), (70, 11417), (79, 11456), (84, 11489), (139, 11726), (148, 11753), (152, 11780), (169, 11864), (186, 11954), (192, 11999), (193, 12005), (196, 12038), (205, 12074),

Gene: Heliosoles_17 Start: 11610, Stop: 12608, Start Num: 7
Candidate Starts for Heliosoles_17:
(Start: 7 @11610 has 112 MA's), (46, 11751), (70, 11871), (79, 11910), (84, 11943), (130, 12141), (148, 12210), (152, 12237), (168, 12318), (186, 12411), (192, 12456), (193, 12462), (196, 12495), (205, 12531), (209, 12555),

Gene: Helmet_20 Start: 12235, Stop: 13206, Start Num: 4
Candidate Starts for Helmet_20:
(Start: 4 @12235 has 72 MA's), (29, 12295), (46, 12391), (57, 12433), (61, 12463), (64, 12487), (75, 12532), (84, 12583), (87, 12595), (92, 12613), (120, 12718), (162, 12904), (209, 13177),

Gene: Herbertwm_14 Start: 11015, Stop: 11998, Start Num: 4
Candidate Starts for Herbertwm_14:
(Start: 4 @11015 has 72 MA's), (29, 11075), (32, 11102), (45, 11165), (46, 11171), (57, 11213), (61, 11243), (64, 11267), (75, 11312), (84, 11363), (87, 11375), (110, 11477), (120, 11507), (123, 11519), (130, 11546), (162, 11693), (194, 11888), (206, 11948),

Gene: Hercules11_17 Start: 11546, Stop: 12538, Start Num: 7
Candidate Starts for Hercules11_17:
(Start: 7 @11546 has 112 MA's), (46, 11687), (70, 11807), (79, 11846), (84, 11879), (108, 11990), (130, 12077), (152, 12173), (168, 12254), (176, 12281), (179, 12293), (186, 12347), (192, 12392), (193, 12398), (196, 12431), (205, 12467), (209, 12491),

Gene: Hermia_17 Start: 12336, Stop: 13343, Start Num: 5
Candidate Starts for Hermia_17:

(Start: 5 @12336 has 499 MA's), (42, 12480), (51, 12531), (54, 12546), (76, 12666), (80, 12687), (94, 12762), (108, 12822), (127, 12906), (132, 12924), (152, 13008), (186, 13185), (194, 13224), (195, 13230),

Gene: HermioneGrange_15 Start: 11307, Stop: 12311, Start Num: 5
Candidate Starts for HermioneGrange_15:
(Start: 5 @11307 has 499 MA's), (54, 11517), (76, 11637), (80, 11658), (94, 11733), (108, 11793), (132, 11895), (152, 11979), (178, 12099), (186, 12156), (194, 12195), (195, 12201),

Gene: Hexamo_19 Start: 12190, Stop: 13161, Start Num: 4
Candidate Starts for Hexamo_19:
(Start: 4 @12190 has 72 MA's), (29, 12250), (46, 12346), (57, 12388), (61, 12418), (64, 12442), (75, 12487), (84, 12538), (87, 12550), (92, 12568), (120, 12673), (162, 12859), (209, 13132),

Gene: Hexbug_10 Start: 6434, Stop: 7372, Start Num: 14
Candidate Starts for Hexbug_10:
(Start: 14 @6434 has 2 MA's), (Start: 19 @6440 has 9 MA's), (33, 6506), (49, 6593), (53, 6602), (77, 6725), (79, 6734), (80, 6740), (89, 6779), (96, 6815), (106, 6863), (114, 6893), (154, 7070), (162, 7106), (163, 7109), (201, 7292), (209, 7337),

Gene: HippoPololi_10 Start: 6182, Stop: 7129, Start Num: 19
Candidate Starts for HippoPololi_10:
(Start: 19 @6182 has 9 MA's), (46, 6317), (68, 6428), (73, 6449), (77, 6467), (83, 6497), (86, 6509), (89, 6521), (106, 6605), (113, 6632), (123, 6674), (130, 6701), (154, 6812), (162, 6848), (163, 6851), (166, 6866), (168, 6878), (183, 6947), (185, 6962), (200, 7031), (207, 7061),

Gene: Hiro_12 Start: 7701, Stop: 8603, Start Num: 16
Candidate Starts for Hiro_12:
(Start: 16 @7701 has 36 MA's), (46, 7830), (65, 7932), (76, 7974), (79, 7989), (84, 8022), (148, 8277), (159, 8337), (165, 8370),

Gene: Holli_15 Start: 11272, Stop: 12204, Start Num: 5
Candidate Starts for Holli_15:
(Start: 5 @11272 has 499 MA's), (29, 11332), (46, 11428), (61, 11500), (64, 11524), (84, 11620), (101, 11704), (144, 11848), (152, 11890), (186, 12052), (189, 12085), (194, 12103), (201, 12139), (208, 12172),

Gene: Holliday_7 Start: 4901, Stop: 5842, Start Num: 25
Candidate Starts for Holliday_7:
(Start: 25 @4901 has 101 MA's), (52, 5036), (66, 5117), (71, 5138), (86, 5213), (114, 5339), (160, 5540), (164, 5558), (171, 5591), (182, 5675), (210, 5813),

Gene: Homines_15 Start: 11612, Stop: 12619, Start Num: 5
Candidate Starts for Homines_15:
(Start: 5 @11612 has 499 MA's), (42, 11756), (51, 11807), (54, 11822), (76, 11942), (80, 11963), (94, 12038), (108, 12098), (119, 12149), (127, 12182), (132, 12200), (152, 12284), (185, 12455), (186, 12461), (195, 12515),

Gene: Hookmount_16 Start: 11634, Stop: 12626, Start Num: 7
Candidate Starts for Hookmount_16:
(Start: 7 @11634 has 112 MA's), (46, 11775), (79, 11934), (84, 11967), (128, 12159), (139, 12207), (148, 12234), (152, 12261), (168, 12342), (173, 12357), (179, 12381), (186, 12435), (192, 12480), (193, 12486), (196, 12519), (205, 12555), (214, 12597),

Gene: Hoot_19 Start: 12219, Stop: 13190, Start Num: 4
Candidate Starts for Hoot_19:
(Start: 4 @12219 has 72 MA's), (29, 12279), (46, 12375), (57, 12417), (61, 12447), (64, 12471), (75, 12516), (84, 12567), (87, 12579), (92, 12597), (120, 12702), (162, 12888), (209, 13161),

Gene: Hope_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Hope_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Hope4ever_15 Start: 11714, Stop: 12730, Start Num: 5
Candidate Starts for Hope4ever_15:
(Start: 5 @11714 has 499 MA's), (42, 11858), (51, 11909), (54, 11924), (76, 12044), (80, 12065), (94, 12140), (108, 12200), (119, 12251), (120, 12254), (127, 12284), (132, 12302), (152, 12386), (185, 12557), (186, 12563), (190, 12596), (195, 12617), (202, 12653),

Gene: Horseradish_9 Start: 5276, Stop: 6229, Start Num: 9
Candidate Starts for Horseradish_9:
(Start: 9 @5276 has 33 MA's), (13, 5291), (26, 5318), (49, 5444), (53, 5453), (66, 5531), (77, 5576), (79, 5585), (89, 5630), (96, 5666), (113, 5741), (154, 5921), (162, 5957), (163, 5960), (168, 5987), (201, 6143), (207, 6170), (209, 6188),

Gene: HortumSL17_17 Start: 12848, Stop: 13807, Start Num: 5
Candidate Starts for HortumSL17_17:
(Start: 5 @12848 has 499 MA's), (29, 12908), (45, 12998), (46, 13004), (57, 13046), (61, 13076), (64, 13100), (75, 13145), (84, 13196), (87, 13208), (92, 13226), (120, 13349), (123, 13361), (179, 13592), (194, 13697),

Gene: Horus_7 Start: 4897, Stop: 5835, Start Num: 25
Candidate Starts for Horus_7:
(Start: 25 @4897 has 101 MA's), (33, 4939), (34, 4942), (52, 5032), (71, 5134), (85, 5206), (86, 5209), (129, 5398), (164, 5551), (166, 5563), (176, 5626), (184, 5680), (207, 5785), (210, 5806),

Gene: Hotshotbaby7_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Hotshotbaby7_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Houdini22_15 Start: 11483, Stop: 12415, Start Num: 5
Candidate Starts for Houdini22_15:
(Start: 5 @11483 has 499 MA's), (29, 11543), (46, 11639), (61, 11711), (64, 11735), (84, 11831), (101, 11915), (144, 12059), (152, 12101), (186, 12263), (189, 12296), (194, 12314), (201, 12350), (208, 12383),

Gene: HuhtaEnerson15_13 Start: 10799, Stop: 11731, Start Num: 15
Candidate Starts for HuhtaEnerson15_13:
(Start: 15 @10799 has 49 MA's), (46, 10928), (57, 10970), (61, 11000), (79, 11087), (84, 11120), (152, 11384), (157, 11408), (169, 11468), (179, 11507), (181, 11528), (187, 11576), (196, 11633), (205, 11669), (209, 11693),

Gene: Hum25_6 Start: 5020, Stop: 5922, Start Num: 22
Candidate Starts for Hum25_6:

(22, 5020), (39, 5116), (45, 5140), (64, 5242), (68, 5257), (75, 5287), (107, 5440), (120, 5479), (130, 5515), (186, 5779), (188, 5797),

Gene: Hutc2_16 Start: 12702, Stop: 13691, Start Num: 4
Candidate Starts for Hutc2_16:
(Start: 4 @12702 has 72 MA's), (29, 12762), (33, 12792), (45, 12852), (46, 12858), (57, 12900), (61, 12930), (64, 12954), (75, 12999), (84, 13050), (87, 13062), (92, 13080), (110, 13164), (120, 13200), (123, 13212), (130, 13239), (186, 13497), (204, 13602),

Gene: ICleared_15 Start: 11480, Stop: 12412, Start Num: 5
Candidate Starts for ICleared_15:
(Start: 5 @11480 has 499 MA's), (29, 11540), (46, 11636), (47, 11651), (61, 11708), (64, 11732), (84, 11828), (92, 11858), (101, 11912), (144, 12056), (152, 12098), (186, 12260), (189, 12293), (194, 12311), (201, 12347), (208, 12380),

Gene: ILeeKay_17 Start: 11766, Stop: 12764, Start Num: 5
Candidate Starts for ILeeKay_17:
(Start: 5 @11766 has 499 MA's), (42, 11910), (51, 11961), (54, 11976), (76, 12096), (80, 12117), (94, 12192), (108, 12252), (127, 12336), (132, 12354), (152, 12438), (178, 12558), (186, 12615), (194, 12654), (195, 12660),

Gene: Iceman_15 Start: 11481, Stop: 12413, Start Num: 5
Candidate Starts for Iceman_15:
(Start: 5 @11481 has 499 MA's), (29, 11541), (46, 11637), (47, 11652), (61, 11709), (64, 11733), (84, 11829), (92, 11859), (101, 11913), (144, 12057), (152, 12099), (186, 12261), (189, 12294), (194, 12312), (201, 12348), (208, 12381),

Gene: Ichabod_16 Start: 11618, Stop: 12628, Start Num: 5
Candidate Starts for Ichabod_16:
(Start: 5 @11618 has 499 MA's), (42, 11762), (51, 11813), (54, 11828), (76, 11948), (80, 11969), (94, 12044), (108, 12104), (127, 12188), (132, 12206), (152, 12290), (185, 12461), (186, 12467), (195, 12521),

Gene: IdentityCrisis_7 Start: 6019, Stop: 6936, Start Num: 25
Candidate Starts for IdentityCrisis_7:
(Start: 25 @6019 has 101 MA's), (46, 6130), (52, 6154), (74, 6265), (93, 6352), (94, 6364), (96, 6376), (105, 6421), (113, 6451), (114, 6454), (128, 6508), (129, 6511), (133, 6529), (142, 6568), (148, 6592), (151, 6622), (167, 6706), (176, 6733), (186, 6799),

Gene: Idleandcovert_15 Start: 11103, Stop: 12077, Start Num: 7
Candidate Starts for Idleandcovert_15:
(Start: 7 @11103 has 112 MA's), (46, 11244), (70, 11364), (79, 11403), (84, 11436), (139, 11673), (148, 11700), (152, 11727), (169, 11811), (186, 11901), (192, 11946), (193, 11952), (196, 11985), (205, 12021),

Gene: IgnatiusPatJac_14 Start: 11592, Stop: 12590, Start Num: 5
Candidate Starts for IgnatiusPatJac_14:
(Start: 5 @11592 has 499 MA's), (42, 11736), (51, 11787), (54, 11802), (76, 11922), (80, 11943), (94, 12018), (108, 12078), (132, 12180), (152, 12264), (178, 12384), (186, 12441), (194, 12480), (195, 12486),

Gene: Indra_19 Start: 12235, Stop: 13206, Start Num: 4
Candidate Starts for Indra_19:

(Start: 4 @12235 has 72 MA's), (29, 12295), (46, 12391), (57, 12433), (61, 12463), (64, 12487), (75, 12532), (84, 12583), (87, 12595), (92, 12613), (120, 12718), (162, 12904), (209, 13177),

Gene: Insomnia_16 Start: 12751, Stop: 13740, Start Num: 4
Candidate Starts for Insomnia_16:
(Start: 4 @12751 has 72 MA's), (29, 12811), (33, 12841), (45, 12901), (46, 12907), (57, 12949), (61, 12979), (64, 13003), (75, 13048), (84, 13099), (87, 13111), (92, 13129), (110, 13213), (120, 13249), (123, 13261), (130, 13288), (186, 13546), (204, 13651),

Gene: Iracema64_15 Start: 11457, Stop: 12389, Start Num: 5
Candidate Starts for Iracema64_15:
(Start: 5 @11457 has 499 MA's), (29, 11517), (46, 11613), (47, 11628), (61, 11685), (64, 11709), (84, 11805), (92, 11835), (101, 11889), (144, 12033), (152, 12075), (186, 12237), (189, 12270), (194, 12288), (201, 12324), (208, 12357),

Gene: IronMan_18 Start: 13861, Stop: 14817, Start Num: 5
Candidate Starts for IronMan_18:
(Start: 5 @13861 has 499 MA's), (29, 13921), (40, 13990), (46, 14017), (57, 14059), (61, 14089), (64, 14113), (75, 14158), (84, 14209), (92, 14239), (123, 14371), (179, 14602), (186, 14656),

Gene: Isca_15 Start: 10978, Stop: 11982, Start Num: 7
Candidate Starts for Isca_15:
(Start: 7 @10978 has 112 MA's), (46, 11125), (70, 11245), (79, 11284), (84, 11317), (108, 11428), (110, 11437), (118, 11464), (139, 11554), (152, 11608), (169, 11692), (186, 11782), (193, 11833), (196, 11866), (205, 11902), (218, 11959),

Gene: Isiphiwo_19 Start: 12230, Stop: 13201, Start Num: 4
Candidate Starts for Isiphiwo_19:
(Start: 4 @12230 has 72 MA's), (29, 12290), (46, 12386), (57, 12428), (61, 12458), (64, 12482), (75, 12527), (84, 12578), (87, 12590), (92, 12608), (120, 12713), (162, 12899), (209, 13172),

Gene: Iwokeuplikedis_16 Start: 11914, Stop: 12870, Start Num: 5
Candidate Starts for Iwokeuplikedis_16:
(Start: 5 @11914 has 499 MA's), (29, 11974), (40, 12043), (46, 12070), (57, 12112), (61, 12142), (64, 12166), (75, 12211), (84, 12262), (87, 12274), (92, 12292), (117, 12397), (123, 12424), (130, 12451), (141, 12496), (162, 12598), (179, 12655), (180, 12673), (194, 12760),

Gene: JC27_17 Start: 12218, Stop: 13225, Start Num: 5
Candidate Starts for JC27_17:
(Start: 5 @12218 has 499 MA's), (42, 12362), (51, 12413), (54, 12428), (76, 12548), (80, 12569), (94, 12644), (108, 12704), (127, 12788), (132, 12806), (152, 12890), (186, 13067), (194, 13106), (195, 13112),

Gene: JF2_15 Start: 10746, Stop: 11738, Start Num: 7
Candidate Starts for JF2_15:
(Start: 7 @10746 has 112 MA's), (13, 10755), (46, 10887), (70, 11007), (79, 11046), (84, 11079), (108, 11190), (110, 11199), (139, 11316), (152, 11370), (169, 11454), (186, 11544), (193, 11595), (196, 11628), (205, 11664),

Gene: JF4_15 Start: 10746, Stop: 11738, Start Num: 7
Candidate Starts for JF4_15:
(Start: 7 @10746 has 112 MA's), (13, 10755), (46, 10887), (70, 11007), (79, 11046), (84, 11079), (108, 11190), (110, 11199), (139, 11316), (152, 11370), (169, 11454), (186, 11544), (193, 11595), (196,

11628), (205, 11664),

Gene: JHC117_17 Start: 11537, Stop: 12529, Start Num: 7
Candidate Starts for JHC117_17:
(Start: 7 @11537 has 112 MA's), (46, 11678), (70, 11798), (79, 11837), (84, 11870), (108, 11981), (130, 12068), (152, 12164), (168, 12245), (176, 12272), (179, 12284), (186, 12338), (192, 12383), (193, 12389), (196, 12422), (205, 12458), (209, 12482),

Gene: JSwag_18 Start: 11281, Stop: 12231, Start Num: 5
Candidate Starts for JSwag_18:
(Start: 5 @11281 has 499 MA's), (29, 11341), (46, 11437), (61, 11509), (64, 11533), (75, 11578), (84, 11629), (92, 11659), (181, 12037), (201, 12157), (209, 12202),

Gene: Jaan_19 Start: 14251, Stop: 15207, Start Num: 5
Candidate Starts for Jaan_19:
(Start: 5 @14251 has 499 MA's), (29, 14311), (40, 14380), (46, 14407), (57, 14449), (61, 14479), (64, 14503), (75, 14548), (84, 14599), (92, 14629), (123, 14761), (137, 14818), (179, 14992), (186, 15046),

Gene: Jabbawokkie_8 Start: 5401, Stop: 6336, Start Num: 25
Candidate Starts for Jabbawokkie_8:
(Start: 25 @5401 has 101 MA's), (34, 5446), (35, 5455), (43, 5500), (52, 5536), (71, 5638), (86, 5713), (126, 5893), (142, 5959), (164, 6055), (171, 6088), (172, 6106), (176, 6130), (182, 6172), (203, 6271), (207, 6289), (210, 6310),

Gene: Jabiru_13 Start: 10679, Stop: 11620, Start Num: 15
Candidate Starts for Jabiru_13:
(Start: 15 @10679 has 49 MA's), (46, 10808), (61, 10880), (79, 10967), (84, 11000), (92, 11030), (123, 11141), (152, 11264), (157, 11288), (169, 11348), (179, 11387), (181, 11408), (187, 11456), (196, 11513), (205, 11549), (209, 11573),

Gene: Jabith_16 Start: 12751, Stop: 13740, Start Num: 4
Candidate Starts for Jabith_16:
(Start: 4 @12751 has 72 MA's), (29, 12811), (33, 12841), (45, 12901), (46, 12907), (57, 12949), (61, 12979), (64, 13003), (75, 13048), (84, 13099), (87, 13111), (92, 13129), (110, 13213), (120, 13249), (123, 13261), (130, 13288), (186, 13546), (204, 13651),

Gene: JackSparrow_16 Start: 11934, Stop: 12938, Start Num: 5
Candidate Starts for JackSparrow_16:
(Start: 5 @11934 has 499 MA's), (27, 11991), (42, 12078), (44, 12087), (51, 12129), (54, 12144), (76, 12264), (80, 12285), (94, 12360), (108, 12420), (132, 12522), (152, 12606), (158, 12636), (178, 12726), (185, 12777), (186, 12783), (195, 12831),

Gene: Jamzy_11 Start: 5769, Stop: 6698, Start Num: 18
Candidate Starts for Jamzy_11:
(Start: 18 @5769 has 6 MA's), (33, 5835), (53, 5931), (58, 5958), (77, 6054), (79, 6063), (80, 6069), (81, 6078), (96, 6144), (106, 6192), (154, 6399), (162, 6435), (201, 6621),

Gene: Jane_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Jane_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Jasper_16 Start: 11429, Stop: 12439, Start Num: 5

Candidate Starts for Jasper_16:
(Start: 5 @11429 has 499 MA's), (42, 11573), (51, 11624), (54, 11639), (76, 11759), (80, 11780), (94, 11855), (108, 11915), (119, 11966), (127, 11999), (132, 12017), (152, 12101), (185, 12272), (186, 12278), (195, 12332),

Gene: Jaykayelowell_15 Start: 11478, Stop: 12410, Start Num: 5
Candidate Starts for Jaykayelowell_15:
(Start: 5 @11478 has 499 MA's), (29, 11538), (46, 11634), (61, 11706), (64, 11730), (84, 11826), (101, 11910), (144, 12054), (152, 12096), (186, 12258), (189, 12291), (194, 12309), (201, 12345), (208, 12378),

Gene: Jeeves_15 Start: 11236, Stop: 12183, Start Num: 11
Candidate Starts for Jeeves_15:
(Start: 11 @11236 has 14 MA's), (29, 11287), (46, 11383), (47, 11398), (57, 11425), (61, 11455), (75, 11524), (84, 11575), (87, 11587), (125, 11743), (157, 11884), (179, 11968), (186, 12022),

Gene: Jeffabunny_19 Start: 12243, Stop: 13214, Start Num: 4
Candidate Starts for Jeffabunny_19:
(Start: 4 @12243 has 72 MA's), (29, 12303), (46, 12399), (57, 12441), (61, 12471), (64, 12495), (75, 12540), (84, 12591), (87, 12603), (92, 12621), (120, 12726), (162, 12912),

Gene: JenCasNa_17 Start: 11537, Stop: 12529, Start Num: 7
Candidate Starts for JenCasNa_17:
(Start: 7 @11537 has 112 MA's), (46, 11678), (70, 11798), (79, 11837), (84, 11870), (108, 11981), (130, 12068), (152, 12164), (168, 12245), (176, 12272), (179, 12284), (186, 12338), (192, 12383), (193, 12389), (196, 12422), (205, 12458), (209, 12482),

Gene: JeppNRM_18 Start: 11608, Stop: 12606, Start Num: 7
Candidate Starts for JeppNRM_18:
(Start: 7 @11608 has 112 MA's), (46, 11749), (70, 11869), (79, 11908), (84, 11941), (130, 12139), (148, 12208), (152, 12235), (168, 12316), (186, 12409), (192, 12454), (193, 12460), (196, 12493), (205, 12529), (209, 12553),

Gene: Jerm_18 Start: 12585, Stop: 13541, Start Num: 5
Candidate Starts for Jerm_18:
(Start: 5 @12585 has 499 MA's), (29, 12645), (37, 12693), (40, 12714), (46, 12741), (57, 12783), (61, 12813), (64, 12837), (84, 12933), (87, 12945), (117, 13068), (123, 13095), (130, 13122), (141, 13167), (179, 13326), (180, 13344), (186, 13380), (194, 13431),

Gene: Jerm2_16 Start: 11807, Stop: 12808, Start Num: 5
Candidate Starts for Jerm2_16:
(Start: 5 @11807 has 499 MA's), (54, 12017), (76, 12137), (80, 12158), (94, 12233), (108, 12293), (132, 12395), (152, 12479), (178, 12599), (186, 12656), (194, 12695), (195, 12701),

Gene: Jester_12 Start: 7701, Stop: 8603, Start Num: 16
Candidate Starts for Jester_12:
(Start: 16 @7701 has 36 MA's), (46, 7830), (65, 7932), (76, 7974), (79, 7989), (84, 8022), (148, 8277), (159, 8337), (165, 8370),

Gene: JetBlade_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for JetBlade_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208,

12379),

Gene: JewelBug_19 Start: 12241, Stop: 13212, Start Num: 4
Candidate Starts for JewelBug_19:
(Start: 4 @12241 has 72 MA's), (29, 12301), (46, 12397), (57, 12439), (61, 12469), (64, 12493), (75, 12538), (84, 12589), (87, 12601), (92, 12619), (120, 12724), (162, 12910), (209, 13183),

Gene: Jobu08_17 Start: 11608, Stop: 12600, Start Num: 7
Candidate Starts for Jobu08_17:
(Start: 7 @11608 has 112 MA's), (46, 11749), (70, 11869), (79, 11908), (84, 11941), (108, 12052), (130, 12139), (152, 12235), (168, 12316), (176, 12343), (179, 12355), (186, 12409), (192, 12454), (193, 12460), (196, 12493), (205, 12529), (209, 12553),

Gene: Jolene_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Jolene_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Jolie2_7 Start: 6247, Stop: 7173, Start Num: 25
Candidate Starts for Jolie2_7:
(Start: 25 @6247 has 101 MA's), (35, 6304), (36, 6307), (38, 6319), (59, 6418), (66, 6466), (74, 6499), (130, 6754), (166, 6922), (186, 7039), (195, 7075), (209, 7147), (216, 7165),

Gene: Jonghyun_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Jonghyun_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: JoongJeon_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for JoongJeon_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: JorRay_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for JorRay_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Jordennis_19 Start: 12230, Stop: 13201, Start Num: 4
Candidate Starts for Jordennis_19:
(Start: 4 @12230 has 72 MA's), (29, 12290), (46, 12386), (57, 12428), (61, 12458), (64, 12482), (75, 12527), (84, 12578), (87, 12590), (92, 12608), (120, 12713), (162, 12899), (209, 13172),

Gene: Jorgensen_15 Start: 11390, Stop: 12388, Start Num: 5
Candidate Starts for Jorgensen_15:
(Start: 5 @11390 has 499 MA's), (42, 11534), (51, 11585), (54, 11600), (76, 11720), (80, 11741), (94, 11816), (108, 11876), (127, 11960), (132, 11978), (152, 12062), (178, 12182), (186, 12239), (194, 12278), (195, 12284),

Gene: Joselito_16 Start: 12699, Stop: 13688, Start Num: 4
Candidate Starts for Joselito_16:

(Start: 4 @12699 has 72 MA's), (29, 12759), (33, 12789), (45, 12849), (46, 12855), (57, 12897), (61, 12927), (64, 12951), (75, 12996), (84, 13047), (87, 13059), (92, 13077), (110, 13161), (120, 13197), (123, 13209), (130, 13236), (186, 13494), (204, 13599),

Gene: JoshKayV_18 Start: 12589, Stop: 13545, Start Num: 5
Candidate Starts for JoshKayV_18:
(Start: 5 @12589 has 499 MA's), (12, 12604), (29, 12649), (37, 12697), (40, 12718), (46, 12745), (57, 12787), (61, 12817), (64, 12841), (75, 12886), (84, 12937), (87, 12949), (92, 12967), (117, 13072), (123, 13099), (179, 13330),

Gene: Journey13_14 Start: 11269, Stop: 12270, Start Num: 5
Candidate Starts for Journey13_14:
(Start: 5 @11269 has 499 MA's), (29, 11329), (46, 11425), (57, 11467), (61, 11497), (64, 11521), (75, 11566), (84, 11617), (92, 11647), (108, 11722), (128, 11785), (152, 11887), (156, 11908), (174, 11998), (179, 12025), (186, 12079), (214, 12229),

Gene: Jovo_13 Start: 10908, Stop: 11840, Start Num: 15
Candidate Starts for Jovo_13:
(Start: 15 @10908 has 49 MA's), (46, 11037), (57, 11079), (61, 11109), (79, 11196), (84, 11229), (152, 11493), (157, 11517), (169, 11577), (179, 11616), (181, 11637), (187, 11685), (196, 11742), (205, 11778), (209, 11802),

Gene: Jsquared_15 Start: 11031, Stop: 11981, Start Num: 5
Candidate Starts for Jsquared_15:
(Start: 5 @11031 has 499 MA's), (29, 11091), (40, 11160), (46, 11187), (57, 11229), (61, 11259), (64, 11283), (75, 11328), (84, 11379), (92, 11409), (110, 11493), (130, 11562), (141, 11607), (162, 11709), (177, 11757), (179, 11766), (180, 11784), (186, 11820), (194, 11871),

Gene: JuliaChild_17 Start: 12065, Stop: 13072, Start Num: 5
Candidate Starts for JuliaChild_17:
(Start: 5 @12065 has 499 MA's), (54, 12275), (76, 12395), (80, 12416), (94, 12491), (111, 12572), (127, 12635), (132, 12653), (152, 12737), (186, 12914), (195, 12962),

Gene: KADY_18 Start: 11623, Stop: 12615, Start Num: 7
Candidate Starts for KADY_18:
(Start: 7 @11623 has 112 MA's), (46, 11764), (70, 11884), (79, 11923), (84, 11956), (108, 12067), (130, 12154), (152, 12250), (168, 12331), (176, 12358), (179, 12370), (186, 12424), (192, 12469), (193, 12475), (196, 12508), (205, 12544), (209, 12568),

Gene: KBG_16 Start: 12499, Stop: 13509, Start Num: 5
Candidate Starts for KBG_16:
(Start: 5 @12499 has 499 MA's), (51, 12694), (54, 12709), (76, 12829), (80, 12850), (94, 12925), (108, 12985), (152, 13171), (185, 13342), (186, 13348), (195, 13405), (202, 13441),

Gene: KFPoly_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for KFPoly_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: KSSJEB_15 Start: 11403, Stop: 12413, Start Num: 5
Candidate Starts for KSSJEB_15:

(Start: 5 @11403 has 499 MA's), (42, 11547), (51, 11598), (54, 11613), (76, 11733), (80, 11754), (94, 11829), (108, 11889), (127, 11973), (132, 11991), (152, 12075), (185, 12246), (186, 12252), (195, 12306),

Gene: Kalb97_18 Start: 11608, Stop: 12606, Start Num: 7
Candidate Starts for Kalb97_18:
(Start: 7 @11608 has 112 MA's), (46, 11749), (70, 11869), (79, 11908), (84, 11941), (130, 12139), (148, 12208), (152, 12235), (168, 12316), (186, 12409), (192, 12454), (193, 12460), (196, 12493), (205, 12529), (209, 12553),

Gene: Kalnoky_18 Start: 11610, Stop: 12608, Start Num: 7
Candidate Starts for Kalnoky_18:
(Start: 7 @11610 has 112 MA's), (46, 11751), (70, 11871), (79, 11910), (84, 11943), (130, 12141), (148, 12210), (152, 12237), (168, 12318), (186, 12411), (192, 12456), (193, 12462), (196, 12495), (205, 12531), (209, 12555),

Gene: Kalpine_19 Start: 13947, Stop: 14903, Start Num: 5
Candidate Starts for Kalpine_19:
(Start: 5 @13947 has 499 MA's), (29, 14007), (40, 14076), (46, 14103), (57, 14145), (61, 14175), (64, 14199), (75, 14244), (84, 14295), (87, 14307), (92, 14325), (117, 14430), (123, 14457), (141, 14529), (162, 14631), (179, 14688), (180, 14706), (186, 14742), (194, 14793),

Gene: Kamaru_7 Start: 4901, Stop: 5842, Start Num: 25
Candidate Starts for Kamaru_7:
(Start: 25 @4901 has 101 MA's), (52, 5036), (66, 5117), (71, 5138), (86, 5213), (114, 5339), (160, 5540), (164, 5558), (171, 5591), (182, 5675), (210, 5813),

Gene: Kampy_15 Start: 11480, Stop: 12412, Start Num: 5
Candidate Starts for Kampy_15:
(Start: 5 @11480 has 499 MA's), (29, 11540), (46, 11636), (61, 11708), (64, 11732), (84, 11828), (101, 11912), (144, 12056), (152, 12098), (186, 12260), (189, 12293), (194, 12311), (201, 12347), (208, 12380),

Gene: Kanely_16 Start: 12174, Stop: 13175, Start Num: 5
Candidate Starts for Kanely_16:
(Start: 5 @12174 has 499 MA's), (42, 12318), (51, 12369), (54, 12384), (76, 12504), (80, 12525), (94, 12600), (108, 12660), (127, 12744), (132, 12762), (152, 12846), (178, 12966), (186, 13023), (194, 13062), (195, 13068),

Gene: Kareem_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Kareem_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Kasen3_7 Start: 7104, Stop: 8039, Start Num: 25
Candidate Starts for Kasen3_7:
(Start: 25 @7104 has 101 MA's), (35, 7161), (36, 7164), (38, 7176), (59, 7275), (66, 7323), (74, 7356), (83, 7407), (102, 7500), (166, 7779), (173, 7818), (209, 8013),

Gene: Katalie136_15 Start: 11491, Stop: 12423, Start Num: 5
Candidate Starts for Katalie136_15:
(Start: 5 @11491 has 499 MA's), (29, 11551), (46, 11647), (47, 11662), (61, 11719), (64, 11743), (84, 11839), (101, 11923), (144, 12067), (152, 12109), (186, 12271), (189, 12304), (201, 12358), (208,

12391),

Gene: KatherineG_18 Start: 11417, Stop: 12367, Start Num: 5
Candidate Starts for KatherineG_18:
(Start: 5 @11417 has 499 MA's), (29, 11477), (46, 11573), (61, 11645), (64, 11669), (75, 11714), (84, 11765), (92, 11795), (181, 12173), (201, 12293), (209, 12338),

Gene: KayGee_7 Start: 5097, Stop: 6056, Start Num: 9
Candidate Starts for KayGee_7:
(Start: 9 @5097 has 33 MA's), (26, 5148), (50, 5277), (67, 5364), (77, 5406), (79, 5415), (89, 5460), (106, 5544), (130, 5640), (142, 5697), (154, 5751), (162, 5787), (207, 6000), (209, 6018), (219, 6048),

Gene: Kazan_19 Start: 12246, Stop: 13217, Start Num: 4
Candidate Starts for Kazan_19:
(Start: 4 @12246 has 72 MA's), (29, 12306), (46, 12402), (57, 12444), (61, 12474), (64, 12498), (75, 12543), (84, 12594), (87, 12606), (92, 12624), (120, 12729), (162, 12915), (209, 13188),

Gene: Keiki_6 Start: 4648, Stop: 5595, Start Num: 24
Candidate Starts for Keiki_6:
(Start: 24 @4648 has 40 MA's), (33, 4696), (40, 4738), (53, 4792), (72, 4894), (79, 4924), (83, 4954), (131, 5161), (136, 5185), (147, 5221), (151, 5257), (156, 5284), (170, 5344), (179, 5374), (195, 5467), (198, 5488), (203, 5506), (211, 5548),

Gene: Kenmech_18 Start: 12679, Stop: 13695, Start Num: 5
Candidate Starts for Kenmech_18:
(Start: 5 @12679 has 499 MA's), (51, 12874), (54, 12889), (57, 12904), (68, 12976), (76, 13009), (80, 13030), (94, 13105), (108, 13165), (152, 13351), (185, 13522), (186, 13528), (195, 13585), (202, 13621),

Gene: Kenna_7 Start: 4897, Stop: 5835, Start Num: 25
Candidate Starts for Kenna_7:
(Start: 25 @4897 has 101 MA's), (33, 4939), (34, 4942), (52, 5032), (71, 5134), (85, 5206), (86, 5209), (129, 5398), (164, 5551), (166, 5563), (176, 5626), (184, 5680), (207, 5785), (210, 5806),

Gene: Kerberos_19 Start: 12087, Stop: 13043, Start Num: 4
Candidate Starts for Kerberos_19:
(Start: 4 @12087 has 72 MA's), (29, 12147), (45, 12237), (46, 12243), (57, 12285), (61, 12315), (64, 12339), (75, 12384), (84, 12435), (87, 12447), (92, 12465), (95, 12486), (120, 12573), (123, 12585), (125, 12591), (130, 12612), (169, 12792), (179, 12816), (186, 12870), (213, 13017),

Gene: Keziacharles14_15 Start: 10993, Stop: 11961, Start Num: 5
Candidate Starts for Keziacharles14_15:
(Start: 5 @10993 has 499 MA's), (17, 11017), (29, 11053), (46, 11149), (61, 11221), (64, 11245), (84, 11341), (87, 11353), (92, 11371), (117, 11476),

Gene: Killigrew_13 Start: 11039, Stop: 12049, Start Num: 5
Candidate Starts for Killigrew_13:
(Start: 5 @11039 has 499 MA's), (42, 11183), (51, 11234), (54, 11249), (76, 11369), (80, 11390), (94, 11465), (108, 11525), (119, 11576), (127, 11609), (132, 11627), (152, 11711), (185, 11882), (186, 11888), (190, 11921), (195, 11942), (205, 11993),

Gene: Kimona_12 Start: 8892, Stop: 9875, Start Num: 5
Candidate Starts for Kimona_12:

(Start: 5 @8892 has 499 MA's), (40, 9021), (46, 9048), (47, 9063), (57, 9090), (61, 9120), (84, 9240), (125, 9411), (130, 9432), (152, 9528), (157, 9552), (165, 9594), (176, 9636), (179, 9648), (186, 9702), (201, 9789),

Gene: KingCyrus_18 Start: 12560, Stop: 13516, Start Num: 5
Candidate Starts for KingCyrus_18:
(Start: 5 @12560 has 499 MA's), (29, 12620), (37, 12668), (46, 12716), (57, 12758), (61, 12788), (64, 12812), (75, 12857), (84, 12908), (92, 12938), (117, 13043), (123, 13070), (130, 13097), (141, 13142), (179, 13301), (180, 13319), (186, 13355), (194, 13406),

Gene: Kingmustik0402_15 Start: 11471, Stop: 12403, Start Num: 5
Candidate Starts for Kingmustik0402_15:
(Start: 5 @11471 has 499 MA's), (29, 11531), (46, 11627), (61, 11699), (64, 11723), (84, 11819), (101, 11903), (144, 12047), (152, 12089), (186, 12251), (189, 12284), (194, 12302), (201, 12338), (208, 12371),

Gene: Kipper29_19 Start: 12240, Stop: 13211, Start Num: 4
Candidate Starts for Kipper29_19:
(Start: 4 @12240 has 72 MA's), (29, 12300), (46, 12396), (57, 12438), (61, 12468), (64, 12492), (75, 12537), (84, 12588), (87, 12600), (92, 12618), (120, 12723), (162, 12909), (209, 13182),

Gene: KittenMittens_14 Start: 9362, Stop: 10294, Start Num: 5
Candidate Starts for KittenMittens_14:
(Start: 5 @9362 has 499 MA's), (29, 9422), (42, 9500), (46, 9518), (47, 9533), (57, 9560), (61, 9590), (64, 9614), (75, 9659), (84, 9710), (125, 9860), (128, 9875), (139, 9923), (152, 9977), (194, 10190), (201, 10226), (204, 10244), (208, 10259),

Gene: Koduck_16 Start: 11343, Stop: 12323, Start Num: 1
Candidate Starts for Koduck_16:
(Start: 1 @11343 has 2 MA's), (Start: 16 @11382 has 36 MA's), (29, 11418), (46, 11514), (57, 11556), (61, 11586), (64, 11610), (75, 11655), (84, 11706), (92, 11736), (110, 11820), (129, 11895), (162, 12045), (186, 12156), (213, 12303),

Gene: Koko_19 Start: 12235, Stop: 13206, Start Num: 4
Candidate Starts for Koko_19:
(Start: 4 @12235 has 72 MA's), (29, 12295), (46, 12391), (57, 12433), (61, 12463), (64, 12487), (75, 12532), (84, 12583), (87, 12595), (92, 12613), (120, 12718), (162, 12904),

Gene: Koreni_14 Start: 11128, Stop: 12060, Start Num: 5
Candidate Starts for Koreni_14:
(Start: 5 @11128 has 499 MA's), (29, 11188), (46, 11284), (61, 11356), (64, 11380), (84, 11476), (101, 11560), (144, 11704), (152, 11746), (186, 11908), (189, 11941), (194, 11959), (201, 11995), (208, 12028),

Gene: Kratark_15 Start: 11474, Stop: 12406, Start Num: 5
Candidate Starts for Kratark_15:
(Start: 5 @11474 has 499 MA's), (29, 11534), (46, 11630), (61, 11702), (64, 11726), (84, 11822), (92, 11852), (101, 11906), (144, 12050), (152, 12092), (186, 12254), (189, 12287), (194, 12305), (201, 12341), (208, 12374),

Gene: Kremtemulon_14 Start: 11527, Stop: 12459, Start Num: 5
Candidate Starts for Kremtemulon_14:

(Start: 5 @11527 has 499 MA's), (29, 11587), (46, 11683), (61, 11755), (64, 11779), (84, 11875), (92, 11905), (101, 11959), (144, 12103), (152, 12145), (186, 12307), (189, 12340), (194, 12358), (201, 12394), (208, 12427),

Gene: Krishelle_12 Start: 7716, Stop: 8618, Start Num: 16
Candidate Starts for Krishelle_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (148, 8292), (159, 8352), (165, 8385),

Gene: Kristoff_16 Start: 11433, Stop: 12371, Start Num: 5
Candidate Starts for Kristoff_16:
(Start: 5 @11433 has 499 MA's), (29, 11493), (42, 11571), (46, 11589), (47, 11604), (57, 11631), (61, 11661), (64, 11685), (84, 11781), (87, 11793), (92, 11811), (108, 11886), (116, 11907), (152, 12048), (156, 12069), (181, 12177), (186, 12210), (194, 12261), (201, 12297),

Gene: Kubed_6 Start: 4642, Stop: 5589, Start Num: 24
Candidate Starts for Kubed_6:
(Start: 23 @4639 has 3 MA's), (Start: 24 @4642 has 40 MA's), (33, 4690), (40, 4732), (48, 4774), (72, 4888), (79, 4918), (83, 4948), (94, 4999), (108, 5062), (123, 5122), (131, 5155), (136, 5179), (147, 5215), (151, 5251), (156, 5278), (170, 5338), (179, 5368), (198, 5482), (203, 5500), (204, 5509), (211, 5542),

Gene: Kugel_16 Start: 11675, Stop: 12868, Start Num: 11
Candidate Starts for Kugel_16:
(Start: 11 @11675 has 14 MA's), (29, 11723), (31, 11747), (46, 11819), (61, 11891), (64, 11915), (68, 11930), (84, 12011), (92, 12041), (126, 12167), (148, 12248), (152, 12275), (177, 12374), (208, 12557), (209, 12569), (220, 12701), (222, 12734), (224, 12755), (226, 12788),

Gene: KyMonks1A_17 Start: 11909, Stop: 12907, Start Num: 5
Candidate Starts for KyMonks1A_17:
(Start: 5 @11909 has 499 MA's), (42, 12053), (51, 12104), (54, 12119), (76, 12239), (80, 12260), (94, 12335), (108, 12395), (127, 12479), (132, 12497), (152, 12581), (178, 12701), (186, 12758), (194, 12797), (195, 12803),

Gene: Kyee_15 Start: 11480, Stop: 12412, Start Num: 5
Candidate Starts for Kyee_15:
(Start: 5 @11480 has 499 MA's), (29, 11540), (46, 11636), (61, 11708), (64, 11732), (84, 11828), (101, 11912), (144, 12056), (152, 12098), (186, 12260), (189, 12293), (194, 12311), (201, 12347), (208, 12380),

Gene: Kykar_13 Start: 11172, Stop: 12365, Start Num: 11
Candidate Starts for Kykar_13:
(Start: 11 @11172 has 14 MA's), (29, 11220), (31, 11244), (46, 11316), (61, 11388), (64, 11412), (68, 11427), (84, 11508), (92, 11538), (126, 11664), (148, 11745), (152, 11772), (177, 11871), (208, 12054), (209, 12066), (224, 12252), (226, 12285),

Gene: L5_17 Start: 11351, Stop: 12331, Start Num: 1
Candidate Starts for L5_17:
(Start: 1 @11351 has 2 MA's), (Start: 16 @11390 has 36 MA's), (29, 11426), (46, 11522), (57, 11564), (61, 11594), (64, 11618), (75, 11663), (84, 11714), (92, 11744), (110, 11828), (129, 11903), (162, 12053), (186, 12164), (213, 12311),

Gene: LBerry_17 Start: 11539, Stop: 12531, Start Num: 7

Candidate Starts for LBerry_17:
(Start: 7 @11539 has 112 MA's), (46, 11680), (70, 11800), (79, 11839), (84, 11872), (108, 11983), (130, 12070), (152, 12166), (168, 12247), (176, 12274), (179, 12286), (186, 12340), (192, 12385), (193, 12391), (196, 12424), (205, 12460), (209, 12484),

Gene: LHTSCC_15 Start: 11457, Stop: 12389, Start Num: 5
Candidate Starts for LHTSCC_15:
(Start: 5 @11457 has 499 MA's), (29, 11517), (46, 11613), (47, 11628), (61, 11685), (64, 11709), (84, 11805), (92, 11835), (101, 11889), (144, 12033), (152, 12075), (186, 12237), (189, 12270), (194, 12288), (201, 12324), (208, 12357),

Gene: LadyBird_16 Start: 12129, Stop: 13085, Start Num: 5
Candidate Starts for LadyBird_16:
(Start: 5 @12129 has 499 MA's), (17, 12153), (29, 12189), (46, 12285), (57, 12327), (61, 12357), (64, 12381), (75, 12426), (84, 12477), (87, 12489), (96, 12537), (123, 12639), (186, 12924), (194, 12975),

Gene: Lambert1_16 Start: 11634, Stop: 12626, Start Num: 7
Candidate Starts for Lambert1_16:
(Start: 7 @11634 has 112 MA's), (46, 11775), (79, 11934), (84, 11967), (128, 12159), (139, 12207), (148, 12234), (152, 12261), (168, 12342), (173, 12357), (179, 12381), (186, 12435), (192, 12480), (193, 12486), (196, 12519), (205, 12555), (214, 12597),

Gene: Lamina13_15 Start: 11185, Stop: 12183, Start Num: 5
Candidate Starts for Lamina13_15:
(Start: 5 @11185 has 499 MA's), (42, 11329), (51, 11380), (54, 11395), (76, 11515), (80, 11536), (94, 11611), (108, 11671), (132, 11773), (152, 11857), (178, 11977), (186, 12034), (194, 12073), (195, 12079),

Gene: Landor_17 Start: 13903, Stop: 14859, Start Num: 5
Candidate Starts for Landor_17:
(Start: 5 @13903 has 499 MA's), (29, 13963), (40, 14032), (46, 14059), (57, 14101), (61, 14131), (64, 14155), (75, 14200), (84, 14251), (92, 14281), (123, 14413), (137, 14470), (179, 14644), (186, 14698),

Gene: LappelDuVide_14 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for LappelDuVide_14:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Larenn_17 Start: 12444, Stop: 13400, Start Num: 5
Candidate Starts for Larenn_17:
(Start: 5 @12444 has 499 MA's), (29, 12504), (40, 12573), (46, 12600), (57, 12642), (61, 12672), (64, 12696), (75, 12741), (84, 12792), (117, 12927), (123, 12954), (130, 12981), (141, 13026), (179, 13185), (180, 13203), (186, 13239), (194, 13290),

Gene: LarryKay_17 Start: 11625, Stop: 12617, Start Num: 7
Candidate Starts for LarryKay_17:
(Start: 7 @11625 has 112 MA's), (46, 11766), (70, 11886), (79, 11925), (84, 11958), (108, 12069), (130, 12156), (152, 12252), (168, 12333), (176, 12360), (179, 12372), (186, 12426), (192, 12471), (193, 12477), (196, 12510), (205, 12546), (209, 12570),

Gene: LastResort_18 Start: 11295, Stop: 12245, Start Num: 5
Candidate Starts for LastResort_18:

(Start: 5 @11295 has 499 MA's), (29, 11355), (46, 11451), (61, 11523), (64, 11547), (75, 11592), (84, 11643), (92, 11673), (181, 12051), (201, 12171), (209, 12216),

Gene: Lauchelly_6 Start: 4637, Stop: 5584, Start Num: 24
Candidate Starts for Lauchelly_6:
(Start: 24 @4637 has 40 MA's), (33, 4685), (39, 4724), (48, 4769), (53, 4781), (72, 4883), (79, 4913), (83, 4943), (101, 5036), (108, 5057), (131, 5150), (143, 5198), (147, 5210), (151, 5246), (170, 5333), (176, 5351), (198, 5477), (204, 5504), (211, 5537),

Gene: Lauer_7 Start: 5150, Stop: 6109, Start Num: 9
Candidate Starts for Lauer_7:
(Start: 9 @5150 has 33 MA's), (26, 5201), (50, 5330), (67, 5417), (77, 5459), (79, 5468), (89, 5513), (106, 5597), (130, 5693), (142, 5750), (154, 5804), (162, 5840), (207, 6053), (209, 6071),

Gene: Lemur_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Lemur_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (47, 11650), (61, 11707), (64, 11731), (84, 11827), (92, 11857), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Lemuria_7 Start: 6287, Stop: 7213, Start Num: 25
Candidate Starts for Lemuria_7:
(Start: 25 @6287 has 101 MA's), (35, 6344), (36, 6347), (38, 6359), (59, 6458), (66, 6506), (74, 6539), (130, 6794), (166, 6962), (176, 7010), (179, 7022), (195, 7115), (209, 7187), (216, 7205),

Gene: LeoAvram_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for LeoAvram_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Leogania_18 Start: 14303, Stop: 15259, Start Num: 5
Candidate Starts for Leogania_18:
(Start: 5 @14303 has 499 MA's), (29, 14363), (40, 14432), (46, 14459), (57, 14501), (61, 14531), (64, 14555), (75, 14600), (84, 14651), (117, 14786), (123, 14813), (162, 14987), (180, 15062), (186, 15098), (194, 15149),

Gene: Leroy_7 Start: 4898, Stop: 5836, Start Num: 25
Candidate Starts for Leroy_7:
(Start: 25 @4898 has 101 MA's), (33, 4940), (34, 4943), (52, 5033), (71, 5135), (85, 5207), (86, 5210), (129, 5399), (164, 5552), (166, 5564), (176, 5627), (184, 5681), (207, 5786), (210, 5807),

Gene: Lesedi_14 Start: 11344, Stop: 12351, Start Num: 5
Candidate Starts for Lesedi_14:
(Start: 5 @11344 has 499 MA's), (42, 11488), (44, 11497), (51, 11539), (54, 11554), (76, 11674), (80, 11695), (94, 11770), (108, 11830), (119, 11881), (132, 11932), (152, 12016), (158, 12046), (185, 12187), (186, 12193), (195, 12241),

Gene: Lev2_13 Start: 10620, Stop: 11552, Start Num: 15
Candidate Starts for Lev2_13:
(Start: 15 @10620 has 49 MA's), (46, 10749), (61, 10821), (79, 10908), (84, 10941), (123, 11082), (152, 11205), (157, 11229), (169, 11289), (179, 11328), (181, 11349), (187, 11397), (196, 11454), (205, 11490), (209, 11514),

Gene: Leviathan_18 Start: 12617, Stop: 13573, Start Num: 5
Candidate Starts for Leviathan_18:
(Start: 5 @12617 has 499 MA's), (29, 12677), (37, 12725), (40, 12746), (46, 12773), (57, 12815), (61, 12845), (64, 12869), (84, 12965), (87, 12977), (117, 13100), (123, 13127), (130, 13154), (141, 13199), (179, 13358), (180, 13376), (186, 13412), (194, 13463),

Gene: Leviosa_6 Start: 4642, Stop: 5604, Start Num: 24
Candidate Starts for Leviosa_6:
(Start: 23 @4639 has 3 MA's), (Start: 24 @4642 has 40 MA's), (33, 4690), (40, 4732), (53, 4786), (72, 4888), (79, 4918), (83, 4948), (108, 5062), (128, 5137), (131, 5155), (151, 5251), (170, 5338), (195, 5461), (198, 5482), (204, 5509), (211, 5542),

Gene: Licorice_17 Start: 12202, Stop: 13221, Start Num: 5
Candidate Starts for Licorice_17:
(Start: 5 @12202 has 499 MA's), (51, 12397), (54, 12412), (57, 12427), (68, 12499), (76, 12532), (80, 12553), (94, 12628), (108, 12688), (152, 12874), (185, 13045), (186, 13051), (195, 13108), (202, 13144),

Gene: Liefie_7 Start: 7102, Stop: 8037, Start Num: 25
Candidate Starts for Liefie_7:
(Start: 25 @7102 has 101 MA's), (35, 7159), (36, 7162), (38, 7174), (59, 7273), (66, 7321), (74, 7354), (83, 7405), (102, 7498), (166, 7777), (173, 7816), (209, 8011),

Gene: LilBandit_6 Start: 4638, Stop: 5588, Start Num: 23
Candidate Starts for LilBandit_6:
(Start: 23 @4638 has 3 MA's), (Start: 24 @4641 has 40 MA's), (33, 4689), (40, 4731), (53, 4785), (72, 4887), (79, 4917), (83, 4947), (94, 4998), (108, 5061), (131, 5154), (136, 5178), (147, 5214), (151, 5250), (156, 5277), (161, 5295), (170, 5337), (179, 5367), (195, 5460), (198, 5481), (203, 5499), (204, 5508), (211, 5541),

Gene: LilBib_16 Start: 12144, Stop: 13151, Start Num: 5
Candidate Starts for LilBib_16:
(Start: 5 @12144 has 499 MA's), (54, 12354), (76, 12474), (80, 12495), (94, 12570), (108, 12630), (127, 12714), (132, 12732), (152, 12816), (186, 12993), (194, 13032), (195, 13038),

Gene: LilTurb_18 Start: 12644, Stop: 13600, Start Num: 5
Candidate Starts for LilTurb_18:
(Start: 5 @12644 has 499 MA's), (29, 12704), (37, 12752), (40, 12773), (46, 12800), (57, 12842), (61, 12872), (64, 12896), (84, 12992), (87, 13004), (117, 13127), (123, 13154), (130, 13181), (141, 13226), (179, 13385), (180, 13403), (186, 13439), (194, 13490),

Gene: Lilbunny_18 Start: 12216, Stop: 13187, Start Num: 4
Candidate Starts for Lilbunny_18:
(Start: 4 @12216 has 72 MA's), (29, 12276), (46, 12372), (57, 12414), (61, 12444), (64, 12468), (75, 12513), (84, 12564), (87, 12576), (92, 12594), (120, 12699), (162, 12885), (209, 13158),

Gene: Lilith_17 Start: 11532, Stop: 12524, Start Num: 7
Candidate Starts for Lilith_17:
(Start: 7 @11532 has 112 MA's), (46, 11673), (70, 11793), (79, 11832), (84, 11865), (108, 11976), (130, 12063), (152, 12159), (168, 12240), (176, 12267), (179, 12279), (186, 12333), (192, 12378), (193, 12384), (196, 12417), (205, 12453), (209, 12477),

Gene: Lillie_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Lillie_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: LitninMcQueen_7 Start: 4901, Stop: 5842, Start Num: 25
Candidate Starts for LitninMcQueen_7:
(Start: 25 @4901 has 101 MA's), (52, 5036), (66, 5117), (71, 5138), (86, 5213), (114, 5339), (160, 5540), (164, 5558), (171, 5591), (182, 5675), (210, 5813),

Gene: LittleB_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for LittleB_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (92, 11857), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: LittleCherry_13 Start: 10800, Stop: 11732, Start Num: 15
Candidate Starts for LittleCherry_13:
(Start: 15 @10800 has 49 MA's), (46, 10929), (57, 10971), (61, 11001), (79, 11088), (84, 11121), (152, 11385), (157, 11409), (169, 11469), (179, 11508), (181, 11529), (187, 11577), (196, 11634), (205, 11670), (209, 11694),

Gene: LittleGuy_15 Start: 11425, Stop: 12357, Start Num: 5
Candidate Starts for LittleGuy_15:
(Start: 5 @11425 has 499 MA's), (29, 11485), (46, 11581), (61, 11653), (64, 11677), (84, 11773), (92, 11803), (101, 11857), (144, 12001), (152, 12043), (186, 12205), (189, 12238), (194, 12256), (201, 12292), (208, 12325),

Gene: LochMonster_15 Start: 11454, Stop: 12386, Start Num: 5
Candidate Starts for LochMonster_15:
(Start: 5 @11454 has 499 MA's), (29, 11514), (46, 11610), (61, 11682), (64, 11706), (84, 11802), (92, 11832), (101, 11886), (144, 12030), (152, 12072), (186, 12234), (189, 12267), (194, 12285), (201, 12321), (208, 12354),

Gene: Lockley_15 Start: 11523, Stop: 12521, Start Num: 5
Candidate Starts for Lockley_15:
(Start: 5 @11523 has 499 MA's), (42, 11667), (51, 11718), (54, 11733), (76, 11853), (80, 11874), (94, 11949), (108, 12009), (132, 12111), (152, 12195), (178, 12315), (186, 12372), (194, 12411), (195, 12417),

Gene: Lokk_19 Start: 13850, Stop: 14797, Start Num: 11
Candidate Starts for Lokk_19:
(8, 13844), (Start: 11 @13850 has 14 MA's), (29, 13901), (37, 13949), (46, 13997), (47, 14012), (57, 14039), (61, 14069), (68, 14108), (84, 14189), (106, 14291), (152, 14474), (177, 14573), (179, 14582), (186, 14636),

Gene: LoneWolf_17 Start: 12688, Stop: 13647, Start Num: 5
Candidate Starts for LoneWolf_17:
(Start: 5 @12688 has 499 MA's), (29, 12748), (45, 12838), (46, 12844), (57, 12886), (61, 12916), (64, 12940), (75, 12985), (84, 13036), (87, 13048), (92, 13066), (96, 13096), (120, 13189), (123, 13201), (179, 13432), (194, 13537),

Gene: Looper_19 Start: 11295, Stop: 12245, Start Num: 5

Candidate Starts for Looper_19:
(Start: 5 @11295 has 499 MA's), (29, 11355), (46, 11451), (61, 11523), (64, 11547), (75, 11592), (84, 11643), (92, 11673), (181, 12051), (201, 12171), (209, 12216),

Gene: Lopton_16 Start: 12951, Stop: 13952, Start Num: 5
Candidate Starts for Lopton_16:
(Start: 5 @12951 has 499 MA's), (54, 13161), (76, 13281), (80, 13302), (94, 13377), (108, 13437), (127, 13521), (132, 13539), (152, 13623), (186, 13800), (194, 13839), (195, 13845), (212, 13929),

Gene: Lorenzo_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Lorenzo_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Loser_19 Start: 13935, Stop: 14891, Start Num: 5
Candidate Starts for Loser_19:
(Start: 5 @13935 has 499 MA's), (29, 13995), (40, 14064), (46, 14091), (57, 14133), (61, 14163), (64, 14187), (75, 14232), (84, 14283), (92, 14313), (96, 14343), (130, 14472), (141, 14517), (162, 14619), (180, 14694), (186, 14730), (194, 14781),

Gene: Louie6_17 Start: 11626, Stop: 12618, Start Num: 7
Candidate Starts for Louie6_17:
(Start: 7 @11626 has 112 MA's), (46, 11767), (70, 11887), (79, 11926), (84, 11959), (108, 12070), (130, 12157), (152, 12253), (168, 12334), (176, 12361), (179, 12373), (186, 12427), (192, 12472), (193, 12478), (196, 12511), (205, 12547), (209, 12571),

Gene: LouisV14_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for LouisV14_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Luchador_16 Start: 12226, Stop: 13173, Start Num: 11
Candidate Starts for Luchador_16:
(Start: 11 @12226 has 14 MA's), (29, 12277), (46, 12373), (47, 12388), (57, 12415), (61, 12445), (68, 12484), (75, 12514), (84, 12565), (87, 12577), (117, 12700), (125, 12733), (179, 12958), (186, 13012), (194, 13063),

Gene: Lucivia_16 Start: 12748, Stop: 13737, Start Num: 4
Candidate Starts for Lucivia_16:
(Start: 4 @12748 has 72 MA's), (29, 12808), (33, 12838), (45, 12898), (46, 12904), (57, 12946), (61, 12976), (64, 13000), (75, 13045), (84, 13096), (87, 13108), (92, 13126), (110, 13210), (120, 13246), (123, 13258), (130, 13285), (186, 13543), (204, 13648),

Gene: Lucky10_6 Start: 4488, Stop: 5390, Start Num: 25
Candidate Starts for Lucky10_6:
(Start: 25 @4488 has 101 MA's), (26, 4494), (40, 4572), (46, 4599), (69, 4713), (73, 4731), (74, 4737), (115, 4932), (161, 5118), (164, 5130), (166, 5142), (176, 5184), (186, 5253), (197, 5310), (203, 5331),

Gene: Lucyedi_17 Start: 12342, Stop: 13298, Start Num: 5
Candidate Starts for Lucyedi_17:
(Start: 5 @12342 has 499 MA's), (29, 12402), (45, 12492), (46, 12498), (57, 12540), (61, 12570), (64, 12594), (75, 12639), (84, 12690), (92, 12720), (101, 12774), (120, 12840), (204, 13242),

Gene: LugYA_19 Start: 11537, Stop: 12529, Start Num: 7
Candidate Starts for LugYA_19:
(Start: 7 @11537 has 112 MA's), (46, 11678), (70, 11798), (79, 11837), (84, 11870), (108, 11981), (130, 12068), (152, 12164), (168, 12245), (176, 12272), (179, 12284), (186, 12338), (192, 12383), (193, 12389), (196, 12422), (205, 12458), (209, 12482),

Gene: Lunsford_16 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Lunsford_16:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (47, 11650), (61, 11707), (64, 11731), (84, 11827), (92, 11857), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Lutum_7 Start: 4897, Stop: 5835, Start Num: 25
Candidate Starts for Lutum_7:
(Start: 25 @4897 has 101 MA's), (33, 4939), (34, 4942), (52, 5032), (71, 5134), (85, 5206), (86, 5209), (129, 5398), (164, 5551), (166, 5563), (176, 5626), (184, 5680), (207, 5785), (210, 5806),

Gene: MA5_15 Start: 10708, Stop: 11679, Start Num: 7
Candidate Starts for MA5_15:
(Start: 7 @10708 has 112 MA's), (46, 10849), (70, 10969), (79, 11008), (84, 11041), (110, 11161), (139, 11278), (152, 11332), (168, 11413), (176, 11440), (186, 11506), (192, 11551), (193, 11557), (196, 11590), (205, 11626),

Gene: MAnor_8 Start: 5091, Stop: 6050, Start Num: 9
Candidate Starts for MAnor_8:
(Start: 9 @5091 has 33 MA's), (26, 5142), (33, 5181), (67, 5358), (77, 5400), (79, 5409), (89, 5454), (106, 5538), (130, 5634), (142, 5691), (154, 5745), (162, 5781), (207, 5994), (209, 6012),

Gene: MEAK_6 Start: 4640, Stop: 5587, Start Num: 24
Candidate Starts for MEAK_6:
(Start: 23 @4637 has 3 MA's), (Start: 24 @4640 has 40 MA's), (33, 4688), (40, 4730), (48, 4772), (53, 4784), (72, 4886), (79, 4916), (84, 4949), (131, 5153), (136, 5177), (147, 5213), (151, 5249), (156, 5276), (170, 5336), (179, 5366), (198, 5480), (204, 5507), (211, 5540),

Gene: MK4_15 Start: 10980, Stop: 11972, Start Num: 7
Candidate Starts for MK4_15:
(Start: 7 @10980 has 112 MA's), (13, 10989), (46, 11121), (70, 11241), (79, 11280), (84, 11313), (108, 11424), (110, 11433), (139, 11550), (152, 11604), (169, 11688), (186, 11778), (193, 11829), (196, 11862), (205, 11898),

Gene: MOOREtheMARYer_7 Start: 7192, Stop: 8094, Start Num: 25
Candidate Starts for MOOREtheMARYer_7:
(Start: 25 @7192 has 101 MA's), (28, 7201), (36, 7249), (66, 7408), (69, 7417), (74, 7441), (83, 7492), (84, 7495), (129, 7681), (134, 7702), (164, 7834), (182, 7933), (186, 7957),

Gene: MPlant7149_14 Start: 11161, Stop: 12162, Start Num: 5
Candidate Starts for MPlant7149_14:
(Start: 5 @11161 has 499 MA's), (54, 11371), (76, 11491), (80, 11512), (94, 11587), (108, 11647), (119, 11698), (120, 11701), (127, 11731), (132, 11749), (152, 11833), (186, 12010), (194, 12049), (195, 12055),

Gene: MScarn_10 Start: 5370, Stop: 6326, Start Num: 9

Candidate Starts for MScarn_10:
(Start: 9 @5370 has 33 MA's), (13, 5385), (26, 5412), (49, 5538), (53, 5547), (66, 5625), (77, 5670), (79, 5679), (89, 5724), (96, 5760), (113, 5835), (154, 6015), (162, 6051), (163, 6054), (168, 6081), (201, 6237), (207, 6264), (209, 6282),

Gene: MaCh_16 Start: 12696, Stop: 13685, Start Num: 4
Candidate Starts for MaCh_16:
(Start: 4 @12696 has 72 MA's), (29, 12756), (33, 12786), (45, 12846), (46, 12852), (57, 12894), (61, 12924), (64, 12948), (75, 12993), (84, 13044), (87, 13056), (92, 13074), (110, 13158), (120, 13194), (123, 13206), (130, 13233), (186, 13491), (204, 13596),

Gene: MaVan_10 Start: 6293, Stop: 7219, Start Num: 19
Candidate Starts for MaVan_10:
(Start: 19 @6293 has 9 MA's), (46, 6428), (68, 6539), (77, 6578), (83, 6608), (89, 6632), (96, 6668), (106, 6716), (113, 6743), (128, 6806), (129, 6809), (130, 6812), (154, 6923), (162, 6959), (166, 6977), (168, 6989), (183, 7058), (185, 7073), (200, 7142), (207, 7172),

Gene: Mabel_16 Start: 12763, Stop: 13752, Start Num: 4
Candidate Starts for Mabel_16:
(Start: 4 @12763 has 72 MA's), (29, 12823), (33, 12853), (45, 12913), (46, 12919), (57, 12961), (61, 12991), (64, 13015), (75, 13060), (84, 13111), (87, 13123), (92, 13141), (110, 13225), (120, 13261), (123, 13273), (130, 13300), (186, 13558), (204, 13663),

Gene: MadMarie_17 Start: 11541, Stop: 12533, Start Num: 7
Candidate Starts for MadMarie_17:
(Start: 7 @11541 has 112 MA's), (46, 11682), (70, 11802), (79, 11841), (84, 11874), (108, 11985), (130, 12072), (152, 12168), (168, 12249), (176, 12276), (179, 12288), (186, 12342), (192, 12387), (193, 12393), (196, 12426), (205, 12462), (209, 12486),

Gene: Magnar_15 Start: 11308, Stop: 12309, Start Num: 5
Candidate Starts for Magnar_15:
(Start: 5 @11308 has 499 MA's), (54, 11518), (76, 11638), (80, 11659), (94, 11734), (108, 11794), (127, 11878), (132, 11896), (152, 11980), (186, 12157), (194, 12196), (195, 12202), (212, 12286),

Gene: Magnito_14 Start: 11060, Stop: 12073, Start Num: 5
Candidate Starts for Magnito_14:
(Start: 5 @11060 has 499 MA's), (42, 11204), (51, 11255), (54, 11270), (76, 11390), (80, 11411), (94, 11486), (108, 11546), (119, 11597), (132, 11648), (152, 11732), (185, 11903), (186, 11909), (195, 11966), (205, 12017),

Gene: Mainiac_17 Start: 11532, Stop: 12524, Start Num: 7
Candidate Starts for Mainiac_17:
(Start: 7 @11532 has 112 MA's), (46, 11673), (70, 11793), (79, 11832), (84, 11865), (108, 11976), (130, 12063), (152, 12159), (168, 12240), (176, 12267), (179, 12279), (186, 12333), (192, 12378), (193, 12384), (196, 12417), (205, 12453), (209, 12477),

Gene: Makemake_15 Start: 12792, Stop: 13802, Start Num: 5
Candidate Starts for Makemake_15:
(Start: 5 @12792 has 499 MA's), (42, 12936), (51, 12987), (54, 13002), (76, 13122), (80, 13143), (94, 13218), (108, 13278), (119, 13329), (127, 13362), (132, 13380), (152, 13464), (185, 13635), (186, 13641), (195, 13695),

Gene: Malec_17 Start: 12449, Stop: 13405, Start Num: 5

Candidate Starts for Malec_17:
(Start: 5 @12449 has 499 MA's), (29, 12509), (40, 12578), (46, 12605), (57, 12647), (61, 12677), (64, 12701), (75, 12746), (84, 12797), (117, 12932), (123, 12959), (130, 12986), (141, 13031), (179, 13190), (180, 13208), (186, 13244), (194, 13295),

Gene: Malinsilva_19 Start: 11531, Stop: 12523, Start Num: 7
Candidate Starts for Malinsilva_19:
(Start: 7 @11531 has 112 MA's), (46, 11672), (70, 11792), (79, 11831), (84, 11864), (108, 11975), (130, 12062), (152, 12158), (168, 12239), (176, 12266), (179, 12278), (186, 12332), (192, 12377), (193, 12383), (196, 12416), (205, 12452), (209, 12476),

Gene: Malisha_7 Start: 5938, Stop: 6879, Start Num: 25
Candidate Starts for Malisha_7:
(Start: 25 @5938 has 101 MA's), (52, 6073), (71, 6175), (86, 6250), (160, 6577), (161, 6583), (164, 6595), (166, 6607), (176, 6670), (182, 6712), (207, 6829), (210, 6850),

Gene: Maminiaina_17 Start: 12612, Stop: 13571, Start Num: 5
Candidate Starts for Maminiaina_17:
(Start: 5 @12612 has 499 MA's), (29, 12672), (45, 12762), (46, 12768), (57, 12810), (61, 12840), (64, 12864), (75, 12909), (84, 12960), (92, 12990), (110, 13074), (120, 13113), (123, 13125), (162, 13299), (179, 13356), (194, 13461),

Gene: Manatee_16 Start: 11592, Stop: 12593, Start Num: 5
Candidate Starts for Manatee_16:
(Start: 5 @11592 has 499 MA's), (42, 11736), (51, 11787), (54, 11802), (76, 11922), (80, 11943), (94, 12018), (108, 12078), (132, 12180), (152, 12264), (178, 12384), (186, 12441), (194, 12480), (195, 12486), (205, 12537),

Gene: Manu_18 Start: 11610, Stop: 12608, Start Num: 7
Candidate Starts for Manu_18:
(Start: 7 @11610 has 112 MA's), (46, 11751), (70, 11871), (79, 11910), (84, 11943), (130, 12141), (148, 12210), (152, 12237), (168, 12318), (186, 12411), (192, 12456), (193, 12462), (196, 12495), (205, 12531), (209, 12555),

Gene: MarQuardt_17 Start: 11540, Stop: 12532, Start Num: 7
Candidate Starts for MarQuardt_17:
(Start: 7 @11540 has 112 MA's), (46, 11681), (70, 11801), (79, 11840), (84, 11873), (108, 11984), (130, 12071), (152, 12167), (168, 12248), (176, 12275), (179, 12287), (186, 12341), (192, 12386), (193, 12392), (196, 12425), (205, 12461), (209, 12485),

Gene: Marcell_15 Start: 11521, Stop: 12540, Start Num: 5
Candidate Starts for Marcell_15:
(Start: 5 @11521 has 499 MA's), (51, 11716), (54, 11731), (57, 11746), (68, 11818), (76, 11851), (80, 11872), (94, 11947), (108, 12007), (152, 12193), (185, 12364), (186, 12370), (195, 12427), (202, 12463),

Gene: Marchy_13 Start: 11148, Stop: 12152, Start Num: 5
Candidate Starts for Marchy_13:
(Start: 5 @11148 has 499 MA's), (42, 11292), (44, 11301), (51, 11343), (54, 11358), (76, 11478), (80, 11499), (94, 11574), (108, 11634), (132, 11736), (152, 11820), (158, 11850), (178, 11940), (185, 11991), (186, 11997), (195, 12045),

Gene: Margaret_11 Start: 6145, Stop: 7074, Start Num: 18

Candidate Starts for Margaret_11:
(Start: 18 @6145 has 6 MA's), (33, 6211), (53, 6307), (58, 6334), (77, 6430), (79, 6439), (80, 6445), (89, 6484), (96, 6520), (106, 6568), (154, 6775), (162, 6811), (201, 6997),

Gene: Marge_16 Start: 12044, Stop: 13048, Start Num: 5
Candidate Starts for Marge_16:
(Start: 5 @12044 has 499 MA's), (42, 12188), (44, 12197), (51, 12239), (54, 12254), (76, 12374), (80, 12395), (94, 12470), (108, 12530), (127, 12614), (132, 12632), (152, 12716), (158, 12746), (178, 12836), (185, 12887), (186, 12893), (195, 12941), (212, 13025),

Gene: Margo_16 Start: 11659, Stop: 12651, Start Num: 7
Candidate Starts for Margo_16:
(Start: 7 @11659 has 112 MA's), (46, 11800), (79, 11959), (84, 11992), (128, 12184), (139, 12232), (148, 12259), (152, 12286), (168, 12367), (173, 12382), (179, 12406), (186, 12460), (192, 12505), (193, 12511), (196, 12544), (205, 12580), (214, 12622),

Gene: Marie_17 Start: 11537, Stop: 12529, Start Num: 7
Candidate Starts for Marie_17:
(Start: 7 @11537 has 112 MA's), (46, 11678), (70, 11798), (79, 11837), (84, 11870), (108, 11981), (130, 12068), (152, 12164), (168, 12245), (176, 12272), (179, 12284), (186, 12338), (192, 12383), (193, 12389), (196, 12422), (205, 12458), (209, 12482),

Gene: Marius_18 Start: 11610, Stop: 12608, Start Num: 7
Candidate Starts for Marius_18:
(Start: 7 @11610 has 112 MA's), (46, 11751), (70, 11871), (79, 11910), (84, 11943), (130, 12141), (148, 12210), (152, 12237), (168, 12318), (186, 12411), (192, 12456), (193, 12462), (196, 12495), (205, 12531), (209, 12555),

Gene: Marmie_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Marmie_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Maroc7_14 Start: 11333, Stop: 12334, Start Num: 5
Candidate Starts for Maroc7_14:
(Start: 5 @11333 has 499 MA's), (54, 11543), (76, 11663), (80, 11684), (94, 11759), (108, 11819), (127, 11903), (132, 11921), (152, 12005), (186, 12182), (194, 12221), (195, 12227), (212, 12311),

Gene: Marsha_15 Start: 11777, Stop: 12796, Start Num: 5
Candidate Starts for Marsha_15:
(Start: 5 @11777 has 499 MA's), (51, 11972), (54, 11987), (68, 12074), (76, 12107), (80, 12128), (94, 12203), (108, 12263), (152, 12449), (185, 12620), (186, 12626), (195, 12683), (202, 12719),

Gene: MaryBeth_15 Start: 11755, Stop: 12756, Start Num: 5
Candidate Starts for MaryBeth_15:
(Start: 5 @11755 has 499 MA's), (42, 11899), (51, 11950), (54, 11965), (76, 12085), (80, 12106), (94, 12181), (108, 12241), (132, 12343), (152, 12427), (178, 12547), (186, 12604), (194, 12643), (195, 12649), (205, 12700),

Gene: MarysWell_12 Start: 10767, Stop: 11699, Start Num: 15
Candidate Starts for MarysWell_12:
(Start: 15 @10767 has 49 MA's), (46, 10896), (57, 10938), (61, 10968), (79, 11055), (84, 11088), (152, 11352), (157, 11376), (169, 11436), (179, 11475), (181, 11496), (187, 11544), (196, 11601), (205,

11637), (209, 11661),

Gene: Maverick_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Maverick_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Maxo_15 Start: 11480, Stop: 12412, Start Num: 5
Candidate Starts for Maxo_15:
(Start: 5 @11480 has 499 MA's), (29, 11540), (46, 11636), (61, 11708), (64, 11732), (84, 11828), (101, 11912), (144, 12056), (152, 12098), (186, 12260), (189, 12293), (194, 12311), (201, 12347), (208, 12380),

Gene: Mayweather_9 Start: 5712, Stop: 6671, Start Num: 9
Candidate Starts for Mayweather_9:
(Start: 9 @5712 has 33 MA's), (26, 5763), (33, 5802), (67, 5979), (77, 6021), (79, 6030), (89, 6075), (106, 6159), (130, 6255), (142, 6312), (154, 6366), (162, 6402), (207, 6615), (209, 6633),

Gene: Mazhar510_15 Start: 11480, Stop: 12412, Start Num: 5
Candidate Starts for Mazhar510_15:
(Start: 5 @11480 has 499 MA's), (29, 11540), (46, 11636), (61, 11708), (64, 11732), (84, 11828), (92, 11858), (101, 11912), (144, 12056), (152, 12098), (186, 12260), (189, 12293), (194, 12311), (201, 12347), (208, 12380),

Gene: McFly_19 Start: 12240, Stop: 13211, Start Num: 4
Candidate Starts for McFly_19:
(Start: 4 @12240 has 72 MA's), (29, 12300), (46, 12396), (57, 12438), (61, 12468), (64, 12492), (75, 12537), (84, 12588), (87, 12600), (92, 12618), (120, 12723), (162, 12909), (209, 13182),

Gene: McGuire_16 Start: 11638, Stop: 12636, Start Num: 5
Candidate Starts for McGuire_16:
(Start: 5 @11638 has 499 MA's), (42, 11782), (51, 11833), (54, 11848), (76, 11968), (80, 11989), (94, 12064), (108, 12124), (127, 12208), (132, 12226), (152, 12310), (178, 12430), (186, 12487), (194, 12526), (195, 12532),

Gene: Medusa_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Medusa_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: MeeZee_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for MeeZee_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Melvin_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Melvin_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Mercurio_8 Start: 6915, Stop: 7841, Start Num: 25
Candidate Starts for Mercurio_8:
(Start: 25 @6915 has 101 MA's), (35, 6972), (36, 6975), (38, 6987), (40, 7002), (59, 7086), (66, 7134), (74, 7167), (83, 7218), (114, 7356), (135, 7455), (157, 7548), (166, 7590), (179, 7650), (209, 7815), (216, 7833),

Gene: MetalQZJ_15 Start: 11755, Stop: 12756, Start Num: 5
Candidate Starts for MetalQZJ_15:
(Start: 5 @11755 has 499 MA's), (42, 11899), (51, 11950), (54, 11965), (76, 12085), (80, 12106), (94, 12181), (108, 12241), (132, 12343), (152, 12427), (178, 12547), (186, 12604), (194, 12643), (195, 12649), (205, 12700),

Gene: Methuselah_17 Start: 11622, Stop: 12614, Start Num: 7
Candidate Starts for Methuselah_17:
(Start: 7 @11622 has 112 MA's), (46, 11763), (70, 11883), (79, 11922), (84, 11955), (108, 12066), (130, 12153), (152, 12249), (168, 12330), (176, 12357), (179, 12369), (186, 12423), (192, 12468), (193, 12474), (196, 12507), (205, 12543), (209, 12567),

Gene: Micasa_12 Start: 10768, Stop: 11700, Start Num: 15
Candidate Starts for Micasa_12:
(Start: 15 @10768 has 49 MA's), (46, 10897), (57, 10939), (61, 10969), (79, 11056), (84, 11089), (152, 11353), (157, 11377), (169, 11437), (179, 11476), (181, 11497), (187, 11545), (196, 11602), (205, 11638), (209, 11662),

Gene: Michley_15 Start: 11502, Stop: 12503, Start Num: 5
Candidate Starts for Michley_15:
(Start: 5 @11502 has 499 MA's), (42, 11646), (51, 11697), (54, 11712), (76, 11832), (80, 11853), (94, 11928), (108, 11988), (127, 12072), (132, 12090), (152, 12174), (178, 12294), (186, 12351), (194, 12390), (195, 12396), (212, 12480),

Gene: Microwolf_17 Start: 11540, Stop: 12532, Start Num: 7
Candidate Starts for Microwolf_17:
(Start: 7 @11540 has 112 MA's), (46, 11681), (70, 11801), (79, 11840), (84, 11873), (108, 11984), (130, 12071), (152, 12167), (168, 12248), (176, 12275), (179, 12287), (186, 12341), (192, 12386), (193, 12392), (196, 12425), (205, 12461), (209, 12485),

Gene: MiculUcigas_16 Start: 12213, Stop: 13169, Start Num: 5
Candidate Starts for MiculUcigas_16:
(Start: 5 @12213 has 499 MA's), (29, 12273), (40, 12342), (46, 12369), (57, 12411), (61, 12441), (64, 12465), (75, 12510), (84, 12561), (87, 12573), (117, 12696), (123, 12723), (130, 12750), (141, 12795), (179, 12954), (180, 12972), (186, 13008), (194, 13059),

Gene: Midas2_13 Start: 10767, Stop: 11699, Start Num: 15
Candidate Starts for Midas2_13:
(Start: 15 @10767 has 49 MA's), (46, 10896), (57, 10938), (61, 10968), (79, 11055), (84, 11088), (152, 11352), (157, 11376), (169, 11436), (179, 11475), (181, 11496), (187, 11544), (196, 11601), (205, 11637), (209, 11661),

Gene: Miko_19 Start: 13819, Stop: 14766, Start Num: 11
Candidate Starts for Miko_19:
(8, 13813), (Start: 11 @13819 has 14 MA's), (29, 13870), (46, 13966), (47, 13981), (57, 14008), (61, 14038), (68, 14077), (84, 14158), (106, 14260), (137, 14377), (152, 14443), (177, 14542), (179,

14551), (186, 14605), (194, 14656),

Gene: Milcery_13 Start: 10804, Stop: 11736, Start Num: 15
Candidate Starts for Milcery_13:
(Start: 15 @10804 has 49 MA's), (46, 10933), (57, 10975), (61, 11005), (79, 11092), (84, 11125), (152, 11389), (157, 11413), (169, 11473), (179, 11512), (181, 11533), (187, 11581), (196, 11638), (205, 11674), (209, 11698),

Gene: Millski_15 Start: 11482, Stop: 12414, Start Num: 5
Candidate Starts for Millski_15:
(Start: 5 @11482 has 499 MA's), (29, 11542), (46, 11638), (61, 11710), (64, 11734), (84, 11830), (101, 11914), (144, 12058), (152, 12100), (186, 12262), (189, 12295), (194, 12313), (201, 12349), (208, 12382),

Gene: MinecraftSteve_19 Start: 11417, Stop: 12367, Start Num: 5
Candidate Starts for MinecraftSteve_19:
(Start: 5 @11417 has 499 MA's), (29, 11477), (46, 11573), (61, 11645), (64, 11669), (75, 11714), (84, 11765), (92, 11795), (181, 12173), (201, 12293), (209, 12338),

Gene: Miramae_15 Start: 11439, Stop: 12371, Start Num: 5
Candidate Starts for Miramae_15:
(Start: 5 @11439 has 499 MA's), (29, 11499), (46, 11595), (47, 11610), (61, 11667), (64, 11691), (84, 11787), (101, 11871), (144, 12015), (152, 12057), (189, 12252), (194, 12270), (208, 12339),

Gene: Misomonster_19 Start: 11622, Stop: 12614, Start Num: 7
Candidate Starts for Misomonster_19:
(Start: 7 @11622 has 112 MA's), (46, 11763), (70, 11883), (79, 11922), (84, 11955), (108, 12066), (130, 12153), (152, 12249), (168, 12330), (176, 12357), (179, 12369), (186, 12423), (192, 12468), (193, 12474), (196, 12507), (205, 12543), (209, 12567),

Gene: MissWhite_16 Start: 11203, Stop: 12207, Start Num: 5
Candidate Starts for MissWhite_16:
(Start: 5 @11203 has 499 MA's), (29, 11263), (46, 11359), (57, 11401), (61, 11431), (64, 11455), (75, 11500), (84, 11551), (92, 11581), (129, 11722), (152, 11824), (156, 11845), (174, 11935), (179, 11962), (186, 12016), (214, 12166),

Gene: Molly_16 Start: 11363, Stop: 12364, Start Num: 5
Candidate Starts for Molly_16:
(Start: 5 @11363 has 499 MA's), (54, 11573), (76, 11693), (80, 11714), (94, 11789), (108, 11849), (127, 11933), (132, 11951), (152, 12035), (186, 12212), (194, 12251), (195, 12257), (212, 12341),

Gene: Monet_17 Start: 12561, Stop: 13577, Start Num: 5
Candidate Starts for Monet_17:
(Start: 5 @12561 has 499 MA's), (51, 12756), (54, 12771), (76, 12891), (80, 12912), (94, 12987), (108, 13047), (152, 13233), (185, 13404), (186, 13410), (195, 13467), (202, 13503),

Gene: MoneyMay_17 Start: 11537, Stop: 12529, Start Num: 7
Candidate Starts for MoneyMay_17:
(Start: 7 @11537 has 112 MA's), (46, 11678), (70, 11798), (79, 11837), (84, 11870), (108, 11981), (130, 12068), (152, 12164), (168, 12245), (176, 12272), (179, 12284), (186, 12338), (192, 12383), (193, 12389), (196, 12422), (205, 12458), (209, 12482),

Gene: Moose_14 Start: 11595, Stop: 12593, Start Num: 5

Candidate Starts for Moose_14:
(Start: 5 @11595 has 499 MA's), (42, 11739), (51, 11790), (54, 11805), (76, 11925), (80, 11946), (94, 12021), (108, 12081), (132, 12183), (152, 12267), (178, 12387), (186, 12444), (194, 12483), (195, 12489),

Gene: Morkie_6 Start: 4456, Stop: 5358, Start Num: 25
Candidate Starts for Morkie_6:
(Start: 25 @4456 has 101 MA's), (35, 4513), (46, 4570), (66, 4675), (74, 4708), (114, 4897), (115, 4903), (155, 5074), (175, 5155), (207, 5314),

Gene: Morpher26_15 Start: 11491, Stop: 12423, Start Num: 5
Candidate Starts for Morpher26_15:
(Start: 5 @11491 has 499 MA's), (29, 11551), (46, 11647), (47, 11662), (61, 11719), (64, 11743), (84, 11839), (101, 11923), (144, 12067), (152, 12109), (186, 12271), (189, 12304), (201, 12358), (208, 12391),

Gene: Morrow_15 Start: 11482, Stop: 12414, Start Num: 5
Candidate Starts for Morrow_15:
(Start: 5 @11482 has 499 MA's), (29, 11542), (46, 11638), (61, 11710), (64, 11734), (84, 11830), (101, 11914), (144, 12058), (152, 12100), (186, 12262), (189, 12295), (194, 12313), (201, 12349), (208, 12382),

Gene: Mowgli_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Mowgli_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Moyashi_6 Start: 4638, Stop: 5609, Start Num: 24
Candidate Starts for Moyashi_6:
(Start: 23 @4635 has 3 MA's), (Start: 24 @4638 has 40 MA's), (33, 4686), (40, 4728), (72, 4884), (79, 4914), (84, 4947), (108, 5058), (131, 5151), (136, 5175), (147, 5211), (151, 5247), (156, 5274), (170, 5334), (198, 5478), (203, 5496), (211, 5538),

Gene: MrAK_6 Start: 4647, Stop: 5618, Start Num: 24
Candidate Starts for MrAK_6:
(Start: 24 @4647 has 40 MA's), (33, 4695), (40, 4737), (53, 4791), (72, 4893), (79, 4923), (84, 4956), (94, 5004), (108, 5067), (131, 5160), (136, 5184), (147, 5220), (151, 5256), (170, 5343), (198, 5487), (203, 5505), (204, 5514), (211, 5547),

Gene: MrGordo_15 Start: 11315, Stop: 12316, Start Num: 5
Candidate Starts for MrGordo_15:
(Start: 5 @11315 has 499 MA's), (42, 11459), (51, 11510), (54, 11525), (76, 11645), (80, 11666), (94, 11741), (108, 11801), (132, 11903), (152, 11987), (178, 12107), (186, 12164), (194, 12203), (195, 12209), (212, 12293),

Gene: MrSmee_6 Start: 4404, Stop: 5294, Start Num: 25
Candidate Starts for MrSmee_6:
(Start: 25 @4404 has 101 MA's), (46, 4515), (105, 4806), (110, 4821), (133, 4911), (146, 4962), (166, 5058), (179, 5106), (212, 5280),

Gene: Mryolo_14 Start: 11346, Stop: 12350, Start Num: 5
Candidate Starts for Mryolo_14:

(Start: 5 @11346 has 499 MA's), (42, 11490), (44, 11499), (51, 11541), (54, 11556), (76, 11676), (80, 11697), (94, 11772), (108, 11832), (132, 11934), (152, 12018), (158, 12048), (178, 12138), (185, 12189), (186, 12195), (195, 12243),

Gene: MuchMore_19 Start: 11531, Stop: 12523, Start Num: 7
Candidate Starts for MuchMore_19:
(Start: 7 @11531 has 112 MA's), (46, 11672), (70, 11792), (79, 11831), (84, 11864), (108, 11975), (130, 12062), (152, 12158), (168, 12239), (176, 12266), (179, 12278), (186, 12332), (192, 12377), (193, 12383), (196, 12416), (205, 12452), (209, 12476),

Gene: Mulciber_16 Start: 12699, Stop: 13688, Start Num: 4
Candidate Starts for Mulciber_16:
(Start: 4 @12699 has 72 MA's), (29, 12759), (33, 12789), (45, 12849), (46, 12855), (57, 12897), (61, 12927), (64, 12951), (75, 12996), (84, 13047), (87, 13059), (92, 13077), (110, 13161), (120, 13197), (123, 13209), (130, 13236), (186, 13494), (204, 13599),

Gene: Mule_15 Start: 11631, Stop: 12638, Start Num: 5
Candidate Starts for Mule_15:
(Start: 5 @11631 has 499 MA's), (42, 11775), (44, 11784), (51, 11826), (54, 11841), (76, 11961), (80, 11982), (94, 12057), (108, 12117), (132, 12219), (152, 12303), (158, 12333), (185, 12474), (186, 12480), (195, 12528),

Gene: Munch_16 Start: 12699, Stop: 13688, Start Num: 4
Candidate Starts for Munch_16:
(Start: 4 @12699 has 72 MA's), (29, 12759), (33, 12789), (45, 12849), (46, 12855), (57, 12897), (61, 12927), (64, 12951), (75, 12996), (84, 13047), (87, 13059), (92, 13077), (110, 13161), (120, 13197), (123, 13209), (130, 13236), (186, 13494), (204, 13599),

Gene: Mundrea_15 Start: 11442, Stop: 12374, Start Num: 5
Candidate Starts for Mundrea_15:
(Start: 5 @11442 has 499 MA's), (29, 11502), (46, 11598), (47, 11613), (61, 11670), (64, 11694), (84, 11790), (92, 11820), (101, 11874), (144, 12018), (152, 12060), (186, 12222), (194, 12273), (201, 12309), (208, 12342),

Gene: MunkgeeRoachy_9 Start: 5428, Stop: 6399, Start Num: 9
Candidate Starts for MunkgeeRoachy_9:
(Start: 9 @5428 has 33 MA's), (13, 5443), (26, 5479), (49, 5608), (89, 5794), (96, 5830), (119, 5932), (154, 6085), (168, 6151), (201, 6307), (209, 6352),

Gene: Museum_17 Start: 11649, Stop: 12650, Start Num: 5
Candidate Starts for Museum_17:
(Start: 5 @11649 has 499 MA's), (54, 11859), (76, 11979), (80, 12000), (94, 12075), (108, 12135), (132, 12237), (152, 12321), (178, 12441), (186, 12498), (194, 12540), (195, 12546),

Gene: MyraDee_13 Start: 9598, Stop: 10551, Start Num: 15
Candidate Starts for MyraDee_13:
(Start: 15 @9598 has 49 MA's), (46, 9727), (79, 9886), (84, 9919), (95, 9970), (120, 10075), (152, 10210), (179, 10330), (186, 10384), (194, 10435), (196, 10456),

Gene: Myxus_17 Start: 12848, Stop: 13807, Start Num: 5
Candidate Starts for Myxus_17:
(Start: 5 @12848 has 499 MA's), (29, 12908), (45, 12998), (46, 13004), (57, 13046), (61, 13076), (64, 13100), (75, 13145), (84, 13196), (87, 13208), (92, 13226), (120, 13349), (123, 13361), (179, 13592),

(194, 13697),

Gene: NEHalo_15 Start: 11157, Stop: 12161, Start Num: 5
Candidate Starts for NEHalo_15:
(Start: 5 @11157 has 499 MA's), (42, 11301), (51, 11352), (54, 11367), (76, 11487), (80, 11508), (94, 11583), (108, 11643), (132, 11745), (152, 11829), (178, 11949), (186, 12006), (194, 12045), (195, 12051),

Gene: NaSiaTalie_16 Start: 12210, Stop: 13166, Start Num: 5
Candidate Starts for NaSiaTalie_16:
(Start: 5 @12210 has 499 MA's), (29, 12270), (40, 12339), (46, 12366), (57, 12408), (61, 12438), (64, 12462), (75, 12507), (84, 12558), (87, 12570), (117, 12693), (123, 12720), (130, 12747), (141, 12792), (179, 12951), (180, 12969), (186, 13005), (194, 13056),

Gene: Naca_13 Start: 10712, Stop: 11653, Start Num: 15
Candidate Starts for Naca_13:
(Start: 15 @10712 has 49 MA's), (46, 10841), (61, 10913), (79, 11000), (84, 11033), (92, 11063), (123, 11174), (126, 11189), (152, 11297), (157, 11321), (169, 11381), (179, 11420), (181, 11441), (187, 11489), (196, 11546), (205, 11582), (209, 11606),

Gene: Naiad_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Naiad_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: Naira_16 Start: 12897, Stop: 13913, Start Num: 5
Candidate Starts for Naira_16:
(Start: 5 @12897 has 499 MA's), (51, 13092), (54, 13107), (57, 13122), (68, 13194), (76, 13227), (80, 13248), (94, 13323), (108, 13383), (152, 13569), (185, 13740), (186, 13746), (195, 13803),

Gene: Naji_19 Start: 12087, Stop: 13043, Start Num: 4
Candidate Starts for Naji_19:
(Start: 4 @12087 has 72 MA's), (29, 12147), (45, 12237), (46, 12243), (57, 12285), (61, 12315), (64, 12339), (75, 12384), (84, 12435), (87, 12447), (92, 12465), (95, 12486), (120, 12573), (123, 12585), (125, 12591), (130, 12612), (169, 12792), (179, 12816), (186, 12870), (213, 13017),

Gene: Nancinator_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Nancinator_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: Natosaleda_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Natosaleda_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: NearlyHeadless_13 Start: 10396, Stop: 11346, Start Num: 15
Candidate Starts for NearlyHeadless_13:
(Start: 15 @10396 has 49 MA's), (46, 10525), (57, 10567), (79, 10684), (84, 10717), (98, 10792), (125, 10876), (148, 10966), (152, 10993), (159, 11026), (169, 11077), (179, 11116), (191, 11209), (196, 11242), (205, 11278),

Gene: Nebs_15 Start: 11479, Stop: 12411, Start Num: 5

Candidate Starts for Nebs_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Nebulosus_18 Start: 11295, Stop: 12245, Start Num: 5
Candidate Starts for Nebulosus_18:
(Start: 5 @11295 has 499 MA's), (29, 11355), (46, 11451), (61, 11523), (64, 11547), (75, 11592), (84, 11643), (92, 11673), (181, 12051), (201, 12171), (209, 12216),

Gene: Nedarya_17 Start: 11873, Stop: 12826, Start Num: 5
Candidate Starts for Nedarya_17:
(Start: 5 @11873 has 499 MA's), (29, 11933), (46, 12029), (61, 12101), (64, 12125), (75, 12170), (84, 12221), (92, 12251), (179, 12608), (181, 12629), (208, 12782),

Gene: Neeharika16_19 Start: 12230, Stop: 13201, Start Num: 4
Candidate Starts for Neeharika16_19:
(Start: 4 @12230 has 72 MA's), (29, 12290), (46, 12386), (57, 12428), (61, 12458), (64, 12482), (75, 12527), (84, 12578), (87, 12590), (92, 12608), (120, 12713), (162, 12899), (209, 13172),

Gene: Nemo27_15 Start: 11478, Stop: 12410, Start Num: 5
Candidate Starts for Nemo27_15:
(Start: 5 @11478 has 499 MA's), (29, 11538), (46, 11634), (61, 11706), (64, 11730), (84, 11826), (101, 11910), (144, 12054), (152, 12096), (186, 12258), (189, 12291), (194, 12309), (201, 12345), (208, 12378),

Gene: Nerujay_16 Start: 12052, Stop: 13062, Start Num: 5
Candidate Starts for Nerujay_16:
(Start: 5 @12052 has 499 MA's), (42, 12196), (51, 12247), (54, 12262), (76, 12382), (80, 12403), (94, 12478), (108, 12538), (119, 12589), (127, 12622), (132, 12640), (152, 12724), (185, 12895), (186, 12901), (195, 12955),

Gene: Newrala_19 Start: 12230, Stop: 13201, Start Num: 4
Candidate Starts for Newrala_19:
(Start: 4 @12230 has 72 MA's), (29, 12290), (46, 12386), (57, 12428), (61, 12458), (64, 12482), (75, 12527), (84, 12578), (87, 12590), (92, 12608), (120, 12713), (162, 12899), (209, 13172),

Gene: Nhonho_15 Start: 11502, Stop: 12521, Start Num: 5
Candidate Starts for Nhonho_15:
(Start: 5 @11502 has 499 MA's), (51, 11697), (54, 11712), (76, 11832), (80, 11853), (94, 11928), (108, 11988), (152, 12174), (185, 12345), (186, 12351), (195, 12408), (202, 12444),

Gene: Nibbles_10 Start: 6293, Stop: 7219, Start Num: 19
Candidate Starts for Nibbles_10:
(Start: 19 @6293 has 9 MA's), (46, 6428), (68, 6539), (77, 6578), (83, 6608), (89, 6632), (96, 6668), (106, 6716), (113, 6743), (128, 6806), (129, 6809), (130, 6812), (154, 6923), (162, 6959), (166, 6977), (168, 6989), (183, 7058), (185, 7073), (200, 7142), (207, 7172),

Gene: NicoleTera_20 Start: 13919, Stop: 14875, Start Num: 5
Candidate Starts for NicoleTera_20:
(Start: 5 @13919 has 499 MA's), (29, 13979), (46, 14075), (57, 14117), (61, 14147), (64, 14171), (75, 14216), (84, 14267), (123, 14429), (130, 14456), (141, 14501), (179, 14660), (180, 14678), (186, 14714), (194, 14765),

Gene: Nina_9 Start: 6414, Stop: 7385, Start Num: 9
Candidate Starts for Nina_9:
(Start: 9 @6414 has 33 MA's), (13, 6429), (26, 6465), (49, 6594), (89, 6780), (96, 6816), (114, 6894), (119, 6918), (154, 7071), (168, 7137), (201, 7293), (209, 7338),

Gene: Niza_17 Start: 12668, Stop: 13666, Start Num: 5
Candidate Starts for Niza_17:
(Start: 5 @12668 has 499 MA's), (42, 12812), (51, 12863), (54, 12878), (76, 12998), (80, 13019), (94, 13094), (108, 13154), (132, 13256), (152, 13340), (178, 13460), (186, 13517), (194, 13556), (195, 13562),

Gene: Nodigi_10 Start: 6436, Stop: 7365, Start Num: 18
Candidate Starts for Nodigi_10:
(Start: 18 @6436 has 6 MA's), (33, 6502), (42, 6553), (49, 6589), (53, 6598), (77, 6721), (79, 6730), (80, 6736), (89, 6775), (106, 6859), (123, 6928), (154, 7066), (162, 7102), (163, 7105), (201, 7288), (209, 7333), (210, 7336),

Gene: Noella_16 Start: 11634, Stop: 12626, Start Num: 7
Candidate Starts for Noella_16:
(Start: 7 @11634 has 112 MA's), (46, 11775), (79, 11934), (84, 11967), (128, 12159), (139, 12207), (148, 12234), (152, 12261), (168, 12342), (173, 12357), (179, 12381), (186, 12435), (192, 12480), (193, 12486), (196, 12519), (205, 12555), (214, 12597),

Gene: Noelle_15 Start: 11545, Stop: 12477, Start Num: 5
Candidate Starts for Noelle_15:
(Start: 5 @11545 has 499 MA's), (29, 11605), (46, 11701), (47, 11716), (61, 11773), (64, 11797), (84, 11893), (92, 11923), (101, 11977), (144, 12121), (152, 12163), (186, 12325), (194, 12376), (208, 12445),

Gene: Norbert_15 Start: 11634, Stop: 12626, Start Num: 7
Candidate Starts for Norbert_15:
(Start: 7 @11634 has 112 MA's), (46, 11775), (79, 11934), (84, 11967), (128, 12159), (139, 12207), (148, 12234), (152, 12261), (168, 12342), (173, 12357), (179, 12381), (186, 12435), (192, 12480), (193, 12486), (196, 12519), (205, 12555), (214, 12597),

Gene: NorthStar_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for NorthStar_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Norz_17 Start: 12304, Stop: 13302, Start Num: 5
Candidate Starts for Norz_17:
(Start: 5 @12304 has 499 MA's), (42, 12448), (51, 12499), (54, 12514), (76, 12634), (80, 12655), (94, 12730), (108, 12790), (132, 12892), (152, 12976), (178, 13096), (186, 13153), (194, 13192), (195, 13198),

Gene: NotAPhaseMom_15 Start: 11483, Stop: 12415, Start Num: 5
Candidate Starts for NotAPhaseMom_15:
(Start: 5 @11483 has 499 MA's), (29, 11543), (46, 11639), (61, 11711), (64, 11735), (84, 11831), (101, 11915), (144, 12059), (152, 12101), (186, 12263), (189, 12296), (194, 12314), (201, 12350), (208, 12383),

Gene: NothingSpecial_18 Start: 14179, Stop: 15132, Start Num: 5
Candidate Starts for NothingSpecial_18:
(Start: 5 @14179 has 499 MA's), (29, 14239), (40, 14308), (46, 14335), (57, 14377), (61, 14407), (64, 14431), (75, 14476), (84, 14527), (92, 14557), (130, 14716), (141, 14761), (180, 14938), (186, 14974),

Gene: Nyxis_15 Start: 11425, Stop: 12357, Start Num: 5
Candidate Starts for Nyxis_15:
(Start: 5 @11425 has 499 MA's), (29, 11485), (46, 11581), (61, 11653), (64, 11677), (84, 11773), (101, 11857), (144, 12001), (152, 12043), (181, 12172), (186, 12205), (189, 12238), (194, 12256), (201, 12292), (208, 12325),

Gene: ODay_7 Start: 4919, Stop: 5860, Start Num: 25
Candidate Starts for ODay_7:
(Start: 25 @4919 has 101 MA's), (52, 5054), (66, 5135), (71, 5156), (86, 5231), (114, 5357), (160, 5558), (164, 5576), (171, 5609), (182, 5693), (210, 5831),

Gene: OKCentral2016_15 Start: 10955, Stop: 11890, Start Num: 5
Candidate Starts for OKCentral2016_15:
(Start: 5 @10955 has 499 MA's), (29, 11015), (46, 11111), (47, 11126), (57, 11153), (61, 11183), (64, 11207), (65, 11213), (75, 11252), (84, 11303), (92, 11333), (116, 11426), (139, 11513), (152, 11567), (156, 11588), (181, 11696), (186, 11729), (194, 11780), (201, 11816),

Gene: OKaNui_15 Start: 11245, Stop: 12177, Start Num: 5
Candidate Starts for OKaNui_15:
(Start: 5 @11245 has 499 MA's), (29, 11305), (46, 11401), (47, 11416), (61, 11473), (64, 11497), (84, 11593), (92, 11623), (101, 11677), (144, 11821), (152, 11863), (186, 12025), (189, 12058), (194, 12076), (201, 12112), (208, 12145),

Gene: Obama12_15 Start: 11459, Stop: 12391, Start Num: 5
Candidate Starts for Obama12_15:
(Start: 5 @11459 has 499 MA's), (29, 11519), (46, 11615), (47, 11630), (61, 11687), (64, 11711), (84, 11807), (92, 11837), (101, 11891), (144, 12035), (152, 12077), (186, 12239), (189, 12272), (194, 12290), (201, 12326), (208, 12359),

Gene: OctaviousRex_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for OctaviousRex_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Odin_15 Start: 10976, Stop: 11932, Start Num: 5
Candidate Starts for Odin_15:
(Start: 5 @10976 has 499 MA's), (29, 11036), (45, 11126), (46, 11132), (57, 11174), (61, 11204), (64, 11228), (75, 11273), (84, 11324), (87, 11336), (92, 11354), (130, 11513), (141, 11558), (159, 11642), (179, 11717),

Gene: Ogopogo_8 Start: 5135, Stop: 6073, Start Num: 25
Candidate Starts for Ogopogo_8:
(Start: 25 @5135 has 101 MA's), (28, 5144), (34, 5180), (52, 5270), (66, 5351), (71, 5372), (86, 5447), (113, 5570), (160, 5774), (164, 5792), (171, 5825), (182, 5909), (203, 6008), (210, 6047),

Gene: Ohfah_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Ohfah_15:

(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (130, 12001), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Ohno789_15 Start: 11447, Stop: 12454, Start Num: 5
Candidate Starts for Ohno789_15:
(Start: 5 @11447 has 499 MA's), (54, 11657), (76, 11777), (80, 11798), (94, 11873), (120, 11987), (127, 12017), (132, 12035), (152, 12119), (186, 12296), (195, 12344),

Gene: OlanP_17 Start: 11790, Stop: 12788, Start Num: 7
Candidate Starts for OlanP_17:
(Start: 7 @11790 has 112 MA's), (46, 11931), (70, 12051), (79, 12090), (84, 12123), (130, 12321), (148, 12390), (152, 12417), (168, 12498), (186, 12591), (192, 12636), (193, 12642), (196, 12675), (205, 12711), (209, 12735),

Gene: Olga_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Olga_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Ollie_17 Start: 11410, Stop: 12402, Start Num: 7
Candidate Starts for Ollie_17:
(Start: 7 @11410 has 112 MA's), (46, 11551), (70, 11671), (79, 11710), (84, 11743), (108, 11854), (130, 11941), (152, 12037), (168, 12118), (176, 12145), (179, 12157), (186, 12211), (192, 12256), (193, 12262), (196, 12295), (205, 12331), (209, 12355),

Gene: Oofda_19 Start: 11266, Stop: 12216, Start Num: 5
Candidate Starts for Oofda_19:
(Start: 5 @11266 has 499 MA's), (29, 11326), (46, 11422), (61, 11494), (64, 11518), (75, 11563), (84, 11614), (92, 11644), (181, 12022), (201, 12142), (209, 12187),

Gene: Oogway_14 Start: 11576, Stop: 12577, Start Num: 5
Candidate Starts for Oogway_14:
(Start: 5 @11576 has 499 MA's), (42, 11720), (51, 11771), (54, 11786), (76, 11906), (80, 11927), (94, 12002), (108, 12062), (127, 12146), (132, 12164), (152, 12248), (178, 12368), (186, 12425), (194, 12464), (195, 12470),

Gene: Orange_16 Start: 12699, Stop: 13688, Start Num: 4
Candidate Starts for Orange_16:
(Start: 4 @12699 has 72 MA's), (29, 12759), (33, 12789), (45, 12849), (46, 12855), (57, 12897), (61, 12927), (64, 12951), (75, 12996), (84, 13047), (87, 13059), (92, 13077), (110, 13161), (120, 13197), (123, 13209), (130, 13236), (186, 13494), (204, 13599),

Gene: Orla_10 Start: 6434, Stop: 7372, Start Num: 14
Candidate Starts for Orla_10:
(Start: 14 @6434 has 2 MA's), (Start: 19 @6440 has 9 MA's), (33, 6506), (49, 6593), (53, 6602), (77, 6725), (79, 6734), (80, 6740), (89, 6779), (96, 6815), (106, 6863), (114, 6893), (154, 7070), (162, 7106), (163, 7109), (201, 7292), (209, 7337),

Gene: Ouroboros_6 Start: 4645, Stop: 5592, Start Num: 24
Candidate Starts for Ouroboros_6:
(Start: 23 @4642 has 3 MA's), (Start: 24 @4645 has 40 MA's), (33, 4693), (35, 4705), (39, 4732), (53, 4789), (72, 4891), (76, 4906), (79, 4921), (83, 4951), (108, 5065), (131, 5158), (136, 5182), (147,

5218), (151, 5254), (156, 5281), (161, 5299), (170, 5341), (195, 5464), (198, 5485), (203, 5503), (204, 5512), (211, 5545),

Gene: P1.1_6 Start: 4645, Stop: 5592, Start Num: 24
Candidate Starts for P1.1_6:
(Start: 23 @4642 has 3 MA's), (Start: 24 @4645 has 40 MA's), (33, 4693), (40, 4735), (53, 4789), (72, 4891), (79, 4921), (84, 4954), (105, 5059), (131, 5158), (136, 5182), (147, 5218), (151, 5254), (156, 5281), (170, 5341), (198, 5485), (203, 5503), (204, 5512), (211, 5545),

Gene: P100.1_6 Start: 4638, Stop: 5582, Start Num: 24
Candidate Starts for P100.1_6:
(Start: 24 @4638 has 40 MA's), (33, 4686), (40, 4728), (72, 4884), (79, 4914), (84, 4947), (90, 4971), (94, 4995), (108, 5058), (131, 5151), (136, 5175), (147, 5211), (151, 5247), (156, 5274), (170, 5334), (195, 5457), (198, 5478), (203, 5496), (210, 5535), (211, 5538),

Gene: P100A_6 Start: 4656, Stop: 5603, Start Num: 24
Candidate Starts for P100A_6:
(Start: 24 @4656 has 40 MA's), (33, 4704), (39, 4743), (63, 4863), (72, 4902), (79, 4932), (83, 4962), (94, 5013), (108, 5076), (131, 5169), (150, 5250), (151, 5265), (170, 5352), (198, 5496), (203, 5514), (204, 5523), (211, 5556),

Gene: P100D_6 Start: 4639, Stop: 5586, Start Num: 24
Candidate Starts for P100D_6:
(Start: 23 @4636 has 3 MA's), (Start: 24 @4639 has 40 MA's), (33, 4687), (40, 4729), (42, 4738), (53, 4783), (72, 4885), (79, 4915), (84, 4948), (94, 4996), (105, 5053), (131, 5152), (136, 5176), (147, 5212), (151, 5248), (156, 5275), (170, 5335), (179, 5365), (198, 5479), (203, 5497), (204, 5506), (211, 5539),

Gene: P101A_6 Start: 4638, Stop: 5585, Start Num: 24
Candidate Starts for P101A_6:
(Start: 23 @4635 has 3 MA's), (Start: 24 @4638 has 40 MA's), (33, 4686), (40, 4728), (72, 4884), (79, 4914), (84, 4947), (90, 4971), (94, 4995), (108, 5058), (131, 5151), (136, 5175), (147, 5211), (151, 5247), (156, 5274), (170, 5334), (195, 5457), (198, 5478), (203, 5496), (211, 5538),

Gene: P104A_6 Start: 4636, Stop: 5583, Start Num: 24
Candidate Starts for P104A_6:
(Start: 24 @4636 has 40 MA's), (33, 4684), (40, 4726), (48, 4768), (53, 4780), (72, 4882), (79, 4912), (83, 4942), (94, 4993), (131, 5149), (136, 5173), (147, 5209), (151, 5245), (156, 5272), (170, 5332), (179, 5362), (195, 5455), (198, 5476), (204, 5503), (211, 5536),

Gene: P104B_6 Start: 4637, Stop: 5587, Start Num: 23
Candidate Starts for P104B_6:
(Start: 23 @4637 has 3 MA's), (Start: 24 @4640 has 40 MA's), (33, 4688), (40, 4730), (53, 4784), (72, 4886), (79, 4916), (83, 4946), (94, 4997), (105, 5054), (131, 5153), (136, 5177), (147, 5213), (151, 5249), (156, 5276), (161, 5294), (170, 5336), (198, 5480), (203, 5498), (204, 5507), (211, 5540),

Gene: P105_6 Start: 4630, Stop: 5577, Start Num: 24
Candidate Starts for P105_6:
(Start: 23 @4627 has 3 MA's), (Start: 24 @4630 has 40 MA's), (33, 4678), (40, 4720), (48, 4762), (53, 4774), (72, 4876), (79, 4906), (84, 4939), (94, 4987), (108, 5050), (131, 5143), (136, 5167), (147, 5203), (151, 5239), (156, 5266), (170, 5326), (179, 5356), (198, 5470), (204, 5497), (211, 5530),

Gene: P106A_6 Start: 4638, Stop: 5609, Start Num: 24

Candidate Starts for P106A_6:
(Start: 23 @4635 has 3 MA's), (Start: 24 @4638 has 40 MA's), (33, 4686), (40, 4728), (53, 4782), (72, 4884), (79, 4914), (84, 4947), (90, 4971), (94, 4995), (108, 5058), (131, 5151), (136, 5175), (147, 5211), (151, 5247), (156, 5274), (170, 5334), (195, 5457), (198, 5478), (203, 5496), (211, 5538),

Gene: P106C_6 Start: 4638, Stop: 5609, Start Num: 24
Candidate Starts for P106C_6:
(Start: 23 @4635 has 3 MA's), (Start: 24 @4638 has 40 MA's), (33, 4686), (40, 4728), (53, 4782), (72, 4884), (79, 4914), (84, 4947), (90, 4971), (94, 4995), (108, 5058), (131, 5151), (136, 5175), (147, 5211), (151, 5247), (156, 5274), (170, 5334), (195, 5457), (198, 5478), (203, 5496), (211, 5538),

Gene: P106I_6 Start: 4638, Stop: 5609, Start Num: 24
Candidate Starts for P106I_6:
(Start: 23 @4635 has 3 MA's), (Start: 24 @4638 has 40 MA's), (33, 4686), (40, 4728), (53, 4782), (72, 4884), (79, 4914), (84, 4947), (90, 4971), (94, 4995), (108, 5058), (131, 5151), (136, 5175), (147, 5211), (151, 5247), (156, 5274), (170, 5334), (195, 5457), (198, 5478), (203, 5496), (211, 5538),

Gene: P106L_6 Start: 4638, Stop: 5609, Start Num: 24
Candidate Starts for P106L_6:
(Start: 23 @4635 has 3 MA's), (Start: 24 @4638 has 40 MA's), (33, 4686), (40, 4728), (53, 4782), (72, 4884), (79, 4914), (84, 4947), (90, 4971), (94, 4995), (108, 5058), (131, 5151), (136, 5175), (147, 5211), (151, 5247), (156, 5274), (170, 5334), (195, 5457), (198, 5478), (203, 5496), (211, 5538),

Gene: P106M_6 Start: 4638, Stop: 5609, Start Num: 24
Candidate Starts for P106M_6:
(Start: 23 @4635 has 3 MA's), (Start: 24 @4638 has 40 MA's), (33, 4686), (40, 4728), (53, 4782), (72, 4884), (79, 4914), (84, 4947), (90, 4971), (94, 4995), (108, 5058), (131, 5151), (136, 5175), (147, 5211), (151, 5247), (156, 5274), (170, 5334), (195, 5457), (198, 5478), (203, 5496), (211, 5538),

Gene: P107A_6 Start: 4648, Stop: 5595, Start Num: 24
Candidate Starts for P107A_6:
(Start: 24 @4648 has 40 MA's), (33, 4696), (39, 4735), (48, 4780), (56, 4804), (63, 4855), (72, 4894), (79, 4924), (83, 4954), (94, 5005), (108, 5068), (131, 5161), (136, 5185), (151, 5257), (170, 5344), (176, 5362), (195, 5467), (198, 5488), (204, 5515),

Gene: P107C_6 Start: 4644, Stop: 5591, Start Num: 24
Candidate Starts for P107C_6:
(Start: 24 @4644 has 40 MA's), (33, 4692), (40, 4734), (48, 4776), (53, 4788), (71, 4887), (72, 4890), (79, 4920), (83, 4950), (131, 5157), (136, 5181), (147, 5217), (151, 5253), (156, 5280), (161, 5298), (170, 5340), (198, 5484), (204, 5511), (211, 5544),

Gene: P108C_6 Start: 4648, Stop: 5595, Start Num: 24
Candidate Starts for P108C_6:
(Start: 24 @4648 has 40 MA's), (33, 4696), (35, 4708), (39, 4735), (53, 4792), (63, 4855), (72, 4894), (79, 4924), (83, 4954), (94, 5005), (108, 5068), (131, 5161), (136, 5185), (147, 5221), (151, 5257), (161, 5302), (170, 5344), (176, 5362), (198, 5488), (203, 5506), (204, 5515), (211, 5548),

Gene: P14.4_6 Start: 4638, Stop: 5585, Start Num: 24
Candidate Starts for P14.4_6:
(Start: 23 @4635 has 3 MA's), (Start: 24 @4638 has 40 MA's), (33, 4686), (40, 4728), (53, 4782), (72, 4884), (79, 4914), (84, 4947), (94, 4995), (108, 5058), (131, 5151), (136, 5175), (147, 5211), (151, 5247), (156, 5274), (161, 5292), (170, 5334), (179, 5364), (198, 5478), (203, 5496), (204, 5505), (211, 5538),

Gene: P28Green_17 Start: 11538, Stop: 12530, Start Num: 7
Candidate Starts for P28Green_17:
(Start: 7 @11538 has 112 MA's), (46, 11679), (70, 11799), (79, 11838), (84, 11871), (108, 11982), (130, 12069), (152, 12165), (168, 12246), (176, 12273), (179, 12285), (186, 12339), (192, 12384), (193, 12390), (196, 12423), (205, 12459), (209, 12483),

Gene: P3MA_7 Start: 5392, Stop: 6300, Start Num: 25
Candidate Starts for P3MA_7:
(Start: 25 @5392 has 101 MA's), (30, 5419), (36, 5446), (46, 5500), (59, 5557), (66, 5605), (73, 5632), (74, 5638), (94, 5737), (103, 5785), (114, 5827), (161, 6025), (164, 6037), (215, 6289),

Gene: P9.1_6 Start: 4630, Stop: 5580, Start Num: 23
Candidate Starts for P9.1_6:
(Start: 23 @4630 has 3 MA's), (Start: 24 @4633 has 40 MA's), (33, 4681), (40, 4723), (53, 4777), (72, 4879), (79, 4909), (84, 4942), (94, 4990), (105, 5047), (131, 5146), (136, 5170), (147, 5206), (151, 5242), (156, 5269), (161, 5287), (170, 5329), (198, 5473), (203, 5491), (204, 5500), (211, 5533),

Gene: PA6_6 Start: 4645, Stop: 5592, Start Num: 24
Candidate Starts for PA6_6:
(Start: 23 @4642 has 3 MA's), (Start: 24 @4645 has 40 MA's), (33, 4693), (40, 4735), (48, 4777), (53, 4789), (72, 4891), (79, 4921), (83, 4951), (94, 5002), (105, 5059), (131, 5158), (136, 5182), (147, 5218), (151, 5254), (156, 5281), (170, 5341), (195, 5464), (198, 5485), (211, 5545),

Gene: PAD20_6 Start: 4645, Stop: 5592, Start Num: 24
Candidate Starts for PAD20_6:
(Start: 23 @4642 has 3 MA's), (Start: 24 @4645 has 40 MA's), (33, 4693), (40, 4735), (53, 4789), (72, 4891), (79, 4921), (84, 4954), (94, 5002), (105, 5059), (131, 5158), (136, 5182), (147, 5218), (151, 5254), (156, 5281), (161, 5299), (170, 5341), (198, 5485), (203, 5503), (204, 5512), (211, 5545),

Gene: PAS50_6 Start: 4642, Stop: 5589, Start Num: 24
Candidate Starts for PAS50_6:
(Start: 23 @4639 has 3 MA's), (Start: 24 @4642 has 40 MA's), (33, 4690), (40, 4732), (53, 4786), (72, 4888), (79, 4918), (84, 4951), (94, 4999), (105, 5056), (131, 5155), (136, 5179), (147, 5215), (151, 5251), (156, 5278), (170, 5338), (179, 5368), (198, 5482), (203, 5500), (204, 5509), (211, 5542),

Gene: PGHhamlin_19 Start: 11531, Stop: 12523, Start Num: 7
Candidate Starts for PGHhamlin_19:
(Start: 7 @11531 has 112 MA's), (46, 11672), (70, 11792), (79, 11831), (84, 11864), (108, 11975), (130, 12062), (152, 12158), (168, 12239), (176, 12266), (179, 12278), (186, 12332), (192, 12377), (193, 12383), (196, 12416), (205, 12452), (209, 12476),

Gene: PHL010M04_06 Start: 4637, Stop: 5584, Start Num: 24
Candidate Starts for PHL010M04_06:
(Start: 24 @4637 has 40 MA's), (33, 4685), (35, 4697), (40, 4727), (48, 4769), (53, 4781), (72, 4883), (79, 4913), (83, 4943), (94, 4994), (108, 5057), (131, 5150), (147, 5210), (151, 5246), (170, 5333), (198, 5477), (203, 5495), (204, 5504), (211, 5537),

Gene: PHL037M02_06 Start: 4636, Stop: 5586, Start Num: 23
Candidate Starts for PHL037M02_06:
(Start: 23 @4636 has 3 MA's), (Start: 24 @4639 has 40 MA's), (33, 4687), (40, 4729), (48, 4771), (53, 4783), (72, 4885), (79, 4915), (84, 4948), (105, 5053), (131, 5152), (147, 5212), (151, 5248), (156, 5275), (170, 5335), (176, 5353), (198, 5479), (204, 5506), (211, 5539),

Gene: PHL060L00_06 Start: 4633, Stop: 5580, Start Num: 24
Candidate Starts for PHL060L00_06:
(Start: 24 @4633 has 40 MA's), (33, 4681), (40, 4723), (53, 4777), (72, 4879), (79, 4909), (83, 4939), (94, 4990), (108, 5053), (131, 5146), (136, 5170), (147, 5206), (151, 5242), (156, 5269), (170, 5329), (198, 5473), (204, 5500), (211, 5533),

Gene: PHL067M10_06 Start: 4632, Stop: 5582, Start Num: 23
Candidate Starts for PHL067M10_06:
(Start: 23 @4632 has 3 MA's), (Start: 24 @4635 has 40 MA's), (33, 4683), (40, 4725), (53, 4779), (72, 4881), (79, 4911), (84, 4944), (94, 4992), (108, 5055), (131, 5148), (136, 5172), (147, 5208), (151, 5244), (156, 5271), (170, 5331), (198, 5475), (204, 5502), (211, 5535),

Gene: PHL071N05_06 Start: 4640, Stop: 5587, Start Num: 24
Candidate Starts for PHL071N05_06:
(Start: 24 @4640 has 40 MA's), (33, 4688), (40, 4730), (48, 4772), (53, 4784), (72, 4886), (79, 4916), (84, 4949), (131, 5153), (136, 5177), (143, 5201), (147, 5213), (151, 5249), (156, 5276), (170, 5336), (176, 5354), (198, 5480), (203, 5498), (204, 5507), (211, 5540),

Gene: PHL111M01_06 Start: 4642, Stop: 5592, Start Num: 23
Candidate Starts for PHL111M01_06:
(Start: 23 @4642 has 3 MA's), (Start: 24 @4645 has 40 MA's), (33, 4693), (40, 4735), (53, 4789), (72, 4891), (79, 4921), (84, 4954), (94, 5002), (131, 5158), (136, 5182), (147, 5218), (151, 5254), (156, 5281), (161, 5299), (170, 5341), (198, 5485), (203, 5503), (204, 5512), (211, 5545),

Gene: PHL112N00_06 Start: 4642, Stop: 5592, Start Num: 23
Candidate Starts for PHL112N00_06:
(Start: 23 @4642 has 3 MA's), (Start: 24 @4645 has 40 MA's), (33, 4693), (40, 4735), (48, 4777), (53, 4789), (72, 4891), (79, 4921), (83, 4951), (108, 5065), (131, 5158), (136, 5182), (147, 5218), (151, 5254), (156, 5281), (170, 5341), (198, 5485), (203, 5503), (204, 5512), (211, 5545),

Gene: PHL113M01_06 Start: 4642, Stop: 5592, Start Num: 23
Candidate Starts for PHL113M01_06:
(Start: 23 @4642 has 3 MA's), (Start: 24 @4645 has 40 MA's), (33, 4693), (40, 4735), (53, 4789), (72, 4891), (79, 4921), (83, 4951), (94, 5002), (108, 5065), (131, 5158), (136, 5182), (147, 5218), (151, 5254), (156, 5281), (170, 5341), (198, 5485), (203, 5503), (204, 5512), (211, 5545),

Gene: PHL114L00_06 Start: 4641, Stop: 5591, Start Num: 23
Candidate Starts for PHL114L00_06:
(Start: 23 @4641 has 3 MA's), (Start: 24 @4644 has 40 MA's), (33, 4692), (40, 4734), (48, 4776), (53, 4788), (72, 4890), (79, 4920), (83, 4950), (84, 4953), (128, 5139), (131, 5157), (136, 5181), (147, 5217), (151, 5253), (170, 5340), (198, 5484), (204, 5511), (211, 5544),

Gene: PP_25 Start: 17295, Stop: 18293, Start Num: 7
Candidate Starts for PP_25:
(Start: 7 @17295 has 112 MA's), (46, 17436), (62, 17517), (73, 17568), (79, 17595), (84, 17628), (130, 17826), (139, 17868), (159, 17955), (179, 18042), (180, 18060), (196, 18180), (197, 18183), (206, 18219),

Gene: PSullivan_17 Start: 12065, Stop: 13072, Start Num: 5
Candidate Starts for PSullivan_17:
(Start: 5 @12065 has 499 MA's), (54, 12275), (76, 12395), (80, 12416), (94, 12491), (111, 12572), (127, 12635), (132, 12653), (152, 12737), (186, 12914), (195, 12962),

Gene: Pace1224_7 Start: 7210, Stop: 8112, Start Num: 25
Candidate Starts for Pace1224_7:
(Start: 25 @7210 has 101 MA's), (35, 7267), (36, 7270), (38, 7282), (40, 7297), (59, 7381), (66, 7429), (74, 7462), (102, 7606), (115, 7657), (124, 7684), (130, 7708), (155, 7828), (164, 7864), (179, 7924), (207, 8071),

Gene: PacerPaul_15 Start: 11832, Stop: 12842, Start Num: 5
Candidate Starts for PacerPaul_15:
(Start: 5 @11832 has 499 MA's), (42, 11976), (51, 12027), (54, 12042), (76, 12162), (80, 12183), (94, 12258), (108, 12318), (127, 12402), (132, 12420), (152, 12504), (185, 12675), (186, 12681), (190, 12714), (195, 12735), (212, 12819),

Gene: PackMan_17 Start: 12848, Stop: 13807, Start Num: 5
Candidate Starts for PackMan_17:
(Start: 5 @12848 has 499 MA's), (29, 12908), (45, 12998), (46, 13004), (57, 13046), (61, 13076), (64, 13100), (75, 13145), (84, 13196), (87, 13208), (92, 13226), (120, 13349), (123, 13361), (179, 13592), (194, 13697),

Gene: PainterBoy_17 Start: 12342, Stop: 13298, Start Num: 5
Candidate Starts for PainterBoy_17:
(Start: 5 @12342 has 499 MA's), (29, 12402), (45, 12492), (46, 12498), (57, 12540), (61, 12570), (64, 12594), (75, 12639), (84, 12690), (92, 12720), (101, 12774), (120, 12840), (204, 13242),

Gene: Paito_7 Start: 7162, Stop: 8097, Start Num: 25
Candidate Starts for Paito_7:
(Start: 25 @7162 has 101 MA's), (35, 7219), (36, 7222), (38, 7234), (66, 7381), (74, 7414), (78, 7432), (83, 7465), (88, 7483), (115, 7609), (164, 7825), (166, 7837), (179, 7906),

Gene: Palestino_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Palestino_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Panamaxus_16 Start: 11634, Stop: 12626, Start Num: 7
Candidate Starts for Panamaxus_16:
(Start: 7 @11634 has 112 MA's), (46, 11775), (79, 11934), (84, 11967), (128, 12159), (139, 12207), (148, 12234), (152, 12261), (168, 12342), (173, 12357), (179, 12381), (186, 12435), (192, 12480), (193, 12486), (196, 12519), (205, 12555), (214, 12597),

Gene: Papez_17 Start: 13029, Stop: 14048, Start Num: 5
Candidate Starts for Papez_17:
(Start: 5 @13029 has 499 MA's), (51, 13224), (54, 13239), (76, 13359), (80, 13380), (94, 13455), (108, 13515), (152, 13701), (185, 13872), (186, 13878), (195, 13935), (202, 13971),

Gene: Paphu_14 Start: 11021, Stop: 12022, Start Num: 5
Candidate Starts for Paphu_14:
(Start: 5 @11021 has 499 MA's), (42, 11165), (51, 11216), (54, 11231), (76, 11351), (80, 11372), (94, 11447), (108, 11507), (132, 11609), (152, 11693), (178, 11813), (186, 11870), (194, 11909), (195, 11915), (205, 11966),

Gene: Paraselene_14 Start: 11334, Stop: 12338, Start Num: 5

Candidate Starts for Paraselene_14:
(Start: 5 @11334 has 499 MA's), (27, 11391), (42, 11478), (44, 11487), (51, 11529), (54, 11544), (76, 11664), (80, 11685), (94, 11760), (108, 11820), (132, 11922), (152, 12006), (158, 12036), (178, 12126), (185, 12177), (186, 12183), (195, 12231),

Gene: Pari_16 Start: 11800, Stop: 12813, Start Num: 5
Candidate Starts for Pari_16:
(Start: 5 @11800 has 499 MA's), (54, 12010), (76, 12130), (80, 12151), (94, 12226), (111, 12307), (127, 12370), (132, 12388), (152, 12472), (185, 12643), (186, 12649), (195, 12706), (202, 12742), (212, 12790),

Gene: Parliament_14 Start: 11404, Stop: 12420, Start Num: 5
Candidate Starts for Parliament_14:
(Start: 5 @11404 has 499 MA's), (51, 11599), (54, 11614), (57, 11629), (68, 11701), (76, 11734), (80, 11755), (94, 11830), (108, 11890), (152, 12076), (185, 12247), (186, 12253), (195, 12310), (202, 12346),

Gene: Partridge_12 Start: 7760, Stop: 8662, Start Num: 16
Candidate Starts for Partridge_12:
(Start: 16 @7760 has 36 MA's), (46, 7889), (65, 7991), (76, 8033), (79, 8048), (84, 8081), (148, 8336), (159, 8396), (165, 8429),

Gene: PascalRango_14 Start: 11262, Stop: 12266, Start Num: 5
Candidate Starts for PascalRango_14:
(Start: 5 @11262 has 499 MA's), (42, 11406), (51, 11457), (54, 11472), (76, 11592), (80, 11613), (94, 11688), (108, 11748), (119, 11799), (120, 11802), (127, 11832), (132, 11850), (152, 11934), (178, 12054), (186, 12111), (195, 12159),

Gene: PattyP_17 Start: 11858, Stop: 12859, Start Num: 5
Candidate Starts for PattyP_17:
(Start: 5 @11858 has 499 MA's), (54, 12068), (76, 12188), (80, 12209), (94, 12284), (108, 12344), (132, 12446), (152, 12530), (178, 12650), (186, 12707), (194, 12749), (195, 12755),

Gene: Pawn_18 Start: 11610, Stop: 12608, Start Num: 7
Candidate Starts for Pawn_18:
(Start: 7 @11610 has 112 MA's), (46, 11751), (70, 11871), (79, 11910), (84, 11943), (130, 12141), (148, 12210), (152, 12237), (168, 12318), (186, 12411), (192, 12456), (193, 12462), (196, 12495), (205, 12531), (209, 12555),

Gene: Payneful_14 Start: 11148, Stop: 12152, Start Num: 5
Candidate Starts for Payneful_14:
(Start: 5 @11148 has 499 MA's), (42, 11292), (44, 11301), (51, 11343), (54, 11358), (76, 11478), (80, 11499), (94, 11574), (108, 11634), (132, 11736), (152, 11820), (158, 11850), (178, 11940), (185, 11991), (186, 11997), (195, 12045),

Gene: PeaceMeal1_14 Start: 9363, Stop: 10295, Start Num: 5
Candidate Starts for PeaceMeal1_14:
(Start: 5 @9363 has 499 MA's), (29, 9423), (42, 9501), (46, 9519), (47, 9534), (57, 9561), (61, 9591), (64, 9615), (75, 9660), (84, 9711), (125, 9861), (128, 9876), (139, 9924), (152, 9978), (194, 10191), (201, 10227), (204, 10245), (208, 10260),

Gene: Peaches_15 Start: 11481, Stop: 12413, Start Num: 5
Candidate Starts for Peaches_15:

(Start: 5 @11481 has 499 MA's), (29, 11541), (46, 11637), (47, 11652), (61, 11709), (64, 11733), (84, 11829), (92, 11859), (101, 11913), (144, 12057), (152, 12099), (186, 12261), (189, 12294), (194, 12312), (201, 12348), (208, 12381),

Gene: Peeb_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Peeb_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Pelly_16 Start: 12093, Stop: 13100, Start Num: 5
Candidate Starts for Pelly_16:
(Start: 5 @12093 has 499 MA's), (54, 12303), (76, 12423), (80, 12444), (94, 12519), (120, 12633), (127, 12663), (132, 12681), (152, 12765), (186, 12942), (195, 12990),

Gene: Pembroke_17 Start: 11540, Stop: 12532, Start Num: 7
Candidate Starts for Pembroke_17:
(Start: 7 @11540 has 112 MA's), (46, 11681), (70, 11801), (79, 11840), (84, 11873), (108, 11984), (130, 12071), (152, 12167), (168, 12248), (176, 12275), (179, 12287), (186, 12341), (192, 12386), (193, 12392), (196, 12425), (205, 12461), (209, 12485),

Gene: Penny1_17 Start: 11539, Stop: 12531, Start Num: 7
Candidate Starts for Penny1_17:
(Start: 7 @11539 has 112 MA's), (46, 11680), (70, 11800), (79, 11839), (84, 11872), (108, 11983), (130, 12070), (152, 12166), (168, 12247), (176, 12274), (179, 12286), (186, 12340), (192, 12385), (193, 12391), (196, 12424), (205, 12460), (209, 12484),

Gene: Pepe_16 Start: 12056, Stop: 13063, Start Num: 5
Candidate Starts for Pepe_16:
(Start: 5 @12056 has 499 MA's), (54, 12266), (76, 12386), (80, 12407), (94, 12482), (111, 12563), (127, 12626), (132, 12644), (152, 12728), (186, 12905), (195, 12953),

Gene: Periodt_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Periodt_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Periwinkle_7 Start: 4897, Stop: 5835, Start Num: 25
Candidate Starts for Periwinkle_7:
(Start: 25 @4897 has 101 MA's), (33, 4939), (34, 4942), (52, 5032), (71, 5134), (85, 5206), (86, 5209), (129, 5398), (164, 5551), (166, 5563), (176, 5626), (184, 5680), (207, 5785), (210, 5806),

Gene: Perplexer_15 Start: 11485, Stop: 12417, Start Num: 5
Candidate Starts for Perplexer_15:
(Start: 5 @11485 has 499 MA's), (29, 11545), (46, 11641), (47, 11656), (61, 11713), (64, 11737), (84, 11833), (101, 11917), (144, 12061), (152, 12103), (186, 12265), (189, 12298), (201, 12352), (208, 12385),

Gene: Perseus_16 Start: 11716, Stop: 12714, Start Num: 5
Candidate Starts for Perseus_16:
(Start: 5 @11716 has 499 MA's), (42, 11860), (51, 11911), (54, 11926), (76, 12046), (80, 12067), (94, 12142), (108, 12202), (132, 12304), (152, 12388), (178, 12508), (186, 12565), (194, 12604), (195, 12610),

Gene: PeterPeter_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for PeterPeter_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Petersenfast_15 Start: 12702, Stop: 13691, Start Num: 4
Candidate Starts for Petersenfast_15:
(Start: 4 @12702 has 72 MA's), (29, 12762), (33, 12792), (45, 12852), (46, 12858), (57, 12900), (61, 12930), (64, 12954), (75, 12999), (84, 13050), (87, 13062), (92, 13080), (110, 13164), (120, 13200), (123, 13212), (130, 13239), (186, 13497), (204, 13602),

Gene: Peterson_18 Start: 13017, Stop: 14030, Start Num: 5
Candidate Starts for Peterson_18:
(Start: 5 @13017 has 499 MA's), (42, 13161), (51, 13212), (54, 13227), (76, 13347), (80, 13368), (94, 13443), (108, 13503), (132, 13605), (152, 13689), (178, 13809), (185, 13860), (186, 13866), (190, 13899), (195, 13920),

Gene: PetiteSangsue_15 Start: 11491, Stop: 12423, Start Num: 5
Candidate Starts for PetiteSangsue_15:
(Start: 5 @11491 has 499 MA's), (29, 11551), (46, 11647), (47, 11662), (61, 11719), (64, 11743), (84, 11839), (101, 11923), (144, 12067), (152, 12109), (186, 12271), (189, 12304), (201, 12358), (208, 12391),

Gene: Petp2012_17 Start: 12533, Stop: 13534, Start Num: 5
Candidate Starts for Petp2012_17:
(Start: 5 @12533 has 499 MA's), (54, 12743), (76, 12863), (80, 12884), (94, 12959), (108, 13019), (119, 13070), (120, 13073), (127, 13103), (132, 13121), (152, 13205), (186, 13382), (194, 13421), (195, 13427),

Gene: Petruchio_15 Start: 11274, Stop: 12281, Start Num: 5
Candidate Starts for Petruchio_15:
(Start: 5 @11274 has 499 MA's), (42, 11418), (51, 11469), (54, 11484), (76, 11604), (80, 11625), (94, 11700), (108, 11760), (127, 11844), (132, 11862), (152, 11946), (186, 12123), (194, 12162), (195, 12168),

Gene: PetterN_14 Start: 10599, Stop: 11540, Start Num: 15
Candidate Starts for PetterN_14:
(Start: 15 @10599 has 49 MA's), (46, 10728), (61, 10800), (79, 10887), (84, 10920), (92, 10950), (123, 11061), (126, 11076), (152, 11184), (157, 11208), (169, 11268), (179, 11307), (181, 11328), (187, 11376), (196, 11433), (205, 11469), (209, 11493),

Gene: Ph8s_17 Start: 10936, Stop: 11892, Start Num: 5
Candidate Starts for Ph8s_17:
(Start: 5 @10936 has 499 MA's), (29, 10996), (45, 11086), (46, 11092), (57, 11134), (61, 11164), (64, 11188), (75, 11233), (84, 11284), (87, 11296), (92, 11314), (115, 11419), (130, 11473), (141, 11518), (157, 11593), (159, 11602), (179, 11677),

Gene: Phabuloso_7 Start: 4901, Stop: 5842, Start Num: 25
Candidate Starts for Phabuloso_7:
(Start: 25 @4901 has 101 MA's), (52, 5036), (66, 5117), (71, 5138), (86, 5213), (114, 5339), (160, 5540), (164, 5558), (171, 5591), (182, 5675), (210, 5813),

Gene: Phacado_15 Start: 11478, Stop: 12410, Start Num: 5
Candidate Starts for Phacado_15:
(Start: 5 @11478 has 499 MA's), (29, 11538), (46, 11634), (61, 11706), (64, 11730), (84, 11826), (101, 11910), (144, 12054), (152, 12096), (186, 12258), (189, 12291), (194, 12309), (201, 12345), (208, 12378),

Gene: Phaded_19 Start: 14250, Stop: 15206, Start Num: 5
Candidate Starts for Phaded_19:
(Start: 5 @14250 has 499 MA's), (29, 14310), (40, 14379), (46, 14406), (57, 14448), (61, 14478), (64, 14502), (75, 14547), (84, 14598), (92, 14628), (123, 14760), (137, 14817), (179, 14991), (186, 15045),

Gene: Phaeder_17 Start: 12848, Stop: 13807, Start Num: 5
Candidate Starts for Phaeder_17:
(Start: 5 @12848 has 499 MA's), (29, 12908), (45, 12998), (46, 13004), (57, 13046), (61, 13076), (64, 13100), (75, 13145), (84, 13196), (87, 13208), (92, 13226), (120, 13349), (123, 13361), (179, 13592), (194, 13697),

Gene: PhailMary_11 Start: 7767, Stop: 8669, Start Num: 16
Candidate Starts for PhailMary_11:
(Start: 16 @7767 has 36 MA's), (46, 7896), (65, 7998), (76, 8040), (79, 8055), (84, 8088), (148, 8343), (159, 8403), (165, 8436),

Gene: Phantastic_15 Start: 11066, Stop: 12037, Start Num: 7
Candidate Starts for Phantastic_15:
(Start: 7 @11066 has 112 MA's), (13, 11075), (46, 11207), (70, 11327), (79, 11366), (84, 11399), (99, 11480), (139, 11636), (152, 11690), (168, 11771), (177, 11801), (179, 11810), (186, 11864), (192, 11909), (193, 11915), (196, 11948), (205, 11984),

Gene: Pharaoh_16 Start: 12627, Stop: 13589, Start Num: 5
Candidate Starts for Pharaoh_16:
(Start: 5 @12627 has 499 MA's), (29, 12687), (45, 12777), (46, 12783), (57, 12825), (61, 12855), (64, 12879), (75, 12924), (84, 12975), (92, 13005), (120, 13131), (123, 13143), (179, 13374), (194, 13479),

Gene: Phelipe_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Phelipe_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: PherrisBueller_16 Start: 11485, Stop: 12486, Start Num: 5
Candidate Starts for PherrisBueller_16:
(Start: 5 @11485 has 499 MA's), (42, 11629), (51, 11680), (54, 11695), (76, 11815), (80, 11836), (94, 11911), (108, 11971), (132, 12073), (152, 12157), (178, 12277), (186, 12334), (194, 12373), (195, 12379), (205, 12430),

Gene: Phighter1804_15 Start: 11457, Stop: 12389, Start Num: 5
Candidate Starts for Phighter1804_15:
(Start: 5 @11457 has 499 MA's), (29, 11517), (46, 11613), (47, 11628), (61, 11685), (64, 11709), (84, 11805), (92, 11835), (101, 11889), (152, 12075), (186, 12237), (189, 12270), (194, 12288), (201, 12324), (208, 12357),

Gene: Phillis_13 Start: 10354, Stop: 11304, Start Num: 15
Candidate Starts for Phillis_13:

(Start: 15 @10354 has 49 MA's), (46, 10483), (57, 10525), (79, 10642), (84, 10675), (98, 10750), (125, 10834), (148, 10924), (152, 10951), (159, 10984), (169, 11035), (179, 11074), (196, 11200), (205, 11236),

Gene: Phish_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Phish_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: PhishRPhriends_16 Start: 10801, Stop: 11793, Start Num: 7
Candidate Starts for PhishRPhriends_16:
(Start: 7 @10801 has 112 MA's), (46, 10942), (70, 11062), (79, 11101), (84, 11134), (130, 11332), (148, 11401), (152, 11428), (168, 11509), (186, 11602), (192, 11647), (193, 11653), (196, 11686), (205, 11722), (209, 11746),

Gene: Phistory_7 Start: 4886, Stop: 5824, Start Num: 25
Candidate Starts for Phistory_7:
(Start: 25 @4886 has 101 MA's), (33, 4928), (34, 4931), (52, 5021), (71, 5123), (78, 5153), (86, 5198), (129, 5387), (151, 5480), (166, 5552), (176, 5615), (207, 5774), (210, 5795),

Gene: Phlei_12 Start: 12721, Stop: 13926, Start Num: 11
Candidate Starts for Phlei_12:
(Start: 11 @12721 has 14 MA's), (29, 12769), (46, 12865), (47, 12880), (61, 12937), (64, 12961), (68, 12976), (84, 13057), (92, 13087), (152, 13339), (179, 13447), (209, 13633), (217, 13660), (220, 13765), (221, 13780), (223, 13813), (225, 13837),

Gene: Phlorence_13 Start: 10907, Stop: 11839, Start Num: 15
Candidate Starts for Phlorence_13:
(Start: 15 @10907 has 49 MA's), (46, 11036), (57, 11078), (61, 11108), (79, 11195), (84, 11228), (123, 11369), (152, 11492), (157, 11516), (169, 11576), (179, 11615), (181, 11636), (187, 11684), (196, 11741), (205, 11777), (209, 11801),

Gene: Phoebe_17 Start: 11537, Stop: 12529, Start Num: 7
Candidate Starts for Phoebe_17:
(Start: 7 @11537 has 112 MA's), (46, 11678), (70, 11798), (79, 11837), (84, 11870), (108, 11981), (130, 12068), (152, 12164), (168, 12245), (176, 12272), (179, 12284), (186, 12338), (192, 12383), (193, 12389), (196, 12422), (205, 12458), (209, 12482),

Gene: Phonnegut_17 Start: 12881, Stop: 13840, Start Num: 5
Candidate Starts for Phonnegut_17:
(Start: 5 @12881 has 499 MA's), (29, 12941), (45, 13031), (46, 13037), (57, 13079), (61, 13109), (64, 13133), (75, 13178), (84, 13229), (87, 13241), (92, 13259), (120, 13382), (123, 13394), (179, 13625), (194, 13730),

Gene: Phontbonne_15 Start: 11426, Stop: 12358, Start Num: 5
Candidate Starts for Phontbonne_15:
(Start: 5 @11426 has 499 MA's), (29, 11486), (46, 11582), (47, 11597), (61, 11654), (64, 11678), (84, 11774), (92, 11804), (101, 11858), (144, 12002), (152, 12044), (186, 12206), (189, 12239), (194, 12257), (201, 12293), (208, 12326),

Gene: PhorbesPhlower_6 Start: 4456, Stop: 5358, Start Num: 25
Candidate Starts for PhorbesPhlower_6:

(Start: 25 @4456 has 101 MA's), (35, 4513), (46, 4570), (66, 4675), (74, 4708), (114, 4897), (115, 4903), (155, 5074), (175, 5155), (207, 5314),

Gene: Phoxy_17 Start: 11623, Stop: 12615, Start Num: 7
Candidate Starts for Phoxy_17:
(Start: 7 @11623 has 112 MA's), (46, 11764), (70, 11884), (79, 11923), (84, 11956), (108, 12067), (130, 12154), (152, 12250), (168, 12331), (176, 12358), (179, 12370), (186, 12424), (192, 12469), (193, 12475), (196, 12508), (205, 12544), (209, 12568),

Gene: Phrankenstein_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Phrankenstein_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: Phranny_18 Start: 11608, Stop: 12600, Start Num: 7
Candidate Starts for Phranny_18:
(Start: 7 @11608 has 112 MA's), (46, 11749), (70, 11869), (79, 11908), (84, 11941), (130, 12139), (148, 12208), (152, 12235), (168, 12316), (186, 12409), (192, 12454), (193, 12460), (196, 12493), (205, 12529), (209, 12553),

Gene: Phreak_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Phreak_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: PhrostyMug_15 Start: 11630, Stop: 12628, Start Num: 5
Candidate Starts for PhrostyMug_15:
(Start: 5 @11630 has 499 MA's), (42, 11774), (51, 11825), (54, 11840), (76, 11960), (80, 11981), (94, 12056), (108, 12116), (132, 12218), (152, 12302), (178, 12422), (186, 12479), (194, 12518), (195, 12524),

Gene: PickleBack_13 Start: 10621, Stop: 11553, Start Num: 15
Candidate Starts for PickleBack_13:
(Start: 15 @10621 has 49 MA's), (46, 10750), (61, 10822), (79, 10909), (84, 10942), (123, 11083), (152, 11206), (157, 11230), (169, 11290), (179, 11329), (181, 11350), (187, 11398), (196, 11455), (205, 11491), (209, 11515),

Gene: PinkPlastic_14 Start: 11399, Stop: 12400, Start Num: 5
Candidate Starts for PinkPlastic_14:
(Start: 5 @11399 has 499 MA's), (42, 11543), (51, 11594), (54, 11609), (76, 11729), (80, 11750), (94, 11825), (108, 11885), (132, 11987), (152, 12071), (178, 12191), (186, 12248), (194, 12287), (195, 12293), (205, 12344),

Gene: PinkYoshi_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for PinkYoshi_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Pinnie_8 Start: 7661, Stop: 8563, Start Num: 25
Candidate Starts for Pinnie_8:
(Start: 25 @7661 has 101 MA's), (28, 7670), (36, 7718), (66, 7877), (69, 7886), (74, 7910), (83, 7961), (84, 7964), (129, 8150), (134, 8171), (157, 8273), (164, 8303), (182, 8402),

Gene: Pinto_17 Start: 11707, Stop: 12717, Start Num: 5
Candidate Starts for Pinto_17:
(Start: 5 @11707 has 499 MA's), (42, 11851), (51, 11902), (54, 11917), (76, 12037), (80, 12058), (94, 12133), (108, 12193), (119, 12244), (120, 12247), (127, 12277), (132, 12295), (152, 12379), (185, 12550), (186, 12556), (190, 12589), (195, 12610), (212, 12694),

Gene: Pioneer_17 Start: 12881, Stop: 13840, Start Num: 5
Candidate Starts for Pioneer_17:
(Start: 5 @12881 has 499 MA's), (29, 12941), (45, 13031), (46, 13037), (57, 13079), (61, 13109), (64, 13133), (75, 13178), (84, 13229), (87, 13241), (92, 13259), (120, 13382), (123, 13394), (179, 13625), (194, 13730),

Gene: Pipcraft_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Pipcraft_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Pippin_17 Start: 11968, Stop: 12978, Start Num: 5
Candidate Starts for Pippin_17:
(Start: 5 @11968 has 499 MA's), (42, 12112), (51, 12163), (54, 12178), (76, 12298), (80, 12319), (94, 12394), (108, 12454), (127, 12538), (132, 12556), (152, 12640), (185, 12811), (186, 12817), (195, 12871),

Gene: Pirate_6 Start: 4637, Stop: 5584, Start Num: 24
Candidate Starts for Pirate_6:
(Start: 24 @4637 has 40 MA's), (33, 4685), (39, 4724), (48, 4769), (63, 4844), (76, 4898), (79, 4913), (82, 4937), (83, 4943), (108, 5057), (114, 5084), (128, 5132), (131, 5150), (136, 5174), (147, 5210), (151, 5246), (156, 5273), (170, 5333), (198, 5477), (203, 5495), (204, 5504), (211, 5537),

Gene: Piro94_17 Start: 12671, Stop: 13627, Start Num: 5
Candidate Starts for Piro94_17:
(Start: 5 @12671 has 499 MA's), (12, 12686), (29, 12731), (46, 12827), (57, 12869), (61, 12899), (64, 12923), (75, 12968), (84, 13019), (92, 13049), (117, 13154), (123, 13181), (130, 13208), (141, 13253), (179, 13412), (180, 13430), (186, 13466), (194, 13517),

Gene: Pistachio_16 Start: 10650, Stop: 11624, Start Num: 7
Candidate Starts for Pistachio_16:
(Start: 7 @10650 has 112 MA's), (46, 10791), (70, 10911), (79, 10950), (84, 10983), (139, 11220), (148, 11247), (152, 11274), (169, 11358), (186, 11448), (192, 11493), (193, 11499), (196, 11532), (205, 11568),

Gene: Pita2_17 Start: 12065, Stop: 13072, Start Num: 5
Candidate Starts for Pita2_17:
(Start: 5 @12065 has 499 MA's), (54, 12275), (76, 12395), (80, 12416), (94, 12491), (111, 12572), (127, 12635), (132, 12653), (152, 12737), (186, 12914), (195, 12962),

Gene: Pitbull_6 Start: 4478, Stop: 5374, Start Num: 25
Candidate Starts for Pitbull_6:
(Start: 25 @4478 has 101 MA's), (46, 4589), (96, 4835), (105, 4880), (114, 4913), (122, 4943), (133, 4988), (164, 5126), (182, 5216), (197, 5294),

Gene: Plagueis_7 Start: 7103, Stop: 8038, Start Num: 25

Candidate Starts for Plagueis_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Pmask_19 Start: 12230, Stop: 13201, Start Num: 4
Candidate Starts for Pmask_19:
(Start: 4 @12230 has 72 MA's), (29, 12290), (46, 12386), (57, 12428), (61, 12458), (64, 12482), (75, 12527), (84, 12578), (87, 12590), (92, 12608), (120, 12713), (162, 12899), (209, 13172),

Gene: Pocahontas_16 Start: 11631, Stop: 12623, Start Num: 7
Candidate Starts for Pocahontas_16:
(Start: 7 @11631 has 112 MA's), (46, 11772), (79, 11931), (84, 11964), (128, 12156), (139, 12204), (148, 12231), (152, 12258), (168, 12339), (173, 12354), (179, 12378), (186, 12432), (192, 12477), (193, 12483), (196, 12516), (205, 12552), (214, 12594),

Gene: Polymorphads_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Polymorphads_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Pomar16_19 Start: 12128, Stop: 13084, Start Num: 4
Candidate Starts for Pomar16_19:
(Start: 4 @12128 has 72 MA's), (29, 12188), (45, 12278), (46, 12284), (57, 12326), (61, 12356), (64, 12380), (75, 12425), (84, 12476), (87, 12488), (92, 12506), (95, 12527), (120, 12614), (123, 12626), (125, 12632), (130, 12653), (169, 12833), (179, 12857), (186, 12911), (213, 13058),

Gene: Pons_8 Start: 5091, Stop: 6050, Start Num: 9
Candidate Starts for Pons_8:
(Start: 9 @5091 has 33 MA's), (26, 5142), (33, 5181), (67, 5358), (77, 5400), (79, 5409), (89, 5454), (106, 5538), (130, 5634), (142, 5691), (154, 5745), (162, 5781), (207, 5994), (209, 6012),

Gene: Poompha_14 Start: 9361, Stop: 10293, Start Num: 5
Candidate Starts for Poompha_14:
(Start: 5 @9361 has 499 MA's), (29, 9421), (42, 9499), (46, 9517), (47, 9532), (57, 9559), (61, 9589), (64, 9613), (75, 9658), (84, 9709), (125, 9859), (128, 9874), (139, 9922), (152, 9976), (194, 10189), (201, 10225), (204, 10243), (208, 10258),

Gene: Popcicle_16 Start: 11631, Stop: 12623, Start Num: 7
Candidate Starts for Popcicle_16:
(Start: 7 @11631 has 112 MA's), (46, 11772), (79, 11931), (84, 11964), (128, 12156), (139, 12204), (148, 12231), (152, 12258), (168, 12339), (173, 12354), (179, 12378), (186, 12432), (192, 12477), (193, 12483), (196, 12516), (205, 12552), (214, 12594),

Gene: PotPie_8 Start: 5954, Stop: 6913, Start Num: 9
Candidate Starts for PotPie_8:
(Start: 9 @5954 has 33 MA's), (26, 6005), (50, 6134), (67, 6221), (77, 6263), (79, 6272), (89, 6317), (106, 6401), (130, 6497), (142, 6554), (154, 6608), (162, 6644), (207, 6857), (209, 6875), (219, 6905),

Gene: PotatoSplit_18 Start: 11539, Stop: 12531, Start Num: 7
Candidate Starts for PotatoSplit_18:
(Start: 7 @11539 has 112 MA's), (46, 11680), (70, 11800), (79, 11839), (84, 11872), (108, 11983), (130, 12070), (152, 12166), (168, 12247), (176, 12274), (179, 12286), (186, 12340), (192, 12385),

(193, 12391), (196, 12424), (205, 12460), (209, 12484),

Gene: Power_16 Start: 12107, Stop: 13063, Start Num: 5
Candidate Starts for Power_16:
(Start: 5 @12107 has 499 MA's), (29, 12167), (40, 12236), (46, 12263), (57, 12305), (61, 12335), (75, 12404), (84, 12455), (92, 12485), (117, 12590), (130, 12644), (179, 12848), (180, 12866), (186, 12902), (194, 12953),

Gene: Priamo_19 Start: 12258, Stop: 13229, Start Num: 4
Candidate Starts for Priamo_19:
(Start: 4 @12258 has 72 MA's), (29, 12318), (46, 12414), (57, 12456), (61, 12486), (64, 12510), (75, 12555), (84, 12606), (87, 12618), (92, 12636), (120, 12741), (162, 12927), (209, 13200),

Gene: Priya_17 Start: 12879, Stop: 13838, Start Num: 5
Candidate Starts for Priya_17:
(Start: 5 @12879 has 499 MA's), (29, 12939), (45, 13029), (46, 13035), (57, 13077), (61, 13107), (64, 13131), (75, 13176), (84, 13227), (87, 13239), (92, 13257), (120, 13380), (123, 13392), (179, 13623), (194, 13728),

Gene: Procrass1_6 Start: 4640, Stop: 5587, Start Num: 24
Candidate Starts for Procrass1_6:
(Start: 23 @4637 has 3 MA's), (Start: 24 @4640 has 40 MA's), (33, 4688), (40, 4730), (53, 4784), (72, 4886), (79, 4916), (83, 4946), (128, 5135), (131, 5153), (136, 5177), (147, 5213), (151, 5249), (156, 5276), (161, 5294), (170, 5336), (179, 5366), (198, 5480), (203, 5498), (204, 5507), (211, 5540),

Gene: PsychoKiller_8 Start: 5380, Stop: 6351, Start Num: 9
Candidate Starts for PsychoKiller_8:
(Start: 9 @5380 has 33 MA's), (13, 5395), (26, 5431), (49, 5560), (89, 5746), (96, 5782), (114, 5860), (119, 5884), (154, 6037), (168, 6103), (201, 6259), (209, 6304),

Gene: Pukovnik_18 Start: 13817, Stop: 14773, Start Num: 5
Candidate Starts for Pukovnik_18:
(Start: 5 @13817 has 499 MA's), (29, 13877), (46, 13973), (57, 14015), (61, 14045), (64, 14069), (75, 14114), (84, 14165), (92, 14195), (117, 14300), (123, 14327), (130, 14354), (180, 14576), (186, 14612),

Gene: Pumbaa_15 Start: 11454, Stop: 12386, Start Num: 5
Candidate Starts for Pumbaa_15:
(Start: 5 @11454 has 499 MA's), (29, 11514), (46, 11610), (61, 11682), (64, 11706), (84, 11802), (92, 11832), (101, 11886), (144, 12030), (152, 12072), (186, 12234), (189, 12267), (194, 12285), (201, 12321), (208, 12354),

Gene: Puppy_16 Start: 10722, Stop: 11696, Start Num: 7
Candidate Starts for Puppy_16:
(Start: 7 @10722 has 112 MA's), (46, 10863), (70, 10983), (79, 11022), (84, 11055), (139, 11292), (148, 11319), (152, 11346), (169, 11430), (186, 11520), (192, 11565), (193, 11571), (196, 11604), (205, 11640),

Gene: PurpleHaze_17 Start: 11609, Stop: 12607, Start Num: 7
Candidate Starts for PurpleHaze_17:
(Start: 7 @11609 has 112 MA's), (46, 11750), (70, 11870), (79, 11909), (84, 11942), (130, 12140), (148, 12209), (152, 12236), (168, 12317), (186, 12410), (192, 12455), (193, 12461), (196, 12494), (205, 12530), (209, 12554),

Gene: QTRlifeCrisis_15 Start: 12033, Stop: 13043, Start Num: 5
Candidate Starts for QTRlifeCrisis_15:
(Start: 5 @12033 has 499 MA's), (42, 12177), (51, 12228), (54, 12243), (76, 12363), (80, 12384), (94, 12459), (108, 12519), (119, 12570), (127, 12603), (132, 12621), (152, 12705), (185, 12876), (186, 12882), (195, 12936), (212, 13020),

Gene: Qobbit_17 Start: 12878, Stop: 13837, Start Num: 5
Candidate Starts for Qobbit_17:
(Start: 5 @12878 has 499 MA's), (29, 12938), (45, 13028), (46, 13034), (57, 13076), (61, 13106), (64, 13130), (75, 13175), (84, 13226), (87, 13238), (92, 13256), (120, 13379), (123, 13391), (179, 13622), (194, 13727),

Gene: Quasar_8 Start: 6001, Stop: 6966, Start Num: 9
Candidate Starts for Quasar_8:
(Start: 9 @6001 has 33 MA's), (13, 6016), (26, 6052), (49, 6181), (89, 6367), (96, 6403), (119, 6505), (154, 6658), (168, 6724), (185, 6808), (201, 6880), (209, 6925),

Gene: QueenB2_16 Start: 12175, Stop: 13140, Start Num: 5
Candidate Starts for QueenB2_16:
(Start: 5 @12175 has 499 MA's), (29, 12235), (40, 12304), (46, 12331), (57, 12373), (61, 12403), (64, 12427), (75, 12472), (84, 12523), (110, 12637), (123, 12694), (130, 12721), (141, 12766), (179, 12925), (180, 12943), (186, 12979), (194, 13030),

Gene: QueenBeesly_16 Start: 12107, Stop: 13063, Start Num: 5
Candidate Starts for QueenBeesly_16:
(Start: 5 @12107 has 499 MA's), (29, 12167), (40, 12236), (46, 12263), (57, 12305), (61, 12335), (75, 12404), (84, 12455), (92, 12485), (117, 12590), (130, 12644), (179, 12848), (180, 12866), (186, 12902), (194, 12953),

Gene: QueenBey_6 Start: 4638, Stop: 5585, Start Num: 24
Candidate Starts for QueenBey_6:
(Start: 24 @4638 has 40 MA's), (33, 4686), (39, 4725), (48, 4770), (72, 4884), (76, 4899), (79, 4914), (83, 4944), (108, 5058), (131, 5151), (151, 5247), (170, 5334), (198, 5478), (204, 5505), (211, 5538),

Gene: QuinnKiro_15 Start: 11634, Stop: 12626, Start Num: 7
Candidate Starts for QuinnKiro_15:
(Start: 7 @11634 has 112 MA's), (46, 11775), (79, 11934), (84, 11967), (128, 12159), (139, 12207), (148, 12234), (152, 12261), (168, 12342), (173, 12357), (179, 12381), (186, 12435), (192, 12480), (193, 12486), (196, 12519), (205, 12555), (214, 12597),

Gene: RER2_5 Start: 4588, Stop: 5508, Start Num: 16
Candidate Starts for RER2_5:
(Start: 16 @4588 has 36 MA's), (46, 4717), (65, 4819), (76, 4861), (79, 4876), (84, 4909), (138, 5113), (159, 5209), (208, 5464),

Gene: RGL3_5 Start: 4576, Stop: 5496, Start Num: 16
Candidate Starts for RGL3_5:
(Start: 16 @4576 has 36 MA's), (46, 4705), (65, 4807), (76, 4849), (79, 4864), (84, 4897), (159, 5197), (165, 5230), (186, 5344), (209, 5464),

Gene: Rabbs_7 Start: 7099, Stop: 8034, Start Num: 25
Candidate Starts for Rabbs_7:

(Start: 25 @7099 has 101 MA's), (35, 7156), (38, 7171), (66, 7318), (74, 7351), (93, 7438), (166, 7774), (179, 7843),

Gene: Rachaly_19 Start: 13848, Stop: 14795, Start Num: 11
Candidate Starts for Rachaly_19:
(8, 13842), (Start: 11 @13848 has 14 MA's), (29, 13899), (37, 13947), (46, 13995), (47, 14010), (57, 14037), (61, 14067), (68, 14106), (84, 14187), (106, 14289), (129, 14373), (152, 14472), (157, 14496), (177, 14571), (179, 14580), (186, 14634),

Gene: Rahalelujah_15 Start: 10914, Stop: 11882, Start Num: 5
Candidate Starts for Rahalelujah_15:
(Start: 5 @10914 has 499 MA's), (29, 10974), (46, 11070), (61, 11142), (64, 11166), (75, 11211), (84, 11262), (92, 11292), (117, 11397), (125, 11430), (130, 11451), (199, 11802),

Gene: Rajelicia_15 Start: 11541, Stop: 12557, Start Num: 5
Candidate Starts for Rajelicia_15:
(Start: 5 @11541 has 499 MA's), (51, 11736), (54, 11751), (76, 11871), (80, 11892), (94, 11967), (108, 12027), (152, 12213), (185, 12384), (186, 12390), (195, 12447), (202, 12483),

Gene: Raqqa_7 Start: 5349, Stop: 6236, Start Num: 25
Candidate Starts for Raqqa_7:
(Start: 25 @5349 has 101 MA's), (40, 5436), (46, 5463), (59, 5520), (66, 5568), (73, 5595), (74, 5601), (78, 5619), (130, 5841), (153, 5943), (182, 6081),

Gene: Rasputin_12 Start: 7701, Stop: 8603, Start Num: 16
Candidate Starts for Rasputin_12:
(Start: 16 @7701 has 36 MA's), (46, 7830), (65, 7932), (76, 7974), (79, 7989), (84, 8022), (148, 8277), (159, 8337), (165, 8370),

Gene: ReMo_18 Start: 11295, Stop: 12245, Start Num: 5
Candidate Starts for ReMo_18:
(Start: 5 @11295 has 499 MA's), (29, 11355), (46, 11451), (61, 11523), (64, 11547), (75, 11592), (84, 11643), (92, 11673), (181, 12051), (201, 12171), (209, 12216),

Gene: Reba_18 Start: 11281, Stop: 12273, Start Num: 7
Candidate Starts for Reba_18:
(Start: 7 @11281 has 112 MA's), (46, 11422), (70, 11542), (79, 11581), (84, 11614), (130, 11812), (148, 11881), (152, 11908), (168, 11989), (186, 12082), (192, 12127), (193, 12133), (196, 12166), (205, 12202), (209, 12226),

Gene: Rebeuca_16 Start: 11434, Stop: 12372, Start Num: 5
Candidate Starts for Rebeuca_16:
(Start: 5 @11434 has 499 MA's), (29, 11494), (42, 11572), (46, 11590), (47, 11605), (57, 11632), (61, 11662), (64, 11686), (84, 11782), (87, 11794), (92, 11812), (108, 11887), (116, 11908), (152, 12049), (156, 12070), (181, 12178), (186, 12211), (194, 12262), (201, 12298),

Gene: RedBaron_9 Start: 5425, Stop: 6396, Start Num: 9
Candidate Starts for RedBaron_9:
(Start: 9 @5425 has 33 MA's), (13, 5440), (26, 5476), (49, 5605), (89, 5791), (96, 5827), (114, 5905), (119, 5929), (154, 6082), (168, 6148), (201, 6304), (209, 6349),

Gene: RedRock_19 Start: 14092, Stop: 15048, Start Num: 5
Candidate Starts for RedRock_19:

(Start: 5 @14092 has 499 MA's), (29, 14152), (40, 14221), (46, 14248), (57, 14290), (61, 14320), (64, 14344), (75, 14389), (84, 14440), (92, 14470), (96, 14500), (130, 14629), (141, 14674), (162, 14776), (180, 14851), (186, 14887), (194, 14938),

Gene: Refuge_19 Start: 14461, Stop: 15420, Start Num: 5
Candidate Starts for Refuge_19:
(Start: 5 @14461 has 499 MA's), (29, 14521), (40, 14590), (45, 14611), (46, 14617), (57, 14659), (61, 14689), (64, 14713), (75, 14758), (84, 14809), (92, 14839), (120, 14962), (123, 14974), (179, 15205), (194, 15310),

Gene: Relief_15 Start: 11480, Stop: 12412, Start Num: 5
Candidate Starts for Relief_15:
(Start: 5 @11480 has 499 MA's), (29, 11540), (46, 11636), (61, 11708), (64, 11732), (84, 11828), (101, 11912), (144, 12056), (152, 12098), (186, 12260), (189, 12293), (194, 12311), (201, 12347), (208, 12380),

Gene: Remus_18 Start: 11256, Stop: 12206, Start Num: 5
Candidate Starts for Remus_18:
(Start: 5 @11256 has 499 MA's), (29, 11316), (46, 11412), (61, 11484), (64, 11508), (75, 11553), (84, 11604), (92, 11634), (181, 12012), (201, 12132), (209, 12177),

Gene: Remy19_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Remy19_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Renaissance_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Renaissance_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: ResDef_16 Start: 11634, Stop: 12626, Start Num: 7
Candidate Starts for ResDef_16:
(Start: 7 @11634 has 112 MA's), (46, 11775), (79, 11934), (84, 11967), (128, 12159), (139, 12207), (148, 12234), (152, 12261), (168, 12342), (173, 12357), (179, 12381), (186, 12435), (192, 12480), (193, 12486), (196, 12519), (205, 12555), (214, 12597),

Gene: Retro23_16 Start: 12258, Stop: 13214, Start Num: 5
Candidate Starts for Retro23_16:
(Start: 5 @12258 has 499 MA's), (29, 12318), (40, 12387), (46, 12414), (57, 12456), (61, 12486), (64, 12510), (75, 12555), (84, 12606), (92, 12636), (117, 12741), (130, 12795), (179, 12999), (180, 13017), (186, 13053), (194, 13104),

Gene: RexFury_12 Start: 7747, Stop: 8667, Start Num: 16
Candidate Starts for RexFury_12:
(Start: 16 @7747 has 36 MA's), (46, 7876), (65, 7978), (76, 8020), (79, 8035), (84, 8068), (138, 8272), (159, 8368), (208, 8623),

Gene: Rhodalysa_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Rhodalysa_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: RhynO_16 Start: 11413, Stop: 12348, Start Num: 5
Candidate Starts for RhynO_16:
(Start: 5 @11413 has 499 MA's), (29, 11473), (42, 11551), (46, 11569), (47, 11584), (57, 11611), (61, 11641), (64, 11665), (84, 11761), (92, 11791), (116, 11884), (152, 12025), (156, 12046), (181, 12154), (186, 12187), (194, 12238), (201, 12274),

Gene: Rhynn_15 Start: 11635, Stop: 12642, Start Num: 5
Candidate Starts for Rhynn_15:
(Start: 5 @11635 has 499 MA's), (42, 11779), (44, 11788), (51, 11830), (54, 11845), (76, 11965), (80, 11986), (108, 12121), (132, 12223), (152, 12307), (158, 12337), (185, 12478), (186, 12484), (195, 12532),

Gene: RidgeCB_15 Start: 11162, Stop: 12181, Start Num: 5
Candidate Starts for RidgeCB_15:
(Start: 5 @11162 has 499 MA's), (51, 11357), (54, 11372), (76, 11492), (80, 11513), (94, 11588), (108, 11648), (152, 11834), (185, 12005), (186, 12011), (195, 12068), (202, 12104),

Gene: Rifter_19 Start: 12208, Stop: 13179, Start Num: 4
Candidate Starts for Rifter_19:
(Start: 4 @12208 has 72 MA's), (29, 12268), (46, 12364), (57, 12406), (61, 12436), (64, 12460), (75, 12505), (84, 12556), (87, 12568), (92, 12586), (120, 12691),

Gene: Rileysaurus_6 Start: 4632, Stop: 5579, Start Num: 24
Candidate Starts for Rileysaurus_6:
(Start: 23 @4629 has 3 MA's), (Start: 24 @4632 has 40 MA's), (33, 4680), (40, 4722), (53, 4776), (72, 4878), (79, 4908), (83, 4938), (94, 4989), (108, 5052), (131, 5145), (147, 5205), (151, 5241), (156, 5268), (161, 5286), (170, 5328), (198, 5472), (203, 5490), (204, 5499), (211, 5532),

Gene: Ringer_15 Start: 11892, Stop: 12902, Start Num: 5
Candidate Starts for Ringer_15:
(Start: 5 @11892 has 499 MA's), (42, 12036), (51, 12087), (54, 12102), (76, 12222), (80, 12243), (94, 12318), (108, 12378), (119, 12429), (127, 12462), (132, 12480), (152, 12564), (185, 12735), (186, 12741), (195, 12795),

Gene: Roary_13 Start: 10345, Stop: 11295, Start Num: 15
Candidate Starts for Roary_13:
(Start: 15 @10345 has 49 MA's), (46, 10474), (57, 10516), (79, 10633), (84, 10666), (98, 10741), (125, 10825), (148, 10915), (152, 10942), (159, 10975), (169, 11026), (179, 11065), (196, 11191), (205, 11227),

Gene: Rockstar_15 Start: 10980, Stop: 11978, Start Num: 7
Candidate Starts for Rockstar_15:
(Start: 7 @10980 has 112 MA's), (13, 10989), (46, 11121), (70, 11241), (79, 11280), (84, 11313), (108, 11424), (110, 11433), (139, 11550), (152, 11604), (168, 11685), (169, 11688), (186, 11778), (193, 11829), (196, 11862), (205, 11898),

Gene: Rohr_16 Start: 11840, Stop: 12841, Start Num: 5
Candidate Starts for Rohr_16:
(Start: 5 @11840 has 499 MA's), (54, 12050), (76, 12170), (80, 12191), (94, 12266), (108, 12326), (132, 12428), (152, 12512), (178, 12632), (186, 12689), (194, 12728), (195, 12734),

Gene: Roksolana_19 Start: 12235, Stop: 13206, Start Num: 4
Candidate Starts for Roksolana_19:

(Start: 4 @12235 has 72 MA's), (29, 12295), (46, 12391), (57, 12433), (61, 12463), (64, 12487), (75, 12532), (84, 12583), (87, 12595), (92, 12613), (120, 12718), (162, 12904), (209, 13177),

Gene: Romney_15 Start: 11478, Stop: 12410, Start Num: 5
Candidate Starts for Romney_15:
(Start: 5 @11478 has 499 MA's), (29, 11538), (46, 11634), (61, 11706), (64, 11730), (84, 11826), (101, 11910), (144, 12054), (152, 12096), (186, 12258), (189, 12291), (194, 12309), (201, 12345), (208, 12378),

Gene: Roosevelt_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Roosevelt_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Rosalind_18 Start: 11417, Stop: 12367, Start Num: 5
Candidate Starts for Rosalind_18:
(Start: 5 @11417 has 499 MA's), (29, 11477), (46, 11573), (61, 11645), (64, 11669), (75, 11714), (84, 11765), (92, 11795), (181, 12173), (201, 12293), (209, 12338),

Gene: Rubeus_16 Start: 11666, Stop: 12676, Start Num: 5
Candidate Starts for Rubeus_16:
(Start: 5 @11666 has 499 MA's), (42, 11810), (51, 11861), (54, 11876), (76, 11996), (80, 12017), (94, 12092), (108, 12152), (119, 12203), (127, 12236), (132, 12254), (152, 12338), (185, 12509), (186, 12515), (195, 12569),

Gene: Rufus_16 Start: 11723, Stop: 12727, Start Num: 5
Candidate Starts for Rufus_16:
(Start: 5 @11723 has 499 MA's), (54, 11933), (76, 12053), (80, 12074), (94, 12149), (108, 12209), (119, 12260), (120, 12263), (132, 12311), (152, 12395), (186, 12572), (194, 12611), (195, 12617),

Gene: Ruin_15 Start: 11478, Stop: 12410, Start Num: 5
Candidate Starts for Ruin_15:
(Start: 5 @11478 has 499 MA's), (29, 11538), (46, 11634), (61, 11706), (64, 11730), (84, 11826), (101, 11910), (144, 12054), (152, 12096), (186, 12258), (189, 12291), (194, 12309), (201, 12345), (208, 12378),

Gene: Rummer_17 Start: 11623, Stop: 12615, Start Num: 7
Candidate Starts for Rummer_17:
(Start: 7 @11623 has 112 MA's), (46, 11764), (70, 11884), (79, 11923), (84, 11956), (108, 12067), (130, 12154), (152, 12250), (168, 12331), (176, 12358), (179, 12370), (186, 12424), (192, 12469), (193, 12475), (196, 12508), (205, 12544), (209, 12568),

Gene: Ruotula_14 Start: 11843, Stop: 12847, Start Num: 5
Candidate Starts for Ruotula_14:
(Start: 5 @11843 has 499 MA's), (54, 12053), (76, 12173), (80, 12194), (94, 12269), (108, 12329), (119, 12380), (127, 12413), (132, 12431), (152, 12515), (186, 12692), (194, 12731), (195, 12737),

Gene: Rutherferd_17 Start: 12184, Stop: 13182, Start Num: 5
Candidate Starts for Rutherferd_17:
(Start: 5 @12184 has 499 MA's), (54, 12394), (76, 12514), (80, 12535), (94, 12610), (108, 12670), (132, 12772), (152, 12856), (178, 12976), (186, 13033), (194, 13072), (195, 13078),

Gene: SKKY_6 Start: 4645, Stop: 5616, Start Num: 24
Candidate Starts for SKKY_6:
(Start: 23 @4642 has 3 MA's), (Start: 24 @4645 has 40 MA's), (33, 4693), (40, 4735), (53, 4789), (72, 4891), (79, 4921), (83, 4951), (94, 5002), (108, 5065), (131, 5158), (136, 5182), (147, 5218), (151, 5254), (156, 5281), (161, 5299), (170, 5341), (198, 5485), (203, 5503), (204, 5512), (211, 5545),

Gene: STLscum_16 Start: 11754, Stop: 12770, Start Num: 5
Candidate Starts for STLscum_16:
(Start: 5 @11754 has 499 MA's), (51, 11949), (54, 11964), (76, 12084), (80, 12105), (94, 12180), (108, 12240), (152, 12426), (185, 12597), (186, 12603), (195, 12660), (202, 12696),

Gene: Sabertooth_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Sabertooth_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Sabia_17 Start: 11532, Stop: 12524, Start Num: 7
Candidate Starts for Sabia_17:
(Start: 7 @11532 has 112 MA's), (46, 11673), (70, 11793), (79, 11832), (84, 11865), (108, 11976), (130, 12063), (152, 12159), (168, 12240), (176, 12267), (179, 12279), (186, 12333), (192, 12378), (193, 12384), (196, 12417), (205, 12453), (209, 12477),

Gene: Sabinator_17 Start: 11537, Stop: 12529, Start Num: 7
Candidate Starts for Sabinator_17:
(Start: 7 @11537 has 112 MA's), (46, 11678), (70, 11798), (79, 11837), (84, 11870), (108, 11981), (130, 12068), (152, 12164), (168, 12245), (176, 12272), (179, 12284), (186, 12338), (192, 12383), (193, 12389), (196, 12422), (205, 12458), (209, 12482),

Gene: Sagefire_16 Start: 12435, Stop: 13442, Start Num: 5
Candidate Starts for Sagefire_16:
(Start: 5 @12435 has 499 MA's), (42, 12579), (51, 12630), (54, 12645), (76, 12765), (80, 12786), (94, 12861), (108, 12921), (119, 12972), (127, 13005), (132, 13023), (152, 13107), (185, 13278), (186, 13284), (195, 13338),

Gene: Saintus_13 Start: 10360, Stop: 11310, Start Num: 15
Candidate Starts for Saintus_13:
(Start: 15 @10360 has 49 MA's), (46, 10489), (57, 10531), (79, 10648), (84, 10681), (98, 10756), (125, 10840), (148, 10930), (152, 10957), (159, 10990), (169, 11041), (179, 11080), (196, 11206), (205, 11242),

Gene: Salz_16 Start: 12696, Stop: 13685, Start Num: 4
Candidate Starts for Salz_16:
(Start: 4 @12696 has 72 MA's), (29, 12756), (33, 12786), (45, 12846), (46, 12852), (57, 12894), (61, 12924), (64, 12948), (75, 12993), (84, 13044), (87, 13056), (92, 13074), (110, 13158), (120, 13194), (123, 13206), (130, 13233), (186, 13491), (204, 13596),

Gene: Sandaddy_14 Start: 11560, Stop: 12564, Start Num: 5
Candidate Starts for Sandaddy_14:
(Start: 5 @11560 has 499 MA's), (42, 11704), (44, 11713), (51, 11755), (54, 11770), (76, 11890), (80, 11911), (94, 11986), (108, 12046), (132, 12148), (152, 12232), (158, 12262), (178, 12352), (185, 12403), (186, 12409), (195, 12457),

Gene: Sanya_14 Start: 12221, Stop: 13219, Start Num: 5
Candidate Starts for Sanya_14:
(Start: 5 @12221 has 499 MA's), (42, 12365), (51, 12416), (54, 12431), (76, 12551), (80, 12572), (94, 12647), (108, 12707), (132, 12809), (152, 12893), (178, 13013), (186, 13070), (194, 13109), (195, 13115),

Gene: SarFire_15 Start: 11420, Stop: 12436, Start Num: 5
Candidate Starts for SarFire_15:
(Start: 5 @11420 has 499 MA's), (51, 11615), (54, 11630), (76, 11750), (80, 11771), (94, 11846), (108, 11906), (152, 12092), (185, 12263), (186, 12269), (195, 12326), (202, 12362),

Gene: SaturnRing_15 Start: 11103, Stop: 12077, Start Num: 7
Candidate Starts for SaturnRing_15:
(Start: 7 @11103 has 112 MA's), (46, 11244), (70, 11364), (79, 11403), (84, 11436), (139, 11673), (148, 11700), (152, 11727), (169, 11811), (186, 11901), (192, 11946), (193, 11952), (196, 11985), (205, 12021),

Gene: Scamp_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Scamp_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Scherzo_17 Start: 12881, Stop: 13840, Start Num: 5
Candidate Starts for Scherzo_17:
(Start: 5 @12881 has 499 MA's), (29, 12941), (45, 13031), (46, 13037), (57, 13079), (61, 13109), (64, 13133), (75, 13178), (84, 13229), (87, 13241), (92, 13259), (120, 13382), (123, 13394), (179, 13625), (194, 13730),

Gene: Schiebel_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Schiebel_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Scorpia_14 Start: 10600, Stop: 11541, Start Num: 15
Candidate Starts for Scorpia_14:
(Start: 15 @10600 has 49 MA's), (46, 10729), (61, 10801), (79, 10888), (84, 10921), (92, 10951), (123, 11062), (152, 11185), (157, 11209), (169, 11269), (179, 11308), (181, 11329), (187, 11377), (196, 11434), (205, 11470), (209, 11494),

Gene: Scout_15 Start: 10403, Stop: 11377, Start Num: 7
Candidate Starts for Scout_15:
(Start: 7 @10403 has 112 MA's), (13, 10412), (46, 10544), (70, 10664), (79, 10703), (84, 10736), (139, 10973), (148, 11000), (152, 11027), (169, 11111), (186, 11201), (192, 11246), (193, 11252), (196, 11285), (205, 11321),

Gene: Scowl_16 Start: 12111, Stop: 13115, Start Num: 5
Candidate Starts for Scowl_16:
(Start: 5 @12111 has 499 MA's), (42, 12255), (51, 12306), (54, 12321), (76, 12441), (80, 12462), (94, 12537), (108, 12597), (132, 12699), (152, 12783), (158, 12813), (178, 12903), (185, 12954), (186, 12960), (195, 13008),

Gene: Seabiscuit_17 Start: 11640, Stop: 12650, Start Num: 5

Candidate Starts for Seabiscuit_17:
(Start: 5 @11640 has 499 MA's), (42, 11784), (51, 11835), (54, 11850), (76, 11970), (80, 11991), (94, 12066), (108, 12126), (127, 12210), (132, 12228), (152, 12312), (185, 12483), (186, 12489), (195, 12543),

Gene: Seanderson_16 Start: 12084, Stop: 13085, Start Num: 5
Candidate Starts for Seanderson_16:
(Start: 5 @12084 has 499 MA's), (42, 12228), (51, 12279), (54, 12294), (76, 12414), (80, 12435), (94, 12510), (108, 12570), (127, 12654), (132, 12672), (152, 12756), (186, 12933), (194, 12972), (195, 12978), (212, 13062),

Gene: SemperFi_18 Start: 12535, Stop: 13491, Start Num: 5
Candidate Starts for SemperFi_18:
(Start: 5 @12535 has 499 MA's), (29, 12595), (37, 12643), (46, 12691), (57, 12733), (61, 12763), (64, 12787), (75, 12832), (84, 12883), (92, 12913), (117, 13018), (123, 13045), (130, 13072), (179, 13276), (180, 13294), (186, 13330), (194, 13381),

Gene: Serenity_15 Start: 11078, Stop: 12034, Start Num: 5
Candidate Starts for Serenity_15:
(Start: 5 @11078 has 499 MA's), (29, 11138), (40, 11207), (46, 11234), (57, 11276), (61, 11306), (64, 11330), (75, 11375), (84, 11426), (117, 11561), (123, 11588), (130, 11615), (141, 11660), (179, 11819), (180, 11837), (186, 11873), (194, 11924),

Gene: Severus_14 Start: 9361, Stop: 10293, Start Num: 5
Candidate Starts for Severus_14:
(Start: 5 @9361 has 499 MA's), (29, 9421), (42, 9499), (46, 9517), (47, 9532), (57, 9559), (61, 9589), (64, 9613), (75, 9658), (84, 9709), (125, 9859), (128, 9874), (139, 9922), (152, 9976), (194, 10189), (201, 10225), (204, 10243), (208, 10258),

Gene: ShaboiShabazz_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for ShaboiShabazz_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Shaka_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Shaka_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (92, 11857), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Sham4_16 Start: 12702, Stop: 13691, Start Num: 4
Candidate Starts for Sham4_16:
(Start: 4 @12702 has 72 MA's), (29, 12762), (33, 12792), (45, 12852), (46, 12858), (57, 12900), (61, 12930), (64, 12954), (75, 12999), (84, 13050), (87, 13062), (92, 13080), (110, 13164), (120, 13200), (123, 13212), (130, 13239), (186, 13497), (204, 13602),

Gene: ShayRa_19 Start: 11417, Stop: 12367, Start Num: 5
Candidate Starts for ShayRa_19:
(Start: 5 @11417 has 499 MA's), (29, 11477), (46, 11573), (61, 11645), (64, 11669), (75, 11714), (84, 11765), (92, 11795), (181, 12173), (201, 12293), (209, 12338),

Gene: SheaKeira_16 Start: 11082, Stop: 12050, Start Num: 5
Candidate Starts for SheaKeira_16:

(Start: 5 @11082 has 499 MA's), (29, 11142), (46, 11238), (57, 11280), (61, 11310), (64, 11334), (67, 11346), (75, 11379), (84, 11430), (92, 11460), (130, 11619), (152, 11715),

Gene: SheckWes_7 Start: 5091, Stop: 6050, Start Num: 9
Candidate Starts for SheckWes_7:
(Start: 9 @5091 has 33 MA's), (26, 5142), (33, 5181), (67, 5358), (77, 5400), (79, 5409), (89, 5454), (106, 5538), (130, 5634), (142, 5691), (154, 5745), (162, 5781), (207, 5994), (209, 6012),

Gene: Sheen_17 Start: 13160, Stop: 14149, Start Num: 6
Candidate Starts for Sheen_17:
(Start: 6 @13160 has 1 MA's), (40, 13277), (46, 13304), (70, 13424), (73, 13436), (79, 13463), (84, 13496), (115, 13634), (121, 13661), (130, 13691), (149, 13766), (168, 13868), (176, 13895), (179, 13907), (180, 13925), (194, 14027), (196, 14048),

Gene: SheldonCooper_15 Start: 11458, Stop: 12390, Start Num: 5
Candidate Starts for SheldonCooper_15:
(Start: 5 @11458 has 499 MA's), (29, 11518), (46, 11614), (47, 11629), (61, 11686), (64, 11710), (84, 11806), (92, 11836), (101, 11890), (144, 12034), (152, 12076), (186, 12238), (189, 12271), (194, 12289), (201, 12325), (208, 12358),

Gene: ShortQueendom_14 Start: 11226, Stop: 12242, Start Num: 5
Candidate Starts for ShortQueendom_14:
(Start: 5 @11226 has 499 MA's), (51, 11421), (54, 11436), (57, 11451), (68, 11523), (76, 11556), (80, 11577), (94, 11652), (108, 11712), (152, 11898), (185, 12069), (186, 12075), (195, 12132), (202, 12168),

Gene: Shuman_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Shuman_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: Shygu2_15 Start: 11486, Stop: 12418, Start Num: 5
Candidate Starts for Shygu2_15:
(Start: 5 @11486 has 499 MA's), (29, 11546), (46, 11642), (61, 11714), (64, 11738), (84, 11834), (101, 11918), (144, 12062), (152, 12104), (186, 12266), (189, 12299), (194, 12317), (201, 12353), (208, 12386),

Gene: Sibs6_17 Start: 11860, Stop: 12879, Start Num: 5
Candidate Starts for Sibs6_17:
(Start: 5 @11860 has 499 MA's), (54, 12070), (76, 12190), (80, 12211), (94, 12286), (108, 12346), (127, 12430), (132, 12448), (152, 12532), (158, 12562), (178, 12652), (186, 12709), (195, 12766), (202, 12802),

Gene: Sizemore_7 Start: 7104, Stop: 8039, Start Num: 25
Candidate Starts for Sizemore_7:
(Start: 25 @7104 has 101 MA's), (35, 7161), (36, 7164), (38, 7176), (59, 7275), (66, 7323), (74, 7356), (83, 7407), (102, 7500), (166, 7779), (173, 7818), (209, 8013),

Gene: SketchMex_7 Start: 5369, Stop: 6331, Start Num: 9
Candidate Starts for SketchMex_7:
(Start: 9 @5369 has 33 MA's), (13, 5384), (26, 5411), (49, 5537), (53, 5546), (66, 5624), (77, 5669), (79, 5678), (89, 5723), (96, 5759), (113, 5834), (154, 6014), (162, 6050), (163, 6053), (168, 6080), (201, 6236), (207, 6263), (209, 6281),

Gene: SkiPole_17 Start: 11733, Stop: 12731, Start Num: 5
Candidate Starts for SkiPole_17:
(Start: 5 @11733 has 499 MA's), (42, 11877), (54, 11943), (62, 12000), (76, 12063), (80, 12084), (94, 12159), (108, 12219), (132, 12321), (152, 12405), (178, 12525), (186, 12582), (194, 12621), (195, 12627),

Gene: Skipitt_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Skipitt_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Slagathor_16 Start: 11512, Stop: 12513, Start Num: 5
Candidate Starts for Slagathor_16:
(Start: 5 @11512 has 499 MA's), (54, 11722), (76, 11842), (80, 11863), (94, 11938), (108, 11998), (119, 12049), (120, 12052), (127, 12082), (132, 12100), (152, 12184), (186, 12361), (194, 12400), (195, 12406),

Gene: Smairt_16 Start: 12031, Stop: 13050, Start Num: 5
Candidate Starts for Smairt_16:
(Start: 5 @12031 has 499 MA's), (51, 12226), (54, 12241), (76, 12361), (80, 12382), (94, 12457), (108, 12517), (152, 12703), (185, 12874), (186, 12880), (195, 12937), (202, 12973),

Gene: Smeadley_13 Start: 10378, Stop: 11328, Start Num: 15
Candidate Starts for Smeadley_13:
(Start: 15 @10378 has 49 MA's), (46, 10507), (57, 10549), (79, 10666), (84, 10699), (98, 10774), (125, 10858), (148, 10948), (152, 10975), (159, 11008), (169, 11059), (179, 11098), (196, 11224), (205, 11260),

Gene: Smeagan_18 Start: 12620, Stop: 13576, Start Num: 5
Candidate Starts for Smeagan_18:
(Start: 5 @12620 has 499 MA's), (29, 12680), (37, 12728), (40, 12749), (46, 12776), (57, 12818), (61, 12848), (64, 12872), (84, 12968), (87, 12980), (117, 13103), (123, 13130), (130, 13157), (141, 13202), (179, 13361), (180, 13379), (186, 13415), (194, 13466),

Gene: Smeagol_16 Start: 12447, Stop: 13466, Start Num: 5
Candidate Starts for Smeagol_16:
(Start: 5 @12447 has 499 MA's), (42, 12591), (51, 12642), (54, 12657), (76, 12777), (80, 12798), (94, 12873), (108, 12933), (127, 13017), (132, 13035), (152, 13119), (185, 13290), (186, 13296), (195, 13353), (202, 13389),

Gene: SmellyB_19 Start: 12240, Stop: 13211, Start Num: 4
Candidate Starts for SmellyB_19:
(Start: 4 @12240 has 72 MA's), (29, 12300), (46, 12396), (57, 12438), (61, 12468), (64, 12492), (75, 12537), (84, 12588), (87, 12600), (92, 12618), (120, 12723), (162, 12909), (209, 13182),

Gene: SnapTap_16 Start: 12107, Stop: 13063, Start Num: 5
Candidate Starts for SnapTap_16:
(Start: 5 @12107 has 499 MA's), (29, 12167), (40, 12236), (46, 12263), (57, 12305), (61, 12335), (64, 12359), (75, 12404), (84, 12455), (92, 12485), (117, 12590), (130, 12644), (179, 12848), (180, 12866), (186, 12902), (194, 12953),

Gene: Snape_16 Start: 12702, Stop: 13691, Start Num: 4
Candidate Starts for Snape_16:
(Start: 4 @12702 has 72 MA's), (29, 12762), (33, 12792), (45, 12852), (46, 12858), (57, 12900), (61, 12930), (64, 12954), (75, 12999), (84, 13050), (87, 13062), (92, 13080), (110, 13164), (120, 13200), (123, 13212), (130, 13239), (186, 13497), (204, 13602),

Gene: Snazzy_13 Start: 11040, Stop: 12038, Start Num: 5
Candidate Starts for Snazzy_13:
(Start: 5 @11040 has 499 MA's), (42, 11184), (51, 11235), (54, 11250), (76, 11370), (80, 11391), (94, 11466), (108, 11526), (127, 11610), (132, 11628), (152, 11712), (186, 11889), (194, 11928), (195, 11934),

Gene: Sneeze_7 Start: 7098, Stop: 8033, Start Num: 25
Candidate Starts for Sneeze_7:
(Start: 25 @7098 has 101 MA's), (35, 7155), (38, 7170), (66, 7317), (74, 7350), (93, 7437), (166, 7773), (179, 7842),

Gene: Snickers_17 Start: 11513, Stop: 12505, Start Num: 7
Candidate Starts for Snickers_17:
(Start: 7 @11513 has 112 MA's), (46, 11654), (70, 11774), (79, 11813), (84, 11846), (108, 11957), (130, 12044), (152, 12140), (168, 12221), (176, 12248), (179, 12260), (186, 12314), (192, 12359), (193, 12365), (196, 12398), (205, 12434), (209, 12458),

Gene: SoYo_17 Start: 11450, Stop: 12442, Start Num: 7
Candidate Starts for SoYo_17:
(Start: 7 @11450 has 112 MA's), (46, 11591), (70, 11711), (79, 11750), (84, 11783), (108, 11894), (130, 11981), (152, 12077), (168, 12158), (176, 12185), (179, 12197), (186, 12251), (192, 12296), (193, 12302), (196, 12335), (205, 12371), (209, 12395),

Gene: SoilDragon_17 Start: 11224, Stop: 12216, Start Num: 7
Candidate Starts for SoilDragon_17:
(Start: 7 @11224 has 112 MA's), (46, 11365), (70, 11485), (79, 11524), (84, 11557), (108, 11668), (130, 11755), (152, 11851), (168, 11932), (176, 11959), (179, 11971), (186, 12025), (192, 12070), (193, 12076), (196, 12109), (205, 12145), (209, 12169),

Gene: Solid_6 Start: 4644, Stop: 5591, Start Num: 24
Candidate Starts for Solid_6:
(Start: 24 @4644 has 40 MA's), (33, 4692), (40, 4734), (53, 4788), (72, 4890), (79, 4920), (84, 4953), (108, 5064), (128, 5139), (131, 5157), (136, 5181), (147, 5217), (151, 5253), (156, 5280), (161, 5298), (170, 5340), (198, 5484), (203, 5502), (204, 5511), (211, 5544),

Gene: Solon_15 Start: 12191, Stop: 13189, Start Num: 5
Candidate Starts for Solon_15:
(Start: 5 @12191 has 499 MA's), (42, 12335), (51, 12386), (54, 12401), (76, 12521), (80, 12542), (94, 12617), (108, 12677), (132, 12779), (152, 12863), (178, 12983), (186, 13040), (194, 13079), (195, 13085),

Gene: Sopespian_8 Start: 5380, Stop: 6351, Start Num: 9
Candidate Starts for Sopespian_8:
(Start: 9 @5380 has 33 MA's), (13, 5395), (26, 5431), (49, 5560), (89, 5746), (96, 5782), (114, 5860), (119, 5884), (154, 6037), (168, 6103), (201, 6259), (209, 6304),

Gene: SororFago_15 Start: 11241, Stop: 12188, Start Num: 11

Candidate Starts for SororFago_15:
(Start: 11 @11241 has 14 MA's), (29, 11292), (46, 11388), (47, 11403), (57, 11430), (61, 11460), (68, 11499), (75, 11529), (84, 11580), (117, 11715), (179, 11973), (186, 12027), (194, 12078),

Gene: Sorpresa_14 Start: 11560, Stop: 12564, Start Num: 5
Candidate Starts for Sorpresa_14:
(Start: 5 @11560 has 499 MA's), (42, 11704), (44, 11713), (51, 11755), (54, 11770), (76, 11890), (80, 11911), (94, 11986), (108, 12046), (132, 12148), (152, 12232), (158, 12262), (178, 12352), (185, 12403), (186, 12409), (195, 12457),

Gene: Soshari_19 Start: 11622, Stop: 12614, Start Num: 7
Candidate Starts for Soshari_19:
(Start: 7 @11622 has 112 MA's), (46, 11763), (70, 11883), (79, 11922), (84, 11955), (108, 12066), (130, 12153), (152, 12249), (168, 12330), (176, 12357), (179, 12369), (186, 12423), (192, 12468), (193, 12474), (196, 12507), (205, 12543), (209, 12567),

Gene: Soul22_7 Start: 4877, Stop: 5812, Start Num: 25
Candidate Starts for Soul22_7:
(Start: 25 @4877 has 101 MA's), (34, 4922), (35, 4931), (43, 4976), (52, 5012), (71, 5114), (86, 5189), (126, 5369), (142, 5435), (164, 5531), (171, 5564), (172, 5582), (176, 5606), (182, 5648), (203, 5747), (207, 5765), (210, 5786),

Gene: Soups_18 Start: 11417, Stop: 12367, Start Num: 5
Candidate Starts for Soups_18:
(Start: 5 @11417 has 499 MA's), (29, 11477), (46, 11573), (61, 11645), (64, 11669), (75, 11714), (84, 11765), (92, 11795), (181, 12173), (201, 12293), (209, 12338),

Gene: Spartoi_6 Start: 4700, Stop: 5608, Start Num: 20
Candidate Starts for Spartoi_6:
(Start: 20 @4700 has 1 MA's), (40, 4799), (53, 4853), (64, 4922), (82, 5009), (108, 5129), (144, 5255), (145, 5258), (148, 5270), (199, 5540),

Gene: Sparxx_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Sparxx_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Spike509_17 Start: 11623, Stop: 12615, Start Num: 7
Candidate Starts for Spike509_17:
(Start: 7 @11623 has 112 MA's), (46, 11764), (70, 11884), (79, 11923), (84, 11956), (108, 12067), (130, 12154), (152, 12250), (168, 12331), (176, 12358), (179, 12370), (186, 12424), (192, 12469), (193, 12475), (196, 12508), (205, 12544), (209, 12568),

Gene: SpikeBT_17 Start: 12496, Stop: 13500, Start Num: 5
Candidate Starts for SpikeBT_17:
(Start: 5 @12496 has 499 MA's), (42, 12640), (44, 12649), (51, 12691), (54, 12706), (76, 12826), (80, 12847), (94, 12922), (108, 12982), (132, 13084), (152, 13168), (178, 13288), (185, 13339), (186, 13345), (195, 13393),

Gene: Spino_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Spino_15:

(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Spooky_7 Start: 4889, Stop: 5827, Start Num: 25
Candidate Starts for Spooky_7:
(Start: 25 @4889 has 101 MA's), (33, 4931), (34, 4934), (52, 5024), (71, 5126), (85, 5198), (86, 5201), (91, 5219), (129, 5390), (153, 5495), (161, 5531), (164, 5543), (166, 5555), (176, 5618), (207, 5777), (210, 5798),

Gene: Spouty_16 Start: 12878, Stop: 13837, Start Num: 5
Candidate Starts for Spouty_16:
(Start: 5 @12878 has 499 MA's), (29, 12938), (45, 13028), (46, 13034), (57, 13076), (61, 13106), (64, 13130), (75, 13175), (84, 13226), (87, 13238), (92, 13256), (120, 13379), (123, 13391), (179, 13622), (194, 13727),

Gene: Squee_16 Start: 12036, Stop: 13052, Start Num: 5
Candidate Starts for Squee_16:
(Start: 5 @12036 has 499 MA's), (51, 12231), (54, 12246), (57, 12261), (68, 12333), (76, 12366), (80, 12387), (94, 12462), (108, 12522), (152, 12708), (185, 12879), (186, 12885), (195, 12942), (202, 12978),

Gene: Squiddly_8 Start: 5582, Stop: 6520, Start Num: 25
Candidate Starts for Squiddly_8:
(Start: 25 @5582 has 101 MA's), (33, 5624), (34, 5627), (52, 5717), (71, 5819), (78, 5849), (86, 5894), (129, 6083), (166, 6248), (176, 6311), (207, 6470), (210, 6491),

Gene: StCroix_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for StCroix_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: Stagni_17 Start: 11541, Stop: 12533, Start Num: 7
Candidate Starts for Stagni_17:
(Start: 7 @11541 has 112 MA's), (46, 11682), (70, 11802), (79, 11841), (84, 11874), (108, 11985), (130, 12072), (152, 12168), (168, 12249), (176, 12276), (179, 12288), (186, 12342), (192, 12387), (193, 12393), (196, 12426), (205, 12462), (209, 12486),

Gene: StarStuff_19 Start: 12087, Stop: 13043, Start Num: 4
Candidate Starts for StarStuff_19:
(Start: 4 @12087 has 72 MA's), (29, 12147), (45, 12237), (46, 12243), (57, 12285), (61, 12315), (64, 12339), (75, 12384), (84, 12435), (87, 12447), (92, 12465), (95, 12486), (120, 12573), (123, 12585), (125, 12591), (130, 12612), (169, 12792), (179, 12816), (186, 12870), (213, 13017),

Gene: Stargaze_7 Start: 7256, Stop: 8182, Start Num: 25
Candidate Starts for Stargaze_7:
(Start: 25 @7256 has 101 MA's), (35, 7313), (40, 7343), (66, 7475), (74, 7508), (83, 7559), (128, 7757), (164, 7919), (179, 7991), (209, 8156),

Gene: Stasia_16 Start: 11927, Stop: 12865, Start Num: 5
Candidate Starts for Stasia_16:
(Start: 5 @11927 has 499 MA's), (29, 11987), (46, 12083), (61, 12155), (64, 12179), (84, 12275), (92, 12305), (103, 12365), (108, 12380), (152, 12542), (186, 12704), (201, 12791),

Gene: SteamedHams_10 Start: 5412, Stop: 6368, Start Num: 9
Candidate Starts for SteamedHams_10:
(Start: 9 @5412 has 33 MA's), (26, 5454), (66, 5667), (77, 5712), (79, 5721), (89, 5766), (113, 5877), (142, 6003), (154, 6057), (162, 6093), (163, 6096), (168, 6123), (201, 6279), (209, 6324), (210, 6327),

Gene: Steamy_17 Start: 12661, Stop: 13617, Start Num: 5
Candidate Starts for Steamy_17:
(Start: 5 @12661 has 499 MA's), (29, 12721), (46, 12817), (57, 12859), (61, 12889), (64, 12913), (84, 13009), (87, 13021), (92, 13039), (120, 13159), (123, 13171), (179, 13402), (194, 13507), (208, 13576),

Gene: StepMih_17 Start: 11532, Stop: 12524, Start Num: 7
Candidate Starts for StepMih_17:
(Start: 7 @11532 has 112 MA's), (46, 11673), (70, 11793), (79, 11832), (84, 11865), (108, 11976), (130, 12063), (152, 12159), (168, 12240), (176, 12267), (179, 12279), (186, 12333), (192, 12378), (193, 12384), (196, 12417), (205, 12453), (209, 12477),

Gene: Stephig9_13 Start: 10359, Stop: 11309, Start Num: 15
Candidate Starts for Stephig9_13:
(Start: 15 @10359 has 49 MA's), (46, 10488), (57, 10530), (79, 10647), (84, 10680), (98, 10755), (125, 10839), (148, 10929), (152, 10956), (159, 10989), (169, 11040), (179, 11079), (196, 11205), (205, 11241),

Gene: StewieG_14 Start: 11407, Stop: 12408, Start Num: 5
Candidate Starts for StewieG_14:
(Start: 5 @11407 has 499 MA's), (42, 11551), (51, 11602), (54, 11617), (76, 11737), (80, 11758), (94, 11833), (108, 11893), (120, 11947), (127, 11977), (132, 11995), (152, 12079), (186, 12256), (194, 12295), (195, 12301), (212, 12385),

Gene: Stink_15 Start: 11448, Stop: 12380, Start Num: 5
Candidate Starts for Stink_15:
(Start: 5 @11448 has 499 MA's), (29, 11508), (46, 11604), (47, 11619), (61, 11676), (64, 11700), (84, 11796), (92, 11826), (101, 11880), (152, 12066), (186, 12228), (189, 12261), (194, 12279), (208, 12348),

Gene: Stormborn_6 Start: 4641, Stop: 5588, Start Num: 24
Candidate Starts for Stormborn_6:
(Start: 23 @4638 has 3 MA's), (Start: 24 @4641 has 40 MA's), (33, 4689), (40, 4731), (48, 4773), (53, 4785), (63, 4848), (72, 4887), (79, 4917), (83, 4947), (94, 4998), (105, 5055), (133, 5160), (136, 5178), (151, 5250), (156, 5277), (170, 5337), (198, 5481), (204, 5508), (211, 5541),

Gene: StrongArm_14 Start: 12284, Stop: 13303, Start Num: 5
Candidate Starts for StrongArm_14:
(Start: 5 @12284 has 499 MA's), (51, 12479), (54, 12494), (76, 12614), (80, 12635), (94, 12710), (108, 12770), (152, 12956), (185, 13127), (186, 13133), (195, 13190), (202, 13226),

Gene: Strosahl_18 Start: 11256, Stop: 12206, Start Num: 5
Candidate Starts for Strosahl_18:
(Start: 5 @11256 has 499 MA's), (29, 11316), (46, 11412), (61, 11484), (64, 11508), (75, 11553), (84, 11604), (92, 11634), (181, 12012), (201, 12132), (209, 12177),

Gene: SummitAcademy_7 Start: 5169, Stop: 6128, Start Num: 9

Candidate Starts for SummitAcademy_7:
(Start: 9 @5169 has 33 MA's), (26, 5220), (50, 5349), (67, 5436), (77, 5478), (79, 5487), (89, 5532), (106, 5616), (130, 5712), (142, 5769), (154, 5823), (162, 5859), (207, 6072), (209, 6090), (219, 6120),

Gene: Sumter_14 Start: 11150, Stop: 12148, Start Num: 5
Candidate Starts for Sumter_14:
(Start: 5 @11150 has 499 MA's), (42, 11294), (51, 11345), (54, 11360), (76, 11480), (80, 11501), (94, 11576), (108, 11636), (132, 11738), (152, 11822), (178, 11942), (186, 11999), (194, 12038), (195, 12044),

Gene: Sunshine924_14 Start: 11134, Stop: 12132, Start Num: 5
Candidate Starts for Sunshine924_14:
(Start: 5 @11134 has 499 MA's), (42, 11278), (51, 11329), (54, 11344), (76, 11464), (80, 11485), (94, 11560), (108, 11620), (127, 11704), (132, 11722), (152, 11806), (178, 11926), (186, 11983), (194, 12022), (195, 12028),

Gene: SuperAwesome_19 Start: 12230, Stop: 13201, Start Num: 4
Candidate Starts for SuperAwesome_19:
(Start: 4 @12230 has 72 MA's), (29, 12290), (46, 12386), (57, 12428), (61, 12458), (64, 12482), (75, 12527), (84, 12578), (87, 12590), (92, 12608), (120, 12713), (162, 12899), (209, 13172),

Gene: SuperCallie99_19 Start: 12231, Stop: 13202, Start Num: 4
Candidate Starts for SuperCallie99_19:
(Start: 4 @12231 has 72 MA's), (29, 12291), (46, 12387), (57, 12429), (61, 12459), (64, 12483), (75, 12528), (84, 12579), (87, 12591), (92, 12609), (120, 12714), (162, 12900),

Gene: Superchunk_15 Start: 10834, Stop: 11790, Start Num: 5
Candidate Starts for Superchunk_15:
(Start: 5 @10834 has 499 MA's), (29, 10894), (45, 10984), (46, 10990), (57, 11032), (61, 11062), (64, 11086), (75, 11131), (84, 11182), (87, 11194), (92, 11212), (130, 11371), (141, 11416), (159, 11500), (179, 11575),

Gene: Supernova_6 Start: 4640, Stop: 5584, Start Num: 24
Candidate Starts for Supernova_6:
(Start: 23 @4637 has 3 MA's), (Start: 24 @4640 has 40 MA's), (33, 4688), (40, 4730), (48, 4772), (53, 4784), (72, 4886), (79, 4916), (83, 4946), (90, 4973), (94, 4997), (108, 5060), (136, 5177), (147, 5213), (151, 5249), (156, 5276), (170, 5336), (195, 5459), (198, 5480), (203, 5498), (204, 5507), (211, 5540),

Gene: Survivors_10 Start: 6147, Stop: 7073, Start Num: 19
Candidate Starts for Survivors_10:
(Start: 19 @6147 has 9 MA's), (46, 6282), (68, 6393), (73, 6414), (77, 6432), (83, 6462), (89, 6486), (96, 6522), (106, 6570), (113, 6597), (128, 6660), (129, 6663), (130, 6666), (154, 6777), (162, 6813), (166, 6831), (168, 6843), (183, 6912), (185, 6927), (200, 6996), (207, 7026),

Gene: Swann_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for Swann_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: SweatNTears_10 Start: 5896, Stop: 6852, Start Num: 9
Candidate Starts for SweatNTears_10:
(Start: 9 @5896 has 33 MA's), (13, 5911), (26, 5938), (49, 6064), (53, 6073), (66, 6151), (77, 6196), (79, 6205), (89, 6250), (96, 6286), (113, 6361), (154, 6541), (162, 6577), (163, 6580), (168, 6607),

(201, 6763), (207, 6790), (209, 6808),

Gene: SweetiePie_16 Start: 12107, Stop: 13063, Start Num: 5
Candidate Starts for SweetiePie_16:
(Start: 5 @12107 has 499 MA's), (29, 12167), (40, 12236), (46, 12263), (57, 12305), (61, 12335), (64, 12359), (75, 12404), (84, 12455), (92, 12485), (117, 12590), (130, 12644), (179, 12848), (180, 12866), (186, 12902), (194, 12953),

Gene: Sweets_7 Start: 7104, Stop: 8039, Start Num: 25
Candidate Starts for Sweets_7:
(Start: 25 @7104 has 101 MA's), (35, 7161), (36, 7164), (38, 7176), (41, 7197), (66, 7323), (74, 7356), (128, 7605), (136, 7650), (157, 7737), (166, 7779), (179, 7848), (209, 8013),

Gene: SwirlSquare_18 Start: 10998, Stop: 11969, Start Num: 3
Candidate Starts for SwirlSquare_18:
(Start: 3 @10998 has 1 MA's), (29, 11073), (40, 11142), (45, 11163), (46, 11169), (57, 11211), (61, 11241), (64, 11265), (75, 11310), (84, 11361), (92, 11391), (130, 11550), (159, 11679),

Gene: Swirley_13 Start: 10769, Stop: 11701, Start Num: 15
Candidate Starts for Swirley_13:
(Start: 15 @10769 has 49 MA's), (46, 10898), (57, 10940), (61, 10970), (79, 11057), (84, 11090), (152, 11354), (157, 11378), (169, 11438), (179, 11477), (181, 11498), (187, 11546), (196, 11603), (205, 11639), (209, 11663),

Gene: SwissCheese_15 Start: 11595, Stop: 12593, Start Num: 5
Candidate Starts for SwissCheese_15:
(Start: 5 @11595 has 499 MA's), (42, 11739), (51, 11790), (54, 11805), (76, 11925), (80, 11946), (94, 12021), (108, 12081), (132, 12183), (152, 12267), (178, 12387), (186, 12444), (194, 12483), (195, 12489),

Gene: Switzer_16 Start: 11518, Stop: 12531, Start Num: 5
Candidate Starts for Switzer_16:
(Start: 5 @11518 has 499 MA's), (42, 11662), (51, 11713), (54, 11728), (76, 11848), (80, 11869), (94, 11944), (108, 12004), (119, 12055), (120, 12058), (127, 12088), (132, 12106), (152, 12190), (185, 12361), (186, 12367), (195, 12421),

Gene: Switzerland_18 Start: 11410, Stop: 12360, Start Num: 5
Candidate Starts for Switzerland_18:
(Start: 5 @11410 has 499 MA's), (29, 11470), (46, 11566), (61, 11638), (64, 11662), (75, 11707), (84, 11758), (92, 11788), (181, 12166), (201, 12286), (209, 12331),

Gene: Swole_17 Start: 12065, Stop: 13072, Start Num: 5
Candidate Starts for Swole_17:
(Start: 5 @12065 has 499 MA's), (54, 12275), (76, 12395), (80, 12416), (94, 12491), (111, 12572), (127, 12635), (132, 12653), (152, 12737), (186, 12914), (195, 12962),

Gene: SydNat_13 Start: 10876, Stop: 11808, Start Num: 15
Candidate Starts for SydNat_13:
(Start: 15 @10876 has 49 MA's), (46, 11005), (57, 11047), (61, 11077), (79, 11164), (84, 11197), (123, 11338), (152, 11461), (157, 11485), (169, 11545), (179, 11584), (181, 11605), (187, 11653), (196, 11710), (205, 11746), (209, 11770),

Gene: TNguyen7_15 Start: 11073, Stop: 12047, Start Num: 7

Candidate Starts for TNguyen7_15:
(Start: 7 @11073 has 112 MA's), (46, 11214), (70, 11334), (79, 11373), (84, 11406), (139, 11643), (148, 11670), (152, 11697), (169, 11781), (186, 11871), (192, 11916), (193, 11922), (196, 11955), (205, 11991),

Gene: TWAMP_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for TWAMP_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: Taheera_7 Start: 7108, Stop: 8043, Start Num: 25
Candidate Starts for Taheera_7:
(Start: 25 @7108 has 101 MA's), (35, 7165), (36, 7168), (38, 7180), (66, 7327), (74, 7360), (93, 7447), (166, 7783), (179, 7852),

Gene: Takoda_12 Start: 7693, Stop: 8595, Start Num: 16
Candidate Starts for Takoda_12:
(Start: 16 @7693 has 36 MA's), (46, 7822), (65, 7924), (76, 7966), (79, 7981), (84, 8014), (148, 8269), (159, 8329), (165, 8362),

Gene: Taquarus_15 Start: 11482, Stop: 12414, Start Num: 5
Candidate Starts for Taquarus_15:
(Start: 5 @11482 has 499 MA's), (29, 11542), (46, 11638), (61, 11710), (64, 11734), (84, 11830), (101, 11914), (144, 12058), (152, 12100), (186, 12262), (189, 12295), (194, 12313), (201, 12349), (208, 12382),

Gene: Target_17 Start: 12395, Stop: 13588, Start Num: 11
Candidate Starts for Target_17:
(Start: 11 @12395 has 14 MA's), (29, 12443), (31, 12467), (46, 12539), (61, 12611), (64, 12635), (68, 12650), (84, 12731), (92, 12761), (126, 12887), (148, 12968), (152, 12995), (177, 13094), (208, 13277), (209, 13289), (220, 13421), (222, 13454), (224, 13475), (226, 13508),

Gene: TarsusIV_16 Start: 12206, Stop: 13162, Start Num: 5
Candidate Starts for TarsusIV_16:
(Start: 5 @12206 has 499 MA's), (29, 12266), (37, 12314), (46, 12362), (57, 12404), (61, 12434), (64, 12458), (84, 12554), (87, 12566), (117, 12689), (123, 12716), (130, 12743), (141, 12788), (179, 12947), (180, 12965), (194, 13052),

Gene: Tarynearal_12 Start: 10796, Stop: 11728, Start Num: 15
Candidate Starts for Tarynearal_12:
(Start: 15 @10796 has 49 MA's), (46, 10925), (57, 10967), (61, 10997), (79, 11084), (84, 11117), (152, 11381), (157, 11405), (169, 11465), (179, 11504), (181, 11525), (187, 11573), (196, 11630), (205, 11666), (209, 11690),

Gene: Tasp14_16 Start: 11835, Stop: 12845, Start Num: 5
Candidate Starts for Tasp14_16:
(Start: 5 @11835 has 499 MA's), (42, 11979), (51, 12030), (54, 12045), (76, 12165), (80, 12186), (94, 12261), (108, 12321), (119, 12372), (127, 12405), (132, 12423), (152, 12507), (185, 12678), (186, 12684), (195, 12738),

Gene: Taurus_17 Start: 11537, Stop: 12529, Start Num: 7
Candidate Starts for Taurus_17:

(Start: 7 @11537 has 112 MA's), (46, 11678), (70, 11798), (79, 11837), (84, 11870), (108, 11981), (130, 12068), (152, 12164), (168, 12245), (176, 12272), (179, 12284), (186, 12338), (192, 12383), (193, 12389), (196, 12422), (205, 12458), (209, 12482),

Gene: Teodoridan_13 Start: 10968, Stop: 11972, Start Num: 5
Candidate Starts for Teodoridan_13:
(Start: 5 @10968 has 499 MA's), (42, 11112), (44, 11121), (51, 11163), (54, 11178), (76, 11298), (80, 11319), (94, 11394), (108, 11454), (132, 11556), (152, 11640), (158, 11670), (178, 11760), (185, 11811), (186, 11817), (195, 11865),

Gene: Terror_7 Start: 7108, Stop: 8043, Start Num: 25
Candidate Starts for Terror_7:
(Start: 25 @7108 has 101 MA's), (35, 7165), (36, 7168), (38, 7180), (66, 7327), (74, 7360), (93, 7447), (166, 7783), (179, 7852),

Gene: Texage_15 Start: 11634, Stop: 12626, Start Num: 7
Candidate Starts for Texage_15:
(Start: 7 @11634 has 112 MA's), (46, 11775), (79, 11934), (84, 11967), (128, 12159), (139, 12207), (148, 12234), (152, 12261), (168, 12342), (173, 12357), (179, 12381), (186, 12435), (192, 12480), (193, 12486), (196, 12519), (205, 12555), (214, 12597),

Gene: Thanksgivukkah_15 Start: 11484, Stop: 12416, Start Num: 5
Candidate Starts for Thanksgivukkah_15:
(Start: 5 @11484 has 499 MA's), (29, 11544), (46, 11640), (61, 11712), (64, 11736), (84, 11832), (92, 11862), (101, 11916), (144, 12060), (152, 12102), (186, 12264), (189, 12297), (194, 12315), (201, 12351), (208, 12384),

Gene: Theia_12 Start: 10735, Stop: 11667, Start Num: 15
Candidate Starts for Theia_12:
(Start: 15 @10735 has 49 MA's), (46, 10864), (57, 10906), (61, 10936), (79, 11023), (84, 11056), (152, 11320), (157, 11344), (169, 11404), (179, 11443), (181, 11464), (187, 11512), (196, 11569), (205, 11605), (209, 11629),

Gene: TheloniousMonk_17 Start: 12579, Stop: 13598, Start Num: 5
Candidate Starts for TheloniousMonk_17:
(Start: 5 @12579 has 499 MA's), (51, 12774), (54, 12789), (68, 12876), (76, 12909), (80, 12930), (94, 13005), (108, 13065), (152, 13251), (185, 13422), (186, 13428), (195, 13485), (202, 13521),

Gene: Thor_15 Start: 11420, Stop: 12436, Start Num: 5
Candidate Starts for Thor_15:
(Start: 5 @11420 has 499 MA's), (51, 11615), (54, 11630), (76, 11750), (80, 11771), (94, 11846), (108, 11906), (152, 12092), (185, 12263), (186, 12269), (195, 12326), (202, 12362),

Gene: Tiffany_17 Start: 11433, Stop: 12425, Start Num: 7
Candidate Starts for Tiffany_17:
(Start: 7 @11433 has 112 MA's), (46, 11574), (70, 11694), (79, 11733), (84, 11766), (108, 11877), (130, 11964), (152, 12060), (168, 12141), (176, 12168), (179, 12180), (186, 12234), (192, 12279), (193, 12285), (196, 12318), (205, 12354), (209, 12378),

Gene: Tiger_13 Start: 10616, Stop: 11554, Start Num: 15
Candidate Starts for Tiger_13:
(Start: 15 @10616 has 49 MA's), (46, 10745), (57, 10787), (61, 10817), (79, 10904), (84, 10937), (152, 11201), (157, 11225), (169, 11285), (179, 11324), (181, 11345), (187, 11393), (196, 11450), (205,

11486), (209, 11510),

Gene: Timothy_16 Start: 12699, Stop: 13688, Start Num: 4
Candidate Starts for Timothy_16:
(Start: 4 @12699 has 72 MA's), (29, 12759), (33, 12789), (45, 12849), (46, 12855), (57, 12897), (61, 12927), (64, 12951), (75, 12996), (84, 13047), (87, 13059), (92, 13077), (110, 13161), (120, 13197), (123, 13209), (130, 13236), (186, 13494), (204, 13599),

Gene: Timshel_16 Start: 13055, Stop: 14014, Start Num: 5
Candidate Starts for Timshel_16:
(Start: 5 @13055 has 499 MA's), (29, 13115), (40, 13184), (46, 13211), (47, 13226), (61, 13283), (65, 13313), (84, 13403), (128, 13589), (152, 13691), (186, 13865), (194, 13916), (201, 13952),

Gene: TinaFeyge_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for TinaFeyge_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: TinyTimmy_15 Start: 12751, Stop: 13731, Start Num: 4
Candidate Starts for TinyTimmy_15:
(Start: 4 @12751 has 72 MA's), (29, 12811), (33, 12841), (45, 12901), (46, 12907), (57, 12949), (61, 12979), (64, 13003), (75, 13048), (84, 13099), (87, 13111), (92, 13129), (110, 13213), (120, 13249), (123, 13261), (130, 13288), (186, 13546), (204, 13651),

Gene: Tinybot_14 Start: 11460, Stop: 12392, Start Num: 5
Candidate Starts for Tinybot_14:
(Start: 5 @11460 has 499 MA's), (29, 11520), (46, 11616), (61, 11688), (64, 11712), (84, 11808), (92, 11838), (101, 11892), (144, 12036), (152, 12078), (174, 12177), (186, 12240), (189, 12273), (194, 12291), (201, 12327), (208, 12360),

Gene: TipsytheTRex_15 Start: 11216, Stop: 12193, Start Num: 5
Candidate Starts for TipsytheTRex_15:
(Start: 5 @11216 has 499 MA's), (29, 11276), (32, 11303), (46, 11372), (57, 11414), (61, 11444), (64, 11468), (84, 11564), (92, 11594), (129, 11735), (130, 11738), (152, 11837), (156, 11858), (177, 11972), (179, 11981), (191, 12074), (194, 12086),

Gene: TiroTheta9_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for TiroTheta9_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Toaka_15 Start: 11211, Stop: 12179, Start Num: 5
Candidate Starts for Toaka_15:
(Start: 5 @11211 has 499 MA's), (17, 11235), (29, 11271), (40, 11340), (46, 11367), (61, 11439), (64, 11463), (84, 11559), (87, 11571), (92, 11589), (117, 11694), (125, 11727), (130, 11748),

Gene: Todacoro_16 Start: 11634, Stop: 12626, Start Num: 7
Candidate Starts for Todacoro_16:
(Start: 7 @11634 has 112 MA's), (46, 11775), (79, 11934), (84, 11967), (128, 12159), (139, 12207), (148, 12234), (152, 12261), (168, 12342), (173, 12357), (179, 12381), (186, 12435), (192, 12480), (193, 12486), (196, 12519), (205, 12555), (214, 12597),

Gene: Tolls_10 Start: 5415, Stop: 6371, Start Num: 9
Candidate Starts for Tolls_10:
(Start: 9 @5415 has 33 MA's), (26, 5457), (66, 5670), (77, 5715), (79, 5724), (89, 5769), (113, 5880), (142, 6006), (154, 6060), (162, 6096), (163, 6099), (168, 6126), (201, 6282), (209, 6327), (210, 6330),

Gene: TomBrady_7 Start: 7104, Stop: 8039, Start Num: 25
Candidate Starts for TomBrady_7:
(Start: 25 @7104 has 101 MA's), (35, 7161), (36, 7164), (38, 7176), (59, 7275), (66, 7323), (74, 7356), (83, 7407), (102, 7500), (166, 7779), (173, 7818), (209, 8013),

Gene: Tomathan_19 Start: 12087, Stop: 13043, Start Num: 4
Candidate Starts for Tomathan_19:
(Start: 4 @12087 has 72 MA's), (29, 12147), (45, 12237), (46, 12243), (57, 12285), (61, 12315), (64, 12339), (75, 12384), (84, 12435), (87, 12447), (92, 12465), (95, 12486), (120, 12573), (123, 12585), (125, 12591), (130, 12612), (169, 12792), (179, 12816), (186, 12870), (213, 13017),

Gene: ToneTone_18 Start: 12148, Stop: 13119, Start Num: 4
Candidate Starts for ToneTone_18:
(Start: 4 @12148 has 72 MA's), (29, 12208), (46, 12304), (57, 12346), (61, 12376), (64, 12400), (75, 12445), (84, 12496), (87, 12508), (92, 12526), (120, 12631), (162, 12817), (209, 13090),

Gene: Topanga_15 Start: 11384, Stop: 12325, Start Num: 5
Candidate Starts for Topanga_15:
(Start: 5 @11384 has 499 MA's), (29, 11444), (42, 11522), (46, 11540), (47, 11555), (57, 11582), (61, 11612), (64, 11636), (84, 11732), (87, 11744), (92, 11762), (108, 11837), (116, 11858), (139, 11945), (152, 11999), (181, 12128), (186, 12161), (194, 12212), (201, 12248),

Gene: Topgun_15 Start: 11325, Stop: 12329, Start Num: 5
Candidate Starts for Topgun_15:
(Start: 5 @11325 has 499 MA's), (42, 11469), (44, 11478), (51, 11520), (54, 11535), (76, 11655), (80, 11676), (94, 11751), (108, 11811), (132, 11913), (152, 11997), (158, 12027), (178, 12117), (185, 12168), (186, 12174), (195, 12222),

Gene: Tote_17 Start: 12065, Stop: 13072, Start Num: 5
Candidate Starts for Tote_17:
(Start: 5 @12065 has 499 MA's), (54, 12275), (76, 12395), (80, 12416), (94, 12491), (111, 12572), (127, 12635), (132, 12653), (152, 12737), (186, 12914), (195, 12962),

Gene: Traft412_17 Start: 12246, Stop: 13253, Start Num: 5
Candidate Starts for Traft412_17:
(Start: 5 @12246 has 499 MA's), (42, 12390), (51, 12441), (54, 12456), (76, 12576), (80, 12597), (94, 12672), (108, 12732), (127, 12816), (132, 12834), (152, 12918), (186, 13095), (194, 13134), (195, 13140),

Gene: Treddle_17 Start: 12562, Stop: 13578, Start Num: 5
Candidate Starts for Treddle_17:
(Start: 5 @12562 has 499 MA's), (51, 12757), (54, 12772), (76, 12892), (80, 12913), (94, 12988), (108, 13048), (152, 13234), (185, 13405), (186, 13411), (195, 13468), (202, 13504),

Gene: Trike_13 Start: 9357, Stop: 10295, Start Num: 5
Candidate Starts for Trike_13:

(Start: 5 @9357 has 499 MA's), (29, 9417), (46, 9513), (47, 9528), (57, 9555), (61, 9585), (64, 9609), (75, 9654), (84, 9705), (92, 9735), (120, 9837), (139, 9918), (152, 9972), (194, 10185), (201, 10221), (208, 10254),

Gene: Tripl3t_16 Start: 12247, Stop: 13263, Start Num: 5
Candidate Starts for Tripl3t_16:
(Start: 5 @12247 has 499 MA's), (51, 12442), (54, 12457), (76, 12577), (80, 12598), (94, 12673), (108, 12733), (152, 12919), (185, 13090), (186, 13096), (195, 13153), (202, 13189),

Gene: Trixie_19 Start: 13819, Stop: 14775, Start Num: 5
Candidate Starts for Trixie_19:
(Start: 5 @13819 has 499 MA's), (29, 13879), (40, 13948), (46, 13975), (57, 14017), (61, 14047), (64, 14071), (75, 14116), (84, 14167), (92, 14197), (117, 14302), (123, 14329), (141, 14401), (162, 14503), (179, 14560), (180, 14578), (186, 14614), (194, 14665),

Gene: Troje_8 Start: 5370, Stop: 6326, Start Num: 9
Candidate Starts for Troje_8:
(Start: 9 @5370 has 33 MA's), (13, 5385), (26, 5412), (49, 5538), (53, 5547), (66, 5625), (77, 5670), (79, 5679), (89, 5724), (96, 5760), (113, 5835), (154, 6015), (162, 6051), (163, 6054), (168, 6081), (201, 6237), (207, 6264), (209, 6282),

Gene: Trooper_16 Start: 11994, Stop: 12953, Start Num: 5
Candidate Starts for Trooper_16:
(Start: 5 @11994 has 499 MA's), (29, 12057), (40, 12126), (46, 12153), (57, 12195), (61, 12225), (64, 12249), (75, 12294), (84, 12345), (87, 12357), (92, 12375), (117, 12480), (123, 12507), (130, 12534), (179, 12738), (180, 12756),

Gene: Trouble_15 Start: 11897, Stop: 12904, Start Num: 5
Candidate Starts for Trouble_15:
(Start: 5 @11897 has 499 MA's), (42, 12041), (44, 12050), (51, 12092), (54, 12107), (76, 12227), (80, 12248), (108, 12383), (132, 12485), (152, 12569), (158, 12599), (185, 12740), (186, 12746), (195, 12794),

Gene: TroyPia_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for TroyPia_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Tubs_17 Start: 12848, Stop: 13807, Start Num: 5
Candidate Starts for Tubs_17:
(Start: 5 @12848 has 499 MA's), (29, 12908), (45, 12998), (46, 13004), (57, 13046), (61, 13076), (64, 13100), (75, 13145), (84, 13196), (87, 13208), (92, 13226), (120, 13349), (123, 13361), (179, 13592), (194, 13697),

Gene: Tucker_19 Start: 12235, Stop: 13206, Start Num: 4
Candidate Starts for Tucker_19:
(Start: 4 @12235 has 72 MA's), (29, 12295), (46, 12391), (57, 12433), (61, 12463), (64, 12487), (75, 12532), (84, 12583), (87, 12595), (92, 12613), (120, 12718), (162, 12904),

Gene: Turbido_18 Start: 12647, Stop: 13603, Start Num: 5
Candidate Starts for Turbido_18:

(Start: 5 @12647 has 499 MA's), (29, 12707), (37, 12755), (40, 12776), (46, 12803), (57, 12845), (61, 12875), (64, 12899), (84, 12995), (87, 13007), (117, 13130), (123, 13157), (130, 13184), (141, 13229), (179, 13388), (180, 13406), (186, 13442), (194, 13493),

Gene: Turj99_14 Start: 11339, Stop: 12337, Start Num: 5
Candidate Starts for Turj99_14:
(Start: 5 @11339 has 499 MA's), (42, 11483), (51, 11534), (54, 11549), (76, 11669), (80, 11690), (94, 11765), (108, 11825), (132, 11927), (152, 12011), (178, 12131), (186, 12188), (194, 12227), (195, 12233),

Gene: Twister_15 Start: 11283, Stop: 12224, Start Num: 5
Candidate Starts for Twister_15:
(Start: 5 @11283 has 499 MA's), (29, 11343), (42, 11421), (46, 11439), (47, 11454), (57, 11481), (61, 11511), (64, 11535), (84, 11631), (87, 11643), (92, 11661), (108, 11736), (116, 11757), (139, 11844), (152, 11898), (181, 12027), (186, 12060), (194, 12111), (201, 12147),

Gene: TwoPeat_16 Start: 11858, Stop: 12859, Start Num: 5
Candidate Starts for TwoPeat_16:
(Start: 5 @11858 has 499 MA's), (54, 12068), (76, 12188), (80, 12209), (94, 12284), (108, 12344), (127, 12428), (132, 12446), (152, 12530), (186, 12707), (194, 12746), (195, 12752), (212, 12836),

Gene: TygerBlood_15 Start: 11481, Stop: 12413, Start Num: 5
Candidate Starts for TygerBlood_15:
(Start: 5 @11481 has 499 MA's), (29, 11541), (46, 11637), (61, 11709), (64, 11733), (84, 11829), (101, 11913), (144, 12057), (152, 12099), (186, 12261), (189, 12294), (194, 12312), (201, 12348), (208, 12381),

Gene: Typhonomachy_9 Start: 5380, Stop: 6351, Start Num: 9
Candidate Starts for Typhonomachy_9:
(Start: 9 @5380 has 33 MA's), (13, 5395), (26, 5431), (49, 5560), (89, 5746), (96, 5782), (119, 5884), (154, 6037), (168, 6103), (201, 6259), (209, 6304),

Gene: U2_15 Start: 11521, Stop: 12537, Start Num: 5
Candidate Starts for U2_15:
(Start: 5 @11521 has 499 MA's), (51, 11716), (54, 11731), (57, 11746), (68, 11818), (76, 11851), (80, 11872), (94, 11947), (108, 12007), (152, 12193), (185, 12364), (186, 12370), (195, 12427), (202, 12463), (205, 12478),

Gene: Ugenie5_14 Start: 12881, Stop: 13840, Start Num: 5
Candidate Starts for Ugenie5_14:
(Start: 5 @12881 has 499 MA's), (29, 12941), (45, 13031), (46, 13037), (57, 13079), (61, 13109), (64, 13133), (75, 13178), (84, 13229), (87, 13241), (92, 13259), (120, 13382), (123, 13394), (179, 13625), (194, 13730),

Gene: UhSalsa_12 Start: 7716, Stop: 8636, Start Num: 16
Candidate Starts for UhSalsa_12:
(Start: 16 @7716 has 36 MA's), (46, 7845), (65, 7947), (76, 7989), (79, 8004), (84, 8037), (138, 8241), (159, 8337), (208, 8592),

Gene: Ulysses_14 Start: 11200, Stop: 12132, Start Num: 5
Candidate Starts for Ulysses_14:
(Start: 5 @11200 has 499 MA's), (29, 11260), (46, 11356), (61, 11428), (64, 11452), (84, 11548), (92, 11578), (101, 11632), (144, 11776), (152, 11818), (186, 11980), (189, 12013), (194, 12031), (201,

12067), (208, 12100),

Gene: UnionJack_13 Start: 10339, Stop: 11280, Start Num: 15
Candidate Starts for UnionJack_13:
(Start: 15 @10339 has 49 MA's), (46, 10468), (61, 10540), (79, 10627), (84, 10660), (123, 10801), (152, 10924), (157, 10948), (169, 11008), (179, 11047), (181, 11068), (187, 11116), (196, 11173), (205, 11209), (209, 11233),

Gene: Updawg_18 Start: 12655, Stop: 13611, Start Num: 5
Candidate Starts for Updawg_18:
(Start: 5 @12655 has 499 MA's), (29, 12715), (40, 12784), (46, 12811), (57, 12853), (61, 12883), (64, 12907), (75, 12952), (84, 13003), (87, 13015), (117, 13138), (123, 13165), (130, 13192), (141, 13237), (179, 13396), (180, 13414), (186, 13450), (194, 13501),

Gene: VA6_16 Start: 12170, Stop: 13126, Start Num: 5
Candidate Starts for VA6_16:
(Start: 5 @12170 has 499 MA's), (17, 12194), (29, 12230), (46, 12326), (57, 12368), (61, 12398), (64, 12422), (75, 12467), (84, 12518), (87, 12530), (96, 12578), (123, 12680), (137, 12737), (186, 12965), (194, 13016),

Gene: VC3_19 Start: 12128, Stop: 13129, Start Num: 5
Candidate Starts for VC3_19:
(Start: 5 @12128 has 499 MA's), (29, 12188), (45, 12278), (46, 12284), (57, 12326), (61, 12356), (64, 12380), (75, 12425), (84, 12476), (87, 12488), (92, 12506), (126, 12656), (186, 12956), (194, 13007), (208, 13076), (209, 13088),

Gene: Vanisoa_15 Start: 10928, Stop: 11896, Start Num: 5
Candidate Starts for Vanisoa_15:
(Start: 5 @10928 has 499 MA's), (29, 10988), (46, 11084), (61, 11156), (64, 11180), (75, 11225), (84, 11276), (92, 11306), (117, 11411), (130, 11465),

Gene: Veracruz_15 Start: 11634, Stop: 12626, Start Num: 7
Candidate Starts for Veracruz_15:
(Start: 7 @11634 has 112 MA's), (46, 11775), (79, 11934), (84, 11967), (128, 12159), (139, 12207), (148, 12234), (152, 12261), (168, 12342), (173, 12357), (179, 12381), (186, 12435), (192, 12480), (193, 12486), (196, 12519), (205, 12555), (214, 12597),

Gene: Vine_9 Start: 6093, Stop: 7052, Start Num: 9
Candidate Starts for Vine_9:
(Start: 9 @6093 has 33 MA's), (26, 6144), (50, 6273), (67, 6360), (77, 6402), (79, 6411), (89, 6456), (106, 6540), (130, 6636), (142, 6693), (154, 6747), (162, 6783), (202, 6975), (207, 6996), (209, 7014), (219, 7044),

Gene: Violet_14 Start: 12156, Stop: 13160, Start Num: 5
Candidate Starts for Violet_14:
(Start: 5 @12156 has 499 MA's), (42, 12300), (44, 12309), (51, 12351), (54, 12366), (76, 12486), (80, 12507), (94, 12582), (108, 12642), (132, 12744), (152, 12828), (158, 12858), (178, 12948), (185, 12999), (186, 13005), (195, 13053),

Gene: Vix_17 Start: 11621, Stop: 12613, Start Num: 7
Candidate Starts for Vix_17:
(Start: 7 @11621 has 112 MA's), (46, 11762), (70, 11882), (79, 11921), (84, 11954), (108, 12065), (130, 12152), (152, 12248), (168, 12329), (176, 12356), (179, 12368), (186, 12422), (192, 12467),

(193, 12473), (196, 12506), (205, 12542), (209, 12566),

Gene: VohminGhazi_19 Start: 12240, Stop: 13211, Start Num: 4
Candidate Starts for VohminGhazi_19:
(Start: 4 @12240 has 72 MA's), (29, 12300), (46, 12396), (57, 12438), (61, 12468), (64, 12492), (75, 12537), (84, 12588), (87, 12600), (92, 12618), (120, 12723), (162, 12909), (209, 13182),

Gene: Waits_18 Start: 11262, Stop: 12212, Start Num: 5
Candidate Starts for Waits_18:
(Start: 5 @11262 has 499 MA's), (29, 11322), (46, 11418), (61, 11490), (64, 11514), (75, 11559), (84, 11610), (92, 11640), (181, 12018), (201, 12138), (209, 12183),

Gene: WalterMcMickey_15 Start: 11283, Stop: 12224, Start Num: 5
Candidate Starts for WalterMcMickey_15:
(Start: 5 @11283 has 499 MA's), (29, 11343), (42, 11421), (46, 11439), (47, 11454), (57, 11481), (61, 11511), (64, 11535), (84, 11631), (87, 11643), (92, 11661), (108, 11736), (116, 11757), (139, 11844), (152, 11898), (181, 12027), (186, 12060), (194, 12111), (201, 12147),

Gene: Wander_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for Wander_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Watermelon_17 Start: 12447, Stop: 13457, Start Num: 5
Candidate Starts for Watermelon_17:
(Start: 5 @12447 has 499 MA's), (42, 12591), (51, 12642), (54, 12657), (76, 12777), (80, 12798), (94, 12873), (108, 12933), (119, 12984), (127, 13017), (132, 13035), (152, 13119), (185, 13290), (186, 13296), (195, 13350), (212, 13434),

Gene: Watson_17 Start: 11531, Stop: 12523, Start Num: 7
Candidate Starts for Watson_17:
(Start: 7 @11531 has 112 MA's), (46, 11672), (70, 11792), (79, 11831), (84, 11864), (108, 11975), (130, 12062), (152, 12158), (168, 12239), (176, 12266), (179, 12278), (186, 12332), (192, 12377), (193, 12383), (196, 12416), (205, 12452), (209, 12476),

Gene: WeiHuaDA_22 Start: 14421, Stop: 15377, Start Num: 5
Candidate Starts for WeiHuaDA_22:
(Start: 5 @14421 has 499 MA's), (29, 14481), (40, 14550), (46, 14577), (57, 14619), (61, 14649), (64, 14673), (75, 14718), (84, 14769), (87, 14781), (92, 14799), (117, 14904), (123, 14931), (130, 14958), (179, 15162), (180, 15180), (186, 15216), (191, 15255),

Gene: Whabigail7_18 Start: 12635, Stop: 13591, Start Num: 5
Candidate Starts for Whabigail7_18:
(Start: 5 @12635 has 499 MA's), (29, 12695), (37, 12743), (40, 12764), (46, 12791), (57, 12833), (61, 12863), (64, 12887), (84, 12983), (87, 12995), (117, 13118), (123, 13145), (130, 13172), (141, 13217), (179, 13376), (180, 13394), (186, 13430), (194, 13481),

Gene: Wheeler_15 Start: 11614, Stop: 12630, Start Num: 5
Candidate Starts for Wheeler_15:
(Start: 5 @11614 has 499 MA's), (51, 11809), (54, 11824), (57, 11839), (68, 11911), (76, 11944), (80, 11965), (94, 12040), (108, 12100), (152, 12286), (185, 12457), (186, 12463), (195, 12520), (202, 12556),

Gene: Whitney_7 Start: 4897, Stop: 5835, Start Num: 25
Candidate Starts for Whitney_7:
(Start: 25 @4897 has 101 MA's), (33, 4939), (34, 4942), (52, 5032), (71, 5134), (85, 5206), (86, 5209), (129, 5398), (164, 5551), (166, 5563), (176, 5626), (184, 5680), (207, 5785), (210, 5806),

Gene: WideWale_18 Start: 12655, Stop: 13611, Start Num: 5
Candidate Starts for WideWale_18:
(Start: 5 @12655 has 499 MA's), (29, 12715), (40, 12784), (46, 12811), (57, 12853), (61, 12883), (64, 12907), (75, 12952), (84, 13003), (87, 13015), (117, 13138), (123, 13165), (130, 13192), (141, 13237), (179, 13396), (180, 13414), (186, 13450), (194, 13501),

Gene: Wiks_19 Start: 12216, Stop: 13187, Start Num: 4
Candidate Starts for Wiks_19:
(Start: 4 @12216 has 72 MA's), (29, 12276), (46, 12372), (57, 12414), (61, 12444), (64, 12468), (75, 12513), (84, 12564), (87, 12576), (92, 12594), (120, 12699), (162, 12885), (209, 13158),

Gene: Wilbur_15 Start: 11478, Stop: 12410, Start Num: 5
Candidate Starts for Wilbur_15:
(Start: 5 @11478 has 499 MA's), (29, 11538), (46, 11634), (61, 11706), (64, 11730), (84, 11826), (101, 11910), (144, 12054), (152, 12096), (186, 12258), (189, 12291), (194, 12309), (201, 12345), (208, 12378),

Gene: Wile_15 Start: 11501, Stop: 12433, Start Num: 5
Candidate Starts for Wile_15:
(Start: 5 @11501 has 499 MA's), (29, 11561), (46, 11657), (47, 11672), (59, 11714), (61, 11729), (64, 11753), (84, 11849), (92, 11879), (101, 11933), (144, 12077), (152, 12119), (186, 12281), (194, 12332), (201, 12368), (208, 12401),

Gene: Wilkins_15 Start: 11325, Stop: 12329, Start Num: 5
Candidate Starts for Wilkins_15:
(Start: 5 @11325 has 499 MA's), (42, 11469), (44, 11478), (51, 11520), (54, 11535), (76, 11655), (80, 11676), (94, 11751), (108, 11811), (132, 11913), (152, 11997), (158, 12027), (178, 12117), (185, 12168), (186, 12174), (195, 12222),

Gene: Wizard007_15 Start: 11481, Stop: 12413, Start Num: 5
Candidate Starts for Wizard007_15:
(Start: 5 @11481 has 499 MA's), (29, 11541), (46, 11637), (61, 11709), (64, 11733), (84, 11829), (101, 11913), (144, 12057), (152, 12099), (186, 12261), (189, 12294), (194, 12312), (201, 12348), (208, 12381),

Gene: Wizzo_6 Start: 4645, Stop: 5592, Start Num: 24
Candidate Starts for Wizzo_6:
(Start: 23 @4642 has 3 MA's), (Start: 24 @4645 has 40 MA's), (33, 4693), (40, 4735), (53, 4789), (72, 4891), (79, 4921), (84, 4954), (94, 5002), (105, 5059), (131, 5158), (136, 5182), (147, 5218), (151, 5254), (156, 5281), (170, 5341), (198, 5485), (203, 5503), (204, 5512), (211, 5545),

Gene: Wooldri_19 Start: 11450, Stop: 12442, Start Num: 7
Candidate Starts for Wooldri_19:
(Start: 7 @11450 has 112 MA's), (46, 11591), (70, 11711), (79, 11750), (84, 11783), (108, 11894), (130, 11981), (152, 12077), (168, 12158), (176, 12185), (179, 12197), (186, 12251), (192, 12296), (193, 12302), (196, 12335), (205, 12371), (209, 12395),

Gene: WunderPhul_19 Start: 12216, Stop: 13187, Start Num: 4
Candidate Starts for WunderPhul_19:
(Start: 4 @12216 has 72 MA's), (29, 12276), (46, 12372), (57, 12414), (61, 12444), (64, 12468), (75, 12513), (84, 12564), (87, 12576), (92, 12594), (120, 12699), (162, 12885), (209, 13158),

Gene: Xena_15 Start: 11488, Stop: 12420, Start Num: 5
Candidate Starts for Xena_15:
(Start: 5 @11488 has 499 MA's), (29, 11548), (46, 11644), (47, 11659), (61, 11716), (64, 11740), (84, 11836), (101, 11920), (144, 12064), (152, 12106), (186, 12268), (194, 12319), (201, 12355), (208, 12388),

Gene: XianYue_16 Start: 12113, Stop: 13081, Start Num: 3
Candidate Starts for XianYue_16:
(Start: 3 @12113 has 1 MA's), (29, 12188), (32, 12215), (40, 12257), (46, 12284), (57, 12326), (61, 12356), (84, 12476), (92, 12506), (123, 12638), (130, 12665), (179, 12869), (191, 12962), (194, 12974),

Gene: Yakult_9 Start: 5335, Stop: 6264, Start Num: 18
Candidate Starts for Yakult_9:
(Start: 18 @5335 has 6 MA's), (33, 5401), (53, 5497), (58, 5524), (77, 5620), (79, 5629), (80, 5635), (85, 5659), (89, 5674), (96, 5710), (106, 5758), (129, 5851), (154, 5965), (162, 6001), (163, 6004), (201, 6187),

Gene: Yarn_7 Start: 5405, Stop: 6361, Start Num: 9
Candidate Starts for Yarn_7:
(Start: 9 @5405 has 33 MA's), (26, 5447), (66, 5660), (77, 5705), (79, 5714), (89, 5759), (113, 5870), (142, 5996), (154, 6050), (162, 6086), (163, 6089), (168, 6116), (201, 6272), (209, 6317), (210, 6320),

Gene: Yecey3_16 Start: 11004, Stop: 11972, Start Num: 5
Candidate Starts for Yecey3_16:
(Start: 5 @11004 has 499 MA's), (29, 11064), (46, 11160), (61, 11232), (64, 11256), (75, 11301), (84, 11352), (87, 11364), (92, 11382), (117, 11487), (125, 11520), (130, 11541),

Gene: YoSam321_15 Start: 11479, Stop: 12411, Start Num: 5
Candidate Starts for YoSam321_15:
(Start: 5 @11479 has 499 MA's), (29, 11539), (46, 11635), (61, 11707), (64, 11731), (84, 11827), (101, 11911), (144, 12055), (152, 12097), (186, 12259), (189, 12292), (194, 12310), (201, 12346), (208, 12379),

Gene: Yogi_12 Start: 7701, Stop: 8603, Start Num: 16
Candidate Starts for Yogi_12:
(Start: 16 @7701 has 36 MA's), (46, 7830), (65, 7932), (76, 7974), (79, 7989), (84, 8022), (112, 8145), (148, 8277), (159, 8337), (165, 8370),

Gene: Yokurt_19 Start: 12216, Stop: 13187, Start Num: 4
Candidate Starts for Yokurt_19:
(Start: 4 @12216 has 72 MA's), (29, 12276), (46, 12372), (57, 12414), (61, 12444), (64, 12468), (75, 12513), (84, 12564), (87, 12576), (92, 12594), (120, 12699), (162, 12885), (209, 13158),

Gene: Yoncess_12 Start: 7701, Stop: 8603, Start Num: 16
Candidate Starts for Yoncess_12:
(Start: 16 @7701 has 36 MA's), (46, 7830), (65, 7932), (76, 7974), (79, 7989), (84, 8022), (148, 8277), (159, 8337), (165, 8370),

Gene: Yoshi_7 Start: 4877, Stop: 5812, Start Num: 25
Candidate Starts for Yoshi_7:
(Start: 25 @4877 has 101 MA's), (34, 4922), (35, 4931), (43, 4976), (52, 5012), (71, 5114), (86, 5189), (126, 5369), (142, 5435), (164, 5531), (171, 5564), (172, 5582), (176, 5606), (182, 5648), (203, 5747), (207, 5765), (210, 5786),

Gene: Yummy_9 Start: 5276, Stop: 6229, Start Num: 9
Candidate Starts for Yummy_9:
(Start: 9 @5276 has 33 MA's), (13, 5291), (26, 5318), (49, 5444), (53, 5453), (66, 5531), (77, 5576), (79, 5585), (89, 5630), (96, 5666), (113, 5741), (154, 5921), (162, 5957), (163, 5960), (168, 5987), (201, 6143), (207, 6170), (209, 6188),

Gene: Zaka_19 Start: 12216, Stop: 13187, Start Num: 4
Candidate Starts for Zaka_19:
(Start: 4 @12216 has 72 MA's), (29, 12276), (46, 12372), (57, 12414), (61, 12444), (64, 12468), (75, 12513), (84, 12564), (87, 12576), (92, 12594), (120, 12699), (162, 12885), (209, 13158),

Gene: Zapner_8 Start: 5402, Stop: 6337, Start Num: 25
Candidate Starts for Zapner_8:
(Start: 25 @5402 has 101 MA's), (34, 5447), (35, 5456), (43, 5501), (52, 5537), (71, 5639), (86, 5714), (126, 5894), (142, 5960), (164, 6056), (171, 6089), (172, 6107), (176, 6131), (182, 6173), (203, 6272), (207, 6290), (210, 6311),

Gene: Zareef_12 Start: 6294, Stop: 7220, Start Num: 19
Candidate Starts for Zareef_12:
(Start: 19 @6294 has 9 MA's), (46, 6429), (68, 6540), (77, 6579), (83, 6609), (89, 6633), (96, 6669), (106, 6717), (113, 6744), (128, 6807), (129, 6810), (130, 6813), (154, 6924), (162, 6960), (166, 6978), (168, 6990), (183, 7059), (185, 7074), (200, 7143), (207, 7173),

Gene: Zeeculate_14 Start: 11309, Stop: 12316, Start Num: 5
Candidate Starts for Zeeculate_14:
(Start: 5 @11309 has 499 MA's), (42, 11453), (51, 11504), (54, 11519), (76, 11639), (80, 11660), (94, 11735), (108, 11795), (127, 11879), (132, 11897), (152, 11981), (186, 12158), (194, 12197), (195, 12203),

Gene: Zephyr_15 Start: 11449, Stop: 12465, Start Num: 5
Candidate Starts for Zephyr_15:
(Start: 5 @11449 has 499 MA's), (51, 11644), (54, 11659), (57, 11674), (68, 11746), (76, 11779), (80, 11800), (94, 11875), (108, 11935), (152, 12121), (185, 12292), (186, 12298), (195, 12355), (202, 12391), (205, 12406),

Gene: Zetzy_16 Start: 11091, Stop: 12065, Start Num: 7
Candidate Starts for Zetzy_16:
(Start: 7 @11091 has 112 MA's), (46, 11235), (70, 11355), (79, 11394), (84, 11427), (152, 11718), (157, 11742), (158, 11748), (168, 11799), (177, 11829), (186, 11892), (196, 11976), (205, 12012), (209, 12036),

Gene: Zeuska_16 Start: 12127, Stop: 13125, Start Num: 5
Candidate Starts for Zeuska_16:
(Start: 5 @12127 has 499 MA's), (42, 12271), (51, 12322), (54, 12337), (76, 12457), (80, 12478), (94, 12553), (108, 12613), (127, 12697), (132, 12715), (152, 12799), (178, 12919), (186, 12976), (194, 13015), (195, 13021),

Gene: Zimmer_18 Start: 13717, Stop: 14679, Start Num: 5
Candidate Starts for Zimmer_18:
(Start: 5 @13717 has 499 MA's), (29, 13777), (31, 13801), (45, 13867), (46, 13873), (61, 13945), (64, 13969), (75, 14014), (84, 14065), (92, 14095), (120, 14221), (123, 14233), (179, 14464), (194, 14569),

Gene: ZoMa_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for ZoMa_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Zolita_12 Start: 10877, Stop: 11809, Start Num: 15
Candidate Starts for Zolita_12:
(Start: 15 @10877 has 49 MA's), (46, 11006), (57, 11048), (61, 11078), (79, 11165), (84, 11198), (123, 11339), (152, 11462), (157, 11486), (169, 11546), (179, 11585), (181, 11606), (187, 11654), (196, 11711), (205, 11747), (209, 11771),

Gene: Zombie_7 Start: 7103, Stop: 8038, Start Num: 25
Candidate Starts for Zombie_7:
(Start: 25 @7103 has 101 MA's), (35, 7160), (36, 7163), (38, 7175), (59, 7274), (66, 7322), (74, 7355), (83, 7406), (102, 7499), (166, 7778), (173, 7817), (209, 8012),

Gene: Zulu_19 Start: 12215, Stop: 13186, Start Num: 4
Candidate Starts for Zulu_19:
(Start: 4 @12215 has 72 MA's), (29, 12275), (46, 12371), (57, 12413), (61, 12443), (64, 12467), (75, 12512), (84, 12563), (87, 12575), (92, 12593), (120, 12698), (162, 12884), (209, 13157),