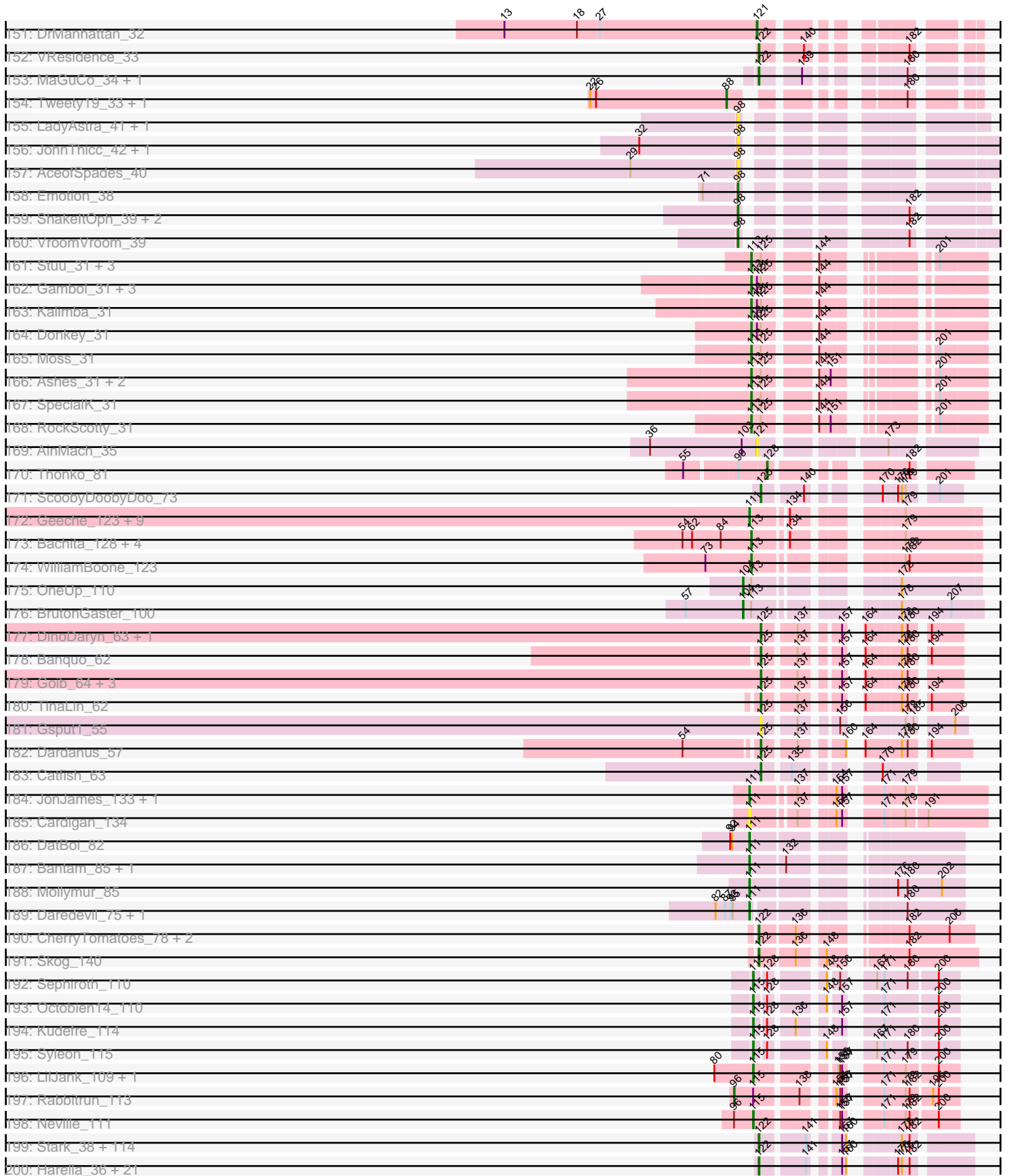


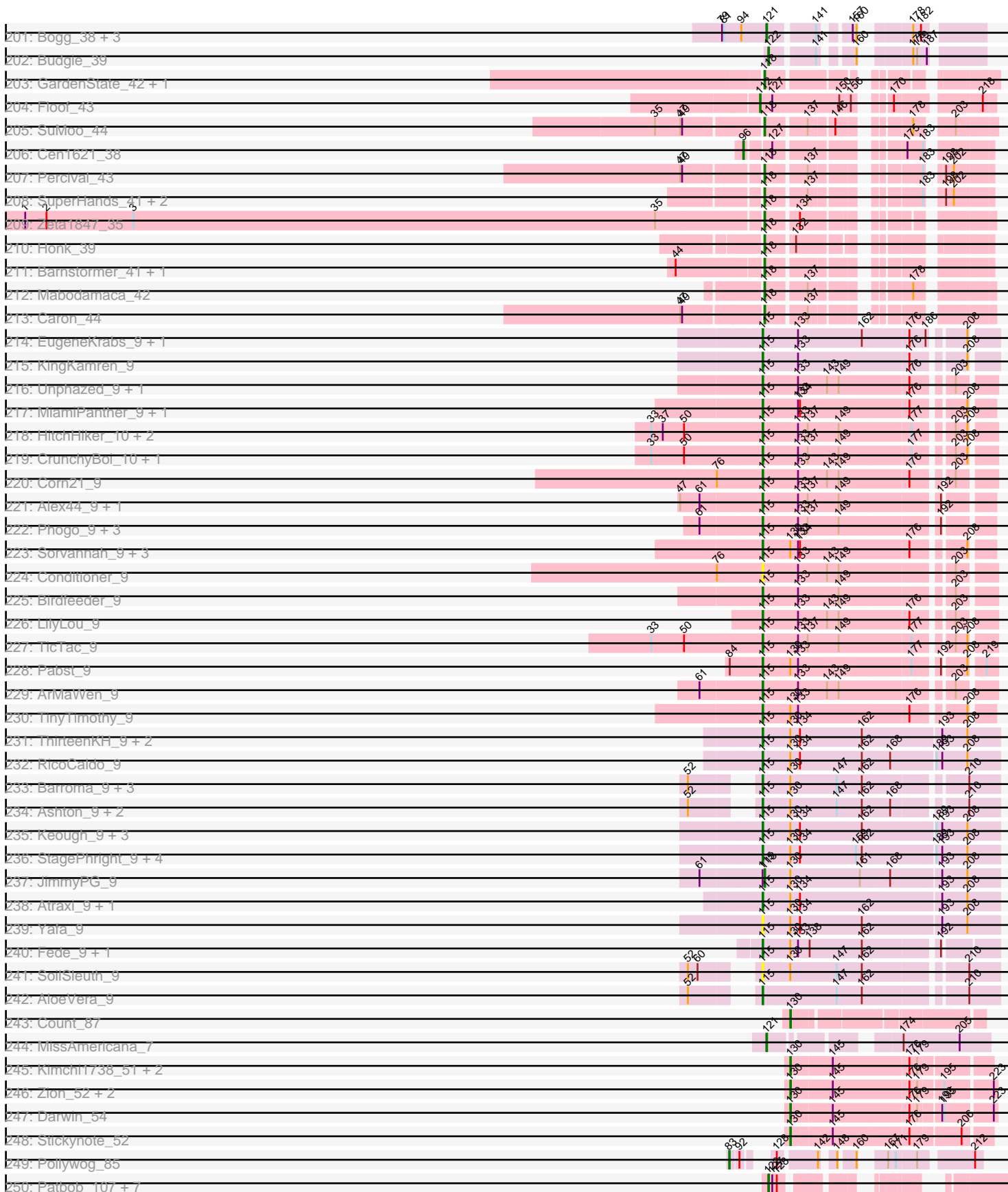
Pham 310997



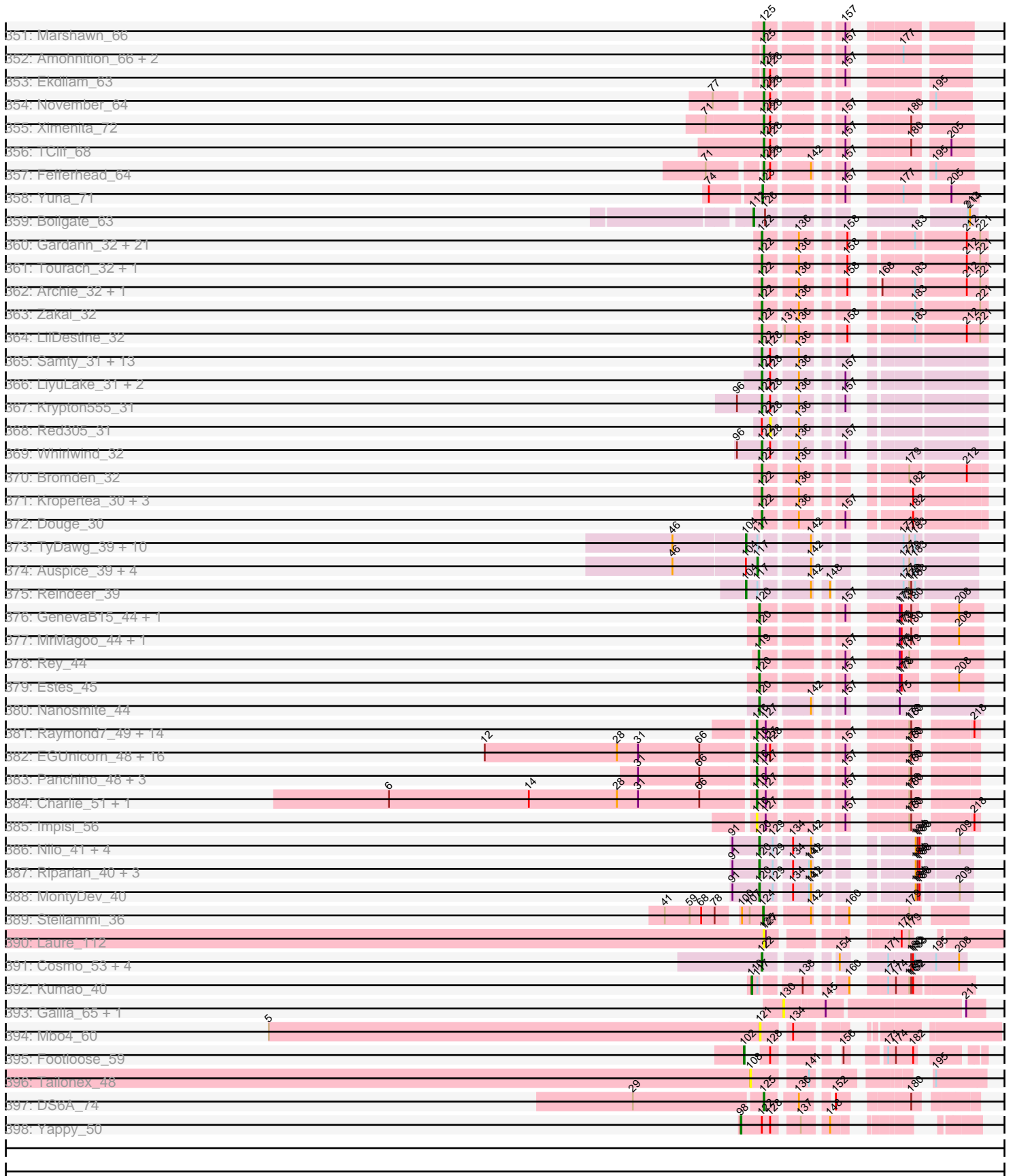
Pham 310997



Pham 310997



Pham 310997



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 310997 Report

This analysis was run 06/27/26 on database version 652.

Pham number 310997 has 1204 members, 148 are drafts.

Phages represented in each track:

- Track 1 : Gompeii16_61, Bircsak_61, Agaliana_56, Francis47_60
- Track 2 : Ohno789_62, Dreamboat_63, PherrisBueller_61, Jasper_62
- Track 3 : Monet_65, Marchy_56, Payneful_60, Puppet_60
- Track 4 : Peterson_66, Lesedi_58
- Track 5 : Gwendoluna_65
- Track 6 : Buttons_59, Kenmech_65, HarryOW_60, KSSJEB_62, Papez_64, Aeneas_65, PattyP_64, Fushigi_58, Pita2_63, Fascinus_56, PhrostyMug_62, Pippin_62, Espresso_59
- Track 7 : PacerPaul_61
- Track 8 : Sagefire_64, Swole_63, Marge_59, Hami1_57, Phlippers_58, BarrowTuph_63, Rajelicia_62, Ashballer_65, QTRlifeCrisis_62, A6_54, CartmannCramer_60, ConceptII_64, Gandalf20_64, Violet_60, Blesser_58, Smairt_64, Abbysshoes_63, BigPaolini_59, PascalRango_60, Dussy_62, Chanagan_56, CactusRose_62, Perseus_61, GroundGoblin_59, Aldrich_58, Mule_59, Nerujay_64, JuliaChild_63, Licorice_63, Doom_60, PSullivan_60, LilBib_62, Edtherson_61, Noxious_61, KikiBouba_61, CatBus_58, BaconJack_66, ChristmasHams_56, LunarLander_62, Norz_62, GrecoEtereo_61, BK1_54, Hermia_60, Tote_58, Bigfoot_54, Ciao_60, DirtDevil_60
- Track 9 : Pelly_63, Homines_54, SpikeBT_60, MaryBeth_60, Jerm2_64, Corvo_63, MrGordo_64, PinkPlastic_62, GageAP_63, Alsfro_68, Barriga_65, Solon_61, Bxb1_56, Petruchio_62, Niza_64, NEHalo_59, Burton_63, Ajay_62, Graduation_66, Froghopper_60, Big3_63, MetalQZJ_59, Whitspit_58, AFIS_58, Ichabod_66, Target_64, Dexes_62, Blackflame_58, Hope4ever_63, Jorgensen_65
- Track 10 : KyMonks1A_65, Tripl3t_65, Sorpresa_59, Sandaddy_58, Magnar_60
- Track 11 : Fajezeel_63, Acme_64, Greg_63, Lamina13_66
- Track 12 : Sumter_58, Turj99_60, Thor_61, Pari_65
- Track 13 : Eyeball_64
- Track 14 : Pinto_62, Rufus_63, Atkinbua_64, Makemake_64
- Track 15 : STLscum_70, Ringer_62
- Track 16 : Zeuska_67
- Track 17 : Trouble_63
- Track 18 : Paraselene_60, Iqorha_57, Inyanga_57
- Track 19 : SarFire_61, Bethlehem_61
- Track 20 : Pepe_60
- Track 21 : Naira_64, Fenn_64
- Track 22 : Mryolo_58
- Track 23 : Arcanine_64, Slagathor_64, TwoPeat_63

- Track 24 : PhineBark_62, Levia_60
- Track 25 : Dulcie_62, DrFeelGood_58, Ruotula_64, Traft412_64
- Track 26 : StewieG_57
- Track 27 : Rutherferd_64, Rhynn_60
- Track 28 : Gyzlar_57, Rubeus_60
- Track 29 : Abrogate_610
- Track 30 : BPBiebs31_64
- Track 31 : Wheeler_64, Michley_65
- Track 32 : Marsha_61
- Track 33 : Oogway_61
- Track 34 : Marcell_58
- Track 35 : MilleFeuille_63
- Track 36 : Teodoridan_60, Smeagol_64
- Track 37 : PowerRanger_60, Euphoria_60
- Track 38 : ILeeKay_64, Bigchunggi_61, Kanely_63, Altman_64, McSinger_60, Snazzy_60, ShortQueendom_56
- Track 39 : Dynamix_64
- Track 40 : Alvin_62
- Track 41 : DD5_60, Lockley_59
- Track 42 : Mkhuseleli_58
- Track 43 : Kugel_64
- Track 44 : Sanya_57
- Track 45 : Blue_61
- Track 46 : Squee_63
- Track 47 : Anglerfish_62, Manatee_62
- Track 48 : RidgeCB_61
- Track 49 : Maroc7_59
- Track 50 : EnzoK_62
- Track 51 : JC27_65
- Track 52 : Marco3_65
- Track 53 : BeesKnees_64
- Track 54 : Treddle_63
- Track 55 : Sunshine924_67
- Track 56 : Applejack_60
- Track 57 : Lopton_60
- Track 58 : Magnito_60
- Track 59 : Gachnar_62
- Track 60 : Kimba_57, Bud_57, Jabith_58, Mulciber_57, Hutc2_57, Orange_57, Gilberta_58, Wolpertinger_56, Insomnia_58, TinyTimmy_57, Ebony_57, Munch_58, Flaverint_58, Fibonacci_57, Bowtie_58, Et2Brutus_56, Joselito_58, Sham4_57, Snape_57, Salz_56, Timothy_57, Aneem_58, Lucivia_58, Petersenfast_56
- Track 61 : MaCh_58, Bachome_59
- Track 62 : Saskia_58, Mabel_57
- Track 63 : Pharaoh_53
- Track 64 : Refuge_56, Zimmer_55
- Track 65 : Steamy_54
- Track 66 : DarthPhader_54
- Track 67 : Phlei_47
- Track 68 : Rosalind_62, Looper_63, Remus_64, Epsocamisio_61, LastResort_62, Waits_64, ReMo_62, JSwag_63, Strosahl_64
- Track 69 : Anon_61
- Track 70 : Boohoo_64, Anaysia_64, Nebulosus_62
- Track 71 : Battleship_66, ShayRa_64, Soups_64, Switzerland_63, DekHockey33_65

- Track 72 : Oofda_65, Warrior24_66
- Track 73 : MinecraftSteve_64, KatherineG_64, Ravana_66
- Track 74 : LogiBear_62
- Track 75 : Nedarya_60
- Track 76 : PainterBoy_59
- Track 77 : Lucyedi_59
- Track 78 : EagleEye_60
- Track 79 : 40AC_59
- Track 80 : Adzzy_59
- Track 81 : Benvolio_55, ChipMunk_60, FiringLine_58, Echild_58, Power_57, EvilGenius_60, Jerm_60, Dignity_60, Whabigail7_59, Leviathan_60, Agape74_60, Smeagan_61, SnapTap_58, LilTurb_59, SemperFi_59, Crucio_58, KingCyrus_60, QueenBeesly_58
- Track 82 : Georgie2_59, AbbyPaige_60, SweetiePie_58, Turbido_59
- Track 83 : L5_56, Koduck_59
- Track 84 : Larenn_57, Malec_58
- Track 85 : NothingSpecial_56
- Track 86 : Caraxes_58, Odin_56, Superchunk_56
- Track 87 : Duplo_60, StarStuff_60, DBQu4n_60, Pomar16_60, D32_59, Naji_60, Kerberos_60, Travvers_60, D29_56, Tomathan_60
- Track 88 : Che12_59
- Track 89 : LionsBait_60, HippoHollow_58
- Track 90 : Buggy_60
- Track 91 : Anselm_59, DudeLittle_57, Dalmatian_59, Retro23_59
- Track 92 : Miko_55
- Track 93 : Rachaly_57, BobSwaget_54, Lokk_55
- Track 94 : QueenB2_57, Heffalump_57, Fameo_58
- Track 95 : Journey13_52
- Track 96 : Bradman_57, MajorMajor_57, Jsquared_56, Quokka_56
- Track 97 : Ph8s_59
- Track 98 : Serenity_58
- Track 99 : C3_56, VC3_61, AN9_61, ANI8_61
- Track 100 : SwirlSquare_61
- Track 101 : Acolyte_53
- Track 102 : MissWhite_57
- Track 103 : Herbertwm_56
- Track 104 : TopsytheTRex_54
- Track 105 : Anthony_54
- Track 106 : FatCactus_50
- Track 107 : Arissanae_57
- Track 108 : SheaKeira_56
- Track 109 : Spouty_58, Onglai_56, Beemo_58, Qobbit_58, Phaeder_58, Conquerage_58, Scherzo_58, Ayanochan_59, Lilleskat_56, Priya_58, Eidsmoe_58, Myxus_58, HortumSL17_58, Catalina_59, Aliter_58, RyeScarlet_59, Alma_58, Phonnegut_58, Fayely_58, Pioneer_58, Sachima_55, EmyBug_57, Ugenie5_55, Tubs_58, Jiawan_56, PackMan_57
- Track 110 : MegTheThird_57
- Track 111 : Elephantoon_57
- Track 112 : DreamTeam1_56, Klodlith_57, Charm_56
- Track 113 : Maminiaina_57, BogosyJay_57
- Track 114 : CogOmlette_57, Rahalelujah_58, WorldCup_57, Minispark_57, Bellris_57
- Track 115 : ExplosioNervosa_58

- Track 116 : Celestiallunch_57
- Track 117 : Yecey3_59
- Track 118 : LoneWolf_59
- Track 119 : Vanisoa_58
- Track 120 : Darrell_60
- Track 121 : Toaka_58
- Track 122 : Keziacharles14_58
- Track 123 : Indulamithi_37
- Track 124 : Michkear_34
- Track 125 : ThursdayNight_37
- Track 126 : JohnDoe_33, Cyan_33, Joemato_33, Simpson_35
- Track 127 : Kaylissa_33, Nitro_33, JuneStar_33, Pumpkins_33, TforTroy_34, YesChef_33, Lizalica_32, Powerpuff_35
- Track 128 : MissSwiss_32, PandaPo_32
- Track 129 : Tutumahutu_33, Flutur_33, Warda_33, Tbone_32
- Track 130 : Berrie_34
- Track 131 : Tallboi_33
- Track 132 : DrSierra_32
- Track 133 : Adumb2043_32, Turab_32
- Track 134 : Niobe_34, Jstan_36, Skelbel_35, Elezi_34, Asa16_34, Subaru_35, London_34, Eraser_34
- Track 135 : Cassia_34
- Track 136 : Adolin_32
- Track 137 : Amploria_32, AEgle_32
- Track 138 : AGrandiflora_34
- Track 139 : Janeemi_35, Lego_33
- Track 140 : Wildwest_33
- Track 141 : Ascela_34, Iter_34
- Track 142 : Tuck_36, Phives_35, Community_34
- Track 143 : KeAlii_33
- Track 144 : Yang_33, Schaffner_33
- Track 145 : Amyev_33, Tian_33, Pixelle_33
- Track 146 : ObiToo_36, Crewmate_37
- Track 147 : Mudpuppy_32
- Track 148 : Sue2_34
- Track 149 : Reedo_32
- Track 150 : IttyBittyPiggy_33
- Track 151 : DrManhattan_32
- Track 152 : VResidence_33
- Track 153 : MaGuCo_34, Maureen_36
- Track 154 : Tweety19_33, Snek_33
- Track 155 : LadyAstra_41, Origami_41
- Track 156 : JohnThicc_42, FiveHead_43
- Track 157 : AceofSpades_40
- Track 158 : Emotion_38
- Track 159 : ShakeltOph_39, JasmineDragon_39, MiniMommy_40
- Track 160 : VroomVroom_39
- Track 161 : Stuu_31, Giorgio_31, Mysterium_31, Gumpizza_31
- Track 162 : Gambol_31, Sooty_31, Cappuccino_31, Sabourin_31
- Track 163 : Kalimba_31
- Track 164 : Donkey_31
- Track 165 : Moss_31
- Track 166 : Ashes_31, Halsey_31, Beaupre_31

- Track 167 : SpecialK_31
- Track 168 : RockScotty_31
- Track 169 : AinMach_35
- Track 170 : Thonko_81
- Track 171 : ScoobyDoobyDoo_73
- Track 172 : Geeche_123, Miskis_120, Culver_125, Dusty_122, Norvs_124, Aphelion_125, Abscondus_124, ClubL_125, Lozinak_125, Smoothie_126
- Track 173 : Bachita_128, Cucurbita_126, Toniann_125, Engineer_127, PhinkBoden_125
- Track 174 : WilliamBoone_123
- Track 175 : OneUp_110
- Track 176 : BrutonGaster_100
- Track 177 : DinoDaryn_63, Huffy_63
- Track 178 : Banquo_62
- Track 179 : Goib_64, Splinter_63, TZGordon_64, Vendetta_63
- Track 180 : TinaLin_62
- Track 181 : Gspat1_55
- Track 182 : Dardanus_57
- Track 183 : Catfish_63
- Track 184 : JonJames_133, Yvonnetastic_129
- Track 185 : Cardigan_134
- Track 186 : DatBoi_82
- Track 187 : Bantam_85, SpeedDemon_860
- Track 188 : Mollymur_85
- Track 189 : Daredevil_75, Towmatter_75
- Track 190 : CherryTomatoes_78, SCentae_76, Pupper_77
- Track 191 : Skog_140
- Track 192 : Sephiroth_110
- Track 193 : Octobien14_110
- Track 194 : Kudfre_114
- Track 195 : Syleon_115
- Track 196 : LilJank_109, Trax_113
- Track 197 : Rabbitrun_113
- Track 198 : Neville_111
- Track 199 : Stark_38, Policronamos_37, Maxxinista_38, Moldemort_38, Emmina_38, Gage_39, HufflyPuff_36, Petra64142_39, FireRed_37, DrDrey_38, MollyToe_37, Czyszczo1_38, StellaBean_37, FairyPath_37, Elph10_38, TBrady12_39, Buck_36, Kostya_38, FoghornLeghorn_36, Kanye_39, TeardropMSU_36, Goldilocks_38, Thresher_38, GoldenSpark_39, Sassay_36, Cactus_38, 244_39, Argent26_39, StormChicken_37, BugsBunny_35, HanKaySha_38, MISSy_36, Manda_38, Nimrod_37, Rakim_38, MadamMonkfish_37, Easy2Say_39, BilboSwaggins_37, Myrale_37, Dumbo_37, Becksu_37, TeamEdward_37, SophKB_37, YassJohnny_38, Tarkin_39, GooberAzure_39, Miniwave_37, Greep_38, RiverMonster_37, PhatBacter_37, Highbury_38, Command613_38, JeTaimie_39, Icee_36, Teaspoon_38, MPhalcon_36, CrystalP_37, Kimchi_39, Asriel_36, Liveloughbron_38, Saints25_38, Bask21_37, Stank_40, StolenFromERC_39, Tuco_38, Quallification_38, NonchalantPear_37, NoSleep_38, Traaww1_35, Filch_38, Barbarian_36, Palpatine_37, Toto_37, Sotrice96_37, NelitzaMV_37, Terminus_37, AmericanBeauty_39, Murphy_38, Bench_39, Gator_35, Paperbeatsrock_39, Hoonter_39, OrionPax_38, Elite2014_36, Misfit_37, Hopey_39, Wiggin_40, Ptowny_38, Simpliphy_38, Ukulele_37, ChosenOne_37, ABCat_36, Bruin_37, Willez_36, Adnama_40, Gemini_40, Cjw1_37, Thimble_37, Lilac_39, PaddyBaddy_38, Nala_37, Phrux_37, Marshmallow_37, ShamWow_37, Porky_37,

Pumpkin_39, Lilpickle_36, xkcd_38, Lilizi_39, Rimmer_36, Phaux_36, Xandras_39, Pharsalus_38, Murica_36, Inca_36

- Track 200 : Harella_36, Tomaszewski_36, SirDuracell_36, Glexan_35, Flypotenuse_35, BadStone_36, ChotaBhai_37, DoctorDiddles_37, Daikon_36, Youngblood_37, Contagion_36, Mindy_37, Dusk_36, Mosby_36, Amao_37, BigBubba_38, Brewer_37, Pat3_36, Holt_38, Cookies_37, Balomoji_36, Henry_38
- Track 201 : Bogg_38, BaboJay_37, Eureka_38, Goku_38
- Track 202 : Budgie_39
- Track 203 : GardenState_42, IAmGroot_42
- Track 204 : Floof_43
- Track 205 : SuMoo_44
- Track 206 : Cen1621_38
- Track 207 : Percival_43
- Track 208 : SuperHands_41, Forester_41, Gretchen_42
- Track 209 : Zeta1847_35
- Track 210 : Honk_39
- Track 211 : Barnstormer_41, UtzChips_41
- Track 212 : Mabodamaca_42
- Track 213 : Caron_44
- Track 214 : EugeneKrabs_9, Zhengyi_9
- Track 215 : KingKamren_9
- Track 216 : Unphazed_9, DumpQuist_9
- Track 217 : MiamiPanther_9, JessellCookie_9
- Track 218 : HitchHiker_10, Oatly_9, Biozilla_9
- Track 219 : CrunchyBoi_10, PineapplePluto_10
- Track 220 : Corn21_9
- Track 221 : Alex44_9, Stormbreaker_9
- Track 222 : Phogo_9, Dashyla_9, Xitlalli_9, SwissCheezer_9
- Track 223 : Sorvannah_9, YellowPanda_9, Wesak_9, Salvatore2000_9
- Track 224 : Conditioner_9
- Track 225 : Birdfeeder_9
- Track 226 : LilyLou_9
- Track 227 : TicTac_9
- Track 228 : Pabst_9
- Track 229 : ArMaWen_9
- Track 230 : TinyTimothy_9
- Track 231 : ThirteenKH_9, TrippleS_9, Mazun_9
- Track 232 : RicoCaldo_9
- Track 233 : Barroma_9, JordanFarm_9, Truong_9, ShyRosie_9
- Track 234 : Ashton_9, Waterlily_9, Akoni_9
- Track 235 : Keough_9, Astartes_9, PhriedRice_9, Moleficent_9
- Track 236 : StagePhright_9, Fullmetal_9, Phracted_9, Phedro_9, Pharky_9
- Track 237 : JimmyPG_9
- Track 238 : Atraxi_9, Morrill_9
- Track 239 : Yafa_9
- Track 240 : Fede_9, Kosier_9
- Track 241 : SoilSleuth_9
- Track 242 : AloeVera_9
- Track 243 : Count_87
- Track 244 : MissAmericana_7
- Track 245 : Kimchi1738_51, Cruella_50, C3PO_50
- Track 246 : Zion_52, PeteyPab_51, PotatoChip_52
- Track 247 : Darwin_54

- Track 248 : Stickynote_52
- Track 249 : Pollywog_85
- Track 250 : Patbob_107, FrostedClock_111, Talia1610_108, Racecar_109, FloraSnap32_108, Bloom_112, Mimi_108, GoldenEssence_94
- Track 251 : WaddleDee_95, Ellewin_96, Artu_100, DunneganBoMo_97, Emmetator_100, BooTeria_104
- Track 252 : LeoJr_107, Atuin_102
- Track 253 : Rockabye_113
- Track 254 : Chilliams_107
- Track 255 : Panchaali_99
- Track 256 : Phrampa_101
- Track 257 : ReginaGlobina_107
- Track 258 : SJReid_112
- Track 259 : Stewart25555_99
- Track 260 : KSunshine22_102
- Track 261 : Vitus_40
- Track 262 : BlackJade_54
- Track 263 : GoldDust_40, Gooberta_40
- Track 264 : SunnyJune_47
- Track 265 : AirForce1_46
- Track 266 : Divya_48
- Track 267 : Vibaki_39, Music_39
- Track 268 : Orkz_49
- Track 269 : Jinkies_45
- Track 270 : Hirko_38
- Track 271 : Elfy_29
- Track 272 : Gerri43_3, ChipsNGuac_3, CardboardBox_3, Neuville_3, Roberts_3, AnnabelLee_3, ChamoyPickle_3
- Track 273 : TMaxx_3
- Track 274 : Ezurina_2
- Track 275 : LastNadiia_6
- Track 276 : Makima_4
- Track 277 : TripleC_6
- Track 278 : Mireles_3
- Track 279 : Agamoto_5
- Track 280 : Audell_6
- Track 281 : Studio_2
- Track 282 : WaterT_52, LeeroyJenkins_54
- Track 283 : BarnCat_46
- Track 284 : Lifes_48
- Track 285 : Cassita_54
- Track 286 : Dodo_214, A3Wally_218
- Track 287 : PauloDiaboli_218
- Track 288 : Big4_204, Zooman_185
- Track 289 : Erasmago_208
- Track 290 : Cece_195
- Track 291 : Pumpnickel_201
- Track 292 : Stuck_65, Shweta_51
- Track 293 : Bluvara_58
- Track 294 : Halley_52, HokkenD_45, EricMillard_52, Beem_52, Bagrid_51, Yeet_50, Ejimix_52, ThreeRngTarjay_50, Kalah2_52, Hughesyang_50, BAKA_56
- Track 295 : JuicyJay_54, Klein_52, DmpstrDiver_53, Schatzie_49, Odette_52

- Track 296 : Omega_56, Porcelain_50, Lucky2013_51, Ariel_51, LittleE_56, MiaZeal_51, Thibault_45, Courthouse_51, Nekros_50, Superphikiman_51
- Track 297 : Nibley_46, Redno2_50, Dallas_54, Zelink_53
- Track 298 : Minerva_58, Pound_54, Wanda_58, Bombitas_49, NihilNomen_51, Duke13_55, Optimus_57, Phoebus_51
- Track 299 : Xiaokay_47, Dove_49, Constella_44
- Track 300 : Rearden_46
- Track 301 : Bobby_51, Hannaconda_48, KashFlow_45
- Track 302 : Eevee_51, JoyLin_51, Yotsuba_51
- Track 303 : Sweetclover_51
- Track 304 : Pippin15_52
- Track 305 : Serenabean_52
- Track 306 : Daddyjeff_52, AddiRose_51
- Track 307 : Hyperbowlee_66, Zavala_69, CaseJules_68, DrHayes_67, Tachez_66, Ramen_67, Homura_66, Pokerus_66, Clipper_70, Spock_66, Rosmarinus_66, Lunahalos_66, ActinUp_66, Joy99_66, Padpat_69, Peel_66, Belladonna_66, Padfoot_66, Angelica_66, Jayhawk_68, Deby_67, CallaLilly_66, Jeckyll_66, HedwigODU_66, Geraldini_69, Veliki_68, BGIluviae_66, Inky_66, Durfee_66, TiniBug_67, Blizzard_66, Llorens_66, Zabiza_61, Rapunzel97_68, YoureAdopted_66, Piatt_66, Beezoo_68, Mynx_68, Asayake_66, Ganymede_66, AlishaPH_66, Pisa4_60, Anma_68, Twitch_66, Jarvi_66, Emerson_68, Adephegia_66, Urkel_67, BarrelRoll_67, Pisa1_66, Boiii_66, Bella96_67, ShiaSurprise_67, CREW_66, DartGoblin_68, TruffulaTree_67, JAWS_67, Atiba_67, QuincyRose_64, Capricorn_66, Sulley_66, SamuelLPlaqson_67, Slimphazie_67, MeaningOfLife_67, Adonis_66, MacKat_62, Topper_66, Dalmuri_66, BEEST_66
- Track 308 : SgtBeansprout_56, Torres_58, Trice_55, Enkosi_57, Amelie_55, Nutello_55, Binglebops_55, Teejan_57, Mdavu_56, LilPharaoh_56, Nikao_58
- Track 309 : Efra2_72
- Track 310 : Megsy_69
- Track 311 : CheetoDust_66, BaghaKamala_66, Bern_68
- Track 312 : TingHuaYa_70, LastHope_71
- Track 313 : TreyKay_68, LindNT_66, CrimD_68, Prithvi_68
- Track 314 : Curiosium_70
- Track 315 : Guanica15_71, Yunkel11_71
- Track 316 : Stinson_68, Devera_74, Murucutumbu_68, LaterM_67, Ageofdapage_70, Illumine_72, Dole_72
- Track 317 : Apocalypse_69
- Track 318 : Validus_71
- Track 319 : TaiwanKao_69
- Track 320 : Scarlett_71, Oscar_70, KiSi_71
- Track 321 : Shaobing_69, McMater_69, Niklas_69, Peanam_69, Richo_69, Dartin_69
- Track 322 : LeMond_70
- Track 323 : Chris_69
- Track 324 : Anaya_69
- Track 325 : Nibb_69
- Track 326 : MarkPhew_69
- Track 327 : Chavito_69
- Track 328 : Tiri_67
- Track 329 : Marcoliusprime_69, DismalFunk_69, DismalStressor_69
- Track 330 : Milly_69, Strobilo_70, Findley_69, Doughnut_69
- Track 331 : ZoeJ_68
- Track 332 : BoostSeason_69

- Track 333 : Mufasa_69
- Track 334 : TM4_67
- Track 335 : Lea83_68, ShedlockHolmes_69, Hurricane_68
- Track 336 : Pixie_67, TBond007_64
- Track 337 : MacnCheese_70
- Track 338 : Pharb_67, TribbleTrouble_68
- Track 339 : MissDaisy_67
- Track 340 : Miryou_64, OkiRoe_61, Gengar_60
- Track 341 : Edugator_59, Leston_60, Dadosky_62, Paola_60, Psycho_60, Guillsminger_61, Neighly_62, AlleyCat_62, Larva_61
- Track 342 : Collard_58, DoubleChamp_57, Kratio_58, Agent47_60, BananenDer11_60, ViviJ_59, LilDirt_59, InvictusManeo_58
- Track 343 : Thyatira_63, SoSeph_61, Feyre_63, Heftyboy_61, Waterfoul_62
- Track 344 : Rando14_62
- Track 345 : Omnicron_64
- Track 346 : Shadow1_71, Tigress9_71, Syra333_70, Sunflower1121_72
- Track 347 : Unicorn_68, PhelpsODU_68
- Track 348 : Ellie_62, Lavahound_64, Applecrisp_63
- Track 349 : SirPhilip_66
- Track 350 : Bryler_70, Tierra_70, Cain_70, Phrank_70
- Track 351 : Marshawn_66
- Track 352 : Amohntion_66, Hammy_66, DarthP_66
- Track 353 : Ekdilam_63
- Track 354 : November_64
- Track 355 : Ximenita_72
- Track 356 : TClif_68
- Track 357 : Fefferhead_64
- Track 358 : Yuna_71
- Track 359 : Boilgate_63
- Track 360 : Gardann_32, Breezona_32, Underpass_32, Winky_32, Vetricx_32, Faith1_32, OverPar_32, Crossroads_32, Gabriela_32, DrSeegs_32, Finemlucis_32, MkaliMitinis3_32, Itos_32, Netyap_32, Wilder_32, Loadrie_32, BigCheese_32, BobsGarage_32, GuuelaD_32, Miley16_32, Wigglewiggle_32, Nicholasp3_32
- Track 361 : Tourach_32, Baoshan_31
- Track 362 : Archie_32, Bazzle_32
- Track 363 : Zakai_32
- Track 364 : LilDestine_32
- Track 365 : Samty_31, Clautastrophe_31, Jubie_31, Kingsolomon_31, TriFive_31, Nicholas_31, Lumos_31, MiniLon_31, MiniMac_31, Snenia_31, Finnry_31, MsGreen_31, Lolly9_31, Bellis_31
- Track 366 : LiyuLake_31, Ellson_31, DuncansLeg_31
- Track 367 : Krypton555_31
- Track 368 : Red305_31
- Track 369 : Whirlwind_32
- Track 370 : Bromden_32
- Track 371 : Kropertea_30, ChutneyChips_31, Chaser_30, DyoEdafos_31
- Track 372 : Douge_30
- Track 373 : TyDawg_39, Skinny_40, Diminimus_40, Glaske16_40, Bongo_39, LilhomieP_38, Dulcita_40, Bricole_39, IPhane7_39, Izel_40, PegLeg_39
- Track 374 : Auspice_39, SlimJimmy_38, TpudiCK_41, FreakyGoo_40, KleverKiS_40
- Track 375 : Reindeer_39
- Track 376 : GenevaB15_44, Aziz_44
- Track 377 : MrMagoo_44, GardenSalsa_44

- Track 378 : Rey_44
- Track 379 : Estes_45
- Track 380 : Nanosmite_44
- Track 381 : Raymond7_49, BabeRuth_56, Snekmaggedon_49, ShrimpFriedEgg_55, Jamie19_49, Redi_55, PhancyPhin_55, SpongeBob_49, Phrann_52, Spinach_55, Nenae_55, Purgamenstris_55, Hanako_55, Andies_48, Tapioca_52
- Track 382 : EGUnicorn_48, Phloss_48, Tortoise12_49, Melville_53, Gex_50, Schnauzer_51, Magsby_50, Xerxes_50, Pipsqueaks_50, Carcharodon_50, Fulbright_49, Chewbacca_52, Tessdabest_51, Parmesanjohn_50, Silvafighter_51, Duplicity_50, Smurph_50
- Track 383 : Panchino_48, Rubeelu_53, Butters_53, Kevin1_52
- Track 384 : Charlie_51, Bosection6_49
- Track 385 : Impisi_56
- Track 386 : Nilo_41, Zenon_41, Yelo_40, Send513_40, Candle_40
- Track 387 : Riparian_40, Weiss13_40, Rope_40, Papyrus_40
- Track 388 : MontyDev_40
- Track 389 : Stellammi_36
- Track 390 : Laure_112
- Track 391 : Cosmo_53, EniyanLRS_50, Azrael100_52, MaryV_53, Wildcat_53
- Track 392 : Kumao_40
- Track 393 : Gallia_65, P1201_68
- Track 394 : Mbo4_60
- Track 395 : Footloose_59
- Track 396 : Tailonex_48
- Track 397 : DS6A_74
- Track 398 : Yappy_50

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

The start number called the most often in the published annotations is 122, it was called in 241 of the 1056 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_39, A3Wally_218, ABCat_36, Adnama_40, Amao_37, AmericanBeauty_39, Archie_32, Argent26_39, Artu_100, Asriel_36, Atuin_102, Azrael100_52, BAKA_56, BadStone_36, Bagrid_51, Balomoji_36, Baoshan_31, Barbarian_36, Bask21_37, Bazzle_32, Becksu_37, Beem_52, Bellis_31, Bench_39, Big4_204, BigBubba_38, BigCheese_32, BilboSwaggins_37, Bloom_112, Bobby_51, BobsGarage_32, Bombitas_49, BooTeria_104, Breezona_32, Brewer_37, Bromden_32, Bruin_37, Buck_36, Budgie_39, BugsBunny_35, Cactus_38, Cece_195, Chaser_30, CherryTomatoes_78, Chilliams_107, ChosenOne_37, ChotaBhai_37, ChutneyChips_31, Cjw1_37, Clautastrophe_31, Command613_38, Constella_44, Contagion_36, Cookies_37, Cosmo_53, Crossroads_32, CrystalP_37, Czyszczon1_38, Daikon_36, Dallas_54, DmpstrDiver_53, DoctorDiddles_37, Dodo_214, Douge_30, Dove_49, DrDrey_38, DrSeegs_32, Duke13_55, Dumbo_37, DuncansLeg_31, DunneganBoMo_97, Dusk_36, DyoEdafos_31, Easy2Say_39, Ejimix_52, Elite2014_36, Ellewin_96, Ellson_31, Elph10_38, Emmetator_100, Emmina_38, EniyanLRS_50, Erasmago_208, EricMillard_52, FairyPath_37, Faith1_32, Filch_38, Finemlucis_32, Finnry_31, FireRed_37, FloraSnap32_108, Flypotenuse_35, FoghornLeghorn_36, FrostedClock_111, Gabriela_32, Gage_39,

Gardann_32, Gator_35, Gemini_40, Glexan_35, GoldenEssence_94, GoldenSpark_39, Goldilocks_38, GooberAzure_39, Greep_38, GuuelaD_32, Halley_52, HanKaySha_38, Hannaconda_48, Harella_36, Henry_38, Highbury_38, HokkenD_45, Holt_38, Hoonter_39, Hopey_39, HufflyPuff_36, Hughesyang_50, Icee_36, Inca_36, Indlulamithi_37, Itos_32, JeTaime_39, Jubie_31, JuicyJay_54, KSunshine22_102, Kalah2_52, Kanye_39, KashFlow_45, Kimchi_39, Kingsolomon_31, Klein_52, Kostya_38, Kropertea_30, Krypton555_31, LeoJr_107, LilDestine_32, Lilac_39, Lilizi_39, Lilpickle_36, Liveloughbron_38, LiyuLake_31, Loadrie_32, Lolly9_31, Lumos_31, MISSy_36, MPhalcon_36, MaGuCo_34, MadamMonkfish_37, Manda_38, Marshmallow_37, MaryV_53, Maureen_36, Maxxinista_38, Miley16_32, Mimi_108, Mindy_37, Minerva_58, MiniLon_31, MiniMac_31, Miniwave_37, Misfit_37, MissSwiss_32, MkaliMitinis3_32, Moldemort_38, MollyToe_37, Mosby_36, MsGreen_31, Murica_36, Murphy_38, Myrale_37, Nala_37, NelitzaMV_37, Netyap_32, Nibley_46, Nicholas_31, Nicholasp3_32, NihilNomen_51, Nimrod_37, NoSleep_38, NonchalantPear_37, Odette_52, Optimus_57, OrionPax_38, Orkz_49, OverPar_32, PaddyBaddy_38, Palpatine_37, Panchaali_99, PandaPo_32, Paperbeatsrock_39, Pat3_36, Patbob_107, PauloDiaboli_218, Petra64142_39, Pharsalus_38, PhatBacter_37, Phaux_36, Phoebus_51, Phrampa_101, Phrux_37, Policronamos_37, Porky_37, Pound_54, Ptowny_38, Pumpnickel_201, Pumpkin_39, Pupper_77, Quallification_38, Racecar_109, Rakim_38, Rearden_46, Redno2_50, ReginaGlobina_107, Rimmer_36, RiverMonster_37, Rockabye_113, SCentae_76, SJReid_112, Saints25_38, Samty_31, Sassay_36, Schatzie_49, ShamWow_37, Simpliphy_38, SirDuracell_36, Skog_140, Snenia_31, SophKB_37, Sotrice96_37, Stank_40, Stark_38, StellaBean_37, Stewart25555_99, StolenFromERC_39, StormChicken_37, TBrady12_39, TMaxx_3, Talia1610_108, Tarkin_39, TeamEdward_37, TeardropMSU_36, Teaspoon_38, Terminus_37, Thimble_37, ThreeRngTarjay_50, Thresher_38, Tomaszewski_36, Toto_37, Tourach_32, Traaww1_35, TriFive_31, Tuco_38, Ukulele_37, Underpass_32, VResidence_33, Vetrax_32, WaddleDee_95, Wanda_58, Whirlwind_32, Wigg_40, Wigglewiggle_32, Wildcat_53, Wilder_32, Willez_36, Winky_32, Xandras_39, Xiaokay_47, YassJohnny_38, Yeet_50, Youngblood_37, Zakai_32, Zelink_53, Zooman_185, xkcd_38,

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

- Agamoto_5, Jinkies_45, Red305_31, Yappy_50,

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

- 40AC_59, A6_54, AEgle_32, AFIS_58, AGrandiflora_34, AN9_61, ANI8_61, AbbyPaige_60, Abbyshoes_63, Abrogate_610, Abscondus_124, AceofSpades_40, Acme_64, Acolyte_53, ActinUp_66, AddiRose_51, Adephagia_66, Adolin_32, Adonis_66, Adumb2043_32, Adzzy_59, Aeneas_65, Agaliana_56, Agape74_60, Agent47_60, Ageofdapage_70, AinMach_35, AirForce1_46, Ajay_62, Akoni_9, Aldrich_58, Alex44_9, AlishaPH_66, Aliter_58, AlleyCat_62, Alma_58, AloeVera_9, Alsfro_68, Altman_64, Alvin_62, Amelie_55, Amohnton_66, Amploria_32, Amyev_33, Anaya_69, Anaysia_64, Andies_48, Aneem_58, Angelica_66, Anglerfish_62, Anma_68, AnnabelLee_3, Anon_61, Anselm_59, Anthony_54, Aphelion_125, Apocalypse_69, Applecrisp_63, Applejack_60, ArMaWen_9, Arcanine_64, Ariel_51, Arissanae_57, Asa16_34, Asayake_66, Ascela_34, Ashballer_65, Ashes_31, Ashton_9, Astartes_9, Atiba_67, Atkinbua_64, Atraxi_9, Audell_6, Auspice_39, Ayanochan_59, Aziz_44, BEEST_66, BGIlluviae_66, BK1_54, BPBiabs31_64, BabeRuth_56, BaboJay_37, Bachita_128, Bachome_59, BaconJack_66, BaghaKamala_66, BananenDer11_60, Banquo_62, Bantam_85,

BarnCat_46, Barnstormer_41, BarrelRoll_67, Barriga_65, Barroma_9, BarrowTuph_63, Battleship_66, Beaupre_31, Beemo_58, BeesKnees_64, Beezoo_68, Bella96_67, Belladonna_66, Bellris_57, Benvolio_55, Bern_68, Berrie_34, Bethlehem_61, Big3_63, BigPaolini_59, Bigchungji_61, Bigfoot_54, Binglebops_55, Biozilla_9, Bircsak_61, Birdfeeder_9, BlackJade_54, Blackflame_58, Blesser_58, Blizzard_66, Blue_61, Bluvara_58, BobSwaget_54, Bogg_38, BogosyJay_57, Boiiii_66, Boilgate_63, Bongo_39, Boohoo_64, BoostSeason_69, Bosection6_49, Bowtie_58, Bradman_57, Bricole_39, BrutonGaster_100, Bryler_70, Bud_57, Buggy_60, Burton_63, Butters_53, Buttons_59, Bxb1_56, C3PO_50, C3_56, CREW_66, CactusRose_62, Cain_70, CallaLilly_66, Candle_40, Cappuccino_31, Capricorn_66, Caraxes_58, Carcharodon_50, CardboardBox_3, Cardigan_134, Caron_44, CartmannCramer_60, CaseJules_68, Cassia_34, Cassita_54, CatBus_58, Catalina_59, Catfish_63, Celestialunch_57, Cen1621_38, ChamoyPickle_3, Chanagan_56, Charlie_51, Charm_56, Chavito_69, Che12_59, CheetoDust_66, Chewbacca_52, ChipMunk_60, ChipsNGuac_3, Chris_69, ChristmasHams_56, Ciao_60, Clipper_70, ClubL_125, CogOmlette_57, Collard_58, Community_34, Conceptll_64, Conditioner_9, Conquerage_58, Corn21_9, Corvo_63, Count_87, Courthouse_51, Crewmate_37, CrimD_68, Crucio_58, Cruella_50, CrunchyBoi_10, Cucurbita_126, Culver_125, Curiosium_70, Cyan_33, D29_56, D32_59, DBQu4n_60, DD5_60, DS6A_74, Daddyjeff_52, Dadosky_62, Dalmatian_59, Dalmuri_66, Dardanus_57, Daredevil_75, Darrell_60, DartGoblin_68, DarthP_66, DarthPhader_54, Dartin_69, Darwin_54, Dashyla_9, DatBoi_82, Deby_67, DekHockey33_65, Devera_74, Dexes_62, Dignity_60, Diminimus_40, DinoDaryn_63, DirtDevil_60, DismalFunk_69, DismalStressor_69, Divya_48, Dole_72, Donkey_31, Doom_60, DoubleChamp_57, Doughnut_69, DrFeelGood_58, DrHayes_67, DrManhattan_32, DrSierra_32, DreamTeam1_56, Dreamboat_63, DudeLittle_57, Dulcie_62, Dulcita_40, DumpQuist_9, Duplicity_50, Duplo_60, Durfee_66, Dussy_62, Dusty_122, Dynamix_64, EGUnicorn_48, EagleEye_60, Ebony_57, Echild_58, Edtherson_61, Edugator_59, Eevee_51, Efra2_72, Eidsmoe_58, Ekdilam_63, Elephantoon_57, Elezi_34, Elfy_29, Ellie_62, Emerson_68, Emotion_38, EmyBug_57, Engineer_127, Enkosi_57, EnzoK_62, Epsocamisio_61, Eraser_34, Espresso_59, Estes_45, Et2Brutus_56, EugeneKrabs_9, Euphoria_60, Eureka_38, EvilGenius_60, ExplosioNervosa_58, Eyeball_64, Ezurina_2, Fajezeel_63, Fameo_58, Fascinus_56, FatCactus_50, Fayely_58, Fede_9, Fefferhead_64, Fenn_64, Feyre_63, Fibonacci_57, Findley_69, FiringLine_58, FiveHead_43, Flaverint_58, Floof_43, Flutur_33, Footloose_59, Forester_41, Francis47_60, FreakyGoo_40, Froghopper_60, Fulbright_49, Fullmetal_9, Fushigi_58, Gachnar_62, GageAP_63, Gallia_65, Gambol_31, Gandalf20_64, Ganymede_66, GardenSalsa_44, GardenState_42, Geeche_123, GenevaB15_44, Gengar_60, Georgie2_59, Geraldini_69, Gerri43_3, Gex_50, Gilberta_58, Giorgio_31, Glaske16_40, Goib_64, Goku_38, GoldDust_40, Gompeii16_61, Gooberta_40, Graduation_66, GrecoEtereo_61, Greg_63, Gretchen_42, GroundGoblin_59, Gsput1_55, Guanica15_71, Guillsminger_61, Gumpizza_31, Gwendoluna_65, Gyzlar_57, Halsey_31, Hami1_57, Hammy_66, Hanako_55, HarryOW_60, HedwigODU_66, Heffalump_57, Heftyboy_61, Herbertwm_56, Hermia_60, HippoHollow_58, Hirko_38, HitchHiker_10, Homines_54, Homura_66, Honk_39, Hope4ever_63, HortumSL17_58, Huffy_63, Hurricane_68, Hutc2_57, Hyperbowlee_66, IAmGroot_42, ILeeKay_64, IPhone7_39, Ichabod_66, Illumine_72, Impisi_56, Inky_66, Insomnia_58, InvictusManeo_58, Inyanga_57, Iqorha_57, Iter_34, IttyBittyPiggy_33, Izel_40, JAWS_67, JC27_65, JSwag_63, Jabith_58, Jamie19_49, Janeemi_35, Jarvi_66, JasmineDragon_39, Jasper_62, Jayhawk_68, Jeckyll_66, Jerm2_64, Jerm_60, JessellCookie_9, Jiawan_56, JimmyPG_9, Joemato_33, JohnDoe_33, JohnThicc_42, JonJames_133, JordanFarm_9,

Jorgensen_65, Joselito_58, Journey13_52, Joy99_66, JoyLin_51, Jsquared_56, Jstan_36, JuliaChild_63, JuneStar_33, KSSJEB_62, Kalimba_31, Kanely_63, KatherineG_64, Kaylissa_33, KeAlii_33, Kenmech_65, Keough_9, Kerberos_60, Kevin1_52, Keziacharles14_58, KiSi_71, KikiBouba_61, Kimba_57, Kimchi1738_51, KingCyrus_60, KingKamren_9, KleverKiS_40, Klodlith_57, Koduck_59, Kosier_9, Kratio_58, Kudetre_114, Kugel_64, Kumao_40, KyMonks1A_65, L5_56, LadyAstra_41, Lamina13_66, Larenn_57, Larva_61, LastHope_71, LastNadiia_6, LastResort_62, LaterM_67, Laure_112, Lavahound_64, LeMond_70, Lea83_68, LeeroyJenkins_54, Lego_33, Lesedi_58, Leston_60, Levia_60, Leviathan_60, Licorice_63, Lifes_48, LilBib_62, LilDirt_59, LilJank_109, LilPharaoh_56, LilTurb_59, LilhomieP_38, Lilleskat_56, LilyLou_9, LindNT_66, LionsBait_60, LittleE_56, Lizalica_32, Llorens_66, Lockley_59, LogiBear_62, Lokk_55, London_34, LoneWolf_59, Looper_63, Lopton_60, Lozinak_125, Lucivia_58, Lucky2013_51, Lucyedi_59, Lunahalos_66, LunarLander_62, MaCh_58, Mabel_57, Mabodamaca_42, MacKat_62, MacnCheese_70, Magnar_60, Magnito_60, Magsby_50, MajorMajor_57, Makemake_64, Makima_4, Malec_58, Maminiaina_57, Manatee_62, Marcell_58, Marchy_56, Marco3_65, Marcoliusprime_69, Marge_59, MarkPhew_69, Maroc7_59, Marsha_61, Marshawn_66, MaryBeth_60, Mazun_9, Mbo4_60, McMatr_69, McSinger_60, Mdavu_56, MeaningOfLife_67, MegTheThird_57, Megsy_69, Melville_53, MetalQZJ_59, MiaZeal_51, MiamiPanther_9, Michkear_34, Michley_65, Miko_55, MilleFeuille_63, Milly_69, MinecraftSteve_64, MiniMommy_40, Minispark_57, Mireles_3, Miryou_64, Miskis_120, MissAmericana_7, MissDaisy_67, MissWhite_57, Mkhuseleli_58, Moleficent_9, Mollymur_85, Monet_65, MontyDev_40, Morrill_9, Moss_31, MrGordo_64, MrMagoo_44, Mryolo_58, Mudpuppy_32, Mufasa_69, Mulciber_57, Mule_59, Munch_58, Murucutumbu_68, Music_39, Mynx_68, Mysterium_31, Myxus_58, NEHalo_59, Naira_64, Naji_60, Nanosmite_44, Nebulosus_62, Nedarya_60, Neighly_62, Nekros_50, Nenae_55, Nerujay_64, Neuville_3, Neville_111, Nibb_69, Nikao_58, Niklas_69, Nilo_41, Niobe_34, Nitro_33, Niza_64, Norvs_124, Norz_62, NothingSpecial_56, November_64, Noxious_61, Nutello_55, Oatly_9, ObiToo_36, Octobien14_110, Odin_56, Ohno789_62, OkiRoe_61, Omega_56, Omnicron_64, OneUp_110, Onglai_56, Oofda_65, Oogway_61, Orange_57, Origami_41, Oscar_70, P1201_68, PSullivan_60, Pabst_9, PacerPaul_61, PackMan_57, Padfoot_66, Padpat_69, PainterBoy_59, Panchino_48, Paola_60, Papez_64, Papyrus_40, Paraselene_60, Pari_65, ParmesanJohn_50, PascalRango_60, PattyP_64, Payneful_60, Peanam_69, Peel_66, PegLeg_39, Pelly_63, Pepe_60, Percival_43, Perseus_61, Petersenfast_56, Peterson_66, PeteyPab_51, Petruchio_62, Ph8s_59, Phaeder_58, PhancyPhin_55, Pharaoh_53, Pharb_67, Pharky_9, Phedro_9, PhelpsODU_68, PherrisBueller_61, PhineBark_62, PhinkBoden_125, Phives_35, Phlei_47, Phlippers_58, Phloss_48, Phogo_9, Phonnegut_58, Phracted_9, Phrank_70, Phrann_52, PhriedRice_9, PhrostyMug_62, Piatt_66, PineapplePluto_10, PinkPlastic_62, Pinto_62, Pioneer_58, Pippin15_52, Pippin_62, Pipsqueaks_50, Pisa1_66, Pisa4_60, Pita2_63, Pixelle_33, Pixie_67, Pokerus_66, Pollywog_85, Pomar16_60, Porcelain_50, PotatoChip_52, PowerRanger_60, Power_57, Powerpuff_35, Prithvi_68, Priya_58, Psycho_60, Pumpkins_33, Puppet_60, Purgamenstris_55, QTRlifeCrisis_62, Qobbit_58, QueenB2_57, QueenBeesly_58, QuincyRose_64, Quokka_56, Rabbitrun_113, Rachaly_57, Rahalelujah_58, Rajelicia_62, Ramen_67, Rando14_62, Rapunzel97_68, Ravana_66, Raymond7_49, ReMo_62, Redi_55, Reedo_32, Refuge_56, Reindeer_39, Remus_64, Retro23_59, Rey_44, Rhynn_60, Richo_69, RicoCaldo_9, RidgeCB_61, Ringer_62, Riparian_40, Roberts_3, RockScotty_31, Rope_40, Rosalind_62, Rosmarinus_66, Rubeelu_53, Rubeus_60, Rufus_63, Ruotula_64, Rutherford_64, RyeScarlet_59, STLscum_70, Sabourin_31,

Sachima_55, Sagefire_64, Salvatore2000_9, Salz_56, SamuelLPlaqson_67, Sandaddy_58, Sanya_57, SarFire_61, Saskia_58, Scarlett_71, Schaffner_33, Scherzo_58, Schnauzer_51, ScoobyDoobyDoo_73, SemperFi_59, Send513_40, Sephiroth_110, Serenabean_52, Serenity_58, SgtBeansprout_56, Shadow1_71, ShakeltOph_39, Sham4_57, Shaobing_69, ShayRa_64, SheaKeira_56, ShedlockHolmes_69, ShiaSurprise_67, ShortQueendom_56, ShrimpFriedEgg_55, Shweta_51, ShyRosie_9, Silvafighter_51, Simpson_35, SirPhilip_66, Skelbel_35, Skinny_40, Slagathor_64, SlimJimmy_38, Slimphazie_67, Smairt_64, Smeagan_61, Smeagol_64, Smoothie_126, Smurph_50, SnapTap_58, Snape_57, Snazzy_60, Snek_33, Snekmaggon_49, SoSeph_61, SoilSleuth_9, Solon_61, Sooty_31, Sorpresa_59, Sorvannah_9, Soups_64, SpecialK_31, SpeedDemon_860, SpikeBT_60, Spinach_55, Splinter_63, Spock_66, SpongeBob_49, Spouty_58, Squee_63, StagePhright_9, StarStuff_60, Steamy_54, Stellammi_36, StewieG_57, Stickynote_52, Stinson_68, Stormbreaker_9, Strobilo_70, Strosahl_64, Stuck_65, Studio_2, Stuu_31, SuMoo_44, Subaru_35, Sue2_34, Sulley_66, Sumter_58, Sunflower1121_72, SunnyJune_47, Sunshine924_67, SuperHands_41, Superchunk_56, Superphikiman_51, Sweetclover_51, SweetiePie_58, SwirlSquare_61, SwissCheezer_9, Switzerland_63, Swole_63, Syleon_115, Syra333_70, TBond007_64, TClif_68, TM4_67, TZGordon_64, Tachez_66, Tailonex_48, TaiwanKao_69, Tallboi_33, Tapioca_52, Target_64, Tbone_32, Teejan_57, Teodoridan_60, Tessdabest_51, TforTroy_34, Thibault_45, ThirteenKH_9, Thonko_81, Thor_61, ThursdayNight_37, Thyatira_63, Tian_33, TicTac_9, Tierra_70, Tigress9_71, Timothy_57, TinaLin_62, TingHuaYa_70, TiniBug_67, TinyTimmy_57, TinyTimothy_9, TopsytheTRex_54, Tiri_67, Toaka_58, Tomathan_60, Toniann_125, Topper_66, Torres_58, Tortoise12_49, Tote_58, Towmatter_75, TpudiCK_41, Traft412_64, Travvers_60, Trax_113, Treddle_63, TreyKay_68, TribbleTrouble_68, Trice_55, Tripl3t_65, TripleC_6, TrippleS_9, Trouble_63, TruffulaTree_67, Truong_9, Tubs_58, Tuck_36, Turab_32, Turbido_59, Turj99_60, Tutumahutu_33, Tweety19_33, Twitch_66, TwoPeat_63, TyDawg_39, Ugenie5_55, Unicorn_68, Unphazed_9, Urkel_67, UtzChips_41, VC3_61, Validus_71, Vanisoa_58, Veliki_68, Vendetta_63, Vibaki_39, Violet_60, Vitus_40, ViviJ_59, VroomVroom_39, Waits_64, Warda_33, Warrior24_66, WaterT_52, Waterfoul_62, Waterlily_9, Weiss13_40, Wesak_9, Whabigail7_59, Wheeler_64, Whitspit_58, Wildwest_33, WilliamBoone_123, Wolpertinger_56, WorldCup_57, Xerxes_50, Ximenita_72, Xitlalli_9, Yafa_9, Yang_33, Yecey3_59, YellowPanda_9, Yelo_40, YesChef_33, Yotsuba_51, YoureAdopted_66, Yuna_71, Yunkel11_71, Yvonnestic_129, Zabiza_61, Zavala_69, Zenon_41, Zeta1847_35, Zeuska_67, Zhengyi_9, Zimmer_55, Zion_52, ZoeJ_68,

Summary by start number:

Start 64:

- Found in 4 of 1204 (0.3%) of genes in pham
- Manual Annotations of this start: 4 of 1056
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AN9_61 (A2), ANI8_61 (A2), C3_56 (A2), VC3_61 (A2),

Start 83:

- Found in 11 of 1204 (0.9%) of genes in pham
- Manual Annotations of this start: 6 of 1056
- Called 54.5% of time when present

- Phage (with cluster) where this start called: Atkinbua_64 (A1), Makemake_64 (A1), Pinto_62 (A1), Pollywog_85 (F1), RidgeCB_61 (A1), Rufus_63 (A1),

Start 84:

- Found in 157 of 1204 (13.0%) of genes in pham
- Manual Annotations of this start: 30 of 1056
- Called 19.1% of time when present
- Phage (with cluster) where this start called: Acme_64 (A1), Aeneas_65 (A1), Anglerfish_62 (A1), BPBiels31_64 (A1), Bethlehem_61 (A1), Buttons_59 (A1), Dynamix_64 (A1), Espresso_59 (A1), Fajezeel_63 (A1), Fascinus_56 (A1), Fushigi_58 (A1), Greg_63 (A1), HarryOW_60 (A1), KSSJEB_62 (A1), Kenmech_65 (A1), Kugel_64 (A1), Lamina13_66 (A1), Manatee_62 (A1), Maroc7_59 (A1), PacerPaul_61 (A1), Papez_64 (A1), PattyP_64 (A1), PhrostyMug_62 (A1), Pippin_62 (A1), Pita2_63 (A1), Rhynn_60 (A1), Rutherford_64 (A1), SarFire_61 (A1), Treddle_63 (A1), Trouble_63 (A1),

Start 85:

- Found in 173 of 1204 (14.4%) of genes in pham
- Manual Annotations of this start: 118 of 1056
- Called 77.5% of time when present
- Phage (with cluster) where this start called: A6_54 (A1), AFIS_58 (A1), Abbyshoes_63 (A1), Agaliana_56 (A1), Ajay_62 (A1), Aldrich_58 (A1), Alsfro_68 (A1), Altman_64 (A1), Alvin_62 (A1), Arcanine_64 (A1), Ashballer_65 (A1), BK1_54 (A1), BaconJack_66 (A1), Barriga_65 (A1), BarrowTuph_63 (A1), BeesKnees_64 (A1), Big3_63 (A1), BigPaolini_59 (A1), Bigchungi_61 (A1), Bigfoot_54 (A1), Bircsak_61 (A1), Blackflame_58 (A1), Blessor_58 (A1), Burton_63 (A1), Bxb1_56 (A1), CactusRose_62 (A1), CartmannCramer_60 (A1), CatBus_58 (A1), Chanagan_56 (A1), ChristmasHams_56 (A1), Ciao_60 (A1), ConceptII_64 (A1), Corvo_63 (A1), DD5_60 (A1), Dexes_62 (A1), DirtDevil_60 (A1), Doom_60 (A1), Dreamboat_63 (A1), Dussy_62 (A1), Edtherson_61 (A1), EnzoK_62 (A1), Euphoria_60 (A1), Eyeball_64 (A1), Fenn_64 (A1), Francis47_60 (A1), Froghopper_60 (A1), Gachnar_62 (A1), GageAP_63 (A1), Gandalf20_64 (A1), Gompeii16_61 (A1), Graduation_66 (A1), GrecoEtereo_61 (A1), GroundGoblin_59 (A1), Hami1_57 (A1), Hermia_60 (A1), Homines_54 (A1), Hope4ever_63 (A1), ILeekay_64 (A1), Ichabod_66 (A1), Inyanga_57 (A1), Iqorha_57 (A1), JC27_65 (A1), Jasper_62 (A1), Jerm2_64 (A1), Jorgensen_65 (A1), JuliaChild_63 (A1), Kanely_63 (A1), KikiBouba_61 (A1), Lesedi_58 (A1), Levia_60 (A1), Licorice_63 (A1), LilBib_62 (A1), Lockley_59 (A1), LunarLander_62 (A1), Marcell_58 (A1), Marchy_56 (A1), Marco3_65 (A1), Marge_59 (A1), Marsha_61 (A1), MaryBeth_60 (A1), McSinger_60 (A1), MetalQZJ_59 (A1), Michley_65 (A1), Monet_65 (A1), MrGordo_64 (A1), Mule_59 (A1), NEHalo_59 (A1), Naira_64 (A1), Nerujay_64 (A1), Niza_64 (A1), Norz_62 (A1), Noxious_61 (A1), Ohno789_62 (A1), PSullivan_60 (A1), Paraselene_60 (A1), Pari_65 (A1), PascalRango_60 (A1), Payneful_60 (A1), Pelly_63 (A1), Pepe_60 (A1), Perseus_61 (A1), Peterson_66 (A1), Petruccio_62 (A1), PherrisBueller_61 (A1), PhineBark_62 (A1), Phlippers_58 (A1), PinkPlastic_62 (A1), PowerRanger_60 (A1), Puppet_60 (A1), QTRLifeCrisis_62 (A1), Rajelicia_62 (A1), Sagefire_64 (A1), ShortQueendom_56 (A1), Slagathor_64 (A1), Smairt_64 (A1), Smeagol_64 (A1), Snazzy_60 (A1), Solon_61 (A1), SpikeBT_60 (A1), Squee_63 (A1), StewieG_57 (A1), Sumter_58 (A1), Sunshine924_67 (A1), Swole_63 (A1), Target_64 (A1), Teodoridan_60 (A1), Thor_61 (A1), Tote_58 (A1), Turj99_60 (A1), TwoPeat_63 (A1), Violet_60 (A1), Wheeler_64 (A1), Whitspit_58 (A1), Zeuska_67 (A1),

Start 86:

- Found in 161 of 1204 (13.4%) of genes in pham
- Manual Annotations of this start: 127 of 1056
- Called 96.3% of time when present
- Phage (with cluster) where this start called: 40AC_59 (A17), AbbyPaige_60 (A2), Acolyte_53 (A2), Adzzy_59 (A2), Agape74_60 (A2), Aliter_58 (A9), Alma_58 (A9), Aneem_58 (A11), Anselm_59 (A2), Anthony_54 (A20), Arissanae_57 (A9), Ayanochan_59 (A9), Bachome_59 (A11), Beemo_58 (A9), Bellris_57 (A9), Benvolio_55 (A2), BobSwaget_54 (A2), BogosyJay_57 (A9), Bowtie_58 (A11), Bradman_57 (A2), Bud_57 (A11), Buggy_60 (A2), Caraxes_58 (A2), Catalina_59 (A9), Celestiallunch_57 (A9), Charm_56 (A9), Che12_59 (A2), ChipMunk_60 (A2), CogOmlette_57 (A9), Conquerage_58 (A9), Crucio_58 (A2), D29_56 (A2), D32_59 (A2), DBQu4n_60 (A2), Dalmatian_59 (A2), Darrell_60 (A9), DarthPhader_54 (A12), Dignity_60 (A2), DreamTeam1_56 (A9), DudeLittle_57 (A2), Duplo_60 (A2), EagleEye_60 (A16), Ebony_57 (A11), Echild_58 (A2), Eidsmoe_58 (A9), Elephantoon_57 (A9), EmyBug_57 (A9), Et2Brutus_56 (A11), EvilGenius_60 (A2), Fameo_58 (A2), FatCactus_50 (A20), Fayely_58 (A9), Fibonacci_57 (A11), FiringLine_58 (A2), Flaverint_58 (A11), Georgie2_59 (A2), Gilberta_58 (A11), Heffalump_57 (A2), Herbertwm_56 (A2), HippoHollow_58 (A2), HortumSL17_58 (A9), Hutc2_57 (A11), Insomnia_58 (A11), Jabith_58 (A11), Jerm_60 (A2), Jiawan_56 (A9), Joselito_58 (A11), Journey13_52 (A2), Jsquared_56 (A2), Kerberos_60 (A2), Keziacharles14_58 (A9), Kimba_57 (A11), KingCyrus_60 (A2), Klodlith_57 (A9), Koduck_59 (A2), L5_56 (A2), Larenn_57 (A2), Leviathan_60 (A2), LiITurb_59 (A2), Lilleskat_56 (A9), LionsBait_60 (A2), LogiBear_62 (A15), Lokk_55 (A2), LoneWolf_59 (A9), Lucivia_58 (A11), MaCh_58 (A11), Mabel_57 (A11), MajorMajor_57 (A2), Malec_58 (A2), Maminina_57 (A9), MegTheThird_57 (A9), Miko_55 (A2), Minispark_57 (A9), MissWhite_57 (A2), Mulciber_57 (A11), Munch_58 (A11), Myxus_58 (A9), Naji_60 (A2), NothingSpecial_56 (A2), Odin_56 (A2), Onglai_56 (A9), Orange_57 (A11), PackMan_57 (A9), PainterBoy_59 (A16), Petersenfast_56 (A11), Ph8s_59 (A2), Phaeder_58 (A9), Pharaoh_53 (A12), Phlei_47 (A13), Phonnegut_58 (A9), Pioneer_58 (A9), Pomar16_60 (A2), Power_57 (A2), Priya_58 (A9), Qobbit_58 (A9), QueenB2_57 (A2), QueenBeesly_58 (A2), Quokka_56 (A2), Rachaly_57 (A2), Rahalelujah_58 (A9), Refuge_56 (A12), Retro23_59 (A2), RyeScarlet_59 (A9), Sachima_55 (A9), Salz_56 (A11), Saskia_58 (A11), Scherzo_58 (A9), SemperFi_59 (A2), Serenity_58 (A2), Sham4_57 (A11), SheaKeira_56 (A9), Smeagan_61 (A2), SnapTap_58 (A2), Snape_57 (A11), Spouty_58 (A9), StarStuff_60 (A2), Steamy_54 (A12), Superchunk_56 (A2), SweetiePie_58 (A2), SwirlSquare_61 (A2), Timothy_57 (A11), TinyTimmy_57 (A11), TopsytheTRex_54 (A2), Toaka_58 (A9), Tomathan_60 (A2), Travvers_60 (A2), Tubs_58 (A9), Turbido_59 (A2), Ugenie5_55 (A9), Vanisoa_58 (A9), Whabigail7_59 (A2), Wolpertinger_56 (A11), WorldCup_57 (A9), Yecey3_59 (A9), Zimmer_55 (A12),

Start 88:

- Found in 2 of 1204 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1056
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Snek_33 (AZ3), Tweety19_33 (AZ3),

Start 92:

- Found in 178 of 1204 (14.8%) of genes in pham
- Manual Annotations of this start: 4 of 1056
- Called 2.2% of time when present
- Phage (with cluster) where this start called: Gwendoluna_65 (A1), Gyzlar_57 (A1), Lopton_60 (A1), Rubeus_60 (A1),

Start 93:

- Found in 3 of 1204 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: ThursdayNight_37 (AZ),

Start 94:

- Found in 16 of 1204 (1.3%) of genes in pham
- Manual Annotations of this start: 10 of 1056
- Called 68.8% of time when present
- Phage (with cluster) where this start called: DrFeelGood_58 (A1), Dulcie_62 (A1), KyMonks1A_65 (A1), Magnar_60 (A1), Magnito_60 (A1), Mryolo_58 (A1), Ruotula_64 (A1), Sandaddy_58 (A1), Sorpresa_59 (A1), Traft412_64 (A1), Tripl3t_65 (A1),

Start 96:

- Found in 5 of 1204 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 1056
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Cen1621_38 (EH), Rabbitrun_113 (DU2),

Start 97:

- Found in 5 of 1204 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 1056
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Music_39 (FL), Vibaki_39 (FL), Vitus_40 (FL),

Start 98:

- Found in 11 of 1204 (0.9%) of genes in pham
- Manual Annotations of this start: 6 of 1056
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AceofSpades_40 (AZ4), Emotion_38 (AZ4), FiveHead_43 (AZ4), JasmineDragon_39 (AZ4), JohnThicc_42 (AZ4), LadyAstra_41 (AZ4), MiniMommy_40 (AZ4), Origami_41 (AZ4), ShakeltOph_39 (AZ4), VroomVroom_39 (AZ4), Yappy_50 (singleton),

Start 101:

- Found in 5 of 1204 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 1056
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adumb2043_32 (AZ1), IttyBittyPiggy_33 (AZ1), KeAlii_33 (AZ1), Tallboi_33 (AZ1), Turab_32 (AZ1),

Start 102:

- Found in 1 of 1204 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1056
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Footloose_59 (singleton),

Start 103:

- Found in 6 of 1204 (0.5%) of genes in pham

- Manual Annotations of this start: 5 of 1056
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Abrogate_610 (A1), Applejack_60 (A1), MilleFeuille_63 (A1), Ringer_62 (A1), STLscum_70 (A1),

Start 104:

- Found in 19 of 1204 (1.6%) of genes in pham
- Manual Annotations of this start: 14 of 1056
- Called 73.7% of time when present
- Phage (with cluster) where this start called: Bongo_39 (M1), Bricole_39 (M1), BrutonGaster_100 (CQ2), Diminimus_40 (M1), Dulcita_40 (M1), Glaske16_40 (M1), IPhane7_39 (M1), Izel_40 (M1), LilhomieP_38 (M1), OneUp_110 (CQ2), PegLeg_39 (M1), Reindeer_39 (M1), Skinny_40 (M1), TyDawg_39 (M1),

Start 105:

- Found in 39 of 1204 (3.2%) of genes in pham
- Manual Annotations of this start: 27 of 1056
- Called 79.5% of time when present
- Phage (with cluster) where this start called: AGrandiflora_34 (AZ1), Ascela_34 (AZ1), Berrie_34 (AZ1), Cassia_34 (AZ1), Community_34 (AZ1), Cyan_33 (AZ1), DrSierra_32 (AZ1), Flutur_33 (AZ), Iter_34 (AZ1), Janeemi_35 (AZ1), Joemato_33 (AZ1), JohnDoe_33 (AZ1), JuneStar_33 (AZ1), Kaylissa_33 (AZ1), Lego_33 (AZ1), Lizalica_32 (AZ1), Nitro_33 (AZ1), Phives_35 (AZ1), Powerpuff_35 (AZ1), Pumpkins_33 (AZ1), Schaffner_33 (AZ1), Simpson_35 (AZ1), Sue2_34 (AZ1), Tbone_32 (AZ1), TforTroy_34 (AZ1), Tuck_36 (AZ1), Tutumahutu_33 (AZ1), Warda_33 (AZ1), Wildwest_33 (AZ1), Yang_33 (AZ1), YesChef_33 (AZ1),

Start 106:

- Found in 6 of 1204 (0.5%) of genes in pham
- Manual Annotations of this start: 5 of 1056
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amyev_33 (AZ1), Crewmate_37 (AZ1), Mudpuppy_32 (AZ1), ObiToo_36 (AZ1), Pixelle_33 (AZ1), Tian_33 (AZ1),

Start 108:

- Found in 13 of 1204 (1.1%) of genes in pham
- Manual Annotations of this start: 6 of 1056
- Called 69.2% of time when present
- Phage (with cluster) where this start called: AirForce1_46 (FL), BlackJade_54 (FL), Divya_48 (FL), GoldDust_40 (FL), Gooberta_40 (FL), Hirko_38 (FL), Jinkies_45 (FL), SunnyJune_47 (FL), Tailonex_48 (singleton),

Start 109:

- Found in 1 of 1204 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1056
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Reedo_32 (AZ1),

Start 110:

- Found in 1 of 1204 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1056
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumao_40 (singleton),

Start 111:

- Found in 22 of 1204 (1.8%) of genes in pham
- Manual Annotations of this start: 18 of 1056
- Called 90.9% of time when present
- Phage (with cluster) where this start called: Abscondus_124 (CQ1), Aphelion_125 (CQ1), Bantam_85 (DL), Cardigan_134 (DD), ClubL_125 (CQ1), Culver_125 (CQ1), Daredevil_75 (DL), DatBoi_82 (DL), Dusty_122 (CQ1), Geeche_123 (CQ1), JonJames_133 (DD), Lozinak_125 (CQ1), Miskis_120 (CQ1), Mollymur_85 (DL), Nedarya_60 (A15), Norvs_124 (CQ1), Smoothie_126 (CQ1), SpeedDemon_860 (DL), Towmatter_75 (DL), Yvonnetastic_129 (DD),

Start 112:

- Found in 29 of 1204 (2.4%) of genes in pham
- Manual Annotations of this start: 27 of 1056
- Called 93.1% of time when present
- Phage (with cluster) where this start called: Anaysia_64 (A15), Anon_61 (A15), Battleship_66 (A15), Boilgate_63 (K8), Boohoo_64 (A15), DekHockey33_65 (A15), Epsocamisio_61 (A15), Floof_43 (EH), JSwag_63 (A15), KatherineG_64 (A15), LastResort_62 (A15), Looper_63 (A15), MinecraftSteve_64 (A15), Nebulosus_62 (A15), Oofda_65 (A15), Ravana_66 (A15), ReMo_62 (A15), Remus_64 (A15), Rosalind_62 (A15), ShayRa_64 (A15), Shweta_51 (N), Soups_64 (A15), Strosahl_64 (A15), Stuck_65 (I2), Switzerland_63 (A15), Waits_64 (A15), Warrior24_66 (A15),

Start 113:

- Found in 26 of 1204 (2.2%) of genes in pham
- Manual Annotations of this start: 23 of 1056
- Called 88.5% of time when present
- Phage (with cluster) where this start called: Ashes_31 (AZ5), Bachita_128 (CQ1), Beaupre_31 (AZ5), Cappuccino_31 (AZ5), Cucurbita_126 (CQ1), Donkey_31 (AZ5), Engineer_127 (CQ1), Gambol_31 (AZ5), Giorgio_31 (AZ5), Gumpizza_31 (AZ5), Halsey_31 (AZ5), Kalimba_31 (AZ5), Lucyedi_59 (A16), Moss_31 (AZ5), Mysterium_31 (AZ5), PhinkBoden_125 (CQ1), RockScotty_31 (AZ5), Sabourin_31 (AZ5), Sooty_31 (AZ5), SpecialK_31 (AZ5), Stuu_31 (AZ5), Toniann_125 (CQ1), WilliamBoone_123 (CQ1),

Start 114:

- Found in 2 of 1204 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1056
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LastNadiia_6 (FR), Makima_4 (FR),

Start 115:

- Found in 66 of 1204 (5.5%) of genes in pham
- Manual Annotations of this start: 53 of 1056
- Called 97.0% of time when present
- Phage (with cluster) where this start called: Akoni_9 (EK2), Alex44_9 (EK1), AloeVera_9 (EK2), ArMaWen_9 (EK1), Ashton_9 (EK2), Astartes_9 (EK2), Atraxi_9 (EK2), Barroma_9 (EK2), Biozilla_9 (EK1), Birdfeeder_9 (EK1), Conditioner_9 (EK1), Corn21_9 (EK1), CrunchyBoi_10 (EK1), Dashyla_9 (EK1), DumpQuist_9 (EK1), EugeneKrabs_9 (EK), Fede_9 (EK2), Fullmetal_9 (EK2), HitchHiker_10 (EK1), JessellCookie_9 (EK1), JordanFarm_9 (EK2), Keough_9 (EK2), KingKamren_9 (EK), Kosier_9 (EK2), Kudrefre_114 (DU1), LilJank_109 (DU2), LilyLou_9 (EK1), Mazun_9

(EK2), MiamiPanther_9 (EK1), Moleficent_9 (EK2), Morrill_9 (EK2), Neville_111 (DU2), Oatly_9 (EK1), Octobien14_110 (DU1), Pabst_9 (EK1), Pharky_9 (EK2), Phedro_9 (EK2), Phogo_9 (EK1), Phracted_9 (EK2), PhriedRice_9 (EK2), PineapplePluto_10 (EK1), RicoCaldo_9 (EK2), Salvatore2000_9 (EK1), Sephiroth_110 (DU1), ShyRosie_9 (EK2), SoilSleuth_9 (EK2), Sorvannah_9 (EK1), StagePhright_9 (EK2), Stormbreaker_9 (EK1), SwissCheezer_9 (EK1), Syleon_115 (DU1), ThirteenKH_9 (EK2), TicTac_9 (EK1), TinyTimothy_9 (EK1), Trax_113 (DU2), TrippleS_9 (EK2), Truong_9 (EK2), Unphazed_9 (EK1), Waterlily_9 (EK2), Wesak_9 (EK1), Xitlalli_9 (EK1), Yafa_9 (EK2), YellowPanda_9 (EK1), Zhengyi_9 (EK),

Start 116:

- Found in 39 of 1204 (3.2%) of genes in pham
- Manual Annotations of this start: 37 of 1056
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Andies_48 (N), BabeRuth_56 (N), Bosection6_49 (N), Butters_53 (N), Carcharodon_50 (N), Charlie_51 (N), Chewbacca_52 (N), Duplicity_50 (N), EGUunicorn_48 (N), Fulbright_49 (N), Gex_50 (N), Hanako_55 (N), Impisi_56 (N), Jamie19_49 (N), Kevin1_52 (N), Magsby_50 (N), Melville_53 (N), Nenae_55 (N), Panchino_48 (N), Parmesanjohn_50 (N), PhancyPhin_55 (N), Phloss_48 (N), Phrann_52 (N), Pipsqueaks_50 (N), Purgamenstris_55 (N), Raymond7_49 (N), Redi_55 (N), Rubeelu_53 (N), Schnauzer_51 (N), ShrimpFriedEgg_55 (N), Silvafighter_51 (N), Smurph_50 (N), Snekmaggedon_49 (N), Spinach_55 (N), SpongeBob_49 (N), Tapioca_52 (N), Tessdabest_51 (N), Tortoise12_49 (N), Xerxes_50 (N),

Start 117:

- Found in 19 of 1204 (1.6%) of genes in pham
- Manual Annotations of this start: 4 of 1056
- Called 31.6% of time when present
- Phage (with cluster) where this start called: Auspice_39 (M1), FreakyGoo_40 (M1), KleverKiS_40 (M1), Mireles_3 (FR), SlimJimmy_38 (M1), TpudiCK_41 (M1),

Start 118:

- Found in 155 of 1204 (12.9%) of genes in pham
- Manual Annotations of this start: 20 of 1056
- Called 16.1% of time when present
- Phage (with cluster) where this start called: AnnabelLee_3 (FR), Barnstormer_41 (EH), CardboardBox_3 (FR), Caron_44 (EH), ChamoyPickle_3 (FR), ChipsNGuac_3 (FR), ExplosioNervosa_58 (A9), Ezurina_2 (FR), Forester_41 (EH), GardenState_42 (EH), Gerri43_3 (FR), Gretchen_42 (EH), Honk_39 (EH), IAmGroot_42 (EH), JimmyPG_9 (EK2), Mabodamaca_42 (EH), Neuville_3 (FR), Oogway_61 (A1), Percival_43 (EH), Roberts_3 (FR), Studio_2 (FR), SuMoo_44 (EH), SuperHands_41 (EH), UtzChips_41 (EH), Zeta1847_35 (EH),

Start 119:

- Found in 1 of 1204 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1056
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rey_44 (M2),

Start 120:

- Found in 24 of 1204 (2.0%) of genes in pham
- Manual Annotations of this start: 24 of 1056

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aziz_44 (M2), Candle_40 (R), Estes_45 (M2), GardenSalsa_44 (M2), GenevaB15_44 (M2), Hurricane_68 (K3), Lea83_68 (K3), MacnCheese_70 (K3), MontyDev_40 (R), MrMagoo_44 (M2), Nanosmite_44 (M3), Nilo_41 (R), Papyrus_40 (R), Pharb_67 (K3), Pixie_67 (K3), Riparian_40 (R), Rope_40 (R), Send513_40 (R), ShedlockHolmes_69 (K3), TBond007_64 (K3), TribelTrouble_68 (K3), Weiss13_40 (R), Yelo_40 (R), Zenon_41 (R),

Start 121:

- Found in 38 of 1204 (3.2%) of genes in pham
- Manual Annotations of this start: 23 of 1056
- Called 84.2% of time when present
- Phage (with cluster) where this start called: AEgle_32 (AZ1), AddiRose_51 (JA), Adolin_32 (AZ1), Agamoto_5 (FR), AinMach_35 (AZ7), Amploria_32 (AZ1), Asa16_34 (AZ1), Audell_6 (FR), BaboJay_37 (E), Bogg_38 (E), Daddyjeff_52 (JA), DrManhattan_32 (AZ1), Eevee_51 (JA), Elezi_34 (AZ1), Elfy_29 (FP), Eraser_34 (AZ1), Eureka_38 (E), Goku_38 (E), JoyLin_51 (JA), Jstan_36 (AZ1), London_34 (AZ1), Mbo4_60 (singleton), Michkear_34 (AZ), MissAmericana_7 (EM2), Niobe_34 (AZ1), Pippin15_52 (JA), Serenabean_52 (JA), Skelbel_35 (AZ1), Subaru_35 (AZ1), Sweetclover_51 (JA), TripleC_6 (FR), Yotsuba_51 (JA),

Start 122:

- Found in 279 of 1204 (23.2%) of genes in pham
- Manual Annotations of this start: 241 of 1056
- Called 98.6% of time when present
- Phage (with cluster) where this start called: 244_39 (E), A3Wally_218 (GD1), ABCat_36 (E), Adnama_40 (E), Amao_37 (E), AmericanBeauty_39 (E), Archie_32 (L2), Argent26_39 (E), Artu_100 (FC), Asriel_36 (E), Atuin_102 (FC), Azrael100_52 (V), BAKA_56 (J), BadStone_36 (E), Bagrid_51 (J), Balomoji_36 (E), Baoshan_31 (L2), Barbarian_36 (E), Bask21_37 (E), Bazzle_32 (L2), Becksu_37 (E), Beem_52 (J), Bellis_31 (L3), Bench_39 (E), Big4_204 (GD2), BigBubba_38 (E), BigCheese_32 (L2), BilboSwaggins_37 (E), Bloom_112 (FC), Bobby_51 (J), BobsGarage_32 (L2), Bombitas_49 (J), BooTeria_104 (FC), Breezona_32 (L2), Brewer_37 (E), Bromden_32 (L4), Bruin_37 (E), Buck_36 (E), Budgie_39 (E), BugsBunny_35 (E), Cactus_38 (E), Cece_195 (GD3), Chaser_30 (L4), CherryTomatoes_78 (DO), Chilliams_107 (FC), ChosenOne_37 (E), ChotaBhai_37 (E), ChutneyChips_31 (L4), Cjw1_37 (E), Clautastrophe_31 (L3), Command613_38 (E), Constella_44 (J), Contagion_36 (E), Cookies_37 (E), Cosmo_53 (V), Crossroads_32 (L2), CrystalP_37 (E), Czczyszczon1_38 (E), Daikon_36 (E), Dallas_54 (J), DmpstrDiver_53 (J), DoctorDiddles_37 (E), Dodo_214 (GD1), Douge_30 (L4), Dove_49 (J), DrDrey_38 (E), DrSeegs_32 (L2), Duke13_55 (J), Dumbo_37 (E), DuncansLeg_31 (L3), DunneganBoMo_97 (FC), Dusk_36 (E), DyoEdafos_31 (L4), Easy2Say_39 (E), Ejimix_52 (J), Elite2014_36 (E), Ellewin_96 (FC), Ellson_31 (L3), Elph10_38 (E), Emmetator_100 (FC), Emmina_38 (E), EniyanLRS_50 (V), Erasmago_208 (GD2), EricMillard_52 (J), FairyPath_37 (E), Faith1_32 (L2), Filch_38 (E), Finemlucis_32 (L2), Finnry_31 (L3), FireRed_37 (E), FloraSnap32_108 (FC), Flypotenuse_35 (E), FoghornLeghorn_36 (E), FrostedClock_111 (FC), Gabriela_32 (L2), Gage_39 (E), Gardann_32 (L2), Gator_35 (E), Gemini_40 (E), Glexan_35 (E), GoldenEssence_94 (FC), GoldenSpark_39 (E), Goldilocks_38 (E), GooberAzure_39 (E), Greep_38 (E), GuuelaD_32 (L2), Halley_52 (J), HanKaySha_38 (E), Hannaconda_48 (J), Harella_36 (E), Henry_38 (E), Highbury_38 (E), HokkenD_45 (J), Holt_38 (E), Hoonter_39 (E), Hopey_39 (E), HufflyPuff_36 (E), Hughesyang_50 (J), Icee_36 (E), Inca_36 (E), Indlulamithi_37 (AC), Itos_32 (L2), JeTaimie_39 (E), Jubie_31 (L3), JuicyJay_54 (J),

KSunshine22_102 (FC), Kalah2_52 (J), Kanye_39 (E), KashFlow_45 (J), Kimchi_39 (E), Kingsolomon_31 (L3), Klein_52 (J), Kostya_38 (E), Kropertea_30 (L4), Krypton555_31 (L3), LeoJr_107 (FC), LilDestine_32 (L2), Lilac_39 (E), Lilizi_39 (E), Lilpickle_36 (E), Liveloughbron_38 (E), LiyuLake_31 (L3), Loadrie_32 (L2), Lolly9_31 (L3), Lumos_31 (L3), MISSy_36 (E), MPhalcon_36 (E), MaGuCo_34 (AZ2), MadamMonkfish_37 (E), Manda_38 (E), Marshmallow_37 (E), MaryV_53 (V), Maureen_36 (AZ2), Maxxinista_38 (E), Miley16_32 (L2), Mimi_108 (FC), Mindy_37 (E), Minerva_58 (J), MiniLon_31 (L3), MiniMac_31 (L3), Miniwave_37 (E), Misfit_37 (E), MissSwiss_32 (AZ1), MkaliMitinis3_32 (L2), Moldemort_38 (E), MollyToe_37 (E), Mosby_36 (E), MsGreen_31 (L3), Murica_36 (E), Murphy_38 (E), Myrale_37 (E), Nala_37 (E), NelitzaMV_37 (E), Netyap_32 (L2), Nibley_46 (J), Nicholas_31 (L3), Nicholasp3_32 (L2), NihilNomen_51 (J), Nimrod_37 (E), NoSleep_38 (E), NonchalantPear_37 (E), Odette_52 (J), Optimus_57 (J), OrionPax_38 (E), Orkz_49 (FL), OverPar_32 (L2), PaddyBaddy_38 (E), Palpatine_37 (E), Panchaali_99 (FC), PandaPo_32 (AZ1), Paperbeatsrock_39 (E), Pat3_36 (E), Patbob_107 (FC), PauloDiaboli_218 (GD1), Petra64142_39 (E), Pharsalus_38 (E), PhatBacter_37 (E), Phaux_36 (E), Phoebus_51 (J), Phrampa_101 (FC), Phrux_37 (E), Policronamos_37 (E), Porky_37 (E), Pound_54 (J), Ptowny_38 (E), Pumpernickel_201 (GD4), Pumpkin_39 (E), Pupper_77 (DO), Quallification_38 (E), Racecar_109 (FC), Rakim_38 (E), Rearden_46 (J), Redno2_50 (J), ReginaGlobina_107 (FC), Rimmer_36 (E), RiverMonster_37 (E), Rockabye_113 (FC), SCentae_76 (DO), SJReid_112 (FC), Saints25_38 (E), Samty_31 (L3), Sassay_36 (E), Schatzie_49 (J), ShamWow_37 (E), Simpliphy_38 (E), SirDuracell_36 (E), Skog_140 (DO), Snenia_31 (L3), SophKB_37 (E), Sotrice96_37 (E), Stank_40 (E), Stark_38 (E), StellaBean_37 (E), Stewart25555_99 (FC), StolenFromERC_39 (E), StormChicken_37 (E), TBrady12_39 (E), TMaxx_3 (FR), Talia1610_108 (FC), Tarkin_39 (E), TeamEdward_37 (E), TeardropMSU_36 (E), Teaspoon_38 (E), Terminus_37 (E), Thimble_37 (E), ThreeRngTarjay_50 (J), Thresher_38 (E), Tomaszewski_36 (E), Toto_37 (E), Tourach_32 (L2), Traaww1_35 (E), TriFive_31 (L3), Tuco_38 (E), Ukulele_37 (E), Underpass_32 (L2), VResidence_33 (AZ1), Vetrix_32 (L2), WaddleDee_95 (FC), Wanda_58 (J), Whirlwind_32 (L3), Wiggin_40 (E), Wigglewobble_32 (L2), Wildcat_53 (V), Wilder_32 (L2), Willez_36 (E), Winky_32 (L2), Xandras_39 (E), Xiaokay_47 (J), YassJohnny_38 (E), Yeet_50 (J), Youngblood_37 (E), Zakai_32 (L2), Zelink_53 (J), Zooman_185 (GD2), xkcd_38 (E),

Start 123:

- Found in 1 of 1204 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1056
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yuna_71 (K6),

Start 124:

- Found in 9 of 1204 (0.7%) of genes in pham
- Manual Annotations of this start: 6 of 1056
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apocalypse_69 (K1), Dartin_69 (K1), McMater_69 (K1), Niklas_69 (K1), Peanam_69 (K1), Richo_69 (K1), Shaobing_69 (K1), Stellammi_36 (UNK), Validus_71 (K1),

Start 125:

- Found in 204 of 1204 (16.9%) of genes in pham
- Manual Annotations of this start: 175 of 1056
- Called 91.7% of time when present

- Phage (with cluster) where this start called: ActinUp_66 (K1), Adephagia_66 (K1), Adonis_66 (K1), Agent47_60 (K5), Ageofdapage_70 (K1), AlishaPH_66 (K1), AlleyCat_62 (K5), Amelie_55 (K1), Amohnton_66 (K6), Anaya_69 (K1), Angelica_66 (K1), Anma_68 (K1), Applecrisp_63 (K6), Asayake_66 (K1), Atiba_67 (K1), BEEST_66 (K1), BGlluviae_66 (K1), BaghaKamala_66 (K1), BananenDer11_60 (K5), Banquo_62 (CU1), BarrelRoll_67 (K1), Beezoo_68 (K1), Bella96_67 (K1), Belladonna_66 (K1), Bern_68 (K1), Binglebops_55 (K1), Blizzard_66 (K1), Boiiii_66 (K1), BoostSeason_69 (K2), Bryler_70 (K6), CREW_66 (K1), Cain_70 (K6), CallaLilly_66 (K1), Capricorn_66 (K1), CaseJules_68 (K1), Catfish_63 (CU5), Chavito_69 (K1), CheetoDust_66 (K1), Chris_69 (K1), Clipper_70 (K1), Collard_58 (K5), CrimD_68 (K1), Curiosium_70 (K1), DS6A_74 (singleton), Dadosky_62 (K5), Dalmuri_66 (K1), Dardanus_57 (CU3), DartGoblin_68 (K1), DarthP_66 (K6), Deby_67 (K1), Devera_74 (K1), DinoDaryn_63 (CU1), DismalFunk_69 (K2), DismalStressor_69 (K2), Dole_72 (K1), DoubleChamp_57 (K5), Doughnut_69 (K2), DrHayes_67 (K1), Durfee_66 (K1), Edugator_59 (K5), Efra2_72 (K1), Ekdilam_63 (K6), Ellie_62 (K6), Emerson_68 (K1), Enkosi_57 (K1), Fefferhead_64 (K6), Feyre_63 (K5), Findley_69 (K2), Ganymede_66 (K1), Gengar_60 (K5), Geraldini_69 (K1), Goib_64 (CU1), Gspu1_55 (CU2), Guanica15_71 (K1), Guillsminger_61 (K5), Hammy_66 (K6), HedwigODU_66 (K1), Heftyboy_61 (K5), Homura_66 (K1), Huffy_63 (CU1), Hyperbowlee_66 (K1), Illumine_72 (K1), Inky_66 (K1), InvictusManeo_58 (K5), JAWS_67 (K1), Jarvi_66 (K1), Jayhawk_68 (K1), Jeckyll_66 (K1), Joy99_66 (K1), KiSi_71 (K1), Kratio_58 (K5), Larva_61 (K5), LastHope_71 (K1), LaterM_67 (K1), Laure_112 (UNK), Lavahound_64 (K6), LeMond_70 (K1), Leston_60 (K5), LilDirt_59 (K5), LilPharaoh_56 (K1), LindNT_66 (K1), Llorens_66 (K1), Lunahalos_66 (K1), MacKat_62 (K1), Marcoliusprime_69 (K2), MarkPhew_69 (K1), Marshawn_66 (K6), Mdavu_56 (K1), MeaningOfLife_67 (K1), Megsy_69 (K1), Milly_69 (K2), Miryou_64 (K5), Mufasa_69 (K2), Murucutumbu_68 (K1), Mynx_68 (K1), Neighly_62 (K3), Nibb_69 (K1), Nikao_58 (K1), November_64 (K6), Nutello_55 (K1), OkiRoe_61 (K5), Omnicron_64 (K5), Oscar_70 (K1), Padfoot_66 (K1), Padpat_69 (K1), Paola_60 (K5), Peel_66 (K1), PhelpsODU_68 (K6), Phrank_70 (K6), Piatt_66 (K1), Pisa1_66 (K1), Pisa4_60 (K1), Pokerus_66 (K1), Prithvi_68 (K1), Psycho_60 (K5), QuincyRose_64 (K1), Ramen_67 (K1), Rando14_62 (K5), Rapunzel97_68 (K1), Rosmarinus_66 (K1), SamuelLPlaqson_67 (K1), Scarlett_71 (K1), ScoobyDoobyDoo_73 (C2), SgtBeansprout_56 (K1), Shadow1_71 (K6), ShiaSurprise_67 (K1), SirPhilip_66 (K6), Slimphazie_67 (K1), SoSeph_61 (K5), Splinter_63 (CU1), Spock_66 (K1), Stinson_68 (K1), Strobilo_70 (K2), Sulley_66 (K1), Sunflower1121_72 (K6), Syra333_70 (K6), TClif_68 (K6), TM4_67 (K2), TZGordon_64 (CU1), Tachez_66 (K1), TaiwanKao_69 (K1), Teejan_57 (K1), Thyatira_63 (K5), Tierra_70 (K6), Tigress9_71 (K6), TinaLin_62 (CU1), TingHuaYa_70 (K1), TiniBug_67 (K1), Tiri_67 (K1), Topper_66 (K1), Torres_58 (K1), TreyKay_68 (K1), Trice_55 (K1), TruffulaTree_67 (K1), Twitch_66 (K1), Unicorn_68 (K6), Urkel_67 (K1), Veliki_68 (K1), Vendetta_63 (CU1), ViviJ_59 (K5), Waterfoul_62 (K5), Ximenita_72 (K6), YoureAdopted_66 (K1), Yunkel11_71 (K1), Zabiza_61 (K1), Zavala_69 (K1), ZoeJ_68 (K2),

Start 126:

- Found in 2 of 1204 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1056
- Called 50.0% of time when present
- Phage (with cluster) where this start called: MissDaisy_67 (K4),

Start 127:

- Found in 125 of 1204 (10.4%) of genes in pham
- Manual Annotations of this start: 5 of 1056

- Called 4.8% of time when present
- Phage (with cluster) where this start called: BarnCat_46 (GB), Bluvara_58 (I3), Cassita_54 (GB), LeeroyJenkins_54 (GB), Lifes_48 (GB), WaterT_52 (GB),

Start 128:

- Found in 323 of 1204 (26.8%) of genes in pham
- Manual Annotations of this start: 11 of 1056
- Called 4.6% of time when present
- Phage (with cluster) where this start called: Ariel_51 (J), Blue_61 (A1), Courthouse_51 (J), LittleE_56 (J), Lucky2013_51 (J), MiaZeal_51 (J), Mkhuseleli_58 (A1), Nekros_50 (J), Omega_56 (J), Porcelain_50 (J), Red305_31 (L3), Sanya_57 (A1), Superphikiman_51 (J), Thibault_45 (J), Thonko_81 (B8),

Start 130:

- Found in 44 of 1204 (3.7%) of genes in pham
- Manual Annotations of this start: 9 of 1056
- Called 25.0% of time when present
- Phage (with cluster) where this start called: C3PO_50 (EN), Count_87 (EL), Cruella_50 (EN), Darwin_54 (EN), Gallia_65 (singleton), Kimchi1738_51 (EN), P1201_68 (singleton), PeteyPab_51 (EN), PotatoChip_52 (EN), StickyNote_52 (EN), Zion_52 (EN),

Summary by clusters:

There are 71 clusters represented in this pham: FP, GD1, FR, GD3, GD4, M3, DO, DD, V, singleton, K3, K2, K1, FC, M1, K6, K5, K4, K8, FL, JA, DL, A15, CU5, A16, A11, CU2, CU1, A12, I3, I2, A1, A2, A13, A9, C2, CQ1, M2, EL, AC, EN, E, EH, EK, GD2, J, A17, N, L4, R, L2, L3, DU1, CU3, UNK, DU2, A20, F1, CQ2, AZ7, B8, AZ, AZ5, EM2, AZ1, AZ2, AZ3, AZ4, EK2, EK1, GB,

Info for manual annotations of cluster A1:

- Start number 83 was manually annotated 5 times for cluster A1.
- Start number 84 was manually annotated 30 times for cluster A1.
- Start number 85 was manually annotated 118 times for cluster A1.
- Start number 92 was manually annotated 4 times for cluster A1.
- Start number 94 was manually annotated 10 times for cluster A1.
- Start number 103 was manually annotated 5 times for cluster A1.
- Start number 118 was manually annotated 1 time for cluster A1.
- Start number 128 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A11:

- Start number 86 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 86 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A15:

- Start number 111 was manually annotated 1 time for cluster A15.
- Start number 112 was manually annotated 23 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 86 was manually annotated 2 times for cluster A16.

- Start number 113 was manually annotated 1 time for cluster A16.

Info for manual annotations of cluster A2:

- Start number 64 was manually annotated 4 times for cluster A2.
- Start number 86 was manually annotated 61 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 86 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A9:

- Start number 86 was manually annotated 34 times for cluster A9.
- Start number 118 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AC:

- Start number 122 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster AZ1:

- Start number 101 was manually annotated 4 times for cluster AZ1.
- Start number 105 was manually annotated 27 times for cluster AZ1.
- Start number 106 was manually annotated 5 times for cluster AZ1.
- Start number 109 was manually annotated 1 time for cluster AZ1.
- Start number 121 was manually annotated 7 times for cluster AZ1.
- Start number 122 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 122 was manually annotated 2 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 88 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 98 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ5:

- Start number 113 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster B8:

- Start number 128 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster C2:

- Start number 125 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster CQ1:

- Start number 111 was manually annotated 9 times for cluster CQ1.
- Start number 113 was manually annotated 6 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 104 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CU1:

- Start number 125 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 125 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU5:

- Start number 125 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster DD:

- Start number 111 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:

- Start number 111 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DO:

- Start number 122 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DU1:

- Start number 115 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 96 was manually annotated 1 time for cluster DU2.
- Start number 115 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster E:

- Start number 121 was manually annotated 3 times for cluster E.
- Start number 122 was manually annotated 126 times for cluster E.

Info for manual annotations of cluster EH:

- Start number 96 was manually annotated 1 time for cluster EH.
- Start number 112 was manually annotated 1 time for cluster EH.
- Start number 118 was manually annotated 13 times for cluster EH.

Info for manual annotations of cluster EK:

- Start number 115 was manually annotated 3 times for cluster EK.

Info for manual annotations of cluster EK1:

- Start number 115 was manually annotated 22 times for cluster EK1.

Info for manual annotations of cluster EK2:

- Start number 115 was manually annotated 22 times for cluster EK2.
- Start number 118 was manually annotated 1 time for cluster EK2.

Info for manual annotations of cluster EL:

- Start number 130 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster EM2:

- Start number 121 was manually annotated 1 time for cluster EM2.

Info for manual annotations of cluster EN:

- Start number 130 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster F1:

- Start number 83 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster FC:

- Start number 122 was manually annotated 12 times for cluster FC.

Info for manual annotations of cluster FL:

- Start number 97 was manually annotated 2 times for cluster FL.
- Start number 108 was manually annotated 6 times for cluster FL.

Info for manual annotations of cluster FP:

- Start number 121 was manually annotated 1 time for cluster FP.

Info for manual annotations of cluster FR:

- Start number 114 was manually annotated 2 times for cluster FR.
- Start number 117 was manually annotated 1 time for cluster FR.
- Start number 118 was manually annotated 4 times for cluster FR.
- Start number 121 was manually annotated 3 times for cluster FR.
- Start number 122 was manually annotated 1 time for cluster FR.

Info for manual annotations of cluster GB:

- Start number 127 was manually annotated 5 times for cluster GB.

Info for manual annotations of cluster GD1:

- Start number 122 was manually annotated 3 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 122 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 122 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 122 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster I2:

- Start number 112 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster J:

- Start number 122 was manually annotated 30 times for cluster J.
- Start number 128 was manually annotated 9 times for cluster J.

Info for manual annotations of cluster JA:

- Start number 121 was manually annotated 8 times for cluster JA.

Info for manual annotations of cluster K1:

- Start number 124 was manually annotated 5 times for cluster K1.
- Start number 125 was manually annotated 104 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 125 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 120 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 126 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K5:

- Start number 125 was manually annotated 25 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 123 was manually annotated 1 time for cluster K6.
- Start number 125 was manually annotated 23 times for cluster K6.

Info for manual annotations of cluster K8:

- Start number 112 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L2:

- Start number 122 was manually annotated 28 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 122 was manually annotated 17 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 122 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster M1:

- Start number 104 was manually annotated 12 times for cluster M1.
- Start number 117 was manually annotated 3 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 119 was manually annotated 1 time for cluster M2.
- Start number 120 was manually annotated 5 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 120 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 112 was manually annotated 1 time for cluster N.
- Start number 116 was manually annotated 37 times for cluster N.

Info for manual annotations of cluster R:

- Start number 120 was manually annotated 10 times for cluster R.

Info for manual annotations of cluster UNK:

- Start number 124 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster V:

- Start number 122 was manually annotated 5 times for cluster V.

Gene Information:

Gene: 244_39 Start: 33415, Stop: 33660, Start Num: 122

Candidate Starts for 244_39:

(Start: 122 @33415 has 241 MA's), (141, 33472), (157, 33505), (160, 33511), (178, 33565), (182, 33577),

Gene: 40AC_59 Start: 39531, Stop: 39259, Start Num: 86

Candidate Starts for 40AC_59:

(Start: 86 @39531 has 127 MA's), (Start: 127 @39510 has 5 MA's), (Start: 128 @39504 has 11 MA's), (164, 39417), (173, 39381), (182, 39351),

Gene: A3Wally_218 Start: 118317, Stop: 118063, Start Num: 122

Candidate Starts for A3Wally_218:

(Start: 122 @118317 has 241 MA's), (167, 118203), (176, 118176), (203, 118131),

Gene: A6_54 Start: 38910, Stop: 38635, Start Num: 85

Candidate Starts for A6_54:

(Start: 84 @38913 has 30 MA's), (Start: 85 @38910 has 118 MA's), (Start: 92 @38898 has 4 MA's), (Start: 128 @38868 has 11 MA's), (142, 38817), (148, 38802), (160, 38781), (171, 38751), (179, 38721),

Gene: ABCat_36 Start: 33127, Stop: 33372, Start Num: 122

Candidate Starts for ABCat_36:

(Start: 122 @33127 has 241 MA's), (141, 33184), (157, 33217), (160, 33223), (178, 33277), (182, 33289),

Gene: AEgle_32 Start: 24443, Stop: 24685, Start Num: 121

Candidate Starts for AEgle_32:

(Start: 121 @24443 has 23 MA's),

Gene: AFIS_58 Start: 39979, Stop: 39713, Start Num: 85

Candidate Starts for AFIS_58:

(Start: 84 @39982 has 30 MA's), (Start: 85 @39979 has 118 MA's), (Start: 92 @39967 has 4 MA's), (Start: 128 @39946 has 11 MA's), (142, 39895), (148, 39880), (160, 39859), (171, 39829), (179, 39799), (212, 39724),

Gene: AGrandiflora_34 Start: 24670, Stop: 24936, Start Num: 105

Candidate Starts for AGrandiflora_34:

(18, 24412), (27, 24448), (Start: 105 @24670 has 27 MA's), (180, 24853),

Gene: AN9_61 Start: 38705, Stop: 38394, Start Num: 64

Candidate Starts for AN9_61:

(Start: 64 @38705 has 4 MA's), (Start: 86 @38666 has 127 MA's), (Start: 118 @38657 has 20 MA's), (156, 38564), (173, 38516), (182, 38486),

Gene: ANI8_61 Start: 38705, Stop: 38394, Start Num: 64

Candidate Starts for ANI8_61:

(Start: 64 @38705 has 4 MA's), (Start: 86 @38666 has 127 MA's), (Start: 118 @38657 has 20 MA's), (156, 38564), (173, 38516), (182, 38486),

Gene: AbbyPaige_60 Start: 38775, Stop: 38503, Start Num: 86

Candidate Starts for AbbyPaige_60:

(Start: 86 @38775 has 127 MA's), (Start: 118 @38766 has 20 MA's), (Start: 127 @38754 has 5 MA's), (Start: 128 @38748 has 11 MA's),

Gene: Abbysshoes_63 Start: 41669, Stop: 41403, Start Num: 85

Candidate Starts for Abbysshoes_63:

(Start: 84 @41672 has 30 MA's), (Start: 85 @41669 has 118 MA's), (Start: 92 @41657 has 4 MA's), (Start: 128 @41636 has 11 MA's), (142, 41585), (148, 41570), (160, 41549), (171, 41519), (179, 41489),

Gene: Abrogate_610 Start: 42660, Stop: 42409, Start Num: 103

Candidate Starts for Abrogate_610:

(Start: 85 @42684 has 118 MA's), (Start: 103 @42660 has 5 MA's), (142, 42591), (148, 42576), (160, 42555), (167, 42534), (171, 42525), (179, 42495),

Gene: Abscondus_124 Start: 70975, Stop: 71268, Start Num: 111

Candidate Starts for Abscondus_124:

(Start: 111 @70975 has 18 MA's), (134, 71023), (179, 71152),

Gene: AceofSpades_40 Start: 26694, Stop: 27029, Start Num: 98

Candidate Starts for AceofSpades_40:

(29, 26532), (Start: 98 @26694 has 6 MA's),

Gene: Acme_64 Start: 41595, Stop: 41326, Start Num: 84

Candidate Starts for Acme_64:

(Start: 84 @41595 has 30 MA's), (Start: 85 @41592 has 118 MA's), (Start: 92 @41580 has 4 MA's), (Start: 128 @41559 has 11 MA's), (142, 41508), (148, 41493), (160, 41472), (171, 41442), (179, 41412), (212, 41337),

Gene: Acolyte_53 Start: 37597, Stop: 37325, Start Num: 86

Candidate Starts for Acolyte_53:

(Start: 86 @37597 has 127 MA's), (Start: 118 @37588 has 20 MA's), (Start: 127 @37576 has 5 MA's), (Start: 128 @37570 has 11 MA's), (138, 37534), (157, 37492), (173, 37447),

Gene: ActinUp_66 Start: 43467, Stop: 43709, Start Num: 125

Candidate Starts for ActinUp_66:

(Start: 125 @43467 has 175 MA's), (157, 43557), (195, 43653), (205, 43677),

Gene: AddiRose_51 Start: 34005, Stop: 34238, Start Num: 121

Candidate Starts for AddiRose_51:

(Start: 121 @34005 has 23 MA's), (171, 34140),

Gene: Adephagia_66 Start: 43504, Stop: 43746, Start Num: 125

Candidate Starts for Adephagia_66:

(Start: 125 @43504 has 175 MA's), (157, 43594), (195, 43690), (205, 43714),

Gene: Adnama_40 Start: 33642, Stop: 33887, Start Num: 122

Candidate Starts for Adnama_40:

(Start: 122 @33642 has 241 MA's), (141, 33699), (157, 33732), (160, 33738), (178, 33792), (182, 33804),

Gene: Adolin_32 Start: 23104, Stop: 23349, Start Num: 121

Candidate Starts for Adolin_32:

(13, 22735), (18, 22849), (27, 22885), (Start: 121 @23104 has 23 MA's),

Gene: Adonis_66 Start: 43739, Stop: 43981, Start Num: 125

Candidate Starts for Adonis_66:

(Start: 125 @43739 has 175 MA's), (157, 43829), (195, 43925), (205, 43949),

Gene: Adumb2043_32 Start: 24438, Stop: 24704, Start Num: 101

Candidate Starts for Adumb2043_32:

(7, 23982), (18, 24183), (27, 24219), (Start: 101 @24438 has 4 MA's), (180, 24621),

Gene: Adzzy_59 Start: 37247, Stop: 36975, Start Num: 86

Candidate Starts for Adzzy_59:

(Start: 86 @37247 has 127 MA's), (138, 37184), (160, 37136), (173, 37097), (176, 37085), (182, 37067),

Gene: Aeneas_65 Start: 43097, Stop: 42828, Start Num: 84

Candidate Starts for Aeneas_65:

(Start: 84 @43097 has 30 MA's), (Start: 85 @43094 has 118 MA's), (Start: 92 @43082 has 4 MA's), (Start: 128 @43061 has 11 MA's), (142, 43010), (148, 42995), (160, 42974), (171, 42944), (179, 42914),

Gene: Agaliana_56 Start: 37891, Stop: 37616, Start Num: 85

Candidate Starts for Agaliana_56:

(Start: 84 @37894 has 30 MA's), (Start: 85 @37891 has 118 MA's), (Start: 92 @37879 has 4 MA's), (Start: 128 @37849 has 11 MA's), (142, 37798), (148, 37783), (160, 37762), (171, 37732), (179, 37702),

Gene: Agamoto_5 Start: 4114, Stop: 4374, Start Num: 121

Candidate Starts for Agamoto_5:

(Start: 121 @4114 has 23 MA's), (Start: 122 @4117 has 241 MA's),

Gene: Agape74_60 Start: 38769, Stop: 38497, Start Num: 86

Candidate Starts for Agape74_60:

(Start: 86 @38769 has 127 MA's), (Start: 118 @38760 has 20 MA's), (Start: 127 @38748 has 5 MA's), (Start: 128 @38742 has 11 MA's), (173, 38619),

Gene: Agent47_60 Start: 40769, Stop: 41017, Start Num: 125

Candidate Starts for Agent47_60:

(Start: 125 @40769 has 175 MA's), (172, 40901), (180, 40931), (201, 40964),

Gene: Ageofdapage_70 Start: 44895, Stop: 45137, Start Num: 125

Candidate Starts for Ageofdapage_70:

(Start: 125 @44895 has 175 MA's), (157, 44985), (195, 45081), (205, 45105),

Gene: AinMach_35 Start: 25558, Stop: 25839, Start Num: 121

Candidate Starts for AinMach_35:

(36, 25390), (Start: 103 @25534 has 5 MA's), (Start: 121 @25558 has 23 MA's), (173, 25723),

Gene: AirForce1_46 Start: 33134, Stop: 33424, Start Num: 108

Candidate Starts for AirForce1_46:

(53, 33035), (Start: 108 @33134 has 6 MA's), (134, 33185), (138, 33200), (176, 33302), (179, 33314),

Gene: Ajay_62 Start: 41482, Stop: 41216, Start Num: 85

Candidate Starts for Ajay_62:

(Start: 84 @41485 has 30 MA's), (Start: 85 @41482 has 118 MA's), (Start: 92 @41470 has 4 MA's), (Start: 128 @41449 has 11 MA's), (142, 41398), (148, 41383), (160, 41362), (171, 41332), (179,

41302), (212, 41227),

Gene: Akoni_9 Start: 6089, Stop: 5751, Start Num: 115

Candidate Starts for Akoni_9:

(52, 6161), (Start: 115 @6089 has 53 MA's), (Start: 130 @6050 has 9 MA's), (147, 5978), (162, 5939), (168, 5897), (210, 5798),

Gene: Aldrich_58 Start: 40769, Stop: 40503, Start Num: 85

Candidate Starts for Aldrich_58:

(Start: 84 @40772 has 30 MA's), (Start: 85 @40769 has 118 MA's), (Start: 92 @40757 has 4 MA's), (Start: 128 @40736 has 11 MA's), (142, 40685), (148, 40670), (160, 40649), (171, 40619), (179, 40589),

Gene: Alex44_9 Start: 6356, Stop: 6036, Start Num: 115

Candidate Starts for Alex44_9:

(47, 6476), (61, 6446), (Start: 115 @6356 has 53 MA's), (133, 6305), (137, 6290), (149, 6242), (192, 6101),

Gene: AlishaPH_66 Start: 43765, Stop: 44007, Start Num: 125

Candidate Starts for AlishaPH_66:

(Start: 125 @43765 has 175 MA's), (157, 43855), (195, 43951), (205, 43975),

Gene: Aliter_58 Start: 38153, Stop: 37881, Start Num: 86

Candidate Starts for Aliter_58:

(Start: 86 @38153 has 127 MA's), (Start: 118 @38144 has 20 MA's), (139, 38087), (156, 38051), (170, 38012), (178, 37985), (182, 37973),

Gene: AlleyCat_62 Start: 41081, Stop: 41329, Start Num: 125

Candidate Starts for AlleyCat_62:

(Start: 125 @41081 has 175 MA's), (148, 41156), (177, 41228),

Gene: Alma_58 Start: 38528, Stop: 38256, Start Num: 86

Candidate Starts for Alma_58:

(Start: 86 @38528 has 127 MA's), (Start: 118 @38519 has 20 MA's), (139, 38462), (156, 38426), (170, 38387), (178, 38360), (182, 38348),

Gene: AloeVera_9 Start: 6089, Stop: 5751, Start Num: 115

Candidate Starts for AloeVera_9:

(52, 6161), (Start: 115 @6089 has 53 MA's), (147, 5978), (162, 5939), (210, 5798),

Gene: Alsfro_68 Start: 41762, Stop: 41487, Start Num: 85

Candidate Starts for Alsfro_68:

(Start: 84 @41765 has 30 MA's), (Start: 85 @41762 has 118 MA's), (Start: 92 @41750 has 4 MA's), (Start: 128 @41720 has 11 MA's), (142, 41669), (148, 41654), (160, 41633), (171, 41603), (179, 41573), (212, 41498),

Gene: Altman_64 Start: 41400, Stop: 41125, Start Num: 85

Candidate Starts for Altman_64:

(Start: 84 @41403 has 30 MA's), (Start: 85 @41400 has 118 MA's), (Start: 92 @41388 has 4 MA's), (142, 41307), (148, 41292), (160, 41271), (171, 41241), (179, 41211),

Gene: Alvin_62 Start: 41227, Stop: 40952, Start Num: 85

Candidate Starts for Alvin_62:

(38, 41332), (40, 41329), (58, 41284), (67, 41266), (Start: 84 @41230 has 30 MA's), (Start: 85 @41227 has 118 MA's), (Start: 92 @41215 has 4 MA's), (Start: 128 @41185 has 11 MA's), (142, 41134), (148, 41119), (160, 41098), (171, 41068), (179, 41038), (203, 40993), (212, 40963),

Gene: Amao_37 Start: 32339, Stop: 32584, Start Num: 122

Candidate Starts for Amao_37:

(Start: 122 @32339 has 241 MA's), (141, 32396), (157, 32429), (160, 32435), (176, 32483), (178, 32489), (182, 32501),

Gene: Amelie_55 Start: 40941, Stop: 41186, Start Num: 125

Candidate Starts for Amelie_55:

(69, 40869), (Start: 125 @40941 has 175 MA's), (165, 41046), (177, 41088), (195, 41124),

Gene: AmericanBeauty_39 Start: 33122, Stop: 33367, Start Num: 122

Candidate Starts for AmericanBeauty_39:

(Start: 122 @33122 has 241 MA's), (141, 33179), (157, 33212), (160, 33218), (178, 33272), (182, 33284),

Gene: Amohnition_66 Start: 44113, Stop: 44352, Start Num: 125

Candidate Starts for Amohnition_66:

(Start: 125 @44113 has 175 MA's), (157, 44203), (177, 44263),

Gene: Amploria_32 Start: 24442, Stop: 24684, Start Num: 121

Candidate Starts for Amploria_32:

(Start: 121 @24442 has 23 MA's),

Gene: Amyev_33 Start: 26378, Stop: 26620, Start Num: 106

Candidate Starts for Amyev_33:

(Start: 106 @26378 has 5 MA's),

Gene: Anaya_69 Start: 44458, Stop: 44700, Start Num: 125

Candidate Starts for Anaya_69:

(69, 44380), (Start: 125 @44458 has 175 MA's), (157, 44548), (195, 44644), (205, 44668),

Gene: Anaysia_64 Start: 37667, Stop: 37398, Start Num: 112

Candidate Starts for Anaysia_64:

(10, 38111), (11, 38087), (15, 38009), (Start: 112 @37667 has 27 MA's), (182, 37490), (204, 37451),

Gene: Andies_48 Start: 34452, Stop: 34700, Start Num: 116

Candidate Starts for Andies_48:

(Start: 116 @34452 has 37 MA's), (Start: 127 @34464 has 5 MA's), (179, 34614), (180, 34617), (218, 34692),

Gene: Aneem_58 Start: 37786, Stop: 37514, Start Num: 86

Candidate Starts for Aneem_58:

(Start: 86 @37786 has 127 MA's), (Start: 118 @37777 has 20 MA's), (182, 37606),

Gene: Angelica_66 Start: 43657, Stop: 43899, Start Num: 125

Candidate Starts for Angelica_66:

(Start: 125 @43657 has 175 MA's), (157, 43747), (195, 43843), (205, 43867),

Gene: Anglerfish_62 Start: 41575, Stop: 41306, Start Num: 84

Candidate Starts for Anglerfish_62:

(Start: 84 @41575 has 30 MA's), (Start: 85 @41572 has 118 MA's), (Start: 92 @41560 has 4 MA's), (Start: 127 @41545 has 5 MA's), (Start: 128 @41539 has 11 MA's), (142, 41488), (148, 41473), (160, 41452), (171, 41422), (179, 41392),

Gene: Anma_68 Start: 44362, Stop: 44604, Start Num: 125
Candidate Starts for Anma_68:
(Start: 125 @44362 has 175 MA's), (157, 44452), (195, 44548), (205, 44572),

Gene: AnnabelLee_3 Start: 977, Stop: 1246, Start Num: 118
Candidate Starts for AnnabelLee_3:
(Start: 118 @977 has 20 MA's),

Gene: Anon_61 Start: 37216, Stop: 36947, Start Num: 112
Candidate Starts for Anon_61:
(Start: 112 @37216 has 27 MA's), (171, 37075), (197, 37018), (210, 36982),

Gene: Anselm_59 Start: 38676, Stop: 38404, Start Num: 86
Candidate Starts for Anselm_59:
(Start: 86 @38676 has 127 MA's), (Start: 118 @38667 has 20 MA's), (Start: 127 @38655 has 5 MA's), (Start: 128 @38649 has 11 MA's), (173, 38526), (182, 38496),

Gene: Anthony_54 Start: 36233, Stop: 35961, Start Num: 86
Candidate Starts for Anthony_54:
(Start: 86 @36233 has 127 MA's), (Start: 118 @36224 has 20 MA's), (Start: 128 @36206 has 11 MA's), (134, 36185), (182, 36053),

Gene: Aphelion_125 Start: 72038, Stop: 72331, Start Num: 111
Candidate Starts for Aphelion_125:
(Start: 111 @72038 has 18 MA's), (134, 72086), (179, 72215),

Gene: Apocalypse_69 Start: 44420, Stop: 44662, Start Num: 124
Candidate Starts for Apocalypse_69:
(Start: 124 @44420 has 6 MA's), (157, 44510), (195, 44606), (205, 44630),

Gene: Applecrisp_63 Start: 43695, Stop: 43937, Start Num: 125
Candidate Starts for Applecrisp_63:
(71, 43626), (Start: 125 @43695 has 175 MA's), (Start: 128 @43704 has 11 MA's), (142, 43755), (157, 43785), (195, 43881), (205, 43905),

Gene: Applejack_60 Start: 39669, Stop: 39418, Start Num: 103
Candidate Starts for Applejack_60:
(Start: 85 @39693 has 118 MA's), (Start: 103 @39669 has 5 MA's), (142, 39600), (148, 39585), (160, 39564), (171, 39534), (179, 39504),

Gene: ArMaWen_9 Start: 6356, Stop: 6033, Start Num: 115
Candidate Starts for ArMaWen_9:
(61, 6446), (Start: 115 @6356 has 53 MA's), (133, 6305), (143, 6260), (149, 6242), (203, 6086),

Gene: Arcanine_64 Start: 42296, Stop: 42030, Start Num: 85
Candidate Starts for Arcanine_64:
(Start: 84 @42299 has 30 MA's), (Start: 85 @42296 has 118 MA's), (Start: 92 @42284 has 4 MA's), (Start: 127 @42269 has 5 MA's), (Start: 128 @42263 has 11 MA's), (142, 42212), (148, 42197), (160, 42176), (171, 42146), (179, 42116),

Gene: Archie_32 Start: 28911, Stop: 29177, Start Num: 122

Candidate Starts for Archie_32:

(Start: 122 @28911 has 241 MA's), (136, 28956), (158, 29007), (168, 29025), (183, 29073), (212, 29145), (221, 29166),

Gene: Argent26_39 Start: 33125, Stop: 33370, Start Num: 122

Candidate Starts for Argent26_39:

(Start: 122 @33125 has 241 MA's), (141, 33182), (157, 33215), (160, 33221), (178, 33275), (182, 33287),

Gene: Ariel_51 Start: 40408, Stop: 40647, Start Num: 128

Candidate Starts for Ariel_51:

(Start: 128 @40408 has 11 MA's), (135, 40435), (157, 40489), (158, 40492), (179, 40549), (195, 40585),

Gene: Arissanae_57 Start: 38844, Stop: 38572, Start Num: 86

Candidate Starts for Arissanae_57:

(Start: 86 @38844 has 127 MA's), (Start: 118 @38835 has 20 MA's), (138, 38781), (156, 38742), (173, 38694),

Gene: Artu_100 Start: 83547, Stop: 83807, Start Num: 122

Candidate Starts for Artu_100:

(Start: 122 @83547 has 241 MA's), (203, 83736), (215, 83766), (217, 83769),

Gene: Asa16_34 Start: 26607, Stop: 26864, Start Num: 121

Candidate Starts for Asa16_34:

(18, 26370), (20, 26379), (Start: 121 @26607 has 23 MA's), (137, 26655), (182, 26772),

Gene: Asayake_66 Start: 43819, Stop: 44061, Start Num: 125

Candidate Starts for Asayake_66:

(Start: 125 @43819 has 175 MA's), (157, 43909), (195, 44005), (205, 44029),

Gene: Ascela_34 Start: 24798, Stop: 25064, Start Num: 105

Candidate Starts for Ascela_34:

(Start: 105 @24798 has 27 MA's), (180, 24981),

Gene: Ashballer_65 Start: 42043, Stop: 41777, Start Num: 85

Candidate Starts for Ashballer_65:

(Start: 84 @42046 has 30 MA's), (Start: 85 @42043 has 118 MA's), (Start: 92 @42031 has 4 MA's), (Start: 128 @42010 has 11 MA's), (142, 41959), (148, 41944), (160, 41923), (171, 41893), (179, 41863),

Gene: Ashes_31 Start: 22585, Stop: 22851, Start Num: 113

Candidate Starts for Ashes_31:

(Start: 113 @22585 has 23 MA's), (Start: 125 @22600 has 175 MA's), (144, 22663), (151, 22681), (201, 22783),

Gene: Ashton_9 Start: 6093, Stop: 5755, Start Num: 115

Candidate Starts for Ashton_9:

(52, 6165), (Start: 115 @6093 has 53 MA's), (Start: 130 @6054 has 9 MA's), (147, 5982), (162, 5943), (168, 5901), (210, 5802),

Gene: Asriel_36 Start: 31996, Stop: 32241, Start Num: 122

Candidate Starts for Asriel_36:

(Start: 122 @31996 has 241 MA's), (141, 32053), (157, 32086), (160, 32092), (178, 32146), (182, 32158),

Gene: Astartes_9 Start: 6131, Stop: 5775, Start Num: 115

Candidate Starts for Astartes_9:

(Start: 115 @6131 has 53 MA's), (Start: 130 @6092 has 9 MA's), (134, 6077), (162, 5981), (189, 5873), (193, 5864), (208, 5825),

Gene: Atiba_67 Start: 43467, Stop: 43709, Start Num: 125

Candidate Starts for Atiba_67:

(Start: 125 @43467 has 175 MA's), (157, 43557), (195, 43653), (205, 43677),

Gene: Atkinbua_64 Start: 41089, Stop: 40823, Start Num: 83

Candidate Starts for Atkinbua_64:

(Start: 83 @41089 has 6 MA's), (Start: 92 @41077 has 4 MA's), (Start: 128 @41056 has 11 MA's), (142, 41005), (148, 40990), (160, 40969), (171, 40939), (179, 40909), (212, 40834),

Gene: Atraxi_9 Start: 6096, Stop: 5740, Start Num: 115

Candidate Starts for Atraxi_9:

(Start: 115 @6096 has 53 MA's), (Start: 130 @6057 has 9 MA's), (134, 6042), (193, 5829), (208, 5790),

Gene: Atuin_102 Start: 87057, Stop: 87320, Start Num: 122

Candidate Starts for Atuin_102:

(Start: 122 @87057 has 241 MA's), (203, 87246),

Gene: Audell_6 Start: 4387, Stop: 4647, Start Num: 121

Candidate Starts for Audell_6:

(Start: 121 @4387 has 23 MA's), (152, 4477), (176, 4534),

Gene: Auspice_39 Start: 32780, Stop: 33040, Start Num: 117

Candidate Starts for Auspice_39:

(46, 32651), (Start: 104 @32762 has 14 MA's), (Start: 117 @32780 has 4 MA's), (142, 32843), (177, 32930), (179, 32939), (183, 32948),

Gene: Ayanochan_59 Start: 38311, Stop: 38039, Start Num: 86

Candidate Starts for Ayanochan_59:

(Start: 86 @38311 has 127 MA's), (Start: 118 @38302 has 20 MA's), (139, 38245), (156, 38209), (170, 38170), (178, 38143), (182, 38131),

Gene: Aziz_44 Start: 33930, Stop: 34181, Start Num: 120

Candidate Starts for Aziz_44:

(Start: 120 @33930 has 24 MA's), (157, 34023), (175, 34074), (176, 34077), (180, 34092), (208, 34146),

Gene: Azrael100_52 Start: 39360, Stop: 39608, Start Num: 122

Candidate Starts for Azrael100_52:

(Start: 122 @39360 has 241 MA's), (154, 39441), (171, 39489), (180, 39522), (182, 39525), (183, 39528), (195, 39561), (208, 39597),

Gene: BAKA_56 Start: 44234, Stop: 44479, Start Num: 122

Candidate Starts for BAKA_56:

(Start: 122 @44234 has 241 MA's), (142, 44297), (157, 44327), (158, 44330), (180, 44390), (182, 44393), (183, 44396),

Gene: BEEST_66 Start: 43819, Stop: 44061, Start Num: 125

Candidate Starts for BEEST_66:

(Start: 125 @43819 has 175 MA's), (157, 43909), (195, 44005), (205, 44029),

Gene: BGIlluviae_66 Start: 43622, Stop: 43864, Start Num: 125

Candidate Starts for BGIlluviae_66:

(Start: 125 @43622 has 175 MA's), (157, 43712), (195, 43808), (205, 43832),

Gene: BK1_54 Start: 38910, Stop: 38635, Start Num: 85

Candidate Starts for BK1_54:

(Start: 84 @38913 has 30 MA's), (Start: 85 @38910 has 118 MA's), (Start: 92 @38898 has 4 MA's), (Start: 128 @38868 has 11 MA's), (142, 38817), (148, 38802), (160, 38781), (171, 38751), (179, 38721),

Gene: BPBiabs31_64 Start: 41826, Stop: 41557, Start Num: 84

Candidate Starts for BPBiabs31_64:

(Start: 84 @41826 has 30 MA's), (Start: 85 @41823 has 118 MA's), (Start: 92 @41811 has 4 MA's), (Start: 127 @41796 has 5 MA's), (Start: 128 @41790 has 11 MA's), (148, 41724), (160, 41703), (171, 41673), (179, 41643),

Gene: BabeRuth_56 Start: 36173, Stop: 36421, Start Num: 116

Candidate Starts for BabeRuth_56:

(Start: 116 @36173 has 37 MA's), (Start: 127 @36185 has 5 MA's), (179, 36335), (180, 36338), (218, 36413),

Gene: BaboJay_37 Start: 33214, Stop: 33462, Start Num: 121

Candidate Starts for BaboJay_37:

(79, 33145), (81, 33148), (Start: 94 @33175 has 10 MA's), (Start: 121 @33214 has 23 MA's), (141, 33274), (157, 33307), (160, 33313), (178, 33367), (182, 33379),

Gene: Bachita_128 Start: 71997, Stop: 72287, Start Num: 113

Candidate Starts for Bachita_128:

(54, 71889), (62, 71904), (Start: 84 @71949 has 30 MA's), (Start: 113 @71997 has 23 MA's), (134, 72042), (179, 72171),

Gene: Bachome_59 Start: 37766, Stop: 37494, Start Num: 86

Candidate Starts for Bachome_59:

(Start: 86 @37766 has 127 MA's), (Start: 118 @37757 has 20 MA's), (173, 37616),

Gene: BaconJack_66 Start: 44013, Stop: 43747, Start Num: 85

Candidate Starts for BaconJack_66:

(Start: 84 @44016 has 30 MA's), (Start: 85 @44013 has 118 MA's), (Start: 92 @44001 has 4 MA's), (Start: 128 @43980 has 11 MA's), (142, 43929), (148, 43914), (160, 43893), (171, 43863), (179, 43833),

Gene: BadStone_36 Start: 33127, Stop: 33372, Start Num: 122

Candidate Starts for BadStone_36:

(Start: 122 @33127 has 241 MA's), (141, 33184), (157, 33217), (160, 33223), (176, 33271), (178, 33277), (182, 33289),

Gene: BaghaKamala_66 Start: 43286, Stop: 43528, Start Num: 125
Candidate Starts for BaghaKamala_66:
(Start: 85 @43241 has 118 MA's), (Start: 125 @43286 has 175 MA's), (157, 43376), (195, 43472),
(205, 43496),

Gene: Bagrid_51 Start: 43567, Stop: 43812, Start Num: 122
Candidate Starts for Bagrid_51:
(Start: 122 @43567 has 241 MA's), (142, 43630), (157, 43660), (158, 43663), (180, 43723), (182,
43726), (183, 43729),

Gene: Balomoji_36 Start: 32861, Stop: 33106, Start Num: 122
Candidate Starts for Balomoji_36:
(Start: 122 @32861 has 241 MA's), (141, 32918), (157, 32951), (160, 32957), (176, 33005), (178,
33011), (182, 33023),

Gene: BananenDer11_60 Start: 40730, Stop: 40978, Start Num: 125
Candidate Starts for BananenDer11_60:
(Start: 125 @40730 has 175 MA's), (172, 40862), (180, 40892), (201, 40925),

Gene: Banquo_62 Start: 38905, Stop: 39129, Start Num: 125
Candidate Starts for Banquo_62:
(Start: 125 @38905 has 175 MA's), (137, 38947), (157, 38992), (164, 39001), (178, 39052), (180,
39061), (194, 39082),

Gene: Bantam_85 Start: 57381, Stop: 57115, Start Num: 111
Candidate Starts for Bantam_85:
(Start: 111 @57381 has 18 MA's), (132, 57333),

Gene: Baoshan_31 Start: 28243, Stop: 28509, Start Num: 122
Candidate Starts for Baoshan_31:
(Start: 122 @28243 has 241 MA's), (136, 28288), (158, 28339), (212, 28477), (221, 28498),

Gene: Barbarian_36 Start: 31996, Stop: 32241, Start Num: 122
Candidate Starts for Barbarian_36:
(Start: 122 @31996 has 241 MA's), (141, 32053), (157, 32086), (160, 32092), (178, 32146), (182,
32158),

Gene: BarnCat_46 Start: 30635, Stop: 30874, Start Num: 127
Candidate Starts for BarnCat_46:
(55, 30518), (65, 30536), (Start: 127 @30635 has 5 MA's), (142, 30692), (156, 30719), (160, 30728),

Gene: Barnstormer_41 Start: 26907, Stop: 27167, Start Num: 118
Candidate Starts for Barnstormer_41:
(44, 26781), (Start: 118 @26907 has 20 MA's),

Gene: BarrelRoll_67 Start: 43905, Stop: 44147, Start Num: 125
Candidate Starts for BarrelRoll_67:
(Start: 125 @43905 has 175 MA's), (157, 43995), (195, 44091), (205, 44115),

Gene: Barriga_65 Start: 40220, Stop: 39954, Start Num: 85
Candidate Starts for Barriga_65:
(Start: 84 @40223 has 30 MA's), (Start: 85 @40220 has 118 MA's), (Start: 92 @40208 has 4 MA's),
(Start: 128 @40187 has 11 MA's), (142, 40136), (148, 40121), (160, 40100), (171, 40070), (179,

40040), (212, 39965),

Gene: Barroma_9 Start: 6089, Stop: 5751, Start Num: 115

Candidate Starts for Barroma_9:

(52, 6161), (Start: 115 @6089 has 53 MA's), (Start: 130 @6050 has 9 MA's), (147, 5978), (162, 5939), (210, 5798),

Gene: BarrowTuph_63 Start: 41075, Stop: 40809, Start Num: 85

Candidate Starts for BarrowTuph_63:

(Start: 84 @41078 has 30 MA's), (Start: 85 @41075 has 118 MA's), (Start: 92 @41063 has 4 MA's), (Start: 128 @41042 has 11 MA's), (142, 40991), (148, 40976), (160, 40955), (171, 40925), (179, 40895),

Gene: Bask21_37 Start: 32313, Stop: 32558, Start Num: 122

Candidate Starts for Bask21_37:

(Start: 122 @32313 has 241 MA's), (141, 32370), (157, 32403), (160, 32409), (178, 32463), (182, 32475),

Gene: Battleship_66 Start: 37873, Stop: 37604, Start Num: 112

Candidate Starts for Battleship_66:

(10, 38317), (15, 38215), (Start: 112 @37873 has 27 MA's), (182, 37696),

Gene: Bazzle_32 Start: 28660, Stop: 28926, Start Num: 122

Candidate Starts for Bazzle_32:

(Start: 122 @28660 has 241 MA's), (136, 28705), (158, 28756), (168, 28774), (183, 28822), (212, 28894), (221, 28915),

Gene: Beaupre_31 Start: 22586, Stop: 22852, Start Num: 113

Candidate Starts for Beaupre_31:

(Start: 113 @22586 has 23 MA's), (Start: 125 @22601 has 175 MA's), (144, 22664), (151, 22682), (201, 22784),

Gene: Becksu_37 Start: 33318, Stop: 33563, Start Num: 122

Candidate Starts for Becksu_37:

(Start: 122 @33318 has 241 MA's), (141, 33375), (157, 33408), (160, 33414), (178, 33468), (182, 33480),

Gene: Beem_52 Start: 44133, Stop: 44378, Start Num: 122

Candidate Starts for Beem_52:

(Start: 122 @44133 has 241 MA's), (142, 44196), (157, 44226), (158, 44229), (180, 44289), (182, 44292), (183, 44295),

Gene: Beemo_58 Start: 38323, Stop: 38051, Start Num: 86

Candidate Starts for Beemo_58:

(Start: 86 @38323 has 127 MA's), (Start: 118 @38314 has 20 MA's), (139, 38257), (156, 38221), (170, 38182), (178, 38155), (182, 38143),

Gene: BeesKnees_64 Start: 40665, Stop: 40390, Start Num: 85

Candidate Starts for BeesKnees_64:

(Start: 85 @40665 has 118 MA's), (Start: 92 @40653 has 4 MA's), (142, 40572), (148, 40557), (160, 40536), (171, 40506), (179, 40476),

Gene: Beezoo_68 Start: 44417, Stop: 44659, Start Num: 125

Candidate Starts for Beezoo_68:

(Start: 125 @44417 has 175 MA's), (157, 44507), (195, 44603), (205, 44627),

Gene: Bella96_67 Start: 44208, Stop: 44450, Start Num: 125

Candidate Starts for Bella96_67:

(Start: 125 @44208 has 175 MA's), (157, 44298), (195, 44394), (205, 44418),

Gene: Belladonna_66 Start: 43622, Stop: 43864, Start Num: 125

Candidate Starts for Belladonna_66:

(Start: 125 @43622 has 175 MA's), (157, 43712), (195, 43808), (205, 43832),

Gene: Bellis_31 Start: 28787, Stop: 29053, Start Num: 122

Candidate Starts for Bellis_31:

(Start: 122 @28787 has 241 MA's), (Start: 128 @28799 has 11 MA's), (136, 28832),

Gene: Bellris_57 Start: 37989, Stop: 37717, Start Num: 86

Candidate Starts for Bellris_57:

(Start: 86 @37989 has 127 MA's), (Start: 118 @37980 has 20 MA's), (139, 37923), (156, 37887), (173, 37839),

Gene: Bench_39 Start: 32995, Stop: 33240, Start Num: 122

Candidate Starts for Bench_39:

(Start: 122 @32995 has 241 MA's), (141, 33052), (157, 33085), (160, 33091), (178, 33145), (182, 33157),

Gene: Benvolio_55 Start: 37700, Stop: 37428, Start Num: 86

Candidate Starts for Benvolio_55:

(Start: 86 @37700 has 127 MA's), (Start: 118 @37691 has 20 MA's), (Start: 127 @37679 has 5 MA's), (Start: 128 @37673 has 11 MA's), (173, 37550),

Gene: Bern_68 Start: 42879, Stop: 43121, Start Num: 125

Candidate Starts for Bern_68:

(Start: 85 @42834 has 118 MA's), (Start: 125 @42879 has 175 MA's), (157, 42969), (195, 43065), (205, 43089),

Gene: Berrie_34 Start: 25682, Stop: 25942, Start Num: 105

Candidate Starts for Berrie_34:

(18, 25445), (21, 25454), (Start: 105 @25682 has 27 MA's),

Gene: Bethlehem_61 Start: 42502, Stop: 42233, Start Num: 84

Candidate Starts for Bethlehem_61:

(Start: 84 @42502 has 30 MA's), (Start: 85 @42499 has 118 MA's), (Start: 92 @42487 has 4 MA's), (Start: 105 @42472 has 27 MA's), (Start: 128 @42466 has 11 MA's), (142, 42415), (148, 42400), (160, 42379), (171, 42349), (179, 42319), (212, 42244),

Gene: Big3_63 Start: 42551, Stop: 42288, Start Num: 85

Candidate Starts for Big3_63:

(Start: 84 @42554 has 30 MA's), (Start: 85 @42551 has 118 MA's), (Start: 92 @42539 has 4 MA's), (Start: 128 @42518 has 11 MA's), (142, 42467), (148, 42452), (160, 42431), (171, 42401), (179, 42371), (212, 42299),

Gene: Big4_204 Start: 114726, Stop: 114472, Start Num: 122

Candidate Starts for Big4_204:

(90, 114774), (Start: 122 @114726 has 241 MA's),

Gene: BigBubba_38 Start: 32898, Stop: 33143, Start Num: 122

Candidate Starts for BigBubba_38:

(Start: 122 @32898 has 241 MA's), (141, 32955), (157, 32988), (160, 32994), (176, 33042), (178, 33048), (182, 33060),

Gene: BigCheese_32 Start: 28422, Stop: 28688, Start Num: 122

Candidate Starts for BigCheese_32:

(Start: 122 @28422 has 241 MA's), (136, 28467), (158, 28518), (183, 28584), (212, 28656), (221, 28677),

Gene: BigPaolini_59 Start: 39208, Stop: 38933, Start Num: 85

Candidate Starts for BigPaolini_59:

(Start: 84 @39211 has 30 MA's), (Start: 85 @39208 has 118 MA's), (Start: 92 @39196 has 4 MA's), (Start: 128 @39166 has 11 MA's), (142, 39115), (148, 39100), (160, 39079), (171, 39049), (179, 39019),

Gene: Bigchungji_61 Start: 41000, Stop: 40725, Start Num: 85

Candidate Starts for Bigchungji_61:

(Start: 84 @41003 has 30 MA's), (Start: 85 @41000 has 118 MA's), (Start: 92 @40988 has 4 MA's), (142, 40907), (148, 40892), (160, 40871), (171, 40841), (179, 40811),

Gene: Bigfoot_54 Start: 40154, Stop: 39888, Start Num: 85

Candidate Starts for Bigfoot_54:

(Start: 84 @40157 has 30 MA's), (Start: 85 @40154 has 118 MA's), (Start: 92 @40142 has 4 MA's), (Start: 128 @40121 has 11 MA's), (142, 40070), (148, 40055), (160, 40034), (171, 40004), (179, 39974),

Gene: Biglebops_55 Start: 40941, Stop: 41186, Start Num: 125

Candidate Starts for Biglebops_55:

(69, 40869), (Start: 125 @40941 has 175 MA's), (165, 41046), (177, 41088), (195, 41124),

Gene: BilboSwaggins_37 Start: 33135, Stop: 33380, Start Num: 122

Candidate Starts for BilboSwaggins_37:

(Start: 122 @33135 has 241 MA's), (141, 33192), (157, 33225), (160, 33231), (178, 33285), (182, 33297),

Gene: Biozilla_9 Start: 6310, Stop: 5987, Start Num: 115

Candidate Starts for Biozilla_9:

(33, 6478), (37, 6460), (50, 6427), (Start: 115 @6310 has 53 MA's), (133, 6259), (137, 6244), (149, 6196), (177, 6088), (203, 6040), (208, 6022),

Gene: Bircsak_61 Start: 42809, Stop: 42543, Start Num: 85

Candidate Starts for Bircsak_61:

(Start: 84 @42812 has 30 MA's), (Start: 85 @42809 has 118 MA's), (Start: 92 @42797 has 4 MA's), (Start: 128 @42776 has 11 MA's), (142, 42725), (148, 42710), (160, 42689), (171, 42659), (179, 42629),

Gene: Birdfeeder_9 Start: 6368, Stop: 6045, Start Num: 115

Candidate Starts for Birdfeeder_9:

(Start: 115 @6368 has 53 MA's), (133, 6317), (149, 6254), (203, 6098),

Gene: BlackJade_54 Start: 34939, Stop: 35229, Start Num: 108

Candidate Starts for BlackJade_54:

(Start: 108 @34939 has 6 MA's), (Start: 128 @34969 has 11 MA's), (134, 34990), (138, 35005), (156, 35053), (171, 35089), (176, 35107), (183, 35128), (220, 35203),

Gene: Blackflame_58 Start: 40747, Stop: 40481, Start Num: 85

Candidate Starts for Blackflame_58:

(Start: 84 @40750 has 30 MA's), (Start: 85 @40747 has 118 MA's), (Start: 92 @40735 has 4 MA's), (Start: 128 @40714 has 11 MA's), (142, 40663), (148, 40648), (160, 40627), (171, 40597), (179, 40567), (212, 40492),

Gene: Blesser_58 Start: 40182, Stop: 39916, Start Num: 85

Candidate Starts for Blesser_58:

(Start: 84 @40185 has 30 MA's), (Start: 85 @40182 has 118 MA's), (Start: 92 @40170 has 4 MA's), (Start: 128 @40149 has 11 MA's), (142, 40098), (148, 40083), (160, 40062), (171, 40032), (179, 40002),

Gene: Blizzard_66 Start: 43819, Stop: 44061, Start Num: 125

Candidate Starts for Blizzard_66:

(Start: 125 @43819 has 175 MA's), (157, 43909), (195, 44005), (205, 44029),

Gene: Bloom_112 Start: 87140, Stop: 87388, Start Num: 122

Candidate Starts for Bloom_112:

(Start: 122 @87140 has 241 MA's), (Start: 127 @87146 has 5 MA's), (Start: 128 @87152 has 11 MA's),

Gene: Blue_61 Start: 41818, Stop: 41588, Start Num: 128

Candidate Starts for Blue_61:

(Start: 84 @41857 has 30 MA's), (Start: 85 @41854 has 118 MA's), (Start: 92 @41842 has 4 MA's), (Start: 128 @41818 has 11 MA's), (141, 41773), (148, 41755), (171, 41704), (203, 41629), (212, 41599),

Gene: Bluvara_58 Start: 40303, Stop: 40536, Start Num: 127

Candidate Starts for Bluvara_58:

(Start: 112 @40291 has 27 MA's), (Start: 127 @40303 has 5 MA's), (Start: 128 @40309 has 11 MA's), (153, 40375), (172, 40420), (180, 40450),

Gene: BobSwaget_54 Start: 37176, Stop: 36904, Start Num: 86

Candidate Starts for BobSwaget_54:

(Start: 86 @37176 has 127 MA's), (Start: 128 @37149 has 11 MA's), (173, 37026), (182, 36996),

Gene: Bobby_51 Start: 42712, Stop: 42957, Start Num: 122

Candidate Starts for Bobby_51:

(Start: 122 @42712 has 241 MA's), (174, 42844),

Gene: BobsGarage_32 Start: 28422, Stop: 28688, Start Num: 122

Candidate Starts for BobsGarage_32:

(Start: 122 @28422 has 241 MA's), (136, 28467), (158, 28518), (183, 28584), (212, 28656), (221, 28677),

Gene: Bogg_38 Start: 32564, Stop: 32812, Start Num: 121

Candidate Starts for Bogg_38:

(79, 32495), (81, 32498), (Start: 94 @32525 has 10 MA's), (Start: 121 @32564 has 23 MA's), (141, 32624), (157, 32657), (160, 32663), (178, 32717), (182, 32729),

Gene: BogosyJay_57 Start: 38245, Stop: 37973, Start Num: 86

Candidate Starts for BogosyJay_57:

(Start: 86 @38245 has 127 MA's), (Start: 118 @38236 has 20 MA's), (139, 38179), (156, 38143), (182, 38065),

Gene: Boiiii_66 Start: 43821, Stop: 44063, Start Num: 125

Candidate Starts for Boiiii_66:

(Start: 125 @43821 has 175 MA's), (157, 43911), (195, 44007), (205, 44031),

Gene: Boilgate_63 Start: 45255, Stop: 45500, Start Num: 112

Candidate Starts for Boilgate_63:

(Start: 112 @45255 has 27 MA's), (Start: 126 @45270 has 1 MA's), (213, 45486), (214, 45489),

Gene: Bombitas_49 Start: 43727, Stop: 43975, Start Num: 122

Candidate Starts for Bombitas_49:

(Start: 122 @43727 has 241 MA's), (174, 43859),

Gene: Bongo_39 Start: 32762, Stop: 33040, Start Num: 104

Candidate Starts for Bongo_39:

(46, 32651), (Start: 104 @32762 has 14 MA's), (Start: 117 @32780 has 4 MA's), (142, 32843), (177, 32930), (179, 32939), (183, 32948),

Gene: BooTeria_104 Start: 83660, Stop: 83920, Start Num: 122

Candidate Starts for BooTeria_104:

(Start: 122 @83660 has 241 MA's), (203, 83849), (215, 83879), (217, 83882),

Gene: Boohoo_64 Start: 37667, Stop: 37398, Start Num: 112

Candidate Starts for Boohoo_64:

(10, 38111), (11, 38087), (15, 38009), (Start: 112 @37667 has 27 MA's), (182, 37490), (204, 37451),

Gene: BoostSeason_69 Start: 45667, Stop: 45912, Start Num: 125

Candidate Starts for BoostSeason_69:

(72, 45610), (76, 45616), (Start: 125 @45667 has 175 MA's), (157, 45757), (180, 45826), (195, 45850), (216, 45904),

Gene: Bosection6_49 Start: 33918, Stop: 34166, Start Num: 116

Candidate Starts for Bosection6_49:

(6, 33354), (14, 33573), (28, 33711), (31, 33744), (66, 33840), (Start: 116 @33918 has 37 MA's), (Start: 127 @33930 has 5 MA's), (157, 34014), (179, 34080), (180, 34083),

Gene: Bowtie_58 Start: 37793, Stop: 37521, Start Num: 86

Candidate Starts for Bowtie_58:

(Start: 86 @37793 has 127 MA's), (Start: 118 @37784 has 20 MA's), (182, 37613),

Gene: Bradman_57 Start: 37421, Stop: 37149, Start Num: 86

Candidate Starts for Bradman_57:

(Start: 86 @37421 has 127 MA's), (Start: 127 @37400 has 5 MA's), (Start: 128 @37394 has 11 MA's), (173, 37271), (176, 37259),

Gene: Breezona_32 Start: 28422, Stop: 28688, Start Num: 122

Candidate Starts for Breezona_32:

(Start: 122 @28422 has 241 MA's), (136, 28467), (158, 28518), (183, 28584), (212, 28656), (221, 28677),

Gene: Brewer_37 Start: 33383, Stop: 33628, Start Num: 122

Candidate Starts for Brewer_37:

(Start: 122 @33383 has 241 MA's), (141, 33440), (157, 33473), (160, 33479), (176, 33527), (178, 33533), (182, 33545),

Gene: Bricole_39 Start: 32748, Stop: 33026, Start Num: 104

Candidate Starts for Bricole_39:

(46, 32637), (Start: 104 @32748 has 14 MA's), (Start: 117 @32766 has 4 MA's), (142, 32829), (177, 32916), (179, 32925), (183, 32934),

Gene: Bromden_32 Start: 28137, Stop: 28400, Start Num: 122

Candidate Starts for Bromden_32:

(Start: 122 @28137 has 241 MA's), (136, 28182), (179, 28290), (212, 28371),

Gene: Bruin_37 Start: 33155, Stop: 33400, Start Num: 122

Candidate Starts for Bruin_37:

(Start: 122 @33155 has 241 MA's), (141, 33212), (157, 33245), (160, 33251), (178, 33305), (182, 33317),

Gene: BrutonGaster_100 Start: 65316, Stop: 65621, Start Num: 104

Candidate Starts for BrutonGaster_100:

(57, 65226), (Start: 104 @65316 has 14 MA's), (Start: 113 @65328 has 23 MA's), (178, 65496), (207, 65574),

Gene: Bryler_70 Start: 43476, Stop: 43715, Start Num: 125

Candidate Starts for Bryler_70:

(71, 43392), (Start: 125 @43476 has 175 MA's), (Start: 128 @43485 has 11 MA's), (157, 43566), (176, 43620),

Gene: Buck_36 Start: 33091, Stop: 33336, Start Num: 122

Candidate Starts for Buck_36:

(Start: 122 @33091 has 241 MA's), (141, 33148), (157, 33181), (160, 33187), (178, 33241), (182, 33253),

Gene: Bud_57 Start: 37340, Stop: 37068, Start Num: 86

Candidate Starts for Bud_57:

(Start: 86 @37340 has 127 MA's), (Start: 118 @37331 has 20 MA's), (182, 37160),

Gene: Budgie_39 Start: 32682, Stop: 32927, Start Num: 122

Candidate Starts for Budgie_39:

(Start: 122 @32682 has 241 MA's), (141, 32739), (160, 32778), (178, 32832), (179, 32838), (187, 32853),

Gene: BugsBunny_35 Start: 32724, Stop: 32969, Start Num: 122

Candidate Starts for BugsBunny_35:

(Start: 122 @32724 has 241 MA's), (141, 32781), (157, 32814), (160, 32820), (178, 32874), (182, 32886),

Gene: Buggy_60 Start: 38826, Stop: 38554, Start Num: 86

Candidate Starts for Buggy_60:

(17, 39066), (24, 39027), (Start: 86 @38826 has 127 MA's), (Start: 118 @38817 has 20 MA's), (Start: 127 @38805 has 5 MA's), (Start: 128 @38799 has 11 MA's), (173, 38676),

Gene: Burton_63 Start: 42834, Stop: 42568, Start Num: 85

Candidate Starts for Burton_63:

(Start: 84 @42837 has 30 MA's), (Start: 85 @42834 has 118 MA's), (Start: 92 @42822 has 4 MA's), (Start: 128 @42801 has 11 MA's), (142, 42750), (148, 42735), (160, 42714), (171, 42684), (179, 42654), (212, 42579),

Gene: Butters_53 Start: 35513, Stop: 35761, Start Num: 116

Candidate Starts for Butters_53:

(31, 35339), (66, 35435), (Start: 116 @35513 has 37 MA's), (Start: 127 @35525 has 5 MA's), (157, 35609), (179, 35675), (180, 35678),

Gene: Buttons_59 Start: 38725, Stop: 38456, Start Num: 84

Candidate Starts for Buttons_59:

(Start: 84 @38725 has 30 MA's), (Start: 85 @38722 has 118 MA's), (Start: 92 @38710 has 4 MA's), (Start: 128 @38689 has 11 MA's), (142, 38638), (148, 38623), (160, 38602), (171, 38572), (179, 38542),

Gene: Bxb1_56 Start: 39835, Stop: 39569, Start Num: 85

Candidate Starts for Bxb1_56:

(Start: 84 @39838 has 30 MA's), (Start: 85 @39835 has 118 MA's), (Start: 92 @39823 has 4 MA's), (Start: 128 @39802 has 11 MA's), (142, 39751), (148, 39736), (160, 39715), (171, 39685), (179, 39655), (212, 39580),

Gene: C3_56 Start: 38705, Stop: 38394, Start Num: 64

Candidate Starts for C3_56:

(Start: 64 @38705 has 4 MA's), (Start: 86 @38666 has 127 MA's), (Start: 118 @38657 has 20 MA's), (156, 38564), (173, 38516), (182, 38486),

Gene: C3PO_50 Start: 43697, Stop: 43407, Start Num: 130

Candidate Starts for C3PO_50:

(Start: 130 @43697 has 9 MA's), (145, 43634), (176, 43520), (179, 43508),

Gene: CREW_66 Start: 43622, Stop: 43864, Start Num: 125

Candidate Starts for CREW_66:

(Start: 125 @43622 has 175 MA's), (157, 43712), (195, 43808), (205, 43832),

Gene: Cactus_38 Start: 32346, Stop: 32591, Start Num: 122

Candidate Starts for Cactus_38:

(Start: 122 @32346 has 241 MA's), (141, 32403), (157, 32436), (160, 32442), (178, 32496), (182, 32508),

Gene: CactusRose_62 Start: 41174, Stop: 40908, Start Num: 85

Candidate Starts for CactusRose_62:

(Start: 84 @41177 has 30 MA's), (Start: 85 @41174 has 118 MA's), (Start: 92 @41162 has 4 MA's), (Start: 128 @41141 has 11 MA's), (142, 41090), (148, 41075), (160, 41054), (171, 41024), (179, 40994),

Gene: Cain_70 Start: 43464, Stop: 43703, Start Num: 125

Candidate Starts for Cain_70:

(71, 43380), (Start: 125 @43464 has 175 MA's), (Start: 128 @43473 has 11 MA's), (157, 43554), (176, 43608),

Gene: CallaLilly_66 Start: 43545, Stop: 43787, Start Num: 125
Candidate Starts for CallaLilly_66:
(Start: 125 @43545 has 175 MA's), (157, 43635), (195, 43731), (205, 43755),

Gene: Candle_40 Start: 36392, Stop: 36637, Start Num: 120
Candidate Starts for Candle_40:
(91, 36350), (Start: 120 @36392 has 24 MA's), (129, 36413), (134, 36434), (142, 36461), (184, 36560),
(186, 36563), (188, 36566), (209, 36617),

Gene: Cappuccino_31 Start: 22494, Stop: 22760, Start Num: 113
Candidate Starts for Cappuccino_31:
(Start: 113 @22494 has 23 MA's), (Start: 121 @22503 has 23 MA's), (Start: 125 @22509 has 175 MA's), (144, 22572),

Gene: Capricorn_66 Start: 43622, Stop: 43864, Start Num: 125
Candidate Starts for Capricorn_66:
(Start: 125 @43622 has 175 MA's), (157, 43712), (195, 43808), (205, 43832),

Gene: Caraxes_58 Start: 36944, Stop: 36672, Start Num: 86
Candidate Starts for Caraxes_58:
(Start: 86 @36944 has 127 MA's), (Start: 128 @36917 has 11 MA's), (173, 36794), (176, 36782),

Gene: Carcharodon_50 Start: 34905, Stop: 35153, Start Num: 116
Candidate Starts for Carcharodon_50:
(12, 34491), (28, 34698), (31, 34731), (66, 34827), (Start: 116 @34905 has 37 MA's), (Start: 127 @34917 has 5 MA's), (Start: 128 @34923 has 11 MA's), (157, 35001), (179, 35067), (180, 35070),

Gene: CardboardBox_3 Start: 977, Stop: 1246, Start Num: 118
Candidate Starts for CardboardBox_3:
(Start: 118 @977 has 20 MA's),

Gene: Cardigan_134 Start: 76224, Stop: 76523, Start Num: 111
Candidate Starts for Cardigan_134:
(Start: 111 @76224 has 18 MA's), (137, 76284), (154, 76326), (157, 76335), (171, 76371), (179, 76401), (191, 76431),

Gene: Caron_44 Start: 27999, Stop: 28262, Start Num: 118
Candidate Starts for Caron_44:
(47, 27885), (49, 27888), (Start: 118 @27999 has 20 MA's), (137, 28053),

Gene: CartmannCramer_60 Start: 42923, Stop: 42648, Start Num: 85
Candidate Starts for CartmannCramer_60:
(Start: 84 @42926 has 30 MA's), (Start: 85 @42923 has 118 MA's), (Start: 92 @42911 has 4 MA's),
(Start: 128 @42881 has 11 MA's), (142, 42830), (148, 42815), (160, 42794), (171, 42764), (179, 42734),

Gene: CaseJules_68 Start: 43819, Stop: 44061, Start Num: 125
Candidate Starts for CaseJules_68:
(Start: 125 @43819 has 175 MA's), (157, 43909), (195, 44005), (205, 44029),

Gene: Cassia_34 Start: 25274, Stop: 25540, Start Num: 105

Candidate Starts for Cassia_34:

(Start: 105 @25274 has 27 MA's), (180, 25457),

Gene: Cassita_54 Start: 33514, Stop: 33735, Start Num: 127

Candidate Starts for Cassita_54:

(32, 33349), (42, 33376), (43, 33379), (Start: 127 @33514 has 5 MA's), (160, 33607),

Gene: CatBus_58 Start: 40961, Stop: 40695, Start Num: 85

Candidate Starts for CatBus_58:

(Start: 84 @40964 has 30 MA's), (Start: 85 @40961 has 118 MA's), (Start: 92 @40949 has 4 MA's),
(Start: 128 @40928 has 11 MA's), (142, 40877), (148, 40862), (160, 40841), (171, 40811), (179,
40781),

Gene: Catalina_59 Start: 38226, Stop: 37954, Start Num: 86

Candidate Starts for Catalina_59:

(Start: 86 @38226 has 127 MA's), (Start: 118 @38217 has 20 MA's), (139, 38160), (156, 38124), (170,
38085), (178, 38058), (182, 38046),

Gene: Catfish_63 Start: 40933, Stop: 41151, Start Num: 125

Candidate Starts for Catfish_63:

(Start: 125 @40933 has 175 MA's), (135, 40966), (170, 41056),

Gene: Cece_195 Start: 119232, Stop: 118984, Start Num: 122

Candidate Starts for Cece_195:

(89, 119280), (Start: 97 @119265 has 2 MA's), (Start: 122 @119232 has 241 MA's), (169, 119118),
(176, 119097), (203, 119052),

Gene: Celestiallunch_57 Start: 38031, Stop: 37759, Start Num: 86

Candidate Starts for Celestiallunch_57:

(Start: 86 @38031 has 127 MA's), (Start: 118 @38022 has 20 MA's), (156, 37929), (173, 37881), (178,
37863), (182, 37851), (206, 37806),

Gene: Cen1621_38 Start: 25188, Stop: 25475, Start Num: 96

Candidate Starts for Cen1621_38:

(Start: 96 @25188 has 2 MA's), (Start: 127 @25215 has 5 MA's), (175, 25371), (183, 25395),

Gene: ChamoyPickle_3 Start: 977, Stop: 1246, Start Num: 118

Candidate Starts for ChamoyPickle_3:

(Start: 118 @977 has 20 MA's),

Gene: Chanagan_56 Start: 38816, Stop: 38541, Start Num: 85

Candidate Starts for Chanagan_56:

(Start: 84 @38819 has 30 MA's), (Start: 85 @38816 has 118 MA's), (Start: 92 @38804 has 4 MA's),
(Start: 128 @38774 has 11 MA's), (142, 38723), (148, 38708), (160, 38687), (171, 38657), (179,
38627),

Gene: Charlie_51 Start: 33657, Stop: 33905, Start Num: 116

Candidate Starts for Charlie_51:

(6, 33093), (14, 33312), (28, 33450), (31, 33483), (66, 33579), (Start: 116 @33657 has 37 MA's),
(Start: 127 @33669 has 5 MA's), (157, 33753), (179, 33819), (180, 33822),

Gene: Charm_56 Start: 38090, Stop: 37818, Start Num: 86

Candidate Starts for Charm_56:

(Start: 86 @38090 has 127 MA's), (139, 38024), (156, 37988), (178, 37922), (182, 37910), (187, 37901),

Gene: Chaser_30 Start: 27536, Stop: 27799, Start Num: 122

Candidate Starts for Chaser_30:

(Start: 122 @27536 has 241 MA's), (136, 27581), (182, 27695),

Gene: Chavito_69 Start: 44664, Stop: 44903, Start Num: 125

Candidate Starts for Chavito_69:

(76, 44589), (Start: 125 @44664 has 175 MA's), (157, 44754), (176, 44808),

Gene: Che12_59 Start: 37385, Stop: 37113, Start Num: 86

Candidate Starts for Che12_59:

(Start: 86 @37385 has 127 MA's), (Start: 128 @37358 has 11 MA's), (138, 37322), (160, 37274), (173, 37235), (176, 37223), (182, 37205),

Gene: CheetoDust_66 Start: 43333, Stop: 43575, Start Num: 125

Candidate Starts for CheetoDust_66:

(Start: 85 @43288 has 118 MA's), (Start: 125 @43333 has 175 MA's), (157, 43423), (195, 43519), (205, 43543),

Gene: CherryTomatoes_78 Start: 28836, Stop: 29102, Start Num: 122

Candidate Starts for CherryTomatoes_78:

(Start: 122 @28836 has 241 MA's), (136, 28884), (182, 29004), (206, 29064),

Gene: Chewbacca_52 Start: 34905, Stop: 35153, Start Num: 116

Candidate Starts for Chewbacca_52:

(12, 34491), (28, 34698), (31, 34731), (66, 34827), (Start: 116 @34905 has 37 MA's), (Start: 127 @34917 has 5 MA's), (Start: 128 @34923 has 11 MA's), (157, 35001), (179, 35067), (180, 35070),

Gene: Chilliams_107 Start: 79905, Stop: 80147, Start Num: 122

Candidate Starts for Chilliams_107:

(90, 79857), (Start: 122 @79905 has 241 MA's), (153, 79995),

Gene: ChipMunk_60 Start: 40026, Stop: 39754, Start Num: 86

Candidate Starts for ChipMunk_60:

(Start: 86 @40026 has 127 MA's), (Start: 118 @40017 has 20 MA's), (Start: 127 @40005 has 5 MA's), (Start: 128 @39999 has 11 MA's), (173, 39876),

Gene: ChipsNGuac_3 Start: 977, Stop: 1246, Start Num: 118

Candidate Starts for ChipsNGuac_3:

(Start: 118 @977 has 20 MA's),

Gene: ChosenOne_37 Start: 32343, Stop: 32588, Start Num: 122

Candidate Starts for ChosenOne_37:

(Start: 122 @32343 has 241 MA's), (141, 32400), (157, 32433), (160, 32439), (178, 32493), (182, 32505),

Gene: ChotaBhai_37 Start: 32381, Stop: 32626, Start Num: 122

Candidate Starts for ChotaBhai_37:

(Start: 122 @32381 has 241 MA's), (141, 32438), (157, 32471), (160, 32477), (176, 32525), (178, 32531), (182, 32543),

Gene: Chris_69 Start: 44665, Stop: 44892, Start Num: 125

Candidate Starts for Chris_69:

(Start: 125 @44665 has 175 MA's), (176, 44797), (195, 44836),

Gene: ChristmasHams_56 Start: 38811, Stop: 38536, Start Num: 85

Candidate Starts for ChristmasHams_56:

(Start: 84 @38814 has 30 MA's), (Start: 85 @38811 has 118 MA's), (Start: 92 @38799 has 4 MA's),
(Start: 128 @38769 has 11 MA's), (142, 38718), (148, 38703), (160, 38682), (171, 38652), (179,
38622),

Gene: ChutneyChips_31 Start: 27716, Stop: 27979, Start Num: 122

Candidate Starts for ChutneyChips_31:

(Start: 122 @27716 has 241 MA's), (136, 27761), (182, 27875),

Gene: Ciao_60 Start: 40180, Stop: 39914, Start Num: 85

Candidate Starts for Ciao_60:

(Start: 84 @40183 has 30 MA's), (Start: 85 @40180 has 118 MA's), (Start: 92 @40168 has 4 MA's),
(Start: 128 @40147 has 11 MA's), (142, 40096), (148, 40081), (160, 40060), (171, 40030), (179,
40000),

Gene: Cjw1_37 Start: 33895, Stop: 34140, Start Num: 122

Candidate Starts for Cjw1_37:

(Start: 122 @33895 has 241 MA's), (141, 33952), (157, 33985), (160, 33991), (178, 34045), (182,
34057),

Gene: Clautastrophe_31 Start: 28784, Stop: 29050, Start Num: 122

Candidate Starts for Clautastrophe_31:

(Start: 122 @28784 has 241 MA's), (Start: 128 @28796 has 11 MA's), (136, 28829),

Gene: Clipper_70 Start: 44521, Stop: 44763, Start Num: 125

Candidate Starts for Clipper_70:

(Start: 125 @44521 has 175 MA's), (157, 44611), (195, 44707), (205, 44731),

Gene: ClubL_125 Start: 70565, Stop: 70858, Start Num: 111

Candidate Starts for ClubL_125:

(Start: 111 @70565 has 18 MA's), (134, 70613), (179, 70742),

Gene: CogOmlette_57 Start: 37986, Stop: 37714, Start Num: 86

Candidate Starts for CogOmlette_57:

(Start: 86 @37986 has 127 MA's), (Start: 118 @37977 has 20 MA's), (139, 37920), (156, 37884), (173,
37836),

Gene: Collard_58 Start: 40730, Stop: 40978, Start Num: 125

Candidate Starts for Collard_58:

(Start: 125 @40730 has 175 MA's), (172, 40862), (180, 40892), (201, 40925),

Gene: Command613_38 Start: 33402, Stop: 33647, Start Num: 122

Candidate Starts for Command613_38:

(Start: 122 @33402 has 241 MA's), (141, 33459), (157, 33492), (160, 33498), (178, 33552), (182,
33564),

Gene: Community_34 Start: 26806, Stop: 27072, Start Num: 105

Candidate Starts for Community_34:
(18, 26569), (21, 26578), (Start: 105 @26806 has 27 MA's),

Gene: ConceptII_64 Start: 42246, Stop: 41980, Start Num: 85
Candidate Starts for ConceptII_64:
(Start: 84 @42249 has 30 MA's), (Start: 85 @42246 has 118 MA's), (Start: 92 @42234 has 4 MA's),
(Start: 128 @42213 has 11 MA's), (142, 42162), (148, 42147), (160, 42126), (171, 42096), (179,
42066),

Gene: Conditioner_9 Start: 6356, Stop: 6033, Start Num: 115
Candidate Starts for Conditioner_9:
(76, 6422), (Start: 115 @6356 has 53 MA's), (133, 6305), (143, 6260), (149, 6242), (203, 6086),

Gene: Conquerage_58 Start: 38297, Stop: 38025, Start Num: 86
Candidate Starts for Conquerage_58:
(Start: 86 @38297 has 127 MA's), (Start: 118 @38288 has 20 MA's), (139, 38231), (156, 38195), (170,
38156), (178, 38129), (182, 38117),

Gene: Constella_44 Start: 40270, Stop: 40518, Start Num: 122
Candidate Starts for Constella_44:
(Start: 122 @40270 has 241 MA's), (135, 40309), (157, 40363), (158, 40366), (179, 40423), (195,
40459), (212, 40507),

Gene: Contagion_36 Start: 32639, Stop: 32884, Start Num: 122
Candidate Starts for Contagion_36:
(Start: 122 @32639 has 241 MA's), (141, 32696), (157, 32729), (160, 32735), (176, 32783), (178,
32789), (182, 32801),

Gene: Cookies_37 Start: 33004, Stop: 33249, Start Num: 122
Candidate Starts for Cookies_37:
(Start: 122 @33004 has 241 MA's), (141, 33061), (157, 33094), (160, 33100), (176, 33148), (178,
33154), (182, 33166),

Gene: Corn21_9 Start: 6384, Stop: 6061, Start Num: 115
Candidate Starts for Corn21_9:
(76, 6450), (Start: 115 @6384 has 53 MA's), (133, 6333), (143, 6288), (149, 6270), (176, 6165), (203,
6114),

Gene: Corvo_63 Start: 42111, Stop: 41845, Start Num: 85
Candidate Starts for Corvo_63:
(Start: 84 @42114 has 30 MA's), (Start: 85 @42111 has 118 MA's), (Start: 92 @42099 has 4 MA's),
(Start: 128 @42078 has 11 MA's), (142, 42027), (148, 42012), (160, 41991), (171, 41961), (179,
41931), (212, 41856),

Gene: Cosmo_53 Start: 39361, Stop: 39609, Start Num: 122
Candidate Starts for Cosmo_53:
(Start: 122 @39361 has 241 MA's), (154, 39442), (171, 39490), (180, 39523), (182, 39526), (183,
39529), (195, 39562), (208, 39598),

Gene: Count_87 Start: 57913, Stop: 58173, Start Num: 130
Candidate Starts for Count_87:
(Start: 130 @57913 has 9 MA's),

Gene: Courthouse_51 Start: 40812, Stop: 41051, Start Num: 128
Candidate Starts for Courthouse_51:
(Start: 128 @40812 has 11 MA's), (135, 40839), (157, 40893), (158, 40896), (179, 40953), (195, 40989),

Gene: Crewmate_37 Start: 25536, Stop: 25778, Start Num: 106
Candidate Starts for Crewmate_37:
(18, 25278), (27, 25314), (Start: 106 @25536 has 5 MA's),

Gene: CrimD_68 Start: 44444, Stop: 44686, Start Num: 125
Candidate Starts for CrimD_68:
(Start: 125 @44444 has 175 MA's), (157, 44534), (195, 44630),

Gene: Crossroads_32 Start: 28422, Stop: 28688, Start Num: 122
Candidate Starts for Crossroads_32:
(Start: 122 @28422 has 241 MA's), (136, 28467), (158, 28518), (183, 28584), (212, 28656), (221, 28677),

Gene: Crucio_58 Start: 38443, Stop: 38171, Start Num: 86
Candidate Starts for Crucio_58:
(Start: 86 @38443 has 127 MA's), (Start: 118 @38434 has 20 MA's), (Start: 127 @38422 has 5 MA's), (Start: 128 @38416 has 11 MA's), (173, 38293),

Gene: Cruella_50 Start: 43697, Stop: 43407, Start Num: 130
Candidate Starts for Cruella_50:
(Start: 130 @43697 has 9 MA's), (145, 43634), (176, 43520), (179, 43508),

Gene: CrunchyBoi_10 Start: 6445, Stop: 6122, Start Num: 115
Candidate Starts for CrunchyBoi_10:
(33, 6613), (50, 6562), (Start: 115 @6445 has 53 MA's), (133, 6394), (137, 6379), (149, 6331), (177, 6223), (203, 6175), (208, 6157),

Gene: CrystalP_37 Start: 33135, Stop: 33380, Start Num: 122
Candidate Starts for CrystalP_37:
(Start: 122 @33135 has 241 MA's), (141, 33192), (157, 33225), (160, 33231), (178, 33285), (182, 33297),

Gene: Cucurbita_126 Start: 72310, Stop: 72600, Start Num: 113
Candidate Starts for Cucurbita_126:
(54, 72202), (62, 72217), (Start: 84 @72262 has 30 MA's), (Start: 113 @72310 has 23 MA's), (134, 72355), (179, 72484),

Gene: Culver_125 Start: 70325, Stop: 70618, Start Num: 111
Candidate Starts for Culver_125:
(Start: 111 @70325 has 18 MA's), (134, 70373), (179, 70502),

Gene: Curiosium_70 Start: 43138, Stop: 43380, Start Num: 125
Candidate Starts for Curiosium_70:
(69, 43060), (Start: 125 @43138 has 175 MA's), (157, 43228), (195, 43324), (205, 43348),

Gene: Cyan_33 Start: 24752, Stop: 24994, Start Num: 105
Candidate Starts for Cyan_33:
(18, 24494), (Start: 105 @24752 has 27 MA's), (180, 24911),

Gene: Czyszczone1_38 Start: 32880, Stop: 33125, Start Num: 122

Candidate Starts for Czyszczone1_38:

(Start: 122 @32880 has 241 MA's), (141, 32937), (157, 32970), (160, 32976), (178, 33030), (182, 33042),

Gene: D29_56 Start: 38269, Stop: 37997, Start Num: 86

Candidate Starts for D29_56:

(Start: 86 @38269 has 127 MA's), (Start: 118 @38260 has 20 MA's), (156, 38167), (182, 38089), (208, 38035),

Gene: D32_59 Start: 38269, Stop: 37997, Start Num: 86

Candidate Starts for D32_59:

(Start: 86 @38269 has 127 MA's), (Start: 118 @38260 has 20 MA's), (156, 38167), (182, 38089), (208, 38035),

Gene: DBQu4n_60 Start: 38250, Stop: 37978, Start Num: 86

Candidate Starts for DBQu4n_60:

(Start: 86 @38250 has 127 MA's), (Start: 118 @38241 has 20 MA's), (156, 38148), (182, 38070), (208, 38016),

Gene: DD5_60 Start: 41693, Stop: 41418, Start Num: 85

Candidate Starts for DD5_60:

(Start: 85 @41693 has 118 MA's), (Start: 92 @41681 has 4 MA's), (Start: 128 @41651 has 11 MA's), (142, 41600), (148, 41585), (160, 41564), (170, 41537), (171, 41534), (179, 41504), (212, 41429),

Gene: DS6A_74 Start: 48826, Stop: 49065, Start Num: 125

Candidate Starts for DS6A_74:

(29, 48631), (Start: 125 @48826 has 175 MA's), (136, 48868), (152, 48901), (180, 48985),

Gene: Daddyjeff_52 Start: 34278, Stop: 34511, Start Num: 121

Candidate Starts for Daddyjeff_52:

(Start: 121 @34278 has 23 MA's), (171, 34413),

Gene: Dadosky_62 Start: 41083, Stop: 41331, Start Num: 125

Candidate Starts for Dadosky_62:

(Start: 125 @41083 has 175 MA's), (148, 41158), (177, 41230),

Gene: Daikon_36 Start: 32873, Stop: 33118, Start Num: 122

Candidate Starts for Daikon_36:

(Start: 122 @32873 has 241 MA's), (141, 32930), (157, 32963), (160, 32969), (176, 33017), (178, 33023), (182, 33035),

Gene: Dallas_54 Start: 43667, Stop: 43912, Start Num: 122

Candidate Starts for Dallas_54:

(Start: 122 @43667 has 241 MA's), (142, 43730), (157, 43760), (158, 43763), (180, 43823), (182, 43826), (183, 43829),

Gene: Dalmatian_59 Start: 38649, Stop: 38377, Start Num: 86

Candidate Starts for Dalmatian_59:

(Start: 86 @38649 has 127 MA's), (Start: 118 @38640 has 20 MA's), (Start: 127 @38628 has 5 MA's), (Start: 128 @38622 has 11 MA's), (173, 38499), (182, 38469),

Gene: Dalmuri_66 Start: 43622, Stop: 43864, Start Num: 125
Candidate Starts for Dalmuri_66:
(Start: 125 @43622 has 175 MA's), (157, 43712), (195, 43808), (205, 43832),

Gene: Dardanus_57 Start: 37159, Stop: 37398, Start Num: 125
Candidate Starts for Dardanus_57:
(54, 37051), (Start: 125 @37159 has 175 MA's), (137, 37201), (160, 37252), (164, 37255), (178, 37306), (180, 37315), (194, 37336),

Gene: Daredevil_75 Start: 52964, Stop: 52707, Start Num: 111
Candidate Starts for Daredevil_75:
(82, 53015), (87, 53000), (93, 52991), (95, 52988), (Start: 111 @52964 has 18 MA's), (180, 52793),

Gene: Darrell_60 Start: 38922, Stop: 38650, Start Num: 86
Candidate Starts for Darrell_60:
(Start: 86 @38922 has 127 MA's), (Start: 118 @38913 has 20 MA's), (139, 38856), (156, 38820), (173, 38772), (190, 38730),

Gene: DartGoblin_68 Start: 44180, Stop: 44422, Start Num: 125
Candidate Starts for DartGoblin_68:
(Start: 125 @44180 has 175 MA's), (157, 44270), (195, 44366), (205, 44390),

Gene: DarthP_66 Start: 43967, Stop: 44206, Start Num: 125
Candidate Starts for DarthP_66:
(Start: 125 @43967 has 175 MA's), (157, 44057), (177, 44117),

Gene: DarthPhader_54 Start: 39183, Stop: 38911, Start Num: 86
Candidate Starts for DarthPhader_54:
(Start: 86 @39183 has 127 MA's), (Start: 118 @39174 has 20 MA's), (156, 39081), (173, 39033), (179, 39009), (182, 39003),

Gene: Dartin_69 Start: 44123, Stop: 44362, Start Num: 124
Candidate Starts for Dartin_69:
(Start: 124 @44123 has 6 MA's), (157, 44213), (170, 44249), (176, 44267), (205, 44330),

Gene: Darwin_54 Start: 43178, Stop: 42882, Start Num: 130
Candidate Starts for Darwin_54:
(Start: 130 @43178 has 9 MA's), (145, 43115), (176, 43001), (179, 42989), (193, 42959), (195, 42956), (223, 42887),

Gene: Dashyla_9 Start: 6362, Stop: 6042, Start Num: 115
Candidate Starts for Dashyla_9:
(61, 6452), (Start: 115 @6362 has 53 MA's), (133, 6311), (137, 6296), (149, 6248), (192, 6107),

Gene: DatBoi_82 Start: 57093, Stop: 56827, Start Num: 111
Candidate Starts for DatBoi_82:
(Start: 92 @57123 has 4 MA's), (Start: 94 @57120 has 10 MA's), (Start: 111 @57093 has 18 MA's),

Gene: Deby_67 Start: 44105, Stop: 44347, Start Num: 125
Candidate Starts for Deby_67:
(Start: 125 @44105 has 175 MA's), (157, 44195), (195, 44291), (205, 44315),

Gene: DekHockey33_65 Start: 37959, Stop: 37690, Start Num: 112

Candidate Starts for DekHockey33_65:
(10, 38403), (15, 38301), (Start: 112 @37959 has 27 MA's), (182, 37782),

Gene: Devera_74 Start: 45458, Stop: 45700, Start Num: 125
Candidate Starts for Devera_74:
(Start: 125 @45458 has 175 MA's), (157, 45548), (195, 45644), (205, 45668),

Gene: Dexes_62 Start: 41896, Stop: 41630, Start Num: 85
Candidate Starts for Dexes_62:
(Start: 84 @41899 has 30 MA's), (Start: 85 @41896 has 118 MA's), (Start: 92 @41884 has 4 MA's),
(Start: 128 @41863 has 11 MA's), (142, 41812), (148, 41797), (160, 41776), (171, 41746), (179,
41716), (212, 41641),

Gene: Dignity_60 Start: 38849, Stop: 38577, Start Num: 86
Candidate Starts for Dignity_60:
(Start: 86 @38849 has 127 MA's), (Start: 118 @38840 has 20 MA's), (Start: 127 @38828 has 5 MA's),
(Start: 128 @38822 has 11 MA's), (173, 38699),

Gene: Diminimus_40 Start: 32761, Stop: 33039, Start Num: 104
Candidate Starts for Diminimus_40:
(46, 32650), (Start: 104 @32761 has 14 MA's), (Start: 117 @32779 has 4 MA's), (142, 32842), (177,
32929), (179, 32938), (183, 32947),

Gene: DinoDaryn_63 Start: 39006, Stop: 39230, Start Num: 125
Candidate Starts for DinoDaryn_63:
(Start: 125 @39006 has 175 MA's), (137, 39048), (157, 39093), (164, 39102), (178, 39153), (180,
39162), (194, 39183),

Gene: DirtDevil_60 Start: 40769, Stop: 40503, Start Num: 85
Candidate Starts for DirtDevil_60:
(Start: 84 @40772 has 30 MA's), (Start: 85 @40769 has 118 MA's), (Start: 92 @40757 has 4 MA's),
(Start: 128 @40736 has 11 MA's), (142, 40685), (148, 40670), (160, 40649), (171, 40619), (179,
40589),

Gene: DismalFunk_69 Start: 46092, Stop: 46337, Start Num: 125
Candidate Starts for DismalFunk_69:
(72, 46035), (76, 46041), (Start: 125 @46092 has 175 MA's), (157, 46182), (171, 46218), (180, 46251),

Gene: DismalStressor_69 Start: 46092, Stop: 46337, Start Num: 125
Candidate Starts for DismalStressor_69:
(72, 46035), (76, 46041), (Start: 125 @46092 has 175 MA's), (157, 46182), (171, 46218), (180, 46251),

Gene: Divya_48 Start: 34038, Stop: 34328, Start Num: 108
Candidate Starts for Divya_48:
(Start: 108 @34038 has 6 MA's), (134, 34089), (138, 34104), (178, 34212), (183, 34227), (220, 34302),

Gene: DmpstrDiver_53 Start: 43660, Stop: 43905, Start Num: 122
Candidate Starts for DmpstrDiver_53:
(Start: 122 @43660 has 241 MA's), (142, 43723), (157, 43753), (158, 43756), (180, 43816), (182,
43819), (183, 43822),

Gene: DoctorDiddles_37 Start: 32297, Stop: 32542, Start Num: 122
Candidate Starts for DoctorDiddles_37:

(Start: 122 @32297 has 241 MA's), (141, 32354), (157, 32387), (160, 32393), (176, 32441), (178, 32447), (182, 32459),

Gene: Dodo_214 Start: 118119, Stop: 117865, Start Num: 122

Candidate Starts for Dodo_214:

(Start: 122 @118119 has 241 MA's), (167, 118005), (176, 117978), (203, 117933),

Gene: Dole_72 Start: 45461, Stop: 45703, Start Num: 125

Candidate Starts for Dole_72:

(Start: 125 @45461 has 175 MA's), (157, 45551), (195, 45647), (205, 45671),

Gene: Donkey_31 Start: 22496, Stop: 22762, Start Num: 113

Candidate Starts for Donkey_31:

(Start: 113 @22496 has 23 MA's), (Start: 121 @22505 has 23 MA's), (Start: 125 @22511 has 175 MA's), (144, 22574),

Gene: Doom_60 Start: 41667, Stop: 41392, Start Num: 85

Candidate Starts for Doom_60:

(Start: 84 @41670 has 30 MA's), (Start: 85 @41667 has 118 MA's), (Start: 92 @41655 has 4 MA's), (Start: 128 @41625 has 11 MA's), (142, 41574), (148, 41559), (160, 41538), (171, 41508), (179, 41478),

Gene: DoubleChamp_57 Start: 40730, Stop: 40978, Start Num: 125

Candidate Starts for DoubleChamp_57:

(Start: 125 @40730 has 175 MA's), (172, 40862), (180, 40892), (201, 40925),

Gene: Douge_30 Start: 27474, Stop: 27737, Start Num: 122

Candidate Starts for Douge_30:

(Start: 122 @27474 has 241 MA's), (136, 27519), (157, 27567), (182, 27633),

Gene: Doughnut_69 Start: 45708, Stop: 45953, Start Num: 125

Candidate Starts for Doughnut_69:

(69, 45645), (Start: 125 @45708 has 175 MA's), (157, 45798), (180, 45867),

Gene: Dove_49 Start: 43194, Stop: 43442, Start Num: 122

Candidate Starts for Dove_49:

(Start: 122 @43194 has 241 MA's), (135, 43233), (157, 43287), (158, 43290), (179, 43347), (195, 43383), (212, 43431),

Gene: DrDrey_38 Start: 33627, Stop: 33872, Start Num: 122

Candidate Starts for DrDrey_38:

(Start: 122 @33627 has 241 MA's), (141, 33684), (157, 33717), (160, 33723), (178, 33777), (182, 33789),

Gene: DrFeelGood_58 Start: 40034, Stop: 39777, Start Num: 94

Candidate Starts for DrFeelGood_58:

(Start: 94 @40034 has 10 MA's), (Start: 127 @40016 has 5 MA's), (Start: 128 @40010 has 11 MA's), (142, 39959), (148, 39944), (160, 39923), (171, 39893), (179, 39863),

Gene: DrHayes_67 Start: 44362, Stop: 44604, Start Num: 125

Candidate Starts for DrHayes_67:

(Start: 125 @44362 has 175 MA's), (157, 44452), (195, 44548), (205, 44572),

Gene: DrManhattan_32 Start: 23095, Stop: 23340, Start Num: 121
Candidate Starts for DrManhattan_32:
(13, 22726), (18, 22840), (27, 22876), (Start: 121 @23095 has 23 MA's),

Gene: DrSeegs_32 Start: 28422, Stop: 28688, Start Num: 122
Candidate Starts for DrSeegs_32:
(Start: 122 @28422 has 241 MA's), (136, 28467), (158, 28518), (183, 28584), (212, 28656), (221, 28677),

Gene: DrSierra_32 Start: 23583, Stop: 23849, Start Num: 105
Candidate Starts for DrSierra_32:
(18, 23325), (27, 23361), (60, 23499), (Start: 105 @23583 has 27 MA's), (180, 23766),

Gene: DreamTeam1_56 Start: 37922, Stop: 37650, Start Num: 86
Candidate Starts for DreamTeam1_56:
(Start: 86 @37922 has 127 MA's), (139, 37856), (156, 37820), (178, 37754), (182, 37742), (187, 37733),

Gene: Dreamboat_63 Start: 40328, Stop: 40062, Start Num: 85
Candidate Starts for Dreamboat_63:
(Start: 85 @40328 has 118 MA's), (Start: 92 @40316 has 4 MA's), (Start: 127 @40301 has 5 MA's),
(Start: 128 @40295 has 11 MA's), (142, 40244), (148, 40229), (160, 40208), (171, 40178), (179, 40148), (212, 40073),

Gene: DudeLittle_57 Start: 38415, Stop: 38143, Start Num: 86
Candidate Starts for DudeLittle_57:
(Start: 86 @38415 has 127 MA's), (Start: 118 @38406 has 20 MA's), (Start: 127 @38394 has 5 MA's),
(Start: 128 @38388 has 11 MA's), (173, 38265), (182, 38235),

Gene: Duke13_55 Start: 43999, Stop: 44247, Start Num: 122
Candidate Starts for Duke13_55:
(Start: 122 @43999 has 241 MA's), (174, 44131),

Gene: Dulcie_62 Start: 42668, Stop: 42411, Start Num: 94
Candidate Starts for Dulcie_62:
(Start: 94 @42668 has 10 MA's), (Start: 127 @42650 has 5 MA's), (Start: 128 @42644 has 11 MA's),
(142, 42593), (148, 42578), (160, 42557), (171, 42527), (179, 42497),

Gene: Dulcita_40 Start: 32761, Stop: 33039, Start Num: 104
Candidate Starts for Dulcita_40:
(46, 32650), (Start: 104 @32761 has 14 MA's), (Start: 117 @32779 has 4 MA's), (142, 32842), (177, 32929), (179, 32938), (183, 32947),

Gene: Dumbo_37 Start: 32602, Stop: 32847, Start Num: 122
Candidate Starts for Dumbo_37:
(Start: 122 @32602 has 241 MA's), (141, 32659), (157, 32692), (160, 32698), (178, 32752), (182, 32764),

Gene: DumpQuist_9 Start: 6359, Stop: 6036, Start Num: 115
Candidate Starts for DumpQuist_9:
(Start: 115 @6359 has 53 MA's), (133, 6308), (143, 6263), (149, 6245), (176, 6140), (203, 6089),

Gene: DuncansLeg_31 Start: 28758, Stop: 29024, Start Num: 122

Candidate Starts for DuncansLeg_31:

(Start: 122 @28758 has 241 MA's), (Start: 128 @28770 has 11 MA's), (136, 28803), (157, 28851),

Gene: DunneganBoMo_97 Start: 82929, Stop: 83189, Start Num: 122

Candidate Starts for DunneganBoMo_97:

(Start: 122 @82929 has 241 MA's), (203, 83118), (215, 83148), (217, 83151),

Gene: Duplicity_50 Start: 34914, Stop: 35162, Start Num: 116

Candidate Starts for Duplicity_50:

(12, 34500), (28, 34707), (31, 34740), (66, 34836), (Start: 116 @34914 has 37 MA's), (Start: 127 @34926 has 5 MA's), (Start: 128 @34932 has 11 MA's), (157, 35010), (179, 35076), (180, 35079),

Gene: Duplo_60 Start: 38306, Stop: 38034, Start Num: 86

Candidate Starts for Duplo_60:

(Start: 86 @38306 has 127 MA's), (Start: 118 @38297 has 20 MA's), (156, 38204), (182, 38126), (208, 38072),

Gene: Durfee_66 Start: 43819, Stop: 44061, Start Num: 125

Candidate Starts for Durfee_66:

(Start: 125 @43819 has 175 MA's), (157, 43909), (195, 44005), (205, 44029),

Gene: Dusk_36 Start: 32787, Stop: 33032, Start Num: 122

Candidate Starts for Dusk_36:

(Start: 122 @32787 has 241 MA's), (141, 32844), (157, 32877), (160, 32883), (176, 32931), (178, 32937), (182, 32949),

Gene: Dussy_62 Start: 41689, Stop: 41423, Start Num: 85

Candidate Starts for Dussy_62:

(Start: 84 @41692 has 30 MA's), (Start: 85 @41689 has 118 MA's), (Start: 92 @41677 has 4 MA's), (Start: 128 @41656 has 11 MA's), (142, 41605), (148, 41590), (160, 41569), (171, 41539), (179, 41509),

Gene: Dusty_122 Start: 70537, Stop: 70830, Start Num: 111

Candidate Starts for Dusty_122:

(Start: 111 @70537 has 18 MA's), (134, 70585), (179, 70714),

Gene: Dynamix_64 Start: 40678, Stop: 40409, Start Num: 84

Candidate Starts for Dynamix_64:

(Start: 84 @40678 has 30 MA's), (Start: 85 @40675 has 118 MA's), (Start: 92 @40663 has 4 MA's), (Start: 128 @40642 has 11 MA's), (148, 40576), (160, 40555), (171, 40525), (179, 40495), (212, 40420),

Gene: DyoEdafos_31 Start: 27675, Stop: 27938, Start Num: 122

Candidate Starts for DyoEdafos_31:

(Start: 122 @27675 has 241 MA's), (136, 27720), (182, 27834),

Gene: EGUunicorn_48 Start: 33605, Stop: 33853, Start Num: 116

Candidate Starts for EGUunicorn_48:

(12, 33191), (28, 33398), (31, 33431), (66, 33527), (Start: 116 @33605 has 37 MA's), (Start: 127 @33617 has 5 MA's), (Start: 128 @33623 has 11 MA's), (157, 33701), (179, 33767), (180, 33770),

Gene: EagleEye_60 Start: 38143, Stop: 37871, Start Num: 86

Candidate Starts for EagleEye_60:

(51, 38212), (Start: 86 @38143 has 127 MA's), (Start: 113 @38140 has 23 MA's), (Start: 118 @38134 has 20 MA's), (156, 38041), (171, 37999), (173, 37993), (182, 37963),

Gene: Easy2Say_39 Start: 34385, Stop: 34630, Start Num: 122

Candidate Starts for Easy2Say_39:

(Start: 122 @34385 has 241 MA's), (141, 34442), (157, 34475), (160, 34481), (178, 34535), (182, 34547),

Gene: Ebony_57 Start: 37357, Stop: 37085, Start Num: 86

Candidate Starts for Ebony_57:

(Start: 86 @37357 has 127 MA's), (Start: 118 @37348 has 20 MA's), (182, 37177),

Gene: Echild_58 Start: 37724, Stop: 37452, Start Num: 86

Candidate Starts for Echild_58:

(Start: 86 @37724 has 127 MA's), (Start: 118 @37715 has 20 MA's), (Start: 127 @37703 has 5 MA's), (Start: 128 @37697 has 11 MA's), (173, 37574),

Gene: Edtherson_61 Start: 41661, Stop: 41386, Start Num: 85

Candidate Starts for Edtherson_61:

(Start: 84 @41664 has 30 MA's), (Start: 85 @41661 has 118 MA's), (Start: 92 @41649 has 4 MA's), (Start: 128 @41619 has 11 MA's), (142, 41568), (148, 41553), (160, 41532), (171, 41502), (179, 41472),

Gene: Edugator_59 Start: 42504, Stop: 42752, Start Num: 125

Candidate Starts for Edugator_59:

(Start: 125 @42504 has 175 MA's), (148, 42579), (177, 42651),

Gene: Eevee_51 Start: 37090, Stop: 37338, Start Num: 121

Candidate Starts for Eevee_51:

(Start: 121 @37090 has 23 MA's), (156, 37189), (158, 37195), (179, 37249), (180, 37252), (183, 37258), (222, 37327),

Gene: Efra2_72 Start: 44206, Stop: 44448, Start Num: 125

Candidate Starts for Efra2_72:

(69, 44128), (Start: 125 @44206 has 175 MA's), (157, 44296), (195, 44392),

Gene: Eidsmoe_58 Start: 38289, Stop: 38017, Start Num: 86

Candidate Starts for Eidsmoe_58:

(Start: 86 @38289 has 127 MA's), (Start: 118 @38280 has 20 MA's), (139, 38223), (156, 38187), (170, 38148), (178, 38121), (182, 38109),

Gene: Ejimix_52 Start: 44918, Stop: 45163, Start Num: 122

Candidate Starts for Ejimix_52:

(Start: 122 @44918 has 241 MA's), (142, 44981), (157, 45011), (158, 45014), (180, 45074), (182, 45077), (183, 45080),

Gene: Ekdilam_63 Start: 44192, Stop: 44431, Start Num: 125

Candidate Starts for Ekdilam_63:

(Start: 125 @44192 has 175 MA's), (Start: 128 @44201 has 11 MA's), (157, 44282),

Gene: Elephantoon_57 Start: 37664, Stop: 37392, Start Num: 86

Candidate Starts for Elephantoon_57:

(Start: 86 @37664 has 127 MA's), (Start: 118 @37655 has 20 MA's), (139, 37598), (156, 37562), (170, 37523), (178, 37496), (182, 37484),

Gene: Elezi_34 Start: 26623, Stop: 26880, Start Num: 121

Candidate Starts for Elezi_34:

(18, 26386), (20, 26395), (Start: 121 @26623 has 23 MA's), (137, 26671), (182, 26788),

Gene: Elfy_29 Start: 22644, Stop: 22913, Start Num: 121

Candidate Starts for Elfy_29:

(Start: 121 @22644 has 23 MA's), (151, 22728), (180, 22830),

Gene: Elite2014_36 Start: 32342, Stop: 32587, Start Num: 122

Candidate Starts for Elite2014_36:

(Start: 122 @32342 has 241 MA's), (141, 32399), (157, 32432), (160, 32438), (178, 32492), (182, 32504),

Gene: Ellewin_96 Start: 82340, Stop: 82600, Start Num: 122

Candidate Starts for Ellewin_96:

(Start: 122 @82340 has 241 MA's), (203, 82529), (215, 82559), (217, 82562),

Gene: Ellie_62 Start: 43425, Stop: 43667, Start Num: 125

Candidate Starts for Ellie_62:

(71, 43356), (Start: 125 @43425 has 175 MA's), (Start: 128 @43434 has 11 MA's), (142, 43485), (157, 43515), (195, 43611), (205, 43635),

Gene: Ellson_31 Start: 28745, Stop: 29011, Start Num: 122

Candidate Starts for Ellson_31:

(Start: 122 @28745 has 241 MA's), (Start: 128 @28757 has 11 MA's), (136, 28790), (157, 28838),

Gene: Elph10_38 Start: 32605, Stop: 32850, Start Num: 122

Candidate Starts for Elph10_38:

(Start: 122 @32605 has 241 MA's), (141, 32662), (157, 32695), (160, 32701), (178, 32755), (182, 32767),

Gene: Emerson_68 Start: 43939, Stop: 44181, Start Num: 125

Candidate Starts for Emerson_68:

(Start: 125 @43939 has 175 MA's), (157, 44029), (195, 44125), (205, 44149),

Gene: Emmetator_100 Start: 82884, Stop: 83144, Start Num: 122

Candidate Starts for Emmetator_100:

(Start: 122 @82884 has 241 MA's), (203, 83073), (215, 83103), (217, 83106),

Gene: Emmina_38 Start: 32963, Stop: 33208, Start Num: 122

Candidate Starts for Emmina_38:

(Start: 122 @32963 has 241 MA's), (141, 33020), (157, 33053), (160, 33059), (178, 33113), (182, 33125),

Gene: Emotion_38 Start: 26311, Stop: 26598, Start Num: 98

Candidate Starts for Emotion_38:

(71, 26266), (Start: 98 @26311 has 6 MA's),

Gene: EmyBug_57 Start: 38291, Stop: 38019, Start Num: 86

Candidate Starts for EmyBug_57:

(Start: 86 @38291 has 127 MA's), (Start: 118 @38282 has 20 MA's), (139, 38225), (156, 38189), (170, 38150), (178, 38123), (182, 38111),

Gene: Engineer_127 Start: 71970, Stop: 72260, Start Num: 113

Candidate Starts for Engineer_127:

(54, 71862), (62, 71877), (Start: 84 @71922 has 30 MA's), (Start: 113 @71970 has 23 MA's), (134, 72015), (179, 72144),

Gene: EniyanLRS_50 Start: 39059, Stop: 39307, Start Num: 122

Candidate Starts for EniyanLRS_50:

(Start: 122 @39059 has 241 MA's), (154, 39140), (171, 39188), (180, 39221), (182, 39224), (183, 39227), (195, 39260), (208, 39296),

Gene: Enkosi_57 Start: 43554, Stop: 43799, Start Num: 125

Candidate Starts for Enkosi_57:

(69, 43482), (Start: 125 @43554 has 175 MA's), (165, 43659), (177, 43701), (195, 43737),

Gene: EnzoK_62 Start: 38636, Stop: 38361, Start Num: 85

Candidate Starts for EnzoK_62:

(Start: 84 @38639 has 30 MA's), (Start: 85 @38636 has 118 MA's), (Start: 92 @38624 has 4 MA's), (Start: 128 @38594 has 11 MA's), (142, 38543), (148, 38528), (160, 38507), (171, 38477), (179, 38447), (193, 38423), (212, 38372),

Gene: Epsocamisio_61 Start: 37202, Stop: 36933, Start Num: 112

Candidate Starts for Epsocamisio_61:

(10, 37646), (11, 37622), (15, 37544), (Start: 112 @37202 has 27 MA's), (182, 37025),

Gene: Eraser_34 Start: 26614, Stop: 26871, Start Num: 121

Candidate Starts for Eraser_34:

(18, 26377), (20, 26386), (Start: 121 @26614 has 23 MA's), (137, 26662), (182, 26779),

Gene: Erasmago_208 Start: 112982, Stop: 112728, Start Num: 122

Candidate Starts for Erasmago_208:

(39, 113141), (41, 113132), (56, 113096), (68, 113075), (90, 113030), (Start: 122 @112982 has 241 MA's), (176, 112841),

Gene: EricMillard_52 Start: 44419, Stop: 44664, Start Num: 122

Candidate Starts for EricMillard_52:

(Start: 122 @44419 has 241 MA's), (142, 44482), (157, 44512), (158, 44515), (180, 44575), (182, 44578), (183, 44581),

Gene: Espresso_59 Start: 41111, Stop: 40833, Start Num: 84

Candidate Starts for Espresso_59:

(Start: 84 @41111 has 30 MA's), (Start: 85 @41108 has 118 MA's), (Start: 92 @41096 has 4 MA's), (Start: 128 @41066 has 11 MA's), (142, 41015), (148, 41000), (160, 40979), (171, 40949), (179, 40919),

Gene: Estes_45 Start: 34058, Stop: 34309, Start Num: 120

Candidate Starts for Estes_45:

(Start: 120 @34058 has 24 MA's), (157, 34151), (175, 34202), (176, 34205), (208, 34274),

Gene: Et2Brutus_56 Start: 37320, Stop: 37048, Start Num: 86

Candidate Starts for Et2Brutus_56:

(Start: 86 @37320 has 127 MA's), (Start: 118 @37311 has 20 MA's), (182, 37140),

Gene: EugeneKrabs_9 Start: 6127, Stop: 5798, Start Num: 115

Candidate Starts for EugeneKrabs_9:

(Start: 115 @6127 has 53 MA's), (133, 6073), (162, 5974), (176, 5905), (186, 5881), (208, 5836),

Gene: Euphoria_60 Start: 40818, Stop: 40552, Start Num: 85

Candidate Starts for Euphoria_60:

(Start: 84 @40821 has 30 MA's), (Start: 85 @40818 has 118 MA's), (Start: 92 @40806 has 4 MA's), (Start: 128 @40785 has 11 MA's), (142, 40734), (148, 40719), (171, 40668), (203, 40593), (212, 40563),

Gene: Eureka_38 Start: 33647, Stop: 33895, Start Num: 121

Candidate Starts for Eureka_38:

(79, 33578), (81, 33581), (Start: 94 @33608 has 10 MA's), (Start: 121 @33647 has 23 MA's), (141, 33707), (157, 33740), (160, 33746), (178, 33800), (182, 33812),

Gene: EvilGenius_60 Start: 40027, Stop: 39755, Start Num: 86

Candidate Starts for EvilGenius_60:

(Start: 86 @40027 has 127 MA's), (Start: 118 @40018 has 20 MA's), (Start: 127 @40006 has 5 MA's), (Start: 128 @40000 has 11 MA's), (173, 39877),

Gene: ExplosioNervosa_58 Start: 38348, Stop: 38085, Start Num: 118

Candidate Starts for ExplosioNervosa_58:

(Start: 86 @38357 has 127 MA's), (Start: 118 @38348 has 20 MA's), (139, 38291), (156, 38255), (170, 38216), (178, 38189), (182, 38177),

Gene: Eyeball_64 Start: 42166, Stop: 41900, Start Num: 85

Candidate Starts for Eyeball_64:

(Start: 84 @42169 has 30 MA's), (Start: 85 @42166 has 118 MA's), (Start: 92 @42154 has 4 MA's), (Start: 128 @42133 has 11 MA's), (142, 42082), (148, 42067), (160, 42046), (167, 42025), (171, 42016), (179, 41986), (212, 41911),

Gene: Ezurina_2 Start: 591, Stop: 860, Start Num: 118

Candidate Starts for Ezurina_2:

(Start: 118 @591 has 20 MA's), (153, 687), (176, 741),

Gene: FairyPath_37 Start: 33330, Stop: 33575, Start Num: 122

Candidate Starts for FairyPath_37:

(Start: 122 @33330 has 241 MA's), (141, 33387), (157, 33420), (160, 33426), (178, 33480), (182, 33492),

Gene: Faith1_32 Start: 28422, Stop: 28688, Start Num: 122

Candidate Starts for Faith1_32:

(Start: 122 @28422 has 241 MA's), (136, 28467), (158, 28518), (183, 28584), (212, 28656), (221, 28677),

Gene: Fajezeel_63 Start: 40885, Stop: 40616, Start Num: 84

Candidate Starts for Fajezeel_63:

(Start: 84 @40885 has 30 MA's), (Start: 85 @40882 has 118 MA's), (Start: 92 @40870 has 4 MA's), (Start: 128 @40849 has 11 MA's), (142, 40798), (148, 40783), (160, 40762), (171, 40732), (179, 40702), (212, 40627),

Gene: Fameo_58 Start: 38774, Stop: 38502, Start Num: 86

Candidate Starts for Fameo_58:

(Start: 86 @38774 has 127 MA's), (Start: 118 @38765 has 20 MA's), (Start: 127 @38753 has 5 MA's),
(Start: 128 @38747 has 11 MA's), (173, 38624), (182, 38594),

Gene: Fascinus_56 Start: 40671, Stop: 40402, Start Num: 84

Candidate Starts for Fascinus_56:

(Start: 84 @40671 has 30 MA's), (Start: 85 @40668 has 118 MA's), (Start: 92 @40656 has 4 MA's),
(Start: 128 @40635 has 11 MA's), (142, 40584), (148, 40569), (160, 40548), (171, 40518), (179,
40488),

Gene: FatCactus_50 Start: 35904, Stop: 35632, Start Num: 86

Candidate Starts for FatCactus_50:

(Start: 86 @35904 has 127 MA's), (Start: 118 @35895 has 20 MA's), (173, 35754), (182, 35724),

Gene: Fayely_58 Start: 38258, Stop: 37986, Start Num: 86

Candidate Starts for Fayely_58:

(Start: 86 @38258 has 127 MA's), (Start: 118 @38249 has 20 MA's), (139, 38192), (156, 38156), (170,
38117), (178, 38090), (182, 38078),

Gene: Fede_9 Start: 6342, Stop: 6010, Start Num: 115

Candidate Starts for Fede_9:

(Start: 115 @6342 has 53 MA's), (Start: 130 @6303 has 9 MA's), (133, 6291), (138, 6273), (162, 6192),
(192, 6087),

Gene: Fefferhead_64 Start: 43334, Stop: 43576, Start Num: 125

Candidate Starts for Fefferhead_64:

(71, 43265), (Start: 125 @43334 has 175 MA's), (Start: 128 @43343 has 11 MA's), (142, 43394), (157,
43424), (195, 43520),

Gene: Fenn_64 Start: 42653, Stop: 42378, Start Num: 85

Candidate Starts for Fenn_64:

(Start: 85 @42653 has 118 MA's), (Start: 92 @42641 has 4 MA's), (Start: 128 @42611 has 11 MA's),
(142, 42560), (148, 42545), (160, 42524), (167, 42503), (171, 42494), (179, 42464), (212, 42389),

Gene: Feyre_63 Start: 44492, Stop: 44740, Start Num: 125

Candidate Starts for Feyre_63:

(Start: 125 @44492 has 175 MA's), (148, 44567), (177, 44639), (187, 44663),

Gene: Fibonacci_57 Start: 37326, Stop: 37054, Start Num: 86

Candidate Starts for Fibonacci_57:

(Start: 86 @37326 has 127 MA's), (Start: 118 @37317 has 20 MA's), (182, 37146),

Gene: Filch_38 Start: 32893, Stop: 33138, Start Num: 122

Candidate Starts for Filch_38:

(Start: 122 @32893 has 241 MA's), (141, 32950), (157, 32983), (160, 32989), (178, 33043), (182,
33055),

Gene: Findley_69 Start: 46086, Stop: 46331, Start Num: 125

Candidate Starts for Findley_69:

(69, 46023), (Start: 125 @46086 has 175 MA's), (157, 46176), (180, 46245),

Gene: Finemlucis_32 Start: 28698, Stop: 28964, Start Num: 122

Candidate Starts for Finemlucis_32:

(Start: 122 @28698 has 241 MA's), (136, 28743), (158, 28794), (183, 28860), (212, 28932), (221, 28953),

Gene: Finnry_31 Start: 28788, Stop: 29054, Start Num: 122

Candidate Starts for Finnry_31:

(Start: 122 @28788 has 241 MA's), (Start: 128 @28800 has 11 MA's), (136, 28833),

Gene: FireRed_37 Start: 33163, Stop: 33408, Start Num: 122

Candidate Starts for FireRed_37:

(Start: 122 @33163 has 241 MA's), (141, 33220), (157, 33253), (160, 33259), (178, 33313), (182, 33325),

Gene: FiringLine_58 Start: 38424, Stop: 38152, Start Num: 86

Candidate Starts for FiringLine_58:

(Start: 86 @38424 has 127 MA's), (Start: 118 @38415 has 20 MA's), (Start: 127 @38403 has 5 MA's), (Start: 128 @38397 has 11 MA's), (173, 38274),

Gene: FiveHead_43 Start: 26555, Stop: 26893, Start Num: 98

Candidate Starts for FiveHead_43:

(32, 26408), (Start: 98 @26555 has 6 MA's),

Gene: Flaverint_58 Start: 37784, Stop: 37512, Start Num: 86

Candidate Starts for Flaverint_58:

(Start: 86 @37784 has 127 MA's), (Start: 118 @37775 has 20 MA's), (182, 37604),

Gene: Floof_43 Start: 27647, Stop: 27949, Start Num: 112

Candidate Starts for Floof_43:

(Start: 112 @27647 has 27 MA's), (Start: 127 @27665 has 5 MA's), (150, 27767), (156, 27785), (170, 27818), (218, 27932),

Gene: FloraSnap32_108 Start: 86040, Stop: 86288, Start Num: 122

Candidate Starts for FloraSnap32_108:

(Start: 122 @86040 has 241 MA's), (Start: 127 @86046 has 5 MA's), (Start: 128 @86052 has 11 MA's),

Gene: Flutur_33 Start: 24982, Stop: 25248, Start Num: 105

Candidate Starts for Flutur_33:

(18, 24724), (27, 24760), (Start: 105 @24982 has 27 MA's), (180, 25165),

Gene: Flypotenuse_35 Start: 32731, Stop: 32976, Start Num: 122

Candidate Starts for Flypotenuse_35:

(Start: 122 @32731 has 241 MA's), (141, 32788), (157, 32821), (160, 32827), (176, 32875), (178, 32881), (182, 32893),

Gene: FoghornLeghorn_36 Start: 32639, Stop: 32884, Start Num: 122

Candidate Starts for FoghornLeghorn_36:

(Start: 122 @32639 has 241 MA's), (141, 32696), (157, 32729), (160, 32735), (178, 32789), (182, 32801),

Gene: Footloose_59 Start: 33811, Stop: 34044, Start Num: 102

Candidate Starts for Footloose_59:

(Start: 102 @33811 has 1 MA's), (Start: 128 @33826 has 11 MA's), (156, 33895), (171, 33931), (174, 33940), (182, 33967),

Gene: Forester_41 Start: 28747, Stop: 29004, Start Num: 118

Candidate Starts for Forester_41:

(Start: 118 @28747 has 20 MA's), (137, 28801), (183, 28927), (198, 28939), (202, 28951),

Gene: Francis47_60 Start: 41735, Stop: 41460, Start Num: 85

Candidate Starts for Francis47_60:

(Start: 84 @41738 has 30 MA's), (Start: 85 @41735 has 118 MA's), (Start: 92 @41723 has 4 MA's), (Start: 128 @41693 has 11 MA's), (142, 41642), (148, 41627), (160, 41606), (171, 41576), (179, 41546),

Gene: FreakyGoo_40 Start: 32780, Stop: 33040, Start Num: 117

Candidate Starts for FreakyGoo_40:

(46, 32651), (Start: 104 @32762 has 14 MA's), (Start: 117 @32780 has 4 MA's), (142, 32843), (177, 32930), (179, 32939), (183, 32948),

Gene: Froghopper_60 Start: 40239, Stop: 39964, Start Num: 85

Candidate Starts for Froghopper_60:

(Start: 84 @40242 has 30 MA's), (Start: 85 @40239 has 118 MA's), (Start: 92 @40227 has 4 MA's), (Start: 128 @40197 has 11 MA's), (142, 40146), (148, 40131), (160, 40110), (171, 40080), (179, 40050), (212, 39975),

Gene: FrostedClock_111 Start: 87337, Stop: 87585, Start Num: 122

Candidate Starts for FrostedClock_111:

(Start: 122 @87337 has 241 MA's), (Start: 127 @87343 has 5 MA's), (Start: 128 @87349 has 11 MA's),

Gene: Fulbright_49 Start: 33994, Stop: 34242, Start Num: 116

Candidate Starts for Fulbright_49:

(12, 33580), (28, 33787), (31, 33820), (66, 33916), (Start: 116 @33994 has 37 MA's), (Start: 127 @34006 has 5 MA's), (Start: 128 @34012 has 11 MA's), (157, 34090), (179, 34156), (180, 34159),

Gene: Fullmetal_9 Start: 6128, Stop: 5772, Start Num: 115

Candidate Starts for Fullmetal_9:

(Start: 115 @6128 has 53 MA's), (Start: 130 @6089 has 9 MA's), (134, 6074), (159, 5987), (162, 5978), (189, 5870), (193, 5861), (208, 5822),

Gene: Fushigi_58 Start: 39205, Stop: 38936, Start Num: 84

Candidate Starts for Fushigi_58:

(Start: 84 @39205 has 30 MA's), (Start: 85 @39202 has 118 MA's), (Start: 92 @39190 has 4 MA's), (Start: 128 @39169 has 11 MA's), (142, 39118), (148, 39103), (160, 39082), (171, 39052), (179, 39022),

Gene: Gabriela_32 Start: 28684, Stop: 28950, Start Num: 122

Candidate Starts for Gabriela_32:

(Start: 122 @28684 has 241 MA's), (136, 28729), (158, 28780), (183, 28846), (212, 28918), (221, 28939),

Gene: Gachnar_62 Start: 41366, Stop: 41091, Start Num: 85

Candidate Starts for Gachnar_62:

(75, 41390), (Start: 84 @41369 has 30 MA's), (Start: 85 @41366 has 118 MA's), (Start: 92 @41354 has 4 MA's), (142, 41273), (148, 41258), (160, 41237), (171, 41207), (179, 41177), (212, 41102),

Gene: Gage_39 Start: 33125, Stop: 33370, Start Num: 122

Candidate Starts for Gage_39:

(Start: 122 @33125 has 241 MA's), (141, 33182), (157, 33215), (160, 33221), (178, 33275), (182, 33287),

Gene: GageAP_63 Start: 41646, Stop: 41380, Start Num: 85

Candidate Starts for GageAP_63:

(Start: 84 @41649 has 30 MA's), (Start: 85 @41646 has 118 MA's), (Start: 92 @41634 has 4 MA's), (Start: 128 @41613 has 11 MA's), (142, 41562), (148, 41547), (160, 41526), (171, 41496), (179, 41466), (212, 41391),

Gene: Gallia_65 Start: 51190, Stop: 50906, Start Num: 130

Candidate Starts for Gallia_65:

(Start: 130 @51190 has 9 MA's), (145, 51130), (211, 50935),

Gene: Gambol_31 Start: 22494, Stop: 22760, Start Num: 113

Candidate Starts for Gambol_31:

(Start: 113 @22494 has 23 MA's), (Start: 121 @22503 has 23 MA's), (Start: 125 @22509 has 175 MA's), (144, 22572),

Gene: Gandalf20_64 Start: 42393, Stop: 42118, Start Num: 85

Candidate Starts for Gandalf20_64:

(Start: 84 @42396 has 30 MA's), (Start: 85 @42393 has 118 MA's), (Start: 92 @42381 has 4 MA's), (Start: 128 @42351 has 11 MA's), (142, 42300), (148, 42285), (160, 42264), (171, 42234), (179, 42204),

Gene: Ganymede_66 Start: 43845, Stop: 44087, Start Num: 125

Candidate Starts for Ganymede_66:

(Start: 125 @43845 has 175 MA's), (157, 43935), (195, 44031), (205, 44055),

Gene: Gardann_32 Start: 28424, Stop: 28690, Start Num: 122

Candidate Starts for Gardann_32:

(Start: 122 @28424 has 241 MA's), (136, 28469), (158, 28520), (183, 28586), (212, 28658), (221, 28679),

Gene: GardenSalsa_44 Start: 33882, Stop: 34133, Start Num: 120

Candidate Starts for GardenSalsa_44:

(Start: 120 @33882 has 24 MA's), (175, 34026), (176, 34029), (180, 34044), (208, 34098),

Gene: GardenState_42 Start: 27075, Stop: 27341, Start Num: 118

Candidate Starts for GardenState_42:

(Start: 118 @27075 has 20 MA's),

Gene: Gator_35 Start: 32743, Stop: 32988, Start Num: 122

Candidate Starts for Gator_35:

(Start: 122 @32743 has 241 MA's), (141, 32800), (157, 32833), (160, 32839), (178, 32893), (182, 32905),

Gene: Geeche_123 Start: 70760, Stop: 71053, Start Num: 111

Candidate Starts for Geeche_123:

(Start: 111 @70760 has 18 MA's), (134, 70808), (179, 70937),

Gene: Gemini_40 Start: 33642, Stop: 33887, Start Num: 122

Candidate Starts for Gemini_40:

(Start: 122 @33642 has 241 MA's), (141, 33699), (157, 33732), (160, 33738), (178, 33792), (182, 33804),

Gene: GenevaB15_44 Start: 33930, Stop: 34181, Start Num: 120

Candidate Starts for GenevaB15_44:

(Start: 120 @33930 has 24 MA's), (157, 34023), (175, 34074), (176, 34077), (180, 34092), (208, 34146),

Gene: Gengar_60 Start: 42478, Stop: 42726, Start Num: 125

Candidate Starts for Gengar_60:

(Start: 125 @42478 has 175 MA's), (144, 42541),

Gene: Georgie2_59 Start: 38469, Stop: 38197, Start Num: 86

Candidate Starts for Georgie2_59:

(Start: 86 @38469 has 127 MA's), (Start: 118 @38460 has 20 MA's), (Start: 127 @38448 has 5 MA's), (Start: 128 @38442 has 11 MA's),

Gene: Geraldini_69 Start: 44501, Stop: 44743, Start Num: 125

Candidate Starts for Geraldini_69:

(Start: 125 @44501 has 175 MA's), (157, 44591), (195, 44687), (205, 44711),

Gene: Gerri43_3 Start: 977, Stop: 1246, Start Num: 118

Candidate Starts for Gerri43_3:

(Start: 118 @977 has 20 MA's),

Gene: Gex_50 Start: 34921, Stop: 35169, Start Num: 116

Candidate Starts for Gex_50:

(12, 34507), (28, 34714), (31, 34747), (66, 34843), (Start: 116 @34921 has 37 MA's), (Start: 127 @34933 has 5 MA's), (Start: 128 @34939 has 11 MA's), (157, 35017), (179, 35083), (180, 35086),

Gene: Gilberta_58 Start: 37777, Stop: 37505, Start Num: 86

Candidate Starts for Gilberta_58:

(Start: 86 @37777 has 127 MA's), (Start: 118 @37768 has 20 MA's), (182, 37597),

Gene: Giorgio_31 Start: 22596, Stop: 22862, Start Num: 113

Candidate Starts for Giorgio_31:

(Start: 113 @22596 has 23 MA's), (Start: 125 @22611 has 175 MA's), (144, 22674), (201, 22794),

Gene: Glaske16_40 Start: 32761, Stop: 33039, Start Num: 104

Candidate Starts for Glaske16_40:

(46, 32650), (Start: 104 @32761 has 14 MA's), (Start: 117 @32779 has 4 MA's), (142, 32842), (177, 32929), (179, 32938), (183, 32947),

Gene: Glexan_35 Start: 32731, Stop: 32976, Start Num: 122

Candidate Starts for Glexan_35:

(Start: 122 @32731 has 241 MA's), (141, 32788), (157, 32821), (160, 32827), (176, 32875), (178, 32881), (182, 32893),

Gene: Goib_64 Start: 40122, Stop: 40346, Start Num: 125

Candidate Starts for Goib_64:

(Start: 125 @40122 has 175 MA's), (137, 40164), (157, 40209), (164, 40218), (178, 40269), (180, 40278),

Gene: Goku_38 Start: 33376, Stop: 33624, Start Num: 121

Candidate Starts for Goku_38:

(79, 33307), (81, 33310), (Start: 94 @33337 has 10 MA's), (Start: 121 @33376 has 23 MA's), (141, 33436), (157, 33469), (160, 33475), (178, 33529), (182, 33541),

Gene: GoldDust_40 Start: 33666, Stop: 33986, Start Num: 108

Candidate Starts for GoldDust_40:

(Start: 108 @33666 has 6 MA's), (138, 33732), (203, 33912), (220, 33957),

Gene: GoldenEssence_94 Start: 80932, Stop: 81180, Start Num: 122

Candidate Starts for GoldenEssence_94:

(Start: 122 @80932 has 241 MA's), (Start: 127 @80938 has 5 MA's), (Start: 128 @80944 has 11 MA's),

Gene: GoldenSpark_39 Start: 33125, Stop: 33370, Start Num: 122

Candidate Starts for GoldenSpark_39:

(Start: 122 @33125 has 241 MA's), (141, 33182), (157, 33215), (160, 33221), (178, 33275), (182, 33287),

Gene: Goldilocks_38 Start: 32545, Stop: 32790, Start Num: 122

Candidate Starts for Goldilocks_38:

(Start: 122 @32545 has 241 MA's), (141, 32602), (157, 32635), (160, 32641), (178, 32695), (182, 32707),

Gene: Gompeii16_61 Start: 42810, Stop: 42544, Start Num: 85

Candidate Starts for Gompeii16_61:

(Start: 84 @42813 has 30 MA's), (Start: 85 @42810 has 118 MA's), (Start: 92 @42798 has 4 MA's), (Start: 128 @42777 has 11 MA's), (142, 42726), (148, 42711), (160, 42690), (171, 42660), (179, 42630),

Gene: GooberAzure_39 Start: 33125, Stop: 33370, Start Num: 122

Candidate Starts for GooberAzure_39:

(Start: 122 @33125 has 241 MA's), (141, 33182), (157, 33215), (160, 33221), (178, 33275), (182, 33287),

Gene: Gooberta_40 Start: 33665, Stop: 33985, Start Num: 108

Candidate Starts for Gooberta_40:

(Start: 108 @33665 has 6 MA's), (138, 33731), (203, 33911), (220, 33956),

Gene: Graduation_66 Start: 42500, Stop: 42234, Start Num: 85

Candidate Starts for Graduation_66:

(Start: 84 @42503 has 30 MA's), (Start: 85 @42500 has 118 MA's), (Start: 92 @42488 has 4 MA's), (Start: 128 @42467 has 11 MA's), (142, 42416), (148, 42401), (160, 42380), (171, 42350), (179, 42320), (212, 42245),

Gene: GrecoEtereo_61 Start: 40288, Stop: 40022, Start Num: 85

Candidate Starts for GrecoEtereo_61:

(Start: 84 @40291 has 30 MA's), (Start: 85 @40288 has 118 MA's), (Start: 92 @40276 has 4 MA's), (Start: 128 @40255 has 11 MA's), (142, 40204), (148, 40189), (160, 40168), (171, 40138), (179,

40108),

Gene: Greep_38 Start: 33455, Stop: 33700, Start Num: 122

Candidate Starts for Greep_38:

(Start: 122 @33455 has 241 MA's), (141, 33512), (157, 33545), (160, 33551), (178, 33605), (182, 33617),

Gene: Greg_63 Start: 40885, Stop: 40616, Start Num: 84

Candidate Starts for Greg_63:

(Start: 84 @40885 has 30 MA's), (Start: 85 @40882 has 118 MA's), (Start: 92 @40870 has 4 MA's), (Start: 128 @40849 has 11 MA's), (142, 40798), (148, 40783), (160, 40762), (171, 40732), (179, 40702), (212, 40627),

Gene: Gretchen_42 Start: 28431, Stop: 28688, Start Num: 118

Candidate Starts for Gretchen_42:

(Start: 118 @28431 has 20 MA's), (137, 28485), (183, 28611), (198, 28623), (202, 28635),

Gene: GroundGoblin_59 Start: 40911, Stop: 40645, Start Num: 85

Candidate Starts for GroundGoblin_59:

(Start: 84 @40914 has 30 MA's), (Start: 85 @40911 has 118 MA's), (Start: 92 @40899 has 4 MA's), (Start: 128 @40878 has 11 MA's), (142, 40827), (148, 40812), (160, 40791), (171, 40761), (179, 40731),

Gene: Gspu1_55 Start: 37586, Stop: 37813, Start Num: 125

Candidate Starts for Gspu1_55:

(Start: 125 @37586 has 175 MA's), (137, 37628), (156, 37670), (179, 37739), (185, 37748), (208, 37796),

Gene: Guanica15_71 Start: 43944, Stop: 44186, Start Num: 125

Candidate Starts for Guanica15_71:

(69, 43866), (Start: 125 @43944 has 175 MA's), (195, 44130),

Gene: Guillsminger_61 Start: 42432, Stop: 42680, Start Num: 125

Candidate Starts for Guillsminger_61:

(Start: 125 @42432 has 175 MA's), (148, 42507), (177, 42579),

Gene: Gumpizza_31 Start: 22588, Stop: 22854, Start Num: 113

Candidate Starts for Gumpizza_31:

(Start: 113 @22588 has 23 MA's), (Start: 125 @22603 has 175 MA's), (144, 22666), (201, 22786),

Gene: GuuelaD_32 Start: 28456, Stop: 28722, Start Num: 122

Candidate Starts for GuuelaD_32:

(Start: 122 @28456 has 241 MA's), (136, 28501), (158, 28552), (183, 28618), (212, 28690), (221, 28711),

Gene: Gwendoluna_65 Start: 43032, Stop: 42778, Start Num: 92

Candidate Starts for Gwendoluna_65:

(Start: 83 @43044 has 6 MA's), (Start: 92 @43032 has 4 MA's), (Start: 128 @43011 has 11 MA's), (142, 42960), (148, 42945), (160, 42924), (167, 42903), (171, 42894), (179, 42864),

Gene: Gyzlar_57 Start: 38964, Stop: 38710, Start Num: 92

Candidate Starts for Gyzlar_57:

(Start: 83 @38976 has 6 MA's), (Start: 92 @38964 has 4 MA's), (Start: 128 @38943 has 11 MA's), (142, 38892), (148, 38877), (160, 38856), (171, 38826), (179, 38796), (212, 38721),

Gene: Halley_52 Start: 44132, Stop: 44377, Start Num: 122

Candidate Starts for Halley_52:

(Start: 122 @44132 has 241 MA's), (142, 44195), (157, 44225), (158, 44228), (180, 44288), (182, 44291), (183, 44294),

Gene: Halsey_31 Start: 22590, Stop: 22856, Start Num: 113

Candidate Starts for Halsey_31:

(Start: 113 @22590 has 23 MA's), (Start: 125 @22605 has 175 MA's), (144, 22668), (151, 22686), (201, 22788),

Gene: Hami1_57 Start: 36945, Stop: 36679, Start Num: 85

Candidate Starts for Hami1_57:

(Start: 84 @36948 has 30 MA's), (Start: 85 @36945 has 118 MA's), (Start: 92 @36933 has 4 MA's), (Start: 128 @36912 has 11 MA's), (142, 36861), (148, 36846), (160, 36825), (171, 36795), (179, 36765),

Gene: Hammy_66 Start: 43955, Stop: 44194, Start Num: 125

Candidate Starts for Hammy_66:

(Start: 125 @43955 has 175 MA's), (157, 44045), (177, 44105),

Gene: HanKaySha_38 Start: 32877, Stop: 33122, Start Num: 122

Candidate Starts for HanKaySha_38:

(Start: 122 @32877 has 241 MA's), (141, 32934), (157, 32967), (160, 32973), (178, 33027), (182, 33039),

Gene: Hanako_55 Start: 36173, Stop: 36421, Start Num: 116

Candidate Starts for Hanako_55:

(Start: 116 @36173 has 37 MA's), (Start: 127 @36185 has 5 MA's), (179, 36335), (180, 36338), (218, 36413),

Gene: Hannaconda_48 Start: 38620, Stop: 38868, Start Num: 122

Candidate Starts for Hannaconda_48:

(Start: 122 @38620 has 241 MA's), (174, 38752),

Gene: Harella_36 Start: 33247, Stop: 33492, Start Num: 122

Candidate Starts for Harella_36:

(Start: 122 @33247 has 241 MA's), (141, 33304), (157, 33337), (160, 33343), (176, 33391), (178, 33397), (182, 33409),

Gene: HarryOW_60 Start: 40966, Stop: 40688, Start Num: 84

Candidate Starts for HarryOW_60:

(Start: 84 @40966 has 30 MA's), (Start: 85 @40963 has 118 MA's), (Start: 92 @40951 has 4 MA's), (Start: 128 @40921 has 11 MA's), (142, 40870), (148, 40855), (160, 40834), (171, 40804), (179, 40774),

Gene: HedwigODU_66 Start: 43467, Stop: 43709, Start Num: 125

Candidate Starts for HedwigODU_66:

(Start: 125 @43467 has 175 MA's), (157, 43557), (195, 43653), (205, 43677),

Gene: Heffalump_57 Start: 39242, Stop: 38970, Start Num: 86

Candidate Starts for Heffalump_57:

(Start: 86 @39242 has 127 MA's), (Start: 118 @39233 has 20 MA's), (Start: 127 @39221 has 5 MA's), (Start: 128 @39215 has 11 MA's), (173, 39092), (182, 39062),

Gene: Heftyboy_61 Start: 42799, Stop: 43047, Start Num: 125

Candidate Starts for Heftyboy_61:

(Start: 125 @42799 has 175 MA's), (148, 42874), (177, 42946), (187, 42970),

Gene: Henry_38 Start: 33135, Stop: 33380, Start Num: 122

Candidate Starts for Henry_38:

(Start: 122 @33135 has 241 MA's), (141, 33192), (157, 33225), (160, 33231), (176, 33279), (178, 33285), (182, 33297),

Gene: Herbertwm_56 Start: 38206, Stop: 37934, Start Num: 86

Candidate Starts for Herbertwm_56:

(24, 38407), (Start: 86 @38206 has 127 MA's), (Start: 118 @38197 has 20 MA's), (Start: 127 @38185 has 5 MA's), (137, 38146), (138, 38143), (157, 38101), (160, 38095), (173, 38056), (182, 38026),

Gene: Hermia_60 Start: 40961, Stop: 40695, Start Num: 85

Candidate Starts for Hermia_60:

(Start: 84 @40964 has 30 MA's), (Start: 85 @40961 has 118 MA's), (Start: 92 @40949 has 4 MA's), (Start: 128 @40928 has 11 MA's), (142, 40877), (148, 40862), (160, 40841), (171, 40811), (179, 40781),

Gene: Highbury_38 Start: 32793, Stop: 33038, Start Num: 122

Candidate Starts for Highbury_38:

(Start: 122 @32793 has 241 MA's), (141, 32850), (157, 32883), (160, 32889), (178, 32943), (182, 32955),

Gene: HippoHollow_58 Start: 39876, Stop: 39604, Start Num: 86

Candidate Starts for HippoHollow_58:

(8, 40299), (9, 40290), (17, 40116), (24, 40077), (Start: 86 @39876 has 127 MA's), (Start: 127 @39855 has 5 MA's), (Start: 128 @39849 has 11 MA's), (173, 39726), (182, 39696),

Gene: Hirko_38 Start: 32932, Stop: 33225, Start Num: 108

Candidate Starts for Hirko_38:

(Start: 97 @32917 has 2 MA's), (Start: 108 @32932 has 6 MA's), (158, 33052), (176, 33100), (220, 33196),

Gene: HitchHiker_10 Start: 6310, Stop: 5987, Start Num: 115

Candidate Starts for HitchHiker_10:

(33, 6478), (37, 6460), (50, 6427), (Start: 115 @6310 has 53 MA's), (133, 6259), (137, 6244), (149, 6196), (177, 6088), (203, 6040), (208, 6022),

Gene: HokkenD_45 Start: 42401, Stop: 42646, Start Num: 122

Candidate Starts for HokkenD_45:

(Start: 122 @42401 has 241 MA's), (142, 42464), (157, 42494), (158, 42497), (180, 42557), (182, 42560), (183, 42563),

Gene: Holt_38 Start: 32412, Stop: 32657, Start Num: 122

Candidate Starts for Holt_38:

(Start: 122 @32412 has 241 MA's), (141, 32469), (157, 32502), (160, 32508), (176, 32556), (178, 32562), (182, 32574),

Gene: Homines_54 Start: 37291, Stop: 37025, Start Num: 85

Candidate Starts for Homines_54:

(Start: 84 @37294 has 30 MA's), (Start: 85 @37291 has 118 MA's), (Start: 92 @37279 has 4 MA's), (Start: 128 @37258 has 11 MA's), (142, 37207), (148, 37192), (160, 37171), (171, 37141), (179, 37111), (212, 37036),

Gene: Homura_66 Start: 43622, Stop: 43864, Start Num: 125

Candidate Starts for Homura_66:

(Start: 125 @43622 has 175 MA's), (157, 43712), (195, 43808), (205, 43832),

Gene: Honk_39 Start: 24394, Stop: 24654, Start Num: 118

Candidate Starts for Honk_39:

(Start: 118 @24394 has 20 MA's), (132, 24433),

Gene: Hoonter_39 Start: 33125, Stop: 33370, Start Num: 122

Candidate Starts for Hoonter_39:

(Start: 122 @33125 has 241 MA's), (141, 33182), (157, 33215), (160, 33221), (178, 33275), (182, 33287),

Gene: Hope4ever_63 Start: 41279, Stop: 41004, Start Num: 85

Candidate Starts for Hope4ever_63:

(Start: 84 @41282 has 30 MA's), (Start: 85 @41279 has 118 MA's), (Start: 92 @41267 has 4 MA's), (Start: 128 @41237 has 11 MA's), (142, 41186), (148, 41171), (160, 41150), (171, 41120), (179, 41090), (212, 41015),

Gene: Hokey_39 Start: 33412, Stop: 33657, Start Num: 122

Candidate Starts for Hokey_39:

(Start: 122 @33412 has 241 MA's), (141, 33469), (157, 33502), (160, 33508), (178, 33562), (182, 33574),

Gene: HortumSL17_58 Start: 38225, Stop: 37953, Start Num: 86

Candidate Starts for HortumSL17_58:

(Start: 86 @38225 has 127 MA's), (Start: 118 @38216 has 20 MA's), (139, 38159), (156, 38123), (170, 38084), (178, 38057), (182, 38045),

Gene: HufflyPuff_36 Start: 33119, Stop: 33364, Start Num: 122

Candidate Starts for HufflyPuff_36:

(Start: 122 @33119 has 241 MA's), (141, 33176), (157, 33209), (160, 33215), (178, 33269), (182, 33281),

Gene: Huffly_63 Start: 39006, Stop: 39230, Start Num: 125

Candidate Starts for Huffly_63:

(Start: 125 @39006 has 175 MA's), (137, 39048), (157, 39093), (164, 39102), (178, 39153), (180, 39162), (194, 39183),

Gene: Hughesyang_50 Start: 44061, Stop: 44306, Start Num: 122

Candidate Starts for Hughesyang_50:

(Start: 122 @44061 has 241 MA's), (142, 44124), (157, 44154), (158, 44157), (180, 44217), (182, 44220), (183, 44223),

Gene: Hurricane_68 Start: 44101, Stop: 44340, Start Num: 120

Candidate Starts for Hurricane_68:

(Start: 120 @44101 has 24 MA's), (134, 44134), (157, 44188), (177, 44248), (180, 44260),

Gene: Hutc2_57 Start: 37326, Stop: 37054, Start Num: 86

Candidate Starts for Hutc2_57:

(Start: 86 @37326 has 127 MA's), (Start: 118 @37317 has 20 MA's), (182, 37146),

Gene: Hyperbowlee_66 Start: 43819, Stop: 44061, Start Num: 125

Candidate Starts for Hyperbowlee_66:

(Start: 125 @43819 has 175 MA's), (157, 43909), (195, 44005), (205, 44029),

Gene: IAmGroot_42 Start: 27740, Stop: 28006, Start Num: 118

Candidate Starts for IAmGroot_42:

(Start: 118 @27740 has 20 MA's),

Gene: ILeeKay_64 Start: 41170, Stop: 40895, Start Num: 85

Candidate Starts for ILeeKay_64:

(Start: 84 @41173 has 30 MA's), (Start: 85 @41170 has 118 MA's), (Start: 92 @41158 has 4 MA's), (142, 41077), (148, 41062), (160, 41041), (171, 41011), (179, 40981),

Gene: IPhane7_39 Start: 32762, Stop: 33040, Start Num: 104

Candidate Starts for IPhane7_39:

(46, 32651), (Start: 104 @32762 has 14 MA's), (Start: 117 @32780 has 4 MA's), (142, 32843), (177, 32930), (179, 32939), (183, 32948),

Gene: Icee_36 Start: 32793, Stop: 33038, Start Num: 122

Candidate Starts for Icee_36:

(Start: 122 @32793 has 241 MA's), (141, 32850), (157, 32883), (160, 32889), (178, 32943), (182, 32955),

Gene: Ichabod_66 Start: 42392, Stop: 42126, Start Num: 85

Candidate Starts for Ichabod_66:

(Start: 84 @42395 has 30 MA's), (Start: 85 @42392 has 118 MA's), (Start: 92 @42380 has 4 MA's), (Start: 128 @42359 has 11 MA's), (142, 42308), (148, 42293), (160, 42272), (171, 42242), (179, 42212), (212, 42137),

Gene: Illumine_72 Start: 45460, Stop: 45702, Start Num: 125

Candidate Starts for Illumine_72:

(Start: 125 @45460 has 175 MA's), (157, 45550), (195, 45646), (205, 45670),

Gene: Impisi_56 Start: 35970, Stop: 36218, Start Num: 116

Candidate Starts for Impisi_56:

(Start: 116 @35970 has 37 MA's), (Start: 127 @35982 has 5 MA's), (157, 36066), (179, 36132), (180, 36135), (218, 36210),

Gene: Inca_36 Start: 31814, Stop: 32059, Start Num: 122

Candidate Starts for Inca_36:

(Start: 122 @31814 has 241 MA's), (141, 31871), (157, 31904), (160, 31910), (178, 31964), (182, 31976),

Gene: Indlulamithi_37 Start: 32452, Stop: 32694, Start Num: 122

Candidate Starts for Indlulamithi_37:

(Start: 122 @32452 has 241 MA's), (139, 32506), (181, 32593), (217, 32677), (218, 32680),

Gene: Inky_66 Start: 43622, Stop: 43864, Start Num: 125
Candidate Starts for Inky_66:
(Start: 125 @43622 has 175 MA's), (157, 43712), (195, 43808), (205, 43832),

Gene: Insomnia_58 Start: 37837, Stop: 37565, Start Num: 86
Candidate Starts for Insomnia_58:
(Start: 86 @37837 has 127 MA's), (Start: 118 @37828 has 20 MA's), (182, 37657),

Gene: InvictusManeo_58 Start: 40773, Stop: 41021, Start Num: 125
Candidate Starts for InvictusManeo_58:
(Start: 125 @40773 has 175 MA's), (172, 40905), (180, 40935), (201, 40968),

Gene: Inyanga_57 Start: 41026, Stop: 40760, Start Num: 85
Candidate Starts for Inyanga_57:
(Start: 84 @41029 has 30 MA's), (Start: 85 @41026 has 118 MA's), (Start: 92 @41014 has 4 MA's),
(Start: 128 @40993 has 11 MA's), (142, 40942), (148, 40927), (160, 40906), (171, 40876), (179,
40846), (212, 40771),

Gene: Iqorha_57 Start: 41025, Stop: 40759, Start Num: 85
Candidate Starts for Iqorha_57:
(Start: 84 @41028 has 30 MA's), (Start: 85 @41025 has 118 MA's), (Start: 92 @41013 has 4 MA's),
(Start: 128 @40992 has 11 MA's), (142, 40941), (148, 40926), (160, 40905), (171, 40875), (179,
40845), (212, 40770),

Gene: Iter_34 Start: 24797, Stop: 25063, Start Num: 105
Candidate Starts for Iter_34:
(Start: 105 @24797 has 27 MA's), (180, 24980),

Gene: Itos_32 Start: 28422, Stop: 28688, Start Num: 122
Candidate Starts for Itos_32:
(Start: 122 @28422 has 241 MA's), (136, 28467), (158, 28518), (183, 28584), (212, 28656), (221,
28677),

Gene: IttyBittyPiggy_33 Start: 24853, Stop: 25107, Start Num: 101
Candidate Starts for IttyBittyPiggy_33:
(18, 24598), (27, 24634), (Start: 101 @24853 has 4 MA's),

Gene: Izel_40 Start: 32761, Stop: 33039, Start Num: 104
Candidate Starts for Izel_40:
(46, 32650), (Start: 104 @32761 has 14 MA's), (Start: 117 @32779 has 4 MA's), (142, 32842), (177,
32929), (179, 32938), (183, 32947),

Gene: JAWS_67 Start: 43898, Stop: 44140, Start Num: 125
Candidate Starts for JAWS_67:
(Start: 125 @43898 has 175 MA's), (157, 43988), (195, 44084), (205, 44108),

Gene: JC27_65 Start: 41732, Stop: 41466, Start Num: 85
Candidate Starts for JC27_65:
(Start: 85 @41732 has 118 MA's), (Start: 92 @41720 has 4 MA's), (Start: 127 @41705 has 5 MA's),
(Start: 128 @41699 has 11 MA's), (142, 41648), (148, 41633), (160, 41612), (171, 41582), (179,
41552),

Gene: JSwag_63 Start: 37391, Stop: 37122, Start Num: 112

Candidate Starts for JSwag_63:
(10, 37835), (11, 37811), (15, 37733), (Start: 112 @37391 has 27 MA's), (182, 37214),

Gene: Jabith_58 Start: 37838, Stop: 37566, Start Num: 86
Candidate Starts for Jabith_58:
(Start: 86 @37838 has 127 MA's), (Start: 118 @37829 has 20 MA's), (182, 37658),

Gene: Jamie19_49 Start: 34464, Stop: 34712, Start Num: 116
Candidate Starts for Jamie19_49:
(Start: 116 @34464 has 37 MA's), (Start: 127 @34476 has 5 MA's), (179, 34626), (180, 34629), (218, 34704),

Gene: Janeemi_35 Start: 26823, Stop: 27089, Start Num: 105
Candidate Starts for Janeemi_35:
(Start: 105 @26823 has 27 MA's),

Gene: Jarvi_66 Start: 43622, Stop: 43864, Start Num: 125
Candidate Starts for Jarvi_66:
(Start: 125 @43622 has 175 MA's), (157, 43712), (195, 43808), (205, 43832),

Gene: JasmineDragon_39 Start: 26463, Stop: 26750, Start Num: 98
Candidate Starts for JasmineDragon_39:
(Start: 98 @26463 has 6 MA's), (182, 26655),

Gene: Jasper_62 Start: 40214, Stop: 39948, Start Num: 85
Candidate Starts for Jasper_62:
(Start: 85 @40214 has 118 MA's), (Start: 92 @40202 has 4 MA's), (Start: 127 @40187 has 5 MA's),
(Start: 128 @40181 has 11 MA's), (142, 40130), (148, 40115), (160, 40094), (171, 40064), (179, 40034), (212, 39959),

Gene: Jayhawk_68 Start: 43965, Stop: 44207, Start Num: 125
Candidate Starts for Jayhawk_68:
(Start: 125 @43965 has 175 MA's), (157, 44055), (195, 44151), (205, 44175),

Gene: JeTaime_39 Start: 33936, Stop: 34181, Start Num: 122
Candidate Starts for JeTaime_39:
(Start: 122 @33936 has 241 MA's), (141, 33993), (157, 34026), (160, 34032), (178, 34086), (182, 34098),

Gene: Jeckyll_66 Start: 43622, Stop: 43864, Start Num: 125
Candidate Starts for Jeckyll_66:
(Start: 125 @43622 has 175 MA's), (157, 43712), (195, 43808), (205, 43832),

Gene: Jerm_60 Start: 38841, Stop: 38569, Start Num: 86
Candidate Starts for Jerm_60:
(Start: 86 @38841 has 127 MA's), (Start: 118 @38832 has 20 MA's), (Start: 127 @38820 has 5 MA's),
(Start: 128 @38814 has 11 MA's), (173, 38691),

Gene: Jerm2_64 Start: 42536, Stop: 42270, Start Num: 85
Candidate Starts for Jerm2_64:
(Start: 84 @42539 has 30 MA's), (Start: 85 @42536 has 118 MA's), (Start: 92 @42524 has 4 MA's),
(Start: 128 @42503 has 11 MA's), (142, 42452), (148, 42437), (160, 42416), (171, 42386), (179, 42356), (212, 42281),

Gene: JessellCookie_9 Start: 6219, Stop: 5899, Start Num: 115

Candidate Starts for JessellCookie_9:

(Start: 115 @6219 has 53 MA's), (133, 6168), (134, 6165), (176, 6000), (208, 5931),

Gene: Jiawan_56 Start: 38310, Stop: 38038, Start Num: 86

Candidate Starts for Jiawan_56:

(Start: 86 @38310 has 127 MA's), (Start: 118 @38301 has 20 MA's), (139, 38244), (156, 38208), (170, 38169), (178, 38142), (182, 38130),

Gene: JimmyPG_9 Start: 6105, Stop: 5752, Start Num: 118

Candidate Starts for JimmyPG_9:

(61, 6201), (Start: 115 @6108 has 53 MA's), (Start: 118 @6105 has 20 MA's), (Start: 130 @6069 has 9 MA's), (161, 5961), (168, 5916), (193, 5841), (208, 5802),

Gene: Jinkies_45 Start: 34146, Stop: 34457, Start Num: 108

Candidate Starts for Jinkies_45:

(Start: 108 @34146 has 6 MA's), (Start: 122 @34164 has 241 MA's), (152, 34263), (156, 34272), (208, 34398), (223, 34434),

Gene: Joemato_33 Start: 24755, Stop: 25021, Start Num: 105

Candidate Starts for Joemato_33:

(18, 24497), (Start: 105 @24755 has 27 MA's), (180, 24938),

Gene: JohnDoe_33 Start: 24746, Stop: 25012, Start Num: 105

Candidate Starts for JohnDoe_33:

(18, 24488), (Start: 105 @24746 has 27 MA's), (180, 24929),

Gene: JohnThicc_42 Start: 26555, Stop: 26893, Start Num: 98

Candidate Starts for JohnThicc_42:

(32, 26408), (Start: 98 @26555 has 6 MA's),

Gene: JonJames_133 Start: 77174, Stop: 77473, Start Num: 111

Candidate Starts for JonJames_133:

(Start: 111 @77174 has 18 MA's), (137, 77234), (154, 77276), (157, 77285), (171, 77321), (179, 77351),

Gene: JordanFarm_9 Start: 6089, Stop: 5751, Start Num: 115

Candidate Starts for JordanFarm_9:

(52, 6161), (Start: 115 @6089 has 53 MA's), (Start: 130 @6050 has 9 MA's), (147, 5978), (162, 5939), (210, 5798),

Gene: Jorgensen_65 Start: 41384, Stop: 41109, Start Num: 85

Candidate Starts for Jorgensen_65:

(Start: 84 @41387 has 30 MA's), (Start: 85 @41384 has 118 MA's), (Start: 92 @41372 has 4 MA's), (Start: 128 @41342 has 11 MA's), (142, 41291), (148, 41276), (160, 41255), (171, 41225), (179, 41195), (212, 41120),

Gene: Joselito_58 Start: 37786, Stop: 37514, Start Num: 86

Candidate Starts for Joselito_58:

(Start: 86 @37786 has 127 MA's), (Start: 118 @37777 has 20 MA's), (182, 37606),

Gene: Journey13_52 Start: 36811, Stop: 36539, Start Num: 86

Candidate Starts for Journey13_52:

(Start: 86 @36811 has 127 MA's), (Start: 118 @36802 has 20 MA's), (Start: 128 @36784 has 11 MA's), (160, 36700), (173, 36661), (182, 36631),

Gene: Joy99_66 Start: 43551, Stop: 43793, Start Num: 125

Candidate Starts for Joy99_66:

(Start: 125 @43551 has 175 MA's), (157, 43641), (195, 43737), (205, 43761),

Gene: JoyLin_51 Start: 37210, Stop: 37458, Start Num: 121

Candidate Starts for JoyLin_51:

(Start: 121 @37210 has 23 MA's), (156, 37309), (158, 37315), (179, 37369), (180, 37372), (183, 37378), (222, 37447),

Gene: Jsquared_56 Start: 37405, Stop: 37133, Start Num: 86

Candidate Starts for Jsquared_56:

(Start: 86 @37405 has 127 MA's), (Start: 127 @37384 has 5 MA's), (Start: 128 @37378 has 11 MA's), (173, 37255), (176, 37243),

Gene: Jstan_36 Start: 26608, Stop: 26865, Start Num: 121

Candidate Starts for Jstan_36:

(18, 26371), (20, 26380), (Start: 121 @26608 has 23 MA's), (137, 26656), (182, 26773),

Gene: Jubie_31 Start: 28785, Stop: 29051, Start Num: 122

Candidate Starts for Jubie_31:

(Start: 122 @28785 has 241 MA's), (Start: 128 @28797 has 11 MA's), (136, 28830),

Gene: JuicyJay_54 Start: 45887, Stop: 46132, Start Num: 122

Candidate Starts for JuicyJay_54:

(Start: 122 @45887 has 241 MA's), (142, 45950), (157, 45980), (158, 45983), (180, 46043), (182, 46046), (183, 46049),

Gene: JuliaChild_63 Start: 41613, Stop: 41338, Start Num: 85

Candidate Starts for JuliaChild_63:

(Start: 84 @41616 has 30 MA's), (Start: 85 @41613 has 118 MA's), (Start: 92 @41601 has 4 MA's), (Start: 128 @41571 has 11 MA's), (142, 41520), (148, 41505), (160, 41484), (171, 41454), (179, 41424),

Gene: JuneStar_33 Start: 26763, Stop: 27023, Start Num: 105

Candidate Starts for JuneStar_33:

(Start: 105 @26763 has 27 MA's), (180, 26922),

Gene: KSSJEB_62 Start: 40592, Stop: 40323, Start Num: 84

Candidate Starts for KSSJEB_62:

(Start: 84 @40592 has 30 MA's), (Start: 85 @40589 has 118 MA's), (Start: 92 @40577 has 4 MA's), (Start: 128 @40556 has 11 MA's), (142, 40505), (148, 40490), (160, 40469), (171, 40439), (179, 40409),

Gene: KSunshine22_102 Start: 83941, Stop: 84201, Start Num: 122

Candidate Starts for KSunshine22_102:

(Start: 122 @83941 has 241 MA's), (215, 84160), (217, 84163),

Gene: Kalah2_52 Start: 44487, Stop: 44732, Start Num: 122

Candidate Starts for Kalah2_52:

(Start: 122 @44487 has 241 MA's), (142, 44550), (157, 44580), (158, 44583), (180, 44643), (182, 44646), (183, 44649),

Gene: Kalimba_31 Start: 22493, Stop: 22759, Start Num: 113

Candidate Starts for Kalimba_31:

(Start: 113 @22493 has 23 MA's), (Start: 121 @22502 has 23 MA's), (Start: 125 @22508 has 175 MA's), (144, 22571),

Gene: Kanely_63 Start: 41177, Stop: 40902, Start Num: 85

Candidate Starts for Kanely_63:

(Start: 84 @41180 has 30 MA's), (Start: 85 @41177 has 118 MA's), (Start: 92 @41165 has 4 MA's), (142, 41084), (148, 41069), (160, 41048), (171, 41018), (179, 40988),

Gene: Kanye_39 Start: 34121, Stop: 34366, Start Num: 122

Candidate Starts for Kanye_39:

(Start: 122 @34121 has 241 MA's), (141, 34178), (157, 34211), (160, 34217), (178, 34271), (182, 34283),

Gene: KashFlow_45 Start: 38241, Stop: 38489, Start Num: 122

Candidate Starts for KashFlow_45:

(Start: 122 @38241 has 241 MA's), (174, 38373),

Gene: KatherineG_64 Start: 37864, Stop: 37595, Start Num: 112

Candidate Starts for KatherineG_64:

(Start: 112 @37864 has 27 MA's), (182, 37687),

Gene: Kaylissa_33 Start: 24719, Stop: 24961, Start Num: 105

Candidate Starts for Kaylissa_33:

(Start: 105 @24719 has 27 MA's), (180, 24878),

Gene: KeAlii_33 Start: 24733, Stop: 24990, Start Num: 101

Candidate Starts for KeAlii_33:

(26, 24508), (Start: 101 @24733 has 4 MA's),

Gene: Kenmech_65 Start: 42818, Stop: 42549, Start Num: 84

Candidate Starts for Kenmech_65:

(Start: 84 @42818 has 30 MA's), (Start: 85 @42815 has 118 MA's), (Start: 92 @42803 has 4 MA's), (Start: 128 @42782 has 11 MA's), (142, 42731), (148, 42716), (160, 42695), (171, 42665), (179, 42635),

Gene: Keough_9 Start: 6092, Stop: 5736, Start Num: 115

Candidate Starts for Keough_9:

(Start: 115 @6092 has 53 MA's), (Start: 130 @6053 has 9 MA's), (134, 6038), (162, 5942), (189, 5834), (193, 5825), (208, 5786),

Gene: Kerberos_60 Start: 38268, Stop: 37996, Start Num: 86

Candidate Starts for Kerberos_60:

(Start: 86 @38268 has 127 MA's), (Start: 118 @38259 has 20 MA's), (156, 38166), (182, 38088), (208, 38034),

Gene: Kevin1_52 Start: 34949, Stop: 35200, Start Num: 116

Candidate Starts for Kevin1_52:

(31, 34775), (66, 34871), (Start: 116 @34949 has 37 MA's), (Start: 127 @34961 has 5 MA's), (157, 35045), (179, 35111), (180, 35114),

Gene: Keziacharles14_58 Start: 39366, Stop: 39094, Start Num: 86

Candidate Starts for Keziacharles14_58:

(Start: 86 @39366 has 127 MA's), (Start: 118 @39357 has 20 MA's), (139, 39300), (156, 39264), (171, 39222),

Gene: KiSi_71 Start: 44647, Stop: 44877, Start Num: 125

Candidate Starts for KiSi_71:

(Start: 125 @44647 has 175 MA's), (167, 44764), (177, 44782),

Gene: KikiBouba_61 Start: 40770, Stop: 40504, Start Num: 85

Candidate Starts for KikiBouba_61:

(Start: 84 @40773 has 30 MA's), (Start: 85 @40770 has 118 MA's), (Start: 92 @40758 has 4 MA's), (Start: 128 @40737 has 11 MA's), (142, 40686), (148, 40671), (160, 40650), (171, 40620), (179, 40590),

Gene: Kimba_57 Start: 37358, Stop: 37086, Start Num: 86

Candidate Starts for Kimba_57:

(Start: 86 @37358 has 127 MA's), (Start: 118 @37349 has 20 MA's), (182, 37178),

Gene: Kimchi_39 Start: 33128, Stop: 33373, Start Num: 122

Candidate Starts for Kimchi_39:

(Start: 122 @33128 has 241 MA's), (141, 33185), (157, 33218), (160, 33224), (178, 33278), (182, 33290),

Gene: Kimchi1738_51 Start: 43674, Stop: 43384, Start Num: 130

Candidate Starts for Kimchi1738_51:

(Start: 130 @43674 has 9 MA's), (145, 43611), (176, 43497), (179, 43485),

Gene: KingCyrus_60 Start: 40022, Stop: 39750, Start Num: 86

Candidate Starts for KingCyrus_60:

(Start: 86 @40022 has 127 MA's), (Start: 118 @40013 has 20 MA's), (Start: 127 @40001 has 5 MA's), (Start: 128 @39995 has 11 MA's), (173, 39872),

Gene: KingKamren_9 Start: 6124, Stop: 5798, Start Num: 115

Candidate Starts for KingKamren_9:

(Start: 115 @6124 has 53 MA's), (133, 6073), (176, 5905), (208, 5836),

Gene: Kingsolomon_31 Start: 28784, Stop: 29050, Start Num: 122

Candidate Starts for Kingsolomon_31:

(Start: 122 @28784 has 241 MA's), (Start: 128 @28796 has 11 MA's), (136, 28829),

Gene: Klein_52 Start: 43699, Stop: 43944, Start Num: 122

Candidate Starts for Klein_52:

(Start: 122 @43699 has 241 MA's), (142, 43762), (157, 43792), (158, 43795), (180, 43855), (182, 43858), (183, 43861),

Gene: KleverKiS_40 Start: 32760, Stop: 33020, Start Num: 117

Candidate Starts for KleverKiS_40:

(46, 32631), (Start: 104 @32742 has 14 MA's), (Start: 117 @32760 has 4 MA's), (142, 32823), (177, 32910), (179, 32919), (183, 32928),

Gene: Klodlith_57 Start: 37984, Stop: 37712, Start Num: 86

Candidate Starts for Klodlith_57:

(Start: 86 @37984 has 127 MA's), (139, 37918), (156, 37882), (178, 37816), (182, 37804), (187, 37795),

Gene: Koduck_59 Start: 37723, Stop: 37412, Start Num: 86

Candidate Starts for Koduck_59:

(8, 38146), (17, 37963), (24, 37924), (Start: 86 @37723 has 127 MA's), (Start: 111 @37684 has 18 MA's), (Start: 128 @37657 has 11 MA's), (173, 37534), (176, 37522),

Gene: Kosier_9 Start: 6342, Stop: 6010, Start Num: 115

Candidate Starts for Kosier_9:

(Start: 115 @6342 has 53 MA's), (Start: 130 @6303 has 9 MA's), (133, 6291), (138, 6273), (162, 6192), (192, 6087),

Gene: Kostya_38 Start: 33136, Stop: 33381, Start Num: 122

Candidate Starts for Kostya_38:

(Start: 122 @33136 has 241 MA's), (141, 33193), (157, 33226), (160, 33232), (178, 33286), (182, 33298),

Gene: Kratio_58 Start: 40509, Stop: 40757, Start Num: 125

Candidate Starts for Kratio_58:

(Start: 125 @40509 has 175 MA's), (172, 40641), (180, 40671), (201, 40704),

Gene: Kropertea_30 Start: 27482, Stop: 27745, Start Num: 122

Candidate Starts for Kropertea_30:

(Start: 122 @27482 has 241 MA's), (136, 27527), (182, 27641),

Gene: Krypton555_31 Start: 28682, Stop: 28948, Start Num: 122

Candidate Starts for Krypton555_31:

(Start: 96 @28643 has 2 MA's), (Start: 122 @28682 has 241 MA's), (Start: 128 @28694 has 11 MA's), (136, 28727), (157, 28775),

Gene: Kudefre_114 Start: 63016, Stop: 63252, Start Num: 115

Candidate Starts for Kudefre_114:

(Start: 115 @63016 has 53 MA's), (Start: 128 @63031 has 11 MA's), (136, 63061), (157, 63109), (171, 63145), (200, 63220),

Gene: Kugel_64 Start: 42232, Stop: 41954, Start Num: 84

Candidate Starts for Kugel_64:

(Start: 84 @42232 has 30 MA's), (Start: 85 @42229 has 118 MA's), (Start: 92 @42217 has 4 MA's), (Start: 128 @42187 has 11 MA's), (142, 42136), (148, 42121), (160, 42100), (171, 42070), (179, 42040), (212, 41965),

Gene: Kumao_40 Start: 35332, Stop: 35592, Start Num: 110

Candidate Starts for Kumao_40:

(Start: 110 @35332 has 1 MA's), (Start: 117 @35341 has 4 MA's), (138, 35392), (160, 35440), (171, 35470), (174, 35479), (179, 35500), (180, 35503), (182, 35506),

Gene: KyMonks1A_65 Start: 41158, Stop: 40901, Start Num: 94

Candidate Starts for KyMonks1A_65:

(Start: 94 @41158 has 10 MA's), (Start: 127 @41140 has 5 MA's), (Start: 128 @41134 has 11 MA's), (142, 41083), (148, 41068), (160, 41047), (171, 41017), (179, 40987), (212, 40912),

Gene: L5_56 Start: 37810, Stop: 37499, Start Num: 86

Candidate Starts for L5_56:

(8, 38233), (17, 38050), (24, 38011), (Start: 86 @37810 has 127 MA's), (Start: 111 @37771 has 18 MA's), (Start: 128 @37744 has 11 MA's), (173, 37621), (176, 37609),

Gene: LadyAstra_41 Start: 26498, Stop: 26785, Start Num: 98

Candidate Starts for LadyAstra_41:

(Start: 98 @26498 has 6 MA's),

Gene: Lamina13_66 Start: 42549, Stop: 42280, Start Num: 84

Candidate Starts for Lamina13_66:

(Start: 84 @42549 has 30 MA's), (Start: 85 @42546 has 118 MA's), (Start: 92 @42534 has 4 MA's), (Start: 128 @42513 has 11 MA's), (142, 42462), (148, 42447), (160, 42426), (171, 42396), (179, 42366), (212, 42291),

Gene: Larenn_57 Start: 38431, Stop: 38159, Start Num: 86

Candidate Starts for Larenn_57:

(Start: 86 @38431 has 127 MA's), (Start: 128 @38404 has 11 MA's), (138, 38368), (157, 38326), (173, 38281), (182, 38251), (187, 38242),

Gene: Larva_61 Start: 41955, Stop: 42203, Start Num: 125

Candidate Starts for Larva_61:

(Start: 125 @41955 has 175 MA's), (148, 42030), (177, 42102),

Gene: LastHope_71 Start: 43062, Stop: 43310, Start Num: 125

Candidate Starts for LastHope_71:

(Start: 125 @43062 has 175 MA's), (157, 43152), (195, 43248), (205, 43272),

Gene: LastNadiia_6 Start: 3336, Stop: 3599, Start Num: 114

Candidate Starts for LastNadiia_6:

(Start: 114 @3336 has 2 MA's), (152, 3429), (199, 3522),

Gene: LastResort_62 Start: 37443, Stop: 37174, Start Num: 112

Candidate Starts for LastResort_62:

(10, 37887), (11, 37863), (15, 37785), (Start: 112 @37443 has 27 MA's), (182, 37266),

Gene: LaterM_67 Start: 44313, Stop: 44555, Start Num: 125

Candidate Starts for LaterM_67:

(Start: 125 @44313 has 175 MA's), (157, 44403), (195, 44499), (205, 44523),

Gene: Laure_112 Start: 79855, Stop: 80103, Start Num: 125

Candidate Starts for Laure_112:

(Start: 125 @79855 has 175 MA's), (Start: 127 @79858 has 5 MA's), (176, 79996), (179, 80008),

Gene: Lavahound_64 Start: 44702, Stop: 44944, Start Num: 125

Candidate Starts for Lavahound_64:

(71, 44633), (Start: 125 @44702 has 175 MA's), (Start: 128 @44711 has 11 MA's), (142, 44762), (157, 44792), (195, 44888), (205, 44912),

Gene: LeMond_70 Start: 44281, Stop: 44508, Start Num: 125

Candidate Starts for LeMond_70:

(Start: 125 @44281 has 175 MA's), (167, 44398), (177, 44416), (195, 44452),

Gene: Lea83_68 Start: 44132, Stop: 44374, Start Num: 120

Candidate Starts for Lea83_68:

(Start: 120 @44132 has 24 MA's), (134, 44165), (157, 44222), (177, 44282), (180, 44294),

Gene: LeeroyJenkins_54 Start: 34043, Stop: 34282, Start Num: 127

Candidate Starts for LeeroyJenkins_54:

(Start: 127 @34043 has 5 MA's), (142, 34100), (156, 34127), (160, 34136),

Gene: Lego_33 Start: 24673, Stop: 24915, Start Num: 105

Candidate Starts for Lego_33:

(Start: 105 @24673 has 27 MA's),

Gene: LeoJr_107 Start: 87292, Stop: 87555, Start Num: 122

Candidate Starts for LeoJr_107:

(Start: 122 @87292 has 241 MA's), (203, 87481),

Gene: Lesedi_58 Start: 39515, Stop: 39249, Start Num: 85

Candidate Starts for Lesedi_58:

(Start: 85 @39515 has 118 MA's), (Start: 92 @39503 has 4 MA's), (Start: 128 @39482 has 11 MA's), (142, 39431), (148, 39416), (160, 39395), (171, 39365), (179, 39335), (212, 39260),

Gene: Leston_60 Start: 42561, Stop: 42809, Start Num: 125

Candidate Starts for Leston_60:

(Start: 125 @42561 has 175 MA's), (148, 42636), (177, 42708),

Gene: Levia_60 Start: 40538, Stop: 40263, Start Num: 85

Candidate Starts for Levia_60:

(Start: 84 @40541 has 30 MA's), (Start: 85 @40538 has 118 MA's), (Start: 92 @40526 has 4 MA's), (Start: 128 @40496 has 11 MA's), (148, 40430), (160, 40409), (171, 40379), (179, 40349),

Gene: Leviathan_60 Start: 38898, Stop: 38626, Start Num: 86

Candidate Starts for Leviathan_60:

(Start: 86 @38898 has 127 MA's), (Start: 118 @38889 has 20 MA's), (Start: 127 @38877 has 5 MA's), (Start: 128 @38871 has 11 MA's), (173, 38748),

Gene: Licorice_63 Start: 42655, Stop: 42389, Start Num: 85

Candidate Starts for Licorice_63:

(Start: 84 @42658 has 30 MA's), (Start: 85 @42655 has 118 MA's), (Start: 92 @42643 has 4 MA's), (Start: 128 @42622 has 11 MA's), (142, 42571), (148, 42556), (160, 42535), (171, 42505), (179, 42475),

Gene: Lifes_48 Start: 30666, Stop: 30905, Start Num: 127

Candidate Starts for Lifes_48:

(55, 30549), (65, 30567), (Start: 127 @30666 has 5 MA's), (142, 30723), (160, 30759),

Gene: LilBib_62 Start: 42639, Stop: 42373, Start Num: 85

Candidate Starts for LilBib_62:

(Start: 84 @42642 has 30 MA's), (Start: 85 @42639 has 118 MA's), (Start: 92 @42627 has 4 MA's), (Start: 128 @42606 has 11 MA's), (142, 42555), (148, 42540), (160, 42519), (171, 42489), (179, 42459),

Gene: LilDestine_32 Start: 28421, Stop: 28687, Start Num: 122

Candidate Starts for LilDestine_32:

(Start: 122 @28421 has 241 MA's), (131, 28445), (136, 28466), (158, 28517), (183, 28583), (212, 28655), (221, 28676),

Gene: LilDirt_59 Start: 40531, Stop: 40779, Start Num: 125

Candidate Starts for LilDirt_59:

(Start: 125 @40531 has 175 MA's), (172, 40663), (180, 40693), (201, 40726),

Gene: LilJank_109 Start: 65278, Stop: 65520, Start Num: 115

Candidate Starts for LilJank_109:

(80, 65218), (Start: 115 @65278 has 53 MA's), (155, 65371), (156, 65374), (157, 65377), (171, 65413), (179, 65443), (200, 65488),

Gene: LilPharaoh_56 Start: 40669, Stop: 40914, Start Num: 125

Candidate Starts for LilPharaoh_56:

(69, 40597), (Start: 125 @40669 has 175 MA's), (165, 40774), (177, 40816), (195, 40852),

Gene: LilTurb_59 Start: 38722, Stop: 38450, Start Num: 86

Candidate Starts for LilTurb_59:

(Start: 86 @38722 has 127 MA's), (Start: 118 @38713 has 20 MA's), (Start: 127 @38701 has 5 MA's), (Start: 128 @38695 has 11 MA's), (173, 38572),

Gene: Lilac_39 Start: 32632, Stop: 32877, Start Num: 122

Candidate Starts for Lilac_39:

(Start: 122 @32632 has 241 MA's), (141, 32689), (157, 32722), (160, 32728), (178, 32782), (182, 32794),

Gene: LilhomieP_38 Start: 32762, Stop: 33040, Start Num: 104

Candidate Starts for LilhomieP_38:

(46, 32651), (Start: 104 @32762 has 14 MA's), (Start: 117 @32780 has 4 MA's), (142, 32843), (177, 32930), (179, 32939), (183, 32948),

Gene: Lilizi_39 Start: 32840, Stop: 33085, Start Num: 122

Candidate Starts for Lilizi_39:

(Start: 122 @32840 has 241 MA's), (141, 32897), (157, 32930), (160, 32936), (178, 32990), (182, 33002),

Gene: Lilleskat_56 Start: 38227, Stop: 37955, Start Num: 86

Candidate Starts for Lilleskat_56:

(Start: 86 @38227 has 127 MA's), (Start: 118 @38218 has 20 MA's), (139, 38161), (156, 38125), (170, 38086), (178, 38059), (182, 38047),

Gene: Lilpickle_36 Start: 32342, Stop: 32587, Start Num: 122

Candidate Starts for Lilpickle_36:

(Start: 122 @32342 has 241 MA's), (141, 32399), (157, 32432), (160, 32438), (178, 32492), (182, 32504),

Gene: LilyLou_9 Start: 6368, Stop: 6045, Start Num: 115

Candidate Starts for LilyLou_9:

(Start: 115 @6368 has 53 MA's), (133, 6317), (143, 6272), (149, 6254), (176, 6149), (203, 6098),

Gene: LindNT_66 Start: 44110, Stop: 44352, Start Num: 125
Candidate Starts for LindNT_66:
(Start: 125 @44110 has 175 MA's), (157, 44200), (195, 44296),

Gene: LionsBait_60 Start: 39877, Stop: 39605, Start Num: 86
Candidate Starts for LionsBait_60:
(8, 40300), (9, 40291), (17, 40117), (24, 40078), (Start: 86 @39877 has 127 MA's), (Start: 127 @39856 has 5 MA's), (Start: 128 @39850 has 11 MA's), (173, 39727), (182, 39697),

Gene: LittleE_56 Start: 43957, Stop: 44196, Start Num: 128
Candidate Starts for LittleE_56:
(Start: 128 @43957 has 11 MA's), (135, 43984), (157, 44038), (158, 44041), (179, 44098), (195, 44134),

Gene: Liveloughbron_38 Start: 33249, Stop: 33494, Start Num: 122
Candidate Starts for Liveloughbron_38:
(Start: 122 @33249 has 241 MA's), (141, 33306), (157, 33339), (160, 33345), (178, 33399), (182, 33411),

Gene: LiyuLake_31 Start: 28737, Stop: 29003, Start Num: 122
Candidate Starts for LiyuLake_31:
(Start: 122 @28737 has 241 MA's), (Start: 128 @28749 has 11 MA's), (136, 28782), (157, 28830),

Gene: Lizalica_32 Start: 24547, Stop: 24813, Start Num: 105
Candidate Starts for Lizalica_32:
(Start: 105 @24547 has 27 MA's), (180, 24730),

Gene: Llorens_66 Start: 43622, Stop: 43864, Start Num: 125
Candidate Starts for Llorens_66:
(Start: 125 @43622 has 175 MA's), (157, 43712), (195, 43808), (205, 43832),

Gene: Loadrie_32 Start: 28454, Stop: 28720, Start Num: 122
Candidate Starts for Loadrie_32:
(Start: 122 @28454 has 241 MA's), (136, 28499), (158, 28550), (183, 28616), (212, 28688), (221, 28709),

Gene: Lockley_59 Start: 40855, Stop: 40580, Start Num: 85
Candidate Starts for Lockley_59:
(Start: 85 @40855 has 118 MA's), (Start: 92 @40843 has 4 MA's), (Start: 128 @40813 has 11 MA's), (142, 40762), (148, 40747), (160, 40726), (170, 40699), (171, 40696), (179, 40666), (212, 40591),

Gene: LogiBear_62 Start: 37598, Stop: 37332, Start Num: 86
Candidate Starts for LogiBear_62:
(Start: 86 @37598 has 127 MA's), (178, 37430), (182, 37418),

Gene: Lokk_55 Start: 37800, Stop: 37528, Start Num: 86
Candidate Starts for Lokk_55:
(Start: 86 @37800 has 127 MA's), (Start: 128 @37773 has 11 MA's), (173, 37650), (182, 37620),

Gene: Lolly9_31 Start: 28548, Stop: 28814, Start Num: 122
Candidate Starts for Lolly9_31:
(Start: 122 @28548 has 241 MA's), (Start: 128 @28560 has 11 MA's), (136, 28593),

Gene: London_34 Start: 26623, Stop: 26880, Start Num: 121
Candidate Starts for London_34:
(18, 26386), (20, 26395), (Start: 121 @26623 has 23 MA's), (137, 26671), (182, 26788),

Gene: LoneWolf_59 Start: 38258, Stop: 37986, Start Num: 86
Candidate Starts for LoneWolf_59:
(Start: 86 @38258 has 127 MA's), (Start: 118 @38249 has 20 MA's), (139, 38192), (156, 38156), (173, 38108), (182, 38078),

Gene: Looper_63 Start: 37355, Stop: 37086, Start Num: 112
Candidate Starts for Looper_63:
(10, 37799), (11, 37775), (15, 37697), (Start: 112 @37355 has 27 MA's), (182, 37178),

Gene: Lopton_60 Start: 42624, Stop: 42370, Start Num: 92
Candidate Starts for Lopton_60:
(Start: 83 @42636 has 6 MA's), (Start: 92 @42624 has 4 MA's), (Start: 128 @42603 has 11 MA's), (142, 42552), (148, 42537), (160, 42516), (171, 42486), (179, 42456),

Gene: Lozinak_125 Start: 71628, Stop: 71921, Start Num: 111
Candidate Starts for Lozinak_125:
(Start: 111 @71628 has 18 MA's), (134, 71676), (179, 71805),

Gene: Lucivia_58 Start: 37835, Stop: 37563, Start Num: 86
Candidate Starts for Lucivia_58:
(Start: 86 @37835 has 127 MA's), (Start: 118 @37826 has 20 MA's), (182, 37655),

Gene: Lucky2013_51 Start: 40948, Stop: 41187, Start Num: 128
Candidate Starts for Lucky2013_51:
(Start: 128 @40948 has 11 MA's), (135, 40975), (157, 41029), (158, 41032), (179, 41089), (195, 41125),

Gene: Lucyedi_59 Start: 38336, Stop: 38067, Start Num: 113
Candidate Starts for Lucyedi_59:
(51, 38408), (Start: 86 @38339 has 127 MA's), (Start: 113 @38336 has 23 MA's), (Start: 118 @38330 has 20 MA's), (156, 38237), (171, 38195), (173, 38189), (182, 38159),

Gene: Lumos_31 Start: 28781, Stop: 29047, Start Num: 122
Candidate Starts for Lumos_31:
(Start: 122 @28781 has 241 MA's), (Start: 128 @28793 has 11 MA's), (136, 28826),

Gene: Lunahalos_66 Start: 43622, Stop: 43864, Start Num: 125
Candidate Starts for Lunahalos_66:
(Start: 125 @43622 has 175 MA's), (157, 43712), (195, 43808), (205, 43832),

Gene: LunarLander_62 Start: 41834, Stop: 41568, Start Num: 85
Candidate Starts for LunarLander_62:
(Start: 84 @41837 has 30 MA's), (Start: 85 @41834 has 118 MA's), (Start: 92 @41822 has 4 MA's), (Start: 128 @41801 has 11 MA's), (142, 41750), (148, 41735), (160, 41714), (171, 41684), (179, 41654),

Gene: MISSy_36 Start: 32648, Stop: 32893, Start Num: 122
Candidate Starts for MISSy_36:

(Start: 122 @32648 has 241 MA's), (141, 32705), (157, 32738), (160, 32744), (178, 32798), (182, 32810),

Gene: MPhalcon_36 Start: 32641, Stop: 32886, Start Num: 122

Candidate Starts for MPhalcon_36:

(Start: 122 @32641 has 241 MA's), (141, 32698), (157, 32731), (160, 32737), (178, 32791), (182, 32803),

Gene: MaCh_58 Start: 37765, Stop: 37493, Start Num: 86

Candidate Starts for MaCh_58:

(Start: 86 @37765 has 127 MA's), (Start: 118 @37756 has 20 MA's), (173, 37615),

Gene: MaGuCo_34 Start: 25599, Stop: 25841, Start Num: 122

Candidate Starts for MaGuCo_34:

(Start: 122 @25599 has 241 MA's), (139, 25650), (180, 25758),

Gene: Mabel_57 Start: 37367, Stop: 37095, Start Num: 86

Candidate Starts for Mabel_57:

(Start: 86 @37367 has 127 MA's), (Start: 118 @37358 has 20 MA's), (182, 37187),

Gene: Mabodamaca_42 Start: 28268, Stop: 28534, Start Num: 118

Candidate Starts for Mabodamaca_42:

(Start: 118 @28268 has 20 MA's), (137, 28322), (178, 28436),

Gene: MacKat_62 Start: 39405, Stop: 39647, Start Num: 125

Candidate Starts for MacKat_62:

(Start: 125 @39405 has 175 MA's), (157, 39495), (195, 39591), (205, 39615),

Gene: MacnCheese_70 Start: 44725, Stop: 44967, Start Num: 120

Candidate Starts for MacnCheese_70:

(Start: 120 @44725 has 24 MA's), (134, 44758), (157, 44815), (180, 44887), (195, 44911),

Gene: MadamMonkfish_37 Start: 32553, Stop: 32798, Start Num: 122

Candidate Starts for MadamMonkfish_37:

(Start: 122 @32553 has 241 MA's), (141, 32610), (157, 32643), (160, 32649), (178, 32703), (182, 32715),

Gene: Magnar_60 Start: 41031, Stop: 40774, Start Num: 94

Candidate Starts for Magnar_60:

(Start: 94 @41031 has 10 MA's), (Start: 127 @41013 has 5 MA's), (Start: 128 @41007 has 11 MA's), (142, 40956), (148, 40941), (160, 40920), (171, 40890), (179, 40860), (212, 40785),

Gene: Magnito_60 Start: 40895, Stop: 40638, Start Num: 94

Candidate Starts for Magnito_60:

(Start: 94 @40895 has 10 MA's), (Start: 127 @40877 has 5 MA's), (Start: 128 @40871 has 11 MA's), (142, 40820), (148, 40805), (160, 40784), (167, 40763), (171, 40754), (179, 40724),

Gene: Magsby_50 Start: 34922, Stop: 35170, Start Num: 116

Candidate Starts for Magsby_50:

(12, 34508), (28, 34715), (31, 34748), (66, 34844), (Start: 116 @34922 has 37 MA's), (Start: 127 @34934 has 5 MA's), (Start: 128 @34940 has 11 MA's), (157, 35018), (179, 35084), (180, 35087),

Gene: MajorMajor_57 Start: 37421, Stop: 37149, Start Num: 86

Candidate Starts for MajorMajor_57:

(Start: 86 @37421 has 127 MA's), (Start: 127 @37400 has 5 MA's), (Start: 128 @37394 has 11 MA's), (173, 37271), (176, 37259),

Gene: Makemake_64 Start: 42602, Stop: 42336, Start Num: 83

Candidate Starts for Makemake_64:

(Start: 83 @42602 has 6 MA's), (Start: 92 @42590 has 4 MA's), (Start: 128 @42569 has 11 MA's), (142, 42518), (148, 42503), (160, 42482), (171, 42452), (179, 42422), (212, 42347),

Gene: Makima_4 Start: 2462, Stop: 2728, Start Num: 114

Candidate Starts for Makima_4:

(Start: 114 @2462 has 2 MA's), (176, 2612), (218, 2687),

Gene: Malec_58 Start: 38998, Stop: 38726, Start Num: 86

Candidate Starts for Malec_58:

(Start: 86 @38998 has 127 MA's), (Start: 128 @38971 has 11 MA's), (138, 38935), (157, 38893), (173, 38848), (182, 38818), (187, 38809),

Gene: Maminiaina_57 Start: 38227, Stop: 37955, Start Num: 86

Candidate Starts for Maminiaina_57:

(Start: 86 @38227 has 127 MA's), (Start: 118 @38218 has 20 MA's), (139, 38161), (156, 38125), (182, 38047),

Gene: Manatee_62 Start: 40921, Stop: 40652, Start Num: 84

Candidate Starts for Manatee_62:

(Start: 84 @40921 has 30 MA's), (Start: 85 @40918 has 118 MA's), (Start: 92 @40906 has 4 MA's), (Start: 127 @40891 has 5 MA's), (Start: 128 @40885 has 11 MA's), (142, 40834), (148, 40819), (160, 40798), (171, 40768), (179, 40738),

Gene: Manda_38 Start: 33620, Stop: 33865, Start Num: 122

Candidate Starts for Manda_38:

(Start: 122 @33620 has 241 MA's), (141, 33677), (157, 33710), (160, 33716), (178, 33770), (182, 33782),

Gene: Marcell_58 Start: 39784, Stop: 39509, Start Num: 85

Candidate Starts for Marcell_58:

(75, 39808), (Start: 84 @39787 has 30 MA's), (Start: 85 @39784 has 118 MA's), (Start: 92 @39772 has 4 MA's), (Start: 128 @39742 has 11 MA's), (142, 39691), (148, 39676), (160, 39655), (171, 39625), (179, 39595),

Gene: Marchy_56 Start: 37872, Stop: 37597, Start Num: 85

Candidate Starts for Marchy_56:

(Start: 84 @37875 has 30 MA's), (Start: 85 @37872 has 118 MA's), (Start: 92 @37860 has 4 MA's), (Start: 128 @37830 has 11 MA's), (142, 37779), (148, 37764), (160, 37743), (167, 37722), (171, 37713), (179, 37683),

Gene: Marco3_65 Start: 42801, Stop: 42535, Start Num: 85

Candidate Starts for Marco3_65:

(Start: 84 @42804 has 30 MA's), (Start: 85 @42801 has 118 MA's), (Start: 92 @42789 has 4 MA's), (Start: 105 @42774 has 27 MA's), (Start: 128 @42768 has 11 MA's), (142, 42717), (148, 42702), (160, 42681), (171, 42651), (179, 42621), (212, 42546),

Gene: Marcoliusprime_69 Start: 46092, Stop: 46337, Start Num: 125

Candidate Starts for Marcoliusprime_69:

(72, 46035), (76, 46041), (Start: 125 @46092 has 175 MA's), (157, 46182), (171, 46218), (180, 46251),

Gene: Marge_59 Start: 40664, Stop: 40398, Start Num: 85

Candidate Starts for Marge_59:

(Start: 84 @40667 has 30 MA's), (Start: 85 @40664 has 118 MA's), (Start: 92 @40652 has 4 MA's), (Start: 128 @40631 has 11 MA's), (142, 40580), (148, 40565), (160, 40544), (171, 40514), (179, 40484),

Gene: MarkPhew_69 Start: 43780, Stop: 44007, Start Num: 125

Candidate Starts for MarkPhew_69:

(Start: 125 @43780 has 175 MA's), (167, 43897), (176, 43912), (177, 43915), (195, 43951),

Gene: Maroc7_59 Start: 41311, Stop: 41042, Start Num: 84

Candidate Starts for Maroc7_59:

(75, 41332), (Start: 84 @41311 has 30 MA's), (Start: 85 @41308 has 118 MA's), (Start: 92 @41296 has 4 MA's), (Start: 128 @41275 has 11 MA's), (142, 41224), (148, 41209), (160, 41188), (171, 41158), (179, 41128),

Gene: Marsha_61 Start: 42250, Stop: 41984, Start Num: 85

Candidate Starts for Marsha_61:

(Start: 84 @42253 has 30 MA's), (Start: 85 @42250 has 118 MA's), (Start: 128 @42217 has 11 MA's), (142, 42166), (148, 42151), (160, 42130), (167, 42109), (171, 42100), (179, 42070),

Gene: Marshawn_66 Start: 44145, Stop: 44384, Start Num: 125

Candidate Starts for Marshawn_66:

(Start: 125 @44145 has 175 MA's), (157, 44235),

Gene: Marshmallow_37 Start: 33133, Stop: 33378, Start Num: 122

Candidate Starts for Marshmallow_37:

(Start: 122 @33133 has 241 MA's), (141, 33190), (157, 33223), (160, 33229), (178, 33283), (182, 33295),

Gene: MaryBeth_60 Start: 41488, Stop: 41222, Start Num: 85

Candidate Starts for MaryBeth_60:

(Start: 84 @41491 has 30 MA's), (Start: 85 @41488 has 118 MA's), (Start: 92 @41476 has 4 MA's), (Start: 128 @41455 has 11 MA's), (142, 41404), (148, 41389), (160, 41368), (171, 41338), (179, 41308), (212, 41233),

Gene: MaryV_53 Start: 39346, Stop: 39594, Start Num: 122

Candidate Starts for MaryV_53:

(Start: 122 @39346 has 241 MA's), (154, 39427), (171, 39475), (180, 39508), (182, 39511), (183, 39514), (195, 39547), (208, 39583),

Gene: Maureen_36 Start: 26752, Stop: 26994, Start Num: 122

Candidate Starts for Maureen_36:

(Start: 122 @26752 has 241 MA's), (139, 26803), (180, 26911),

Gene: Maxxinista_38 Start: 32602, Stop: 32847, Start Num: 122

Candidate Starts for Maxxinista_38:

(Start: 122 @32602 has 241 MA's), (141, 32659), (157, 32692), (160, 32698), (178, 32752), (182, 32764),

Gene: Mazun_9 Start: 6131, Stop: 5775, Start Num: 115

Candidate Starts for Mazun_9:

(Start: 115 @6131 has 53 MA's), (Start: 130 @6092 has 9 MA's), (134, 6077), (162, 5981), (193, 5864), (208, 5825),

Gene: Mbo4_60 Start: 42893, Stop: 43174, Start Num: 121

Candidate Starts for Mbo4_60:

(5, 42125), (Start: 121 @42893 has 23 MA's), (134, 42926),

Gene: McMater_69 Start: 44123, Stop: 44362, Start Num: 124

Candidate Starts for McMater_69:

(Start: 124 @44123 has 6 MA's), (157, 44213), (170, 44249), (176, 44267), (205, 44330),

Gene: McSinger_60 Start: 40407, Stop: 40132, Start Num: 85

Candidate Starts for McSinger_60:

(Start: 84 @40410 has 30 MA's), (Start: 85 @40407 has 118 MA's), (Start: 92 @40395 has 4 MA's), (142, 40314), (148, 40299), (160, 40278), (171, 40248), (179, 40218),

Gene: Mdavu_56 Start: 40930, Stop: 41175, Start Num: 125

Candidate Starts for Mdavu_56:

(69, 40858), (Start: 125 @40930 has 175 MA's), (165, 41035), (177, 41077), (195, 41113),

Gene: MeaningOfLife_67 Start: 44374, Stop: 44616, Start Num: 125

Candidate Starts for MeaningOfLife_67:

(Start: 125 @44374 has 175 MA's), (157, 44464), (195, 44560), (205, 44584),

Gene: MegTheThird_57 Start: 38030, Stop: 37758, Start Num: 86

Candidate Starts for MegTheThird_57:

(Start: 86 @38030 has 127 MA's), (Start: 118 @38021 has 20 MA's), (156, 37928), (173, 37880), (178, 37862),

Gene: Megsy_69 Start: 44032, Stop: 44277, Start Num: 125

Candidate Starts for Megsy_69:

(Start: 125 @44032 has 175 MA's), (157, 44122), (195, 44218), (215, 44269),

Gene: Melville_53 Start: 34906, Stop: 35154, Start Num: 116

Candidate Starts for Melville_53:

(12, 34492), (28, 34699), (31, 34732), (66, 34828), (Start: 116 @34906 has 37 MA's), (Start: 127 @34918 has 5 MA's), (Start: 128 @34924 has 11 MA's), (157, 35002), (179, 35068), (180, 35071),

Gene: MetalQZJ_59 Start: 41488, Stop: 41222, Start Num: 85

Candidate Starts for MetalQZJ_59:

(Start: 84 @41491 has 30 MA's), (Start: 85 @41488 has 118 MA's), (Start: 92 @41476 has 4 MA's), (Start: 128 @41455 has 11 MA's), (142, 41404), (148, 41389), (160, 41368), (171, 41338), (179, 41308), (212, 41233),

Gene: MiaZeal_51 Start: 40623, Stop: 40862, Start Num: 128

Candidate Starts for MiaZeal_51:

(Start: 128 @40623 has 11 MA's), (135, 40650), (157, 40704), (158, 40707), (179, 40764), (195, 40800),

Gene: MiamiPanther_9 Start: 6219, Stop: 5899, Start Num: 115

Candidate Starts for MiamiPanther_9:

(Start: 115 @6219 has 53 MA's), (133, 6168), (134, 6165), (176, 6000), (208, 5931),

Gene: Michkear_34 Start: 25612, Stop: 25884, Start Num: 121

Candidate Starts for Michkear_34:

(Start: 121 @25612 has 23 MA's), (182, 25789), (207, 25837),

Gene: Michley_65 Start: 41769, Stop: 41494, Start Num: 85

Candidate Starts for Michley_65:

(Start: 85 @41769 has 118 MA's), (Start: 92 @41757 has 4 MA's), (142, 41676), (148, 41661), (160, 41640), (171, 41610), (179, 41580), (212, 41505),

Gene: Miko_55 Start: 38578, Stop: 38306, Start Num: 86

Candidate Starts for Miko_55:

(24, 38779), (Start: 86 @38578 has 127 MA's), (Start: 128 @38551 has 11 MA's), (173, 38428), (182, 38398),

Gene: Miley16_32 Start: 28422, Stop: 28688, Start Num: 122

Candidate Starts for Miley16_32:

(Start: 122 @28422 has 241 MA's), (136, 28467), (158, 28518), (183, 28584), (212, 28656), (221, 28677),

Gene: MilleFeuille_63 Start: 40825, Stop: 40574, Start Num: 103

Candidate Starts for MilleFeuille_63:

(45, 40930), (Start: 85 @40849 has 118 MA's), (Start: 103 @40825 has 5 MA's), (142, 40756), (148, 40741), (160, 40720), (167, 40699), (171, 40690), (179, 40660), (212, 40585),

Gene: Milly_69 Start: 46066, Stop: 46311, Start Num: 125

Candidate Starts for Milly_69:

(69, 46003), (Start: 125 @46066 has 175 MA's), (157, 46156), (180, 46225),

Gene: Mimi_108 Start: 86487, Stop: 86735, Start Num: 122

Candidate Starts for Mimi_108:

(Start: 122 @86487 has 241 MA's), (Start: 127 @86493 has 5 MA's), (Start: 128 @86499 has 11 MA's),

Gene: Mindy_37 Start: 32913, Stop: 33158, Start Num: 122

Candidate Starts for Mindy_37:

(Start: 122 @32913 has 241 MA's), (141, 32970), (157, 33003), (160, 33009), (176, 33057), (178, 33063), (182, 33075),

Gene: MinecraftSteve_64 Start: 37679, Stop: 37410, Start Num: 112

Candidate Starts for MinecraftSteve_64:

(Start: 112 @37679 has 27 MA's), (182, 37502),

Gene: Minerva_58 Start: 45548, Stop: 45796, Start Num: 122

Candidate Starts for Minerva_58:

(Start: 122 @45548 has 241 MA's), (174, 45680),

Gene: MiniLon_31 Start: 28548, Stop: 28814, Start Num: 122

Candidate Starts for MiniLon_31:

(Start: 122 @28548 has 241 MA's), (Start: 128 @28560 has 11 MA's), (136, 28593),

Gene: MiniMac_31 Start: 28549, Stop: 28815, Start Num: 122

Candidate Starts for MiniMac_31:
(Start: 122 @28549 has 241 MA's), (Start: 128 @28561 has 11 MA's), (136, 28594),

Gene: MiniMommy_40 Start: 26464, Stop: 26751, Start Num: 98
Candidate Starts for MiniMommy_40:
(Start: 98 @26464 has 6 MA's), (182, 26656),

Gene: Minispark_57 Start: 37983, Stop: 37711, Start Num: 86
Candidate Starts for Minispark_57:
(Start: 86 @37983 has 127 MA's), (Start: 118 @37974 has 20 MA's), (139, 37917), (156, 37881), (173, 37833),

Gene: Miniwave_37 Start: 33332, Stop: 33577, Start Num: 122
Candidate Starts for Miniwave_37:
(Start: 122 @33332 has 241 MA's), (141, 33389), (157, 33422), (160, 33428), (178, 33482), (182, 33494),

Gene: Mireles_3 Start: 895, Stop: 1137, Start Num: 117
Candidate Starts for Mireles_3:
(Start: 117 @895 has 4 MA's),

Gene: Miryou_64 Start: 45175, Stop: 45423, Start Num: 125
Candidate Starts for Miryou_64:
(Start: 125 @45175 has 175 MA's), (144, 45238),

Gene: Misfit_37 Start: 33222, Stop: 33467, Start Num: 122
Candidate Starts for Misfit_37:
(Start: 122 @33222 has 241 MA's), (141, 33279), (157, 33312), (160, 33318), (178, 33372), (182, 33384),

Gene: Miskis_120 Start: 71060, Stop: 71353, Start Num: 111
Candidate Starts for Miskis_120:
(Start: 111 @71060 has 18 MA's), (134, 71108), (179, 71237),

Gene: MissAmericana_7 Start: 5312, Stop: 5025, Start Num: 121
Candidate Starts for MissAmericana_7:
(Start: 121 @5312 has 23 MA's), (174, 5159), (205, 5072),

Gene: MissDaisy_67 Start: 42299, Stop: 42547, Start Num: 126
Candidate Starts for MissDaisy_67:
(30, 42101), (Start: 112 @42284 has 27 MA's), (Start: 126 @42299 has 1 MA's), (157, 42386), (191, 42482), (214, 42536),

Gene: MissSwiss_32 Start: 23153, Stop: 23398, Start Num: 122
Candidate Starts for MissSwiss_32:
(Start: 122 @23153 has 241 MA's), (137, 23198), (180, 23312),

Gene: MissWhite_57 Start: 36925, Stop: 36653, Start Num: 86
Candidate Starts for MissWhite_57:
(Start: 86 @36925 has 127 MA's), (Start: 118 @36916 has 20 MA's), (Start: 128 @36898 has 11 MA's), (182, 36745),

Gene: MkaliMitinis3_32 Start: 28422, Stop: 28688, Start Num: 122

Candidate Starts for MkaliMitinis3_32:

(Start: 122 @28422 has 241 MA's), (136, 28467), (158, 28518), (183, 28584), (212, 28656), (221, 28677),

Gene: Mkhuseleli_58 Start: 39493, Stop: 39260, Start Num: 128

Candidate Starts for Mkhuseleli_58:

(Start: 84 @39529 has 30 MA's), (Start: 85 @39526 has 118 MA's), (Start: 92 @39514 has 4 MA's), (Start: 128 @39493 has 11 MA's), (142, 39442), (148, 39427), (160, 39406), (171, 39376), (179, 39346),

Gene: Moldemort_38 Start: 32877, Stop: 33122, Start Num: 122

Candidate Starts for Moldemort_38:

(Start: 122 @32877 has 241 MA's), (141, 32934), (157, 32967), (160, 32973), (178, 33027), (182, 33039),

Gene: Moleficient_9 Start: 6125, Stop: 5769, Start Num: 115

Candidate Starts for Moleficient_9:

(Start: 115 @6125 has 53 MA's), (Start: 130 @6086 has 9 MA's), (134, 6071), (162, 5975), (189, 5867), (193, 5858), (208, 5819),

Gene: MollyToe_37 Start: 33306, Stop: 33551, Start Num: 122

Candidate Starts for MollyToe_37:

(Start: 122 @33306 has 241 MA's), (141, 33363), (157, 33396), (160, 33402), (178, 33456), (182, 33468),

Gene: Mollymur_85 Start: 58104, Stop: 57838, Start Num: 111

Candidate Starts for Mollymur_85:

(Start: 111 @58104 has 18 MA's), (176, 57939), (180, 57924), (202, 57873),

Gene: Monet_65 Start: 43052, Stop: 42786, Start Num: 85

Candidate Starts for Monet_65:

(Start: 84 @43055 has 30 MA's), (Start: 85 @43052 has 118 MA's), (Start: 92 @43040 has 4 MA's), (Start: 128 @43019 has 11 MA's), (142, 42968), (148, 42953), (160, 42932), (167, 42911), (171, 42902), (179, 42872),

Gene: MontyDev_40 Start: 36039, Stop: 36284, Start Num: 120

Candidate Starts for MontyDev_40:

(91, 35997), (Start: 120 @36039 has 24 MA's), (129, 36060), (134, 36081), (141, 36105), (142, 36108), (184, 36207), (186, 36210), (188, 36213), (209, 36264),

Gene: Morrill_9 Start: 6080, Stop: 5724, Start Num: 115

Candidate Starts for Morrill_9:

(Start: 115 @6080 has 53 MA's), (Start: 130 @6041 has 9 MA's), (134, 6026), (193, 5813), (208, 5774),

Gene: Mosby_36 Start: 32639, Stop: 32884, Start Num: 122

Candidate Starts for Mosby_36:

(Start: 122 @32639 has 241 MA's), (141, 32696), (157, 32729), (160, 32735), (176, 32783), (178, 32789), (182, 32801),

Gene: Moss_31 Start: 22585, Stop: 22851, Start Num: 113

Candidate Starts for Moss_31:

(Start: 113 @22585 has 23 MA's), (Start: 125 @22600 has 175 MA's), (144, 22663), (201, 22783),

Gene: MrGordo_64 Start: 41635, Stop: 41360, Start Num: 85

Candidate Starts for MrGordo_64:

(Start: 84 @41638 has 30 MA's), (Start: 85 @41635 has 118 MA's), (Start: 92 @41623 has 4 MA's),
(Start: 128 @41593 has 11 MA's), (142, 41542), (148, 41527), (160, 41506), (171, 41476), (179,
41446), (212, 41371),

Gene: MrMagoo_44 Start: 33882, Stop: 34133, Start Num: 120

Candidate Starts for MrMagoo_44:

(Start: 120 @33882 has 24 MA's), (175, 34026), (176, 34029), (180, 34044), (208, 34098),

Gene: Mryolo_58 Start: 40629, Stop: 40372, Start Num: 94

Candidate Starts for Mryolo_58:

(Start: 94 @40629 has 10 MA's), (Start: 127 @40611 has 5 MA's), (Start: 128 @40605 has 11 MA's),
(142, 40554), (148, 40539), (160, 40518), (171, 40488), (179, 40458),

Gene: MsGreen_31 Start: 28784, Stop: 29050, Start Num: 122

Candidate Starts for MsGreen_31:

(Start: 122 @28784 has 241 MA's), (Start: 128 @28796 has 11 MA's), (136, 28829),

Gene: Mudpuppy_32 Start: 24535, Stop: 24777, Start Num: 106

Candidate Starts for Mudpuppy_32:

(18, 24277), (27, 24313), (Start: 106 @24535 has 5 MA's), (180, 24694),

Gene: Mufasa_69 Start: 45652, Stop: 45897, Start Num: 125

Candidate Starts for Mufasa_69:

(72, 45595), (76, 45601), (Start: 125 @45652 has 175 MA's), (157, 45742), (180, 45811), (195, 45835),
(216, 45889),

Gene: Mulciber_57 Start: 37323, Stop: 37051, Start Num: 86

Candidate Starts for Mulciber_57:

(Start: 86 @37323 has 127 MA's), (Start: 118 @37314 has 20 MA's), (182, 37143),

Gene: Mule_59 Start: 40467, Stop: 40201, Start Num: 85

Candidate Starts for Mule_59:

(Start: 84 @40470 has 30 MA's), (Start: 85 @40467 has 118 MA's), (Start: 92 @40455 has 4 MA's),
(Start: 128 @40434 has 11 MA's), (142, 40383), (148, 40368), (160, 40347), (171, 40317), (179,
40287),

Gene: Munch_58 Start: 37786, Stop: 37514, Start Num: 86

Candidate Starts for Munch_58:

(Start: 86 @37786 has 127 MA's), (Start: 118 @37777 has 20 MA's), (182, 37606),

Gene: Murica_36 Start: 33119, Stop: 33364, Start Num: 122

Candidate Starts for Murica_36:

(Start: 122 @33119 has 241 MA's), (141, 33176), (157, 33209), (160, 33215), (178, 33269), (182,
33281),

Gene: Murphy_38 Start: 33114, Stop: 33359, Start Num: 122

Candidate Starts for Murphy_38:

(Start: 122 @33114 has 241 MA's), (141, 33171), (157, 33204), (160, 33210), (178, 33264), (182,
33276),

Gene: Murucutumbu_68 Start: 44888, Stop: 45130, Start Num: 125

Candidate Starts for Murucutumbu_68:

(Start: 125 @44888 has 175 MA's), (157, 44978), (195, 45074), (205, 45098),

Gene: Music_39 Start: 33258, Stop: 33593, Start Num: 97

Candidate Starts for Music_39:

(Start: 97 @33258 has 2 MA's), (Start: 108 @33273 has 6 MA's), (182, 33486), (183, 33489), (220, 33564),

Gene: Mynx_68 Start: 44234, Stop: 44476, Start Num: 125

Candidate Starts for Mynx_68:

(Start: 125 @44234 has 175 MA's), (157, 44324), (195, 44420), (205, 44444),

Gene: Myrale_37 Start: 32998, Stop: 33243, Start Num: 122

Candidate Starts for Myrale_37:

(Start: 122 @32998 has 241 MA's), (141, 33055), (157, 33088), (160, 33094), (178, 33148), (182, 33160),

Gene: Mysterium_31 Start: 22590, Stop: 22856, Start Num: 113

Candidate Starts for Mysterium_31:

(Start: 113 @22590 has 23 MA's), (Start: 125 @22605 has 175 MA's), (144, 22668), (201, 22788),

Gene: Myxus_58 Start: 38225, Stop: 37953, Start Num: 86

Candidate Starts for Myxus_58:

(Start: 86 @38225 has 127 MA's), (Start: 118 @38216 has 20 MA's), (139, 38159), (156, 38123), (170, 38084), (178, 38057), (182, 38045),

Gene: NEHalo_59 Start: 41047, Stop: 40781, Start Num: 85

Candidate Starts for NEHalo_59:

(Start: 84 @41050 has 30 MA's), (Start: 85 @41047 has 118 MA's), (Start: 92 @41035 has 4 MA's), (Start: 128 @41014 has 11 MA's), (142, 40963), (148, 40948), (160, 40927), (171, 40897), (179, 40867), (212, 40792),

Gene: Naira_64 Start: 42709, Stop: 42434, Start Num: 85

Candidate Starts for Naira_64:

(Start: 85 @42709 has 118 MA's), (Start: 92 @42697 has 4 MA's), (Start: 128 @42667 has 11 MA's), (142, 42616), (148, 42601), (160, 42580), (167, 42559), (171, 42550), (179, 42520), (212, 42445),

Gene: Naji_60 Start: 38269, Stop: 37997, Start Num: 86

Candidate Starts for Naji_60:

(Start: 86 @38269 has 127 MA's), (Start: 118 @38260 has 20 MA's), (156, 38167), (182, 38089), (208, 38035),

Gene: Nala_37 Start: 33153, Stop: 33398, Start Num: 122

Candidate Starts for Nala_37:

(Start: 122 @33153 has 241 MA's), (141, 33210), (157, 33243), (160, 33249), (178, 33303), (182, 33315),

Gene: Nanosmite_44 Start: 33715, Stop: 33966, Start Num: 120

Candidate Starts for Nanosmite_44:

(Start: 120 @33715 has 24 MA's), (142, 33778), (157, 33808), (175, 33859),

Gene: Nebulosus_62 Start: 37439, Stop: 37170, Start Num: 112

Candidate Starts for Nebulosus_62:

(10, 37883), (11, 37859), (15, 37781), (Start: 112 @37439 has 27 MA's), (182, 37262), (204, 37223),

Gene: Nedarya_60 Start: 37419, Stop: 37150, Start Num: 111

Candidate Starts for Nedarya_60:

(11, 37842), (Start: 111 @37419 has 18 MA's), (Start: 118 @37410 has 20 MA's), (Start: 128 @37392 has 11 MA's), (182, 37239),

Gene: Neighly_62 Start: 41954, Stop: 42202, Start Num: 125

Candidate Starts for Neighly_62:

(Start: 125 @41954 has 175 MA's), (148, 42029), (177, 42101),

Gene: Nekros_50 Start: 43030, Stop: 43269, Start Num: 128

Candidate Starts for Nekros_50:

(Start: 128 @43030 has 11 MA's), (135, 43057), (157, 43111), (158, 43114), (179, 43171), (195, 43207),

Gene: NelitzaMV_37 Start: 33203, Stop: 33448, Start Num: 122

Candidate Starts for NelitzaMV_37:

(Start: 122 @33203 has 241 MA's), (141, 33260), (157, 33293), (160, 33299), (178, 33353), (182, 33365),

Gene: Nенаe_55 Start: 36175, Stop: 36423, Start Num: 116

Candidate Starts for Nенаe_55:

(Start: 116 @36175 has 37 MA's), (Start: 127 @36187 has 5 MA's), (179, 36337), (180, 36340), (218, 36415),

Gene: Nerujay_64 Start: 42393, Stop: 42118, Start Num: 85

Candidate Starts for Nerujay_64:

(Start: 84 @42396 has 30 MA's), (Start: 85 @42393 has 118 MA's), (Start: 92 @42381 has 4 MA's), (Start: 128 @42351 has 11 MA's), (142, 42300), (148, 42285), (160, 42264), (171, 42234), (179, 42204),

Gene: Netyap_32 Start: 28422, Stop: 28688, Start Num: 122

Candidate Starts for Netyap_32:

(Start: 122 @28422 has 241 MA's), (136, 28467), (158, 28518), (183, 28584), (212, 28656), (221, 28677),

Gene: Neuville_3 Start: 977, Stop: 1246, Start Num: 118

Candidate Starts for Neuville_3:

(Start: 118 @977 has 20 MA's),

Gene: Neville_111 Start: 63902, Stop: 64144, Start Num: 115

Candidate Starts for Neville_111:

(Start: 96 @63872 has 2 MA's), (Start: 115 @63902 has 53 MA's), (156, 63998), (157, 64001), (171, 64037), (179, 64067), (182, 64073), (200, 64112),

Gene: Nibb_69 Start: 43994, Stop: 44221, Start Num: 125

Candidate Starts for Nibb_69:

(Start: 125 @43994 has 175 MA's), (177, 44129), (195, 44165),

Gene: Nibley_46 Start: 39034, Stop: 39279, Start Num: 122

Candidate Starts for Nibley_46:

(Start: 122 @39034 has 241 MA's), (142, 39097), (157, 39127), (158, 39130), (180, 39190), (182, 39193), (183, 39196),

Gene: Nicholas_31 Start: 28784, Stop: 29050, Start Num: 122

Candidate Starts for Nicholas_31:

(Start: 122 @28784 has 241 MA's), (Start: 128 @28796 has 11 MA's), (136, 28829),

Gene: Nicholasp3_32 Start: 28424, Stop: 28690, Start Num: 122

Candidate Starts for Nicholasp3_32:

(Start: 122 @28424 has 241 MA's), (136, 28469), (158, 28520), (183, 28586), (212, 28658), (221, 28679),

Gene: NihilNomen_51 Start: 44218, Stop: 44466, Start Num: 122

Candidate Starts for NihilNomen_51:

(Start: 122 @44218 has 241 MA's), (174, 44350),

Gene: Nikao_58 Start: 43554, Stop: 43799, Start Num: 125

Candidate Starts for Nikao_58:

(69, 43482), (Start: 125 @43554 has 175 MA's), (165, 43659), (177, 43701), (195, 43737),

Gene: Niklas_69 Start: 44184, Stop: 44423, Start Num: 124

Candidate Starts for Niklas_69:

(Start: 124 @44184 has 6 MA's), (157, 44274), (170, 44310), (176, 44328), (205, 44391),

Gene: Nilo_41 Start: 36395, Stop: 36640, Start Num: 120

Candidate Starts for Nilo_41:

(91, 36353), (Start: 120 @36395 has 24 MA's), (129, 36416), (134, 36437), (142, 36464), (184, 36563), (186, 36566), (188, 36569), (209, 36620),

Gene: Nimrod_37 Start: 33377, Stop: 33622, Start Num: 122

Candidate Starts for Nimrod_37:

(Start: 122 @33377 has 241 MA's), (141, 33434), (157, 33467), (160, 33473), (178, 33527), (182, 33539),

Gene: Niobe_34 Start: 26608, Stop: 26865, Start Num: 121

Candidate Starts for Niobe_34:

(18, 26371), (20, 26380), (Start: 121 @26608 has 23 MA's), (137, 26656), (182, 26773),

Gene: Nitro_33 Start: 25923, Stop: 26186, Start Num: 105

Candidate Starts for Nitro_33:

(Start: 105 @25923 has 27 MA's), (180, 26103),

Gene: Niza_64 Start: 43063, Stop: 42797, Start Num: 85

Candidate Starts for Niza_64:

(Start: 84 @43066 has 30 MA's), (Start: 85 @43063 has 118 MA's), (Start: 92 @43051 has 4 MA's), (Start: 128 @43030 has 11 MA's), (142, 42979), (148, 42964), (160, 42943), (171, 42913), (179, 42883), (212, 42808),

Gene: NoSleep_38 Start: 32874, Stop: 33119, Start Num: 122

Candidate Starts for NoSleep_38:

(Start: 122 @32874 has 241 MA's), (141, 32931), (157, 32964), (160, 32970), (178, 33024), (182, 33036),

Gene: NonchalantPear_37 Start: 32827, Stop: 33072, Start Num: 122

Candidate Starts for NonchalantPear_37:

(Start: 122 @32827 has 241 MA's), (141, 32884), (157, 32917), (160, 32923), (178, 32977), (182, 32989),

Gene: Norvs_124 Start: 71047, Stop: 71340, Start Num: 111

Candidate Starts for Norvs_124:

(Start: 111 @71047 has 18 MA's), (134, 71095), (179, 71224),

Gene: Norz_62 Start: 43480, Stop: 43214, Start Num: 85

Candidate Starts for Norz_62:

(Start: 84 @43483 has 30 MA's), (Start: 85 @43480 has 118 MA's), (Start: 92 @43468 has 4 MA's), (Start: 128 @43447 has 11 MA's), (142, 43396), (148, 43381), (160, 43360), (171, 43330), (179, 43300),

Gene: NothingSpecial_56 Start: 38807, Stop: 38535, Start Num: 86

Candidate Starts for NothingSpecial_56:

(Start: 86 @38807 has 127 MA's), (Start: 127 @38786 has 5 MA's), (Start: 128 @38780 has 11 MA's), (138, 38744), (157, 38702), (164, 38693), (173, 38657), (182, 38627), (187, 38618), (190, 38615),

Gene: November_64 Start: 43864, Stop: 44103, Start Num: 125

Candidate Starts for November_64:

(77, 43798), (Start: 125 @43864 has 175 MA's), (Start: 128 @43873 has 11 MA's), (195, 44050),

Gene: Noxious_61 Start: 40961, Stop: 40695, Start Num: 85

Candidate Starts for Noxious_61:

(Start: 84 @40964 has 30 MA's), (Start: 85 @40961 has 118 MA's), (Start: 92 @40949 has 4 MA's), (Start: 128 @40928 has 11 MA's), (142, 40877), (148, 40862), (160, 40841), (171, 40811), (179, 40781),

Gene: Nutello_55 Start: 40941, Stop: 41186, Start Num: 125

Candidate Starts for Nutello_55:

(69, 40869), (Start: 125 @40941 has 175 MA's), (165, 41046), (177, 41088), (195, 41124),

Gene: Oatly_9 Start: 6310, Stop: 5987, Start Num: 115

Candidate Starts for Oatly_9:

(33, 6478), (37, 6460), (50, 6427), (Start: 115 @6310 has 53 MA's), (133, 6259), (137, 6244), (149, 6196), (177, 6088), (203, 6040), (208, 6022),

Gene: ObiToo_36 Start: 25276, Stop: 25518, Start Num: 106

Candidate Starts for ObiToo_36:

(18, 25018), (27, 25054), (Start: 106 @25276 has 5 MA's),

Gene: Octobien14_110 Start: 61808, Stop: 62044, Start Num: 115

Candidate Starts for Octobien14_110:

(Start: 115 @61808 has 53 MA's), (Start: 128 @61823 has 11 MA's), (148, 61886), (157, 61901), (171, 61937), (200, 62012),

Gene: Odette_52 Start: 43439, Stop: 43684, Start Num: 122

Candidate Starts for Odette_52:

(Start: 122 @43439 has 241 MA's), (142, 43502), (157, 43532), (158, 43535), (180, 43595), (182, 43598), (183, 43601),

Gene: Odin_56 Start: 37328, Stop: 37056, Start Num: 86

Candidate Starts for Odin_56:

(Start: 86 @37328 has 127 MA's), (Start: 128 @37301 has 11 MA's), (173, 37178), (176, 37166),

Gene: Ohno789_62 Start: 41791, Stop: 41525, Start Num: 85

Candidate Starts for Ohno789_62:

(Start: 85 @41791 has 118 MA's), (Start: 92 @41779 has 4 MA's), (Start: 127 @41764 has 5 MA's),
(Start: 128 @41758 has 11 MA's), (142, 41707), (148, 41692), (160, 41671), (171, 41641), (179,
41611), (212, 41536),

Gene: OkiRoe_61 Start: 42847, Stop: 43095, Start Num: 125

Candidate Starts for OkiRoe_61:

(Start: 125 @42847 has 175 MA's), (144, 42910),

Gene: Omega_56 Start: 45262, Stop: 45501, Start Num: 128

Candidate Starts for Omega_56:

(Start: 128 @45262 has 11 MA's), (135, 45289), (157, 45343), (158, 45346), (179, 45403), (195,
45439),

Gene: Omnicron_64 Start: 42953, Stop: 43201, Start Num: 125

Candidate Starts for Omnicron_64:

(Start: 125 @42953 has 175 MA's), (137, 42998),

Gene: OneUp_110 Start: 69312, Stop: 69614, Start Num: 104

Candidate Starts for OneUp_110:

(Start: 104 @69312 has 14 MA's), (Start: 113 @69324 has 23 MA's), (178, 69492),

Gene: Onglai_56 Start: 36566, Stop: 36294, Start Num: 86

Candidate Starts for Onglai_56:

(Start: 86 @36566 has 127 MA's), (Start: 118 @36557 has 20 MA's), (139, 36500), (156, 36464), (170,
36425), (178, 36398), (182, 36386),

Gene: Oofda_65 Start: 37642, Stop: 37373, Start Num: 112

Candidate Starts for Oofda_65:

(Start: 112 @37642 has 27 MA's), (182, 37465),

Gene: Oogway_61 Start: 42078, Stop: 41827, Start Num: 118

Candidate Starts for Oogway_61:

(Start: 84 @42126 has 30 MA's), (Start: 85 @42123 has 118 MA's), (Start: 92 @42111 has 4 MA's),
(Start: 118 @42078 has 20 MA's), (Start: 128 @42060 has 11 MA's), (142, 42009), (148, 41994), (160,
41973), (171, 41943), (179, 41913), (212, 41838),

Gene: Optimus_57 Start: 45133, Stop: 45381, Start Num: 122

Candidate Starts for Optimus_57:

(Start: 122 @45133 has 241 MA's), (174, 45265),

Gene: Orange_57 Start: 37335, Stop: 37063, Start Num: 86

Candidate Starts for Orange_57:

(Start: 86 @37335 has 127 MA's), (Start: 118 @37326 has 20 MA's), (182, 37155),

Gene: Origami_41 Start: 26498, Stop: 26785, Start Num: 98

Candidate Starts for Origami_41:

(Start: 98 @26498 has 6 MA's),

Gene: OrionPax_38 Start: 32880, Stop: 33125, Start Num: 122

Candidate Starts for OrionPax_38:

(Start: 122 @32880 has 241 MA's), (141, 32937), (157, 32970), (160, 32976), (178, 33030), (182, 33042),

Gene: Orkz_49 Start: 32713, Stop: 32997, Start Num: 122

Candidate Starts for Orkz_49:

(19, 32434), (Start: 108 @32695 has 6 MA's), (Start: 122 @32713 has 241 MA's), (156, 32821), (203, 32926), (214, 32956),

Gene: Oscar_70 Start: 44198, Stop: 44425, Start Num: 125

Candidate Starts for Oscar_70:

(Start: 125 @44198 has 175 MA's), (167, 44315), (177, 44333),

Gene: OverPar_32 Start: 28454, Stop: 28720, Start Num: 122

Candidate Starts for OverPar_32:

(Start: 122 @28454 has 241 MA's), (136, 28499), (158, 28550), (183, 28616), (212, 28688), (221, 28709),

Gene: P1201_68 Start: 51515, Stop: 51231, Start Num: 130

Candidate Starts for P1201_68:

(Start: 130 @51515 has 9 MA's), (145, 51455), (211, 51260),

Gene: PSullivan_60 Start: 39680, Stop: 39405, Start Num: 85

Candidate Starts for PSullivan_60:

(Start: 84 @39683 has 30 MA's), (Start: 85 @39680 has 118 MA's), (Start: 92 @39668 has 4 MA's), (Start: 128 @39638 has 11 MA's), (142, 39587), (148, 39572), (160, 39551), (171, 39521), (179, 39491),

Gene: Pabst_9 Start: 6171, Stop: 5848, Start Num: 115

Candidate Starts for Pabst_9:

(Start: 84 @6219 has 30 MA's), (Start: 115 @6171 has 53 MA's), (Start: 130 @6132 has 9 MA's), (133, 6120), (177, 5949), (192, 5916), (208, 5883), (219, 5865),

Gene: PacerPaul_61 Start: 41105, Stop: 40827, Start Num: 84

Candidate Starts for PacerPaul_61:

(Start: 84 @41105 has 30 MA's), (Start: 85 @41102 has 118 MA's), (Start: 92 @41090 has 4 MA's), (Start: 128 @41060 has 11 MA's), (142, 41009), (148, 40994), (160, 40973), (171, 40943), (179, 40913),

Gene: PackMan_57 Start: 38225, Stop: 37953, Start Num: 86

Candidate Starts for PackMan_57:

(Start: 86 @38225 has 127 MA's), (Start: 118 @38216 has 20 MA's), (139, 38159), (156, 38123), (170, 38084), (178, 38057), (182, 38045),

Gene: PaddyBaddy_38 Start: 32890, Stop: 33135, Start Num: 122

Candidate Starts for PaddyBaddy_38:

(Start: 122 @32890 has 241 MA's), (141, 32947), (157, 32980), (160, 32986), (178, 33040), (182, 33052),

Gene: Padfoot_66 Start: 43819, Stop: 44061, Start Num: 125

Candidate Starts for Padfoot_66:

(Start: 125 @43819 has 175 MA's), (157, 43909), (195, 44005), (205, 44029),

Gene: Padpat_69 Start: 43939, Stop: 44181, Start Num: 125

Candidate Starts for Padpat_69:

(Start: 125 @43939 has 175 MA's), (157, 44029), (195, 44125), (205, 44149),

Gene: PainterBoy_59 Start: 38298, Stop: 38026, Start Num: 86

Candidate Starts for PainterBoy_59:

(51, 38367), (Start: 86 @38298 has 127 MA's), (Start: 118 @38289 has 20 MA's), (156, 38196), (173, 38148), (178, 38130), (182, 38118),

Gene: Palpatine_37 Start: 33149, Stop: 33394, Start Num: 122

Candidate Starts for Palpatine_37:

(Start: 122 @33149 has 241 MA's), (141, 33206), (157, 33239), (160, 33245), (178, 33299), (182, 33311),

Gene: Panchaali_99 Start: 83918, Stop: 84178, Start Num: 122

Candidate Starts for Panchaali_99:

(Start: 122 @83918 has 241 MA's), (215, 84137),

Gene: Panchino_48 Start: 35810, Stop: 36058, Start Num: 116

Candidate Starts for Panchino_48:

(31, 35636), (66, 35732), (Start: 116 @35810 has 37 MA's), (Start: 127 @35822 has 5 MA's), (157, 35906), (179, 35972), (180, 35975),

Gene: PandaPo_32 Start: 23156, Stop: 23401, Start Num: 122

Candidate Starts for PandaPo_32:

(Start: 122 @23156 has 241 MA's), (137, 23201), (180, 23315),

Gene: Paola_60 Start: 42432, Stop: 42680, Start Num: 125

Candidate Starts for Paola_60:

(Start: 125 @42432 has 175 MA's), (148, 42507), (177, 42579),

Gene: Paperbeatsrock_39 Start: 34115, Stop: 34360, Start Num: 122

Candidate Starts for Paperbeatsrock_39:

(Start: 122 @34115 has 241 MA's), (141, 34172), (157, 34205), (160, 34211), (178, 34265), (182, 34277),

Gene: Papez_64 Start: 42624, Stop: 42355, Start Num: 84

Candidate Starts for Papez_64:

(Start: 84 @42624 has 30 MA's), (Start: 85 @42621 has 118 MA's), (Start: 92 @42609 has 4 MA's), (Start: 128 @42588 has 11 MA's), (142, 42537), (148, 42522), (160, 42501), (171, 42471), (179, 42441),

Gene: Papyrus_40 Start: 36054, Stop: 36299, Start Num: 120

Candidate Starts for Papyrus_40:

(91, 36012), (Start: 120 @36054 has 24 MA's), (129, 36075), (134, 36096), (141, 36120), (142, 36123), (184, 36222), (186, 36225), (188, 36228),

Gene: Paraselene_60 Start: 41399, Stop: 41133, Start Num: 85

Candidate Starts for Paraselene_60:

(Start: 84 @41402 has 30 MA's), (Start: 85 @41399 has 118 MA's), (Start: 92 @41387 has 4 MA's), (Start: 128 @41366 has 11 MA's), (142, 41315), (148, 41300), (160, 41279), (171, 41249), (179,

41219), (212, 41144),

Gene: Pari_65 Start: 40809, Stop: 40543, Start Num: 85

Candidate Starts for Pari_65:

(Start: 84 @40812 has 30 MA's), (Start: 85 @40809 has 118 MA's), (Start: 92 @40797 has 4 MA's), (Start: 105 @40782 has 27 MA's), (Start: 128 @40776 has 11 MA's), (142, 40725), (148, 40710), (160, 40689), (171, 40659), (179, 40629), (212, 40554),

Gene: Parmesanjohn_50 Start: 34925, Stop: 35173, Start Num: 116

Candidate Starts for Parmesanjohn_50:

(12, 34511), (28, 34718), (31, 34751), (66, 34847), (Start: 116 @34925 has 37 MA's), (Start: 127 @34937 has 5 MA's), (Start: 128 @34943 has 11 MA's), (157, 35021), (179, 35087), (180, 35090),

Gene: PascalRango_60 Start: 40921, Stop: 40646, Start Num: 85

Candidate Starts for PascalRango_60:

(Start: 84 @40924 has 30 MA's), (Start: 85 @40921 has 118 MA's), (Start: 92 @40909 has 4 MA's), (Start: 128 @40879 has 11 MA's), (142, 40828), (148, 40813), (160, 40792), (171, 40762), (179, 40732),

Gene: Pat3_36 Start: 31861, Stop: 32106, Start Num: 122

Candidate Starts for Pat3_36:

(Start: 122 @31861 has 241 MA's), (141, 31918), (157, 31951), (160, 31957), (176, 32005), (178, 32011), (182, 32023),

Gene: Patbob_107 Start: 87222, Stop: 87470, Start Num: 122

Candidate Starts for Patbob_107:

(Start: 122 @87222 has 241 MA's), (Start: 127 @87228 has 5 MA's), (Start: 128 @87234 has 11 MA's),

Gene: PattyP_64 Start: 42323, Stop: 42045, Start Num: 84

Candidate Starts for PattyP_64:

(Start: 84 @42323 has 30 MA's), (Start: 85 @42320 has 118 MA's), (Start: 92 @42308 has 4 MA's), (Start: 128 @42278 has 11 MA's), (142, 42227), (148, 42212), (160, 42191), (171, 42161), (179, 42131),

Gene: PauloDiaboli_218 Start: 116530, Stop: 116276, Start Num: 122

Candidate Starts for PauloDiaboli_218:

(Start: 122 @116530 has 241 MA's), (167, 116416), (176, 116389),

Gene: Payneful_60 Start: 40589, Stop: 40314, Start Num: 85

Candidate Starts for Payneful_60:

(Start: 84 @40592 has 30 MA's), (Start: 85 @40589 has 118 MA's), (Start: 92 @40577 has 4 MA's), (Start: 128 @40547 has 11 MA's), (142, 40496), (148, 40481), (160, 40460), (167, 40439), (171, 40430), (179, 40400),

Gene: Peanam_69 Start: 44141, Stop: 44380, Start Num: 124

Candidate Starts for Peanam_69:

(Start: 124 @44141 has 6 MA's), (157, 44231), (170, 44267), (176, 44285), (205, 44348),

Gene: Peel_66 Start: 43624, Stop: 43866, Start Num: 125

Candidate Starts for Peel_66:

(Start: 125 @43624 has 175 MA's), (157, 43714), (195, 43810), (205, 43834),

Gene: PegLeg_39 Start: 32761, Stop: 33039, Start Num: 104

Candidate Starts for PegLeg_39:

(46, 32650), (Start: 104 @32761 has 14 MA's), (Start: 117 @32779 has 4 MA's), (142, 32842), (177, 32929), (179, 32938), (183, 32947),

Gene: Pelly_63 Start: 43135, Stop: 42869, Start Num: 85

Candidate Starts for Pelly_63:

(Start: 84 @43138 has 30 MA's), (Start: 85 @43135 has 118 MA's), (Start: 92 @43123 has 4 MA's), (Start: 128 @43102 has 11 MA's), (142, 43051), (148, 43036), (160, 43015), (171, 42985), (179, 42955), (212, 42880),

Gene: Pepe_60 Start: 40251, Stop: 39985, Start Num: 85

Candidate Starts for Pepe_60:

(Start: 84 @40254 has 30 MA's), (Start: 85 @40251 has 118 MA's), (Start: 92 @40239 has 4 MA's), (Start: 105 @40224 has 27 MA's), (Start: 128 @40218 has 11 MA's), (142, 40167), (148, 40152), (171, 40101), (179, 40071),

Gene: Percival_43 Start: 28266, Stop: 28523, Start Num: 118

Candidate Starts for Percival_43:

(47, 28155), (49, 28158), (Start: 118 @28266 has 20 MA's), (137, 28320), (183, 28446), (198, 28458), (202, 28470),

Gene: Perseus_61 Start: 42872, Stop: 42606, Start Num: 85

Candidate Starts for Perseus_61:

(Start: 84 @42875 has 30 MA's), (Start: 85 @42872 has 118 MA's), (Start: 92 @42860 has 4 MA's), (Start: 128 @42839 has 11 MA's), (142, 42788), (148, 42773), (160, 42752), (171, 42722), (179, 42692),

Gene: Petersenfast_56 Start: 37334, Stop: 37062, Start Num: 86

Candidate Starts for Petersenfast_56:

(Start: 86 @37334 has 127 MA's), (Start: 118 @37325 has 20 MA's), (182, 37154),

Gene: Peterson_66 Start: 43632, Stop: 43366, Start Num: 85

Candidate Starts for Peterson_66:

(Start: 85 @43632 has 118 MA's), (Start: 92 @43620 has 4 MA's), (Start: 128 @43599 has 11 MA's), (142, 43548), (148, 43533), (160, 43512), (171, 43482), (179, 43452), (212, 43377),

Gene: PeteyPab_51 Start: 43958, Stop: 43662, Start Num: 130

Candidate Starts for PeteyPab_51:

(Start: 130 @43958 has 9 MA's), (145, 43895), (176, 43781), (179, 43769), (195, 43736), (223, 43667),

Gene: Petra64142_39 Start: 33595, Stop: 33840, Start Num: 122

Candidate Starts for Petra64142_39:

(Start: 122 @33595 has 241 MA's), (141, 33652), (157, 33685), (160, 33691), (178, 33745), (182, 33757),

Gene: Petruccio_62 Start: 40710, Stop: 40435, Start Num: 85

Candidate Starts for Petruccio_62:

(Start: 84 @40713 has 30 MA's), (Start: 85 @40710 has 118 MA's), (Start: 92 @40698 has 4 MA's), (Start: 128 @40668 has 11 MA's), (142, 40617), (148, 40602), (160, 40581), (171, 40551), (179, 40521), (212, 40446),

Gene: Ph8s_59 Start: 37685, Stop: 37413, Start Num: 86

Candidate Starts for Ph8s_59:

(Start: 86 @37685 has 127 MA's), (138, 37622), (160, 37574), (173, 37535), (176, 37523), (182, 37505),

Gene: Phaeder_58 Start: 38225, Stop: 37953, Start Num: 86

Candidate Starts for Phaeder_58:

(Start: 86 @38225 has 127 MA's), (Start: 118 @38216 has 20 MA's), (139, 38159), (156, 38123), (170, 38084), (178, 38057), (182, 38045),

Gene: PhancyPhin_55 Start: 36169, Stop: 36417, Start Num: 116

Candidate Starts for PhancyPhin_55:

(Start: 116 @36169 has 37 MA's), (Start: 127 @36181 has 5 MA's), (179, 36331), (180, 36334), (218, 36409),

Gene: Pharaoh_53 Start: 38271, Stop: 37999, Start Num: 86

Candidate Starts for Pharaoh_53:

(25, 38472), (Start: 86 @38271 has 127 MA's), (Start: 118 @38262 has 20 MA's), (Start: 127 @38250 has 5 MA's), (138, 38208), (156, 38169), (173, 38121), (178, 38103), (182, 38091), (187, 38082),

Gene: Pharb_67 Start: 43448, Stop: 43690, Start Num: 120

Candidate Starts for Pharb_67:

(Start: 120 @43448 has 24 MA's), (134, 43481), (157, 43538), (180, 43610),

Gene: Pharky_9 Start: 6092, Stop: 5736, Start Num: 115

Candidate Starts for Pharky_9:

(Start: 115 @6092 has 53 MA's), (Start: 130 @6053 has 9 MA's), (134, 6038), (159, 5951), (162, 5942), (189, 5834), (193, 5825), (208, 5786),

Gene: Pharsalus_38 Start: 33915, Stop: 34160, Start Num: 122

Candidate Starts for Pharsalus_38:

(Start: 122 @33915 has 241 MA's), (141, 33972), (157, 34005), (160, 34011), (178, 34065), (182, 34077),

Gene: PhatBacter_37 Start: 33163, Stop: 33408, Start Num: 122

Candidate Starts for PhatBacter_37:

(Start: 122 @33163 has 241 MA's), (141, 33220), (157, 33253), (160, 33259), (178, 33313), (182, 33325),

Gene: Phaux_36 Start: 33161, Stop: 33406, Start Num: 122

Candidate Starts for Phaux_36:

(Start: 122 @33161 has 241 MA's), (141, 33218), (157, 33251), (160, 33257), (178, 33311), (182, 33323),

Gene: Phedro_9 Start: 6092, Stop: 5736, Start Num: 115

Candidate Starts for Phedro_9:

(Start: 115 @6092 has 53 MA's), (Start: 130 @6053 has 9 MA's), (134, 6038), (159, 5951), (162, 5942), (189, 5834), (193, 5825), (208, 5786),

Gene: PhelpsODU_68 Start: 43391, Stop: 43630, Start Num: 125

Candidate Starts for PhelpsODU_68:

(Start: 125 @43391 has 175 MA's), (Start: 128 @43400 has 11 MA's), (157, 43481), (180, 43550),

Gene: PherrisBueller_61 Start: 39865, Stop: 39599, Start Num: 85

Candidate Starts for PherrisBueller_61:

(Start: 85 @39865 has 118 MA's), (Start: 92 @39853 has 4 MA's), (Start: 127 @39838 has 5 MA's), (Start: 128 @39832 has 11 MA's), (142, 39781), (148, 39766), (160, 39745), (171, 39715), (179, 39685), (212, 39610),

Gene: PhineBark_62 Start: 41556, Stop: 41281, Start Num: 85

Candidate Starts for PhineBark_62:

(Start: 84 @41559 has 30 MA's), (Start: 85 @41556 has 118 MA's), (Start: 92 @41544 has 4 MA's), (Start: 128 @41514 has 11 MA's), (148, 41448), (160, 41427), (171, 41397), (179, 41367),

Gene: PhinkBoden_125 Start: 71915, Stop: 72205, Start Num: 113

Candidate Starts for PhinkBoden_125:

(54, 71807), (62, 71822), (Start: 84 @71867 has 30 MA's), (Start: 113 @71915 has 23 MA's), (134, 71960), (179, 72089),

Gene: Phives_35 Start: 26643, Stop: 26906, Start Num: 105

Candidate Starts for Phives_35:

(18, 26406), (21, 26415), (Start: 105 @26643 has 27 MA's),

Gene: Phlei_47 Start: 37907, Stop: 37635, Start Num: 86

Candidate Starts for Phlei_47:

(Start: 86 @37907 has 127 MA's), (Start: 118 @37898 has 20 MA's), (160, 37796), (173, 37757), (174, 37754), (208, 37673),

Gene: Phlippers_58 Start: 41400, Stop: 41134, Start Num: 85

Candidate Starts for Phlippers_58:

(Start: 84 @41403 has 30 MA's), (Start: 85 @41400 has 118 MA's), (Start: 92 @41388 has 4 MA's), (Start: 128 @41367 has 11 MA's), (142, 41316), (148, 41301), (160, 41280), (171, 41250), (179, 41220),

Gene: Phloss_48 Start: 34332, Stop: 34580, Start Num: 116

Candidate Starts for Phloss_48:

(12, 33918), (28, 34125), (31, 34158), (66, 34254), (Start: 116 @34332 has 37 MA's), (Start: 127 @34344 has 5 MA's), (Start: 128 @34350 has 11 MA's), (157, 34428), (179, 34494), (180, 34497),

Gene: Phoebus_51 Start: 44419, Stop: 44667, Start Num: 122

Candidate Starts for Phoebus_51:

(Start: 122 @44419 has 241 MA's), (174, 44551),

Gene: Phogo_9 Start: 6365, Stop: 6045, Start Num: 115

Candidate Starts for Phogo_9:

(61, 6455), (Start: 115 @6365 has 53 MA's), (133, 6314), (137, 6299), (149, 6251), (192, 6110),

Gene: Phonnegut_58 Start: 38322, Stop: 38050, Start Num: 86

Candidate Starts for Phonnegut_58:

(Start: 86 @38322 has 127 MA's), (Start: 118 @38313 has 20 MA's), (139, 38256), (156, 38220), (170, 38181), (178, 38154), (182, 38142),

Gene: Phractured_9 Start: 6092, Stop: 5736, Start Num: 115

Candidate Starts for Phractured_9:

(Start: 115 @6092 has 53 MA's), (Start: 130 @6053 has 9 MA's), (134, 6038), (159, 5951), (162, 5942), (189, 5834), (193, 5825), (208, 5786),

Gene: Phrampa_101 Start: 88629, Stop: 88877, Start Num: 122

Candidate Starts for Phrampa_101:

(Start: 122 @88629 has 241 MA's), (Start: 127 @88635 has 5 MA's), (Start: 128 @88641 has 11 MA's), (176, 88773),

Gene: Phrank_70 Start: 43454, Stop: 43693, Start Num: 125

Candidate Starts for Phrank_70:

(71, 43370), (Start: 125 @43454 has 175 MA's), (Start: 128 @43463 has 11 MA's), (157, 43544), (176, 43598),

Gene: Phrann_52 Start: 36452, Stop: 36700, Start Num: 116

Candidate Starts for Phrann_52:

(Start: 116 @36452 has 37 MA's), (Start: 127 @36464 has 5 MA's), (179, 36614), (180, 36617), (218, 36692),

Gene: PhriedRice_9 Start: 6092, Stop: 5736, Start Num: 115

Candidate Starts for PhriedRice_9:

(Start: 115 @6092 has 53 MA's), (Start: 130 @6053 has 9 MA's), (134, 6038), (162, 5942), (189, 5834), (193, 5825), (208, 5786),

Gene: PhrostyMug_62 Start: 42644, Stop: 42375, Start Num: 84

Candidate Starts for PhrostyMug_62:

(Start: 84 @42644 has 30 MA's), (Start: 85 @42641 has 118 MA's), (Start: 92 @42629 has 4 MA's), (Start: 128 @42608 has 11 MA's), (142, 42557), (148, 42542), (160, 42521), (171, 42491), (179, 42461),

Gene: Phrux_37 Start: 32876, Stop: 33121, Start Num: 122

Candidate Starts for Phrux_37:

(Start: 122 @32876 has 241 MA's), (141, 32933), (157, 32966), (160, 32972), (178, 33026), (182, 33038),

Gene: Piatt_66 Start: 43819, Stop: 44061, Start Num: 125

Candidate Starts for Piatt_66:

(Start: 125 @43819 has 175 MA's), (157, 43909), (195, 44005), (205, 44029),

Gene: PineapplePluto_10 Start: 6454, Stop: 6131, Start Num: 115

Candidate Starts for PineapplePluto_10:

(33, 6622), (50, 6571), (Start: 115 @6454 has 53 MA's), (133, 6403), (137, 6388), (149, 6340), (177, 6232), (203, 6184), (208, 6166),

Gene: PinkPlastic_62 Start: 41194, Stop: 40919, Start Num: 85

Candidate Starts for PinkPlastic_62:

(Start: 84 @41197 has 30 MA's), (Start: 85 @41194 has 118 MA's), (Start: 92 @41182 has 4 MA's), (Start: 128 @41152 has 11 MA's), (142, 41101), (148, 41086), (160, 41065), (171, 41035), (179, 41005), (212, 40930),

Gene: Pinto_62 Start: 40971, Stop: 40705, Start Num: 83

Candidate Starts for Pinto_62:

(Start: 83 @40971 has 6 MA's), (Start: 92 @40959 has 4 MA's), (Start: 128 @40938 has 11 MA's), (142, 40887), (148, 40872), (160, 40851), (171, 40821), (179, 40791), (212, 40716),

Gene: Pioneer_58 Start: 38322, Stop: 38050, Start Num: 86

Candidate Starts for Pioneer_58:

(Start: 86 @38322 has 127 MA's), (Start: 118 @38313 has 20 MA's), (139, 38256), (156, 38220), (170, 38181), (178, 38154), (182, 38142),

Gene: Pippin_62 Start: 40576, Stop: 40307, Start Num: 84

Candidate Starts for Pippin_62:

(Start: 84 @40576 has 30 MA's), (Start: 85 @40573 has 118 MA's), (Start: 92 @40561 has 4 MA's), (Start: 128 @40540 has 11 MA's), (142, 40489), (148, 40474), (160, 40453), (171, 40423), (179, 40393),

Gene: Pippin15_52 Start: 34099, Stop: 34347, Start Num: 121

Candidate Starts for Pippin15_52:

(Start: 121 @34099 has 23 MA's), (Start: 128 @34114 has 11 MA's), (156, 34198), (179, 34258), (180, 34261), (183, 34267), (222, 34336),

Gene: Pipsqueaks_50 Start: 34902, Stop: 35150, Start Num: 116

Candidate Starts for Pipsqueaks_50:

(12, 34488), (28, 34695), (31, 34728), (66, 34824), (Start: 116 @34902 has 37 MA's), (Start: 127 @34914 has 5 MA's), (Start: 128 @34920 has 11 MA's), (157, 34998), (179, 35064), (180, 35067),

Gene: Pisa1_66 Start: 44437, Stop: 44682, Start Num: 125

Candidate Starts for Pisa1_66:

(Start: 125 @44437 has 175 MA's), (157, 44527), (195, 44623), (205, 44647),

Gene: Pisa4_60 Start: 39806, Stop: 40051, Start Num: 125

Candidate Starts for Pisa4_60:

(Start: 125 @39806 has 175 MA's), (157, 39896), (195, 39992), (205, 40016),

Gene: Pita2_63 Start: 41180, Stop: 40902, Start Num: 84

Candidate Starts for Pita2_63:

(Start: 84 @41180 has 30 MA's), (Start: 85 @41177 has 118 MA's), (Start: 92 @41165 has 4 MA's), (Start: 128 @41135 has 11 MA's), (142, 41084), (148, 41069), (160, 41048), (171, 41018), (179, 40988),

Gene: Pixelle_33 Start: 26398, Stop: 26640, Start Num: 106

Candidate Starts for Pixelle_33:

(Start: 106 @26398 has 5 MA's),

Gene: Pixie_67 Start: 43623, Stop: 43865, Start Num: 120

Candidate Starts for Pixie_67:

(Start: 120 @43623 has 24 MA's), (134, 43656), (157, 43713), (167, 43740), (177, 43773), (180, 43785),

Gene: Pokerus_66 Start: 43964, Stop: 44206, Start Num: 125

Candidate Starts for Pokerus_66:

(Start: 125 @43964 has 175 MA's), (157, 44054), (195, 44150), (205, 44174),

Gene: Policronamos_37 Start: 33161, Stop: 33406, Start Num: 122

Candidate Starts for Policronamos_37:

(Start: 122 @33161 has 241 MA's), (141, 33218), (157, 33251), (160, 33257), (178, 33311), (182, 33323),

Gene: Pollywog_85 Start: 50811, Stop: 51077, Start Num: 83

Candidate Starts for Pollywog_85:

(Start: 83 @50811 has 6 MA's), (Start: 92 @50823 has 4 MA's), (Start: 128 @50844 has 11 MA's), (142, 50895), (148, 50910), (160, 50931), (167, 50952), (171, 50961), (179, 50991), (212, 51066),

Gene: Pomar16_60 Start: 38309, Stop: 38037, Start Num: 86

Candidate Starts for Pomar16_60:

(Start: 86 @38309 has 127 MA's), (Start: 118 @38300 has 20 MA's), (156, 38207), (182, 38129), (208, 38075),

Gene: Porcelain_50 Start: 40623, Stop: 40862, Start Num: 128

Candidate Starts for Porcelain_50:

(Start: 128 @40623 has 11 MA's), (135, 40650), (157, 40704), (158, 40707), (179, 40764), (195, 40800),

Gene: Porky_37 Start: 32972, Stop: 33217, Start Num: 122

Candidate Starts for Porky_37:

(Start: 122 @32972 has 241 MA's), (141, 33029), (157, 33062), (160, 33068), (178, 33122), (182, 33134),

Gene: PotatoChip_52 Start: 43960, Stop: 43664, Start Num: 130

Candidate Starts for PotatoChip_52:

(Start: 130 @43960 has 9 MA's), (145, 43897), (176, 43783), (179, 43771), (195, 43738), (223, 43669),

Gene: Pound_54 Start: 45996, Stop: 46244, Start Num: 122

Candidate Starts for Pound_54:

(Start: 122 @45996 has 241 MA's), (174, 46128),

Gene: Power_57 Start: 38477, Stop: 38205, Start Num: 86

Candidate Starts for Power_57:

(Start: 86 @38477 has 127 MA's), (Start: 118 @38468 has 20 MA's), (Start: 127 @38456 has 5 MA's), (Start: 128 @38450 has 11 MA's), (173, 38327),

Gene: PowerRanger_60 Start: 42237, Stop: 41971, Start Num: 85

Candidate Starts for PowerRanger_60:

(Start: 84 @42240 has 30 MA's), (Start: 85 @42237 has 118 MA's), (Start: 92 @42225 has 4 MA's), (Start: 128 @42204 has 11 MA's), (142, 42153), (148, 42138), (171, 42087), (203, 42012), (212, 41982),

Gene: Powerpuff_35 Start: 25868, Stop: 26110, Start Num: 105

Candidate Starts for Powerpuff_35:

(Start: 105 @25868 has 27 MA's), (180, 26027),

Gene: Prithvi_68 Start: 44110, Stop: 44352, Start Num: 125

Candidate Starts for Prithvi_68:

(Start: 125 @44110 has 175 MA's), (157, 44200), (195, 44296),

Gene: Priya_58 Start: 38292, Stop: 38020, Start Num: 86

Candidate Starts for Priya_58:

(Start: 86 @38292 has 127 MA's), (Start: 118 @38283 has 20 MA's), (139, 38226), (156, 38190), (170, 38151), (178, 38124), (182, 38112),

Gene: Psycho_60 Start: 41080, Stop: 41328, Start Num: 125

Candidate Starts for Psycho_60:

(Start: 125 @41080 has 175 MA's), (148, 41155), (177, 41227),

Gene: Ptowny_38 Start: 32517, Stop: 32762, Start Num: 122

Candidate Starts for Ptowny_38:

(Start: 122 @32517 has 241 MA's), (141, 32574), (157, 32607), (160, 32613), (178, 32667), (182, 32679),

Gene: Pumpernickel_201 Start: 115898, Stop: 115641, Start Num: 122

Candidate Starts for Pumpernickel_201:

(Start: 122 @115898 has 241 MA's), (176, 115754), (180, 115739),

Gene: Pumpkin_39 Start: 33212, Stop: 33457, Start Num: 122

Candidate Starts for Pumpkin_39:

(Start: 122 @33212 has 241 MA's), (141, 33269), (157, 33302), (160, 33308), (178, 33362), (182, 33374),

Gene: Pumpkins_33 Start: 25496, Stop: 25762, Start Num: 105

Candidate Starts for Pumpkins_33:

(Start: 105 @25496 has 27 MA's), (180, 25679),

Gene: Pupper_77 Start: 28936, Stop: 29202, Start Num: 122

Candidate Starts for Pupper_77:

(Start: 122 @28936 has 241 MA's), (136, 28984), (182, 29104), (206, 29164),

Gene: Puppet_60 Start: 42578, Stop: 42312, Start Num: 85

Candidate Starts for Puppet_60:

(Start: 84 @42581 has 30 MA's), (Start: 85 @42578 has 118 MA's), (Start: 92 @42566 has 4 MA's), (Start: 128 @42545 has 11 MA's), (142, 42494), (148, 42479), (160, 42458), (167, 42437), (171, 42428), (179, 42398),

Gene: Purgamenstris_55 Start: 36173, Stop: 36421, Start Num: 116

Candidate Starts for Purgamenstris_55:

(Start: 116 @36173 has 37 MA's), (Start: 127 @36185 has 5 MA's), (179, 36335), (180, 36338), (218, 36413),

Gene: QTRlifeCrisis_62 Start: 41518, Stop: 41243, Start Num: 85

Candidate Starts for QTRlifeCrisis_62:

(Start: 84 @41521 has 30 MA's), (Start: 85 @41518 has 118 MA's), (Start: 92 @41506 has 4 MA's), (Start: 128 @41476 has 11 MA's), (142, 41425), (148, 41410), (160, 41389), (171, 41359), (179, 41329),

Gene: Qobbit_58 Start: 38254, Stop: 37982, Start Num: 86

Candidate Starts for Qobbit_58:

(Start: 86 @38254 has 127 MA's), (Start: 118 @38245 has 20 MA's), (139, 38188), (156, 38152), (170, 38113), (178, 38086), (182, 38074),

Gene: Quallification_38 Start: 33341, Stop: 33586, Start Num: 122

Candidate Starts for Quallification_38:

(Start: 122 @33341 has 241 MA's), (141, 33398), (157, 33431), (160, 33437), (178, 33491), (182, 33503),

Gene: QueenB2_57 Start: 38455, Stop: 38183, Start Num: 86

Candidate Starts for QueenB2_57:

(Start: 86 @38455 has 127 MA's), (Start: 118 @38446 has 20 MA's), (Start: 127 @38434 has 5 MA's),
(Start: 128 @38428 has 11 MA's), (173, 38305), (182, 38275),

Gene: QueenBeesly_58 Start: 38424, Stop: 38152, Start Num: 86

Candidate Starts for QueenBeesly_58:

(Start: 86 @38424 has 127 MA's), (Start: 118 @38415 has 20 MA's), (Start: 127 @38403 has 5 MA's),
(Start: 128 @38397 has 11 MA's), (173, 38274),

Gene: QuincyRose_64 Start: 43845, Stop: 44087, Start Num: 125

Candidate Starts for QuincyRose_64:

(Start: 125 @43845 has 175 MA's), (157, 43935), (195, 44031), (205, 44055),

Gene: Quokka_56 Start: 37421, Stop: 37149, Start Num: 86

Candidate Starts for Quokka_56:

(Start: 86 @37421 has 127 MA's), (Start: 127 @37400 has 5 MA's), (Start: 128 @37394 has 11 MA's),
(173, 37271), (176, 37259),

Gene: Rabbitrun_113 Start: 64952, Stop: 65221, Start Num: 96

Candidate Starts for Rabbitrun_113:

(Start: 96 @64952 has 2 MA's), (Start: 115 @64979 has 53 MA's), (138, 65036), (154, 65069), (156,
65075), (157, 65078), (171, 65114), (179, 65144), (182, 65150), (196, 65180), (200, 65189),

Gene: Racecar_109 Start: 87140, Stop: 87388, Start Num: 122

Candidate Starts for Racecar_109:

(Start: 122 @87140 has 241 MA's), (Start: 127 @87146 has 5 MA's), (Start: 128 @87152 has 11
MA's),

Gene: Rachaly_57 Start: 38723, Stop: 38451, Start Num: 86

Candidate Starts for Rachaly_57:

(Start: 86 @38723 has 127 MA's), (Start: 128 @38696 has 11 MA's), (173, 38573), (182, 38543),

Gene: Rahalelujah_58 Start: 37998, Stop: 37726, Start Num: 86

Candidate Starts for Rahalelujah_58:

(Start: 86 @37998 has 127 MA's), (Start: 118 @37989 has 20 MA's), (139, 37932), (156, 37896), (173,
37848),

Gene: Rajelicia_62 Start: 42806, Stop: 42531, Start Num: 85

Candidate Starts for Rajelicia_62:

(Start: 84 @42809 has 30 MA's), (Start: 85 @42806 has 118 MA's), (Start: 92 @42794 has 4 MA's),
(Start: 128 @42764 has 11 MA's), (142, 42713), (148, 42698), (160, 42677), (171, 42647), (179,
42617),

Gene: Rakim_38 Start: 33241, Stop: 33486, Start Num: 122

Candidate Starts for Rakim_38:

(Start: 122 @33241 has 241 MA's), (141, 33298), (157, 33331), (160, 33337), (178, 33391), (182,
33403),

Gene: Ramen_67 Start: 43469, Stop: 43711, Start Num: 125

Candidate Starts for Ramen_67:

(Start: 125 @43469 has 175 MA's), (157, 43559), (195, 43655), (205, 43679),

Gene: Rando14_62 Start: 40667, Stop: 40915, Start Num: 125

Candidate Starts for Rando14_62:

(Start: 125 @40667 has 175 MA's),

Gene: Rapunzel97_68 Start: 43920, Stop: 44162, Start Num: 125

Candidate Starts for Rapunzel97_68:

(Start: 125 @43920 has 175 MA's), (157, 44010), (195, 44106), (205, 44130),

Gene: Ravana_66 Start: 38767, Stop: 38498, Start Num: 112

Candidate Starts for Ravana_66:

(Start: 112 @38767 has 27 MA's), (182, 38590),

Gene: Raymond7_49 Start: 35961, Stop: 36209, Start Num: 116

Candidate Starts for Raymond7_49:

(Start: 116 @35961 has 37 MA's), (Start: 127 @35973 has 5 MA's), (179, 36123), (180, 36126), (218, 36201),

Gene: ReMo_62 Start: 37440, Stop: 37171, Start Num: 112

Candidate Starts for ReMo_62:

(10, 37884), (11, 37860), (15, 37782), (Start: 112 @37440 has 27 MA's), (182, 37263),

Gene: Rearden_46 Start: 40216, Stop: 40461, Start Num: 122

Candidate Starts for Rearden_46:

(Start: 122 @40216 has 241 MA's), (Start: 128 @40228 has 11 MA's), (174, 40348),

Gene: Red305_31 Start: 28796, Stop: 29050, Start Num: 128

Candidate Starts for Red305_31:

(Start: 122 @28784 has 241 MA's), (Start: 128 @28796 has 11 MA's), (136, 28829),

Gene: Redi_55 Start: 36172, Stop: 36420, Start Num: 116

Candidate Starts for Redi_55:

(Start: 116 @36172 has 37 MA's), (Start: 127 @36184 has 5 MA's), (179, 36334), (180, 36337), (218, 36412),

Gene: Redno2_50 Start: 41183, Stop: 41428, Start Num: 122

Candidate Starts for Redno2_50:

(Start: 122 @41183 has 241 MA's), (142, 41246), (157, 41276), (158, 41279), (180, 41339), (182, 41342), (183, 41345),

Gene: Reedo_32 Start: 23099, Stop: 23341, Start Num: 109

Candidate Starts for Reedo_32:

(16, 22766), (22, 22862), (26, 22871), (34, 22946), (Start: 109 @23099 has 1 MA's),

Gene: Refuge_56 Start: 39539, Stop: 39267, Start Num: 86

Candidate Starts for Refuge_56:

(72, 39569), (Start: 86 @39539 has 127 MA's), (156, 39437), (173, 39389), (178, 39371), (182, 39359),

Gene: ReginaGlobina_107 Start: 86858, Stop: 87121, Start Num: 122

Candidate Starts for ReginaGlobina_107:

(Start: 122 @86858 has 241 MA's), (203, 87047),

Gene: Reindeer_39 Start: 33229, Stop: 33507, Start Num: 104

Candidate Starts for Reindeer_39:

(Start: 104 @33229 has 14 MA's), (Start: 117 @33247 has 4 MA's), (142, 33310), (148, 33325), (177, 33397), (179, 33406), (180, 33409), (183, 33415),

Gene: Remus_64 Start: 37446, Stop: 37177, Start Num: 112

Candidate Starts for Remus_64:

(10, 37890), (11, 37866), (15, 37788), (Start: 112 @37446 has 27 MA's), (182, 37269),

Gene: Retro23_59 Start: 38669, Stop: 38397, Start Num: 86

Candidate Starts for Retro23_59:

(Start: 86 @38669 has 127 MA's), (Start: 118 @38660 has 20 MA's), (Start: 127 @38648 has 5 MA's), (Start: 128 @38642 has 11 MA's), (173, 38519), (182, 38489),

Gene: Rey_44 Start: 34155, Stop: 34406, Start Num: 119

Candidate Starts for Rey_44:

(Start: 119 @34155 has 1 MA's), (157, 34248), (175, 34299), (176, 34302), (179, 34314),

Gene: Rhynn_60 Start: 40743, Stop: 40474, Start Num: 84

Candidate Starts for Rhynn_60:

(38, 40845), (40, 40842), (58, 40797), (67, 40779), (Start: 84 @40743 has 30 MA's), (Start: 85 @40740 has 118 MA's), (Start: 92 @40728 has 4 MA's), (Start: 128 @40707 has 11 MA's), (142, 40656), (148, 40641), (160, 40620), (171, 40590), (179, 40560),

Gene: Richo_69 Start: 44123, Stop: 44362, Start Num: 124

Candidate Starts for Richo_69:

(Start: 124 @44123 has 6 MA's), (157, 44213), (170, 44249), (176, 44267), (205, 44330),

Gene: RicoCaldo_9 Start: 6122, Stop: 5766, Start Num: 115

Candidate Starts for RicoCaldo_9:

(Start: 115 @6122 has 53 MA's), (Start: 130 @6083 has 9 MA's), (134, 6068), (162, 5972), (168, 5930), (189, 5864), (193, 5855), (208, 5816),

Gene: RidgeCB_61 Start: 40947, Stop: 40681, Start Num: 83

Candidate Starts for RidgeCB_61:

(Start: 83 @40947 has 6 MA's), (Start: 92 @40935 has 4 MA's), (Start: 128 @40914 has 11 MA's), (142, 40863), (148, 40848), (160, 40827), (171, 40797), (179, 40767),

Gene: Rimmer_36 Start: 32701, Stop: 32946, Start Num: 122

Candidate Starts for Rimmer_36:

(Start: 122 @32701 has 241 MA's), (141, 32758), (157, 32791), (160, 32797), (178, 32851), (182, 32863),

Gene: Ringer_62 Start: 42252, Stop: 42001, Start Num: 103

Candidate Starts for Ringer_62:

(45, 42357), (Start: 103 @42252 has 5 MA's), (142, 42183), (148, 42168), (160, 42147), (171, 42117), (179, 42087), (212, 42012),

Gene: Riparian_40 Start: 35856, Stop: 36101, Start Num: 120

Candidate Starts for Riparian_40:

(91, 35814), (Start: 120 @35856 has 24 MA's), (129, 35877), (134, 35898), (141, 35922), (142, 35925), (184, 36024), (186, 36027), (188, 36030),

Gene: RiverMonster_37 Start: 32890, Stop: 33135, Start Num: 122

Candidate Starts for RiverMonster_37:

(Start: 122 @32890 has 241 MA's), (141, 32947), (157, 32980), (160, 32986), (178, 33040), (182, 33052),

Gene: Roberts_3 Start: 977, Stop: 1246, Start Num: 118

Candidate Starts for Roberts_3:

(Start: 118 @977 has 20 MA's),

Gene: RockScotty_31 Start: 22561, Stop: 22827, Start Num: 113

Candidate Starts for RockScotty_31:

(Start: 113 @22561 has 23 MA's), (Start: 125 @22576 has 175 MA's), (144, 22639), (151, 22657), (201, 22759),

Gene: Rockabye_113 Start: 80343, Stop: 80585, Start Num: 122

Candidate Starts for Rockabye_113:

(90, 80295), (Start: 122 @80343 has 241 MA's), (153, 80433), (180, 80502),

Gene: Rope_40 Start: 36036, Stop: 36281, Start Num: 120

Candidate Starts for Rope_40:

(91, 35994), (Start: 120 @36036 has 24 MA's), (129, 36057), (134, 36078), (141, 36102), (142, 36105), (184, 36204), (186, 36207), (188, 36210),

Gene: Rosalind_62 Start: 37598, Stop: 37329, Start Num: 112

Candidate Starts for Rosalind_62:

(10, 38042), (11, 38018), (15, 37940), (Start: 112 @37598 has 27 MA's), (182, 37421),

Gene: Rosmarinus_66 Start: 43610, Stop: 43852, Start Num: 125

Candidate Starts for Rosmarinus_66:

(Start: 125 @43610 has 175 MA's), (157, 43700), (195, 43796), (205, 43820),

Gene: Rubeelu_53 Start: 35513, Stop: 35761, Start Num: 116

Candidate Starts for Rubeelu_53:

(31, 35339), (66, 35435), (Start: 116 @35513 has 37 MA's), (Start: 127 @35525 has 5 MA's), (157, 35609), (179, 35675), (180, 35678),

Gene: Rubeus_60 Start: 38752, Stop: 38498, Start Num: 92

Candidate Starts for Rubeus_60:

(Start: 83 @38764 has 6 MA's), (Start: 92 @38752 has 4 MA's), (Start: 128 @38731 has 11 MA's), (142, 38680), (148, 38665), (160, 38644), (171, 38614), (179, 38584), (212, 38509),

Gene: Rufus_63 Start: 41448, Stop: 41182, Start Num: 83

Candidate Starts for Rufus_63:

(Start: 83 @41448 has 6 MA's), (Start: 92 @41436 has 4 MA's), (Start: 128 @41415 has 11 MA's), (142, 41364), (148, 41349), (160, 41328), (171, 41298), (179, 41268), (212, 41193),

Gene: Ruotula_64 Start: 42952, Stop: 42695, Start Num: 94

Candidate Starts for Ruotula_64:

(Start: 94 @42952 has 10 MA's), (Start: 127 @42934 has 5 MA's), (Start: 128 @42928 has 11 MA's), (142, 42877), (148, 42862), (160, 42841), (171, 42811), (179, 42781),

Gene: Rutherferd_64 Start: 42559, Stop: 42290, Start Num: 84

Candidate Starts for Rutherferd_64:

(38, 42661), (40, 42658), (58, 42613), (67, 42595), (Start: 84 @42559 has 30 MA's), (Start: 85 @42556 has 118 MA's), (Start: 92 @42544 has 4 MA's), (Start: 128 @42523 has 11 MA's), (142, 42472), (148, 42457), (160, 42436), (171, 42406), (179, 42376),

Gene: RyeScarlet_59 Start: 38297, Stop: 38025, Start Num: 86
Candidate Starts for RyeScarlet_59:
(Start: 86 @38297 has 127 MA's), (Start: 118 @38288 has 20 MA's), (139, 38231), (156, 38195), (170, 38156), (178, 38129), (182, 38117),

Gene: SCentae_76 Start: 28691, Stop: 28957, Start Num: 122
Candidate Starts for SCentae_76:
(Start: 122 @28691 has 241 MA's), (136, 28739), (182, 28859), (206, 28919),

Gene: SJReid_112 Start: 79391, Stop: 79633, Start Num: 122
Candidate Starts for SJReid_112:
(Start: 122 @79391 has 241 MA's), (176, 79535),

Gene: STLscum_70 Start: 43220, Stop: 42969, Start Num: 103
Candidate Starts for STLscum_70:
(45, 43325), (Start: 103 @43220 has 5 MA's), (142, 43151), (148, 43136), (160, 43115), (171, 43085), (179, 43055), (212, 42980),

Gene: Sabourin_31 Start: 22493, Stop: 22759, Start Num: 113
Candidate Starts for Sabourin_31:
(Start: 113 @22493 has 23 MA's), (Start: 121 @22502 has 23 MA's), (Start: 125 @22508 has 175 MA's), (144, 22571),

Gene: Sachima_55 Start: 38207, Stop: 37935, Start Num: 86
Candidate Starts for Sachima_55:
(Start: 86 @38207 has 127 MA's), (Start: 118 @38198 has 20 MA's), (139, 38141), (156, 38105), (170, 38066), (178, 38039), (182, 38027),

Gene: Sagefire_64 Start: 42827, Stop: 42561, Start Num: 85
Candidate Starts for Sagefire_64:
(Start: 84 @42830 has 30 MA's), (Start: 85 @42827 has 118 MA's), (Start: 92 @42815 has 4 MA's), (Start: 128 @42794 has 11 MA's), (142, 42743), (148, 42728), (160, 42707), (171, 42677), (179, 42647),

Gene: Saints25_38 Start: 32793, Stop: 33038, Start Num: 122
Candidate Starts for Saints25_38:
(Start: 122 @32793 has 241 MA's), (141, 32850), (157, 32883), (160, 32889), (178, 32943), (182, 32955),

Gene: Salvatore2000_9 Start: 6219, Stop: 5899, Start Num: 115
Candidate Starts for Salvatore2000_9:
(Start: 115 @6219 has 53 MA's), (Start: 130 @6180 has 9 MA's), (133, 6168), (134, 6165), (176, 6000), (208, 5931),

Gene: Salz_56 Start: 37305, Stop: 37033, Start Num: 86
Candidate Starts for Salz_56:
(Start: 86 @37305 has 127 MA's), (Start: 118 @37296 has 20 MA's), (182, 37125),

Gene: Samty_31 Start: 28787, Stop: 29053, Start Num: 122
Candidate Starts for Samty_31:
(Start: 122 @28787 has 241 MA's), (Start: 128 @28799 has 11 MA's), (136, 28832),

Gene: SamuelLPlaqson_67 Start: 44362, Stop: 44604, Start Num: 125

Candidate Starts for SamuelLPlaqson_67:

(Start: 125 @44362 has 175 MA's), (157, 44452), (195, 44548), (205, 44572),

Gene: Sandaddy_58 Start: 40699, Stop: 40442, Start Num: 94

Candidate Starts for Sandaddy_58:

(Start: 94 @40699 has 10 MA's), (Start: 127 @40681 has 5 MA's), (Start: 128 @40675 has 11 MA's), (142, 40624), (148, 40609), (160, 40588), (171, 40558), (179, 40528), (212, 40453),

Gene: Sanya_57 Start: 41974, Stop: 41741, Start Num: 128

Candidate Starts for Sanya_57:

(Start: 83 @42007 has 6 MA's), (Start: 92 @41995 has 4 MA's), (Start: 128 @41974 has 11 MA's), (142, 41923), (148, 41908), (160, 41887), (171, 41857), (179, 41827), (212, 41752),

Gene: SarFire_61 Start: 41167, Stop: 40898, Start Num: 84

Candidate Starts for SarFire_61:

(Start: 84 @41167 has 30 MA's), (Start: 85 @41164 has 118 MA's), (Start: 92 @41152 has 4 MA's), (Start: 105 @41137 has 27 MA's), (Start: 128 @41131 has 11 MA's), (142, 41080), (148, 41065), (160, 41044), (171, 41014), (179, 40984), (212, 40909),

Gene: Saskia_58 Start: 37333, Stop: 37061, Start Num: 86

Candidate Starts for Saskia_58:

(Start: 86 @37333 has 127 MA's), (Start: 118 @37324 has 20 MA's), (182, 37153),

Gene: Sassay_36 Start: 32639, Stop: 32884, Start Num: 122

Candidate Starts for Sassay_36:

(Start: 122 @32639 has 241 MA's), (141, 32696), (157, 32729), (160, 32735), (178, 32789), (182, 32801),

Gene: Scarlett_71 Start: 44528, Stop: 44758, Start Num: 125

Candidate Starts for Scarlett_71:

(Start: 125 @44528 has 175 MA's), (167, 44645), (177, 44663),

Gene: Schaffner_33 Start: 25723, Stop: 25989, Start Num: 105

Candidate Starts for Schaffner_33:

(18, 25465), (27, 25501), (Start: 105 @25723 has 27 MA's), (180, 25906),

Gene: Schatzie_49 Start: 43187, Stop: 43432, Start Num: 122

Candidate Starts for Schatzie_49:

(Start: 122 @43187 has 241 MA's), (142, 43250), (157, 43280), (158, 43283), (180, 43343), (182, 43346), (183, 43349),

Gene: Scherzo_58 Start: 38511, Stop: 38239, Start Num: 86

Candidate Starts for Scherzo_58:

(Start: 86 @38511 has 127 MA's), (Start: 118 @38502 has 20 MA's), (139, 38445), (156, 38409), (170, 38370), (178, 38343), (182, 38331),

Gene: Schnauzer_51 Start: 34925, Stop: 35173, Start Num: 116

Candidate Starts for Schnauzer_51:

(12, 34511), (28, 34718), (31, 34751), (66, 34847), (Start: 116 @34925 has 37 MA's), (Start: 127 @34937 has 5 MA's), (Start: 128 @34943 has 11 MA's), (157, 35021), (179, 35087), (180, 35090),

Gene: ScoobyDoobyDoo_73 Start: 26882, Stop: 27106, Start Num: 125

Candidate Starts for ScoobyDoobyDoo_73:

(Start: 125 @26882 has 175 MA's), (140, 26933), (170, 27005), (176, 27023), (178, 27029), (179, 27035), (201, 27071),

Gene: SemperFi_59 Start: 38692, Stop: 38420, Start Num: 86

Candidate Starts for SemperFi_59:

(Start: 86 @38692 has 127 MA's), (Start: 118 @38683 has 20 MA's), (Start: 127 @38671 has 5 MA's), (Start: 128 @38665 has 11 MA's), (173, 38542),

Gene: Send513_40 Start: 36392, Stop: 36637, Start Num: 120

Candidate Starts for Send513_40:

(91, 36350), (Start: 120 @36392 has 24 MA's), (129, 36413), (134, 36434), (142, 36461), (184, 36560), (186, 36563), (188, 36566), (209, 36617),

Gene: Sephiroth_110 Start: 62771, Stop: 63007, Start Num: 115

Candidate Starts for Sephiroth_110:

(Start: 115 @62771 has 53 MA's), (Start: 128 @62786 has 11 MA's), (148, 62849), (156, 62861), (167, 62891), (171, 62900), (180, 62933), (200, 62975),

Gene: Serenabean_52 Start: 34263, Stop: 34496, Start Num: 121

Candidate Starts for Serenabean_52:

(Start: 121 @34263 has 23 MA's), (142, 34326), (171, 34398),

Gene: Serenity_58 Start: 37628, Stop: 37356, Start Num: 86

Candidate Starts for Serenity_58:

(48, 37700), (53, 37688), (Start: 86 @37628 has 127 MA's), (Start: 127 @37607 has 5 MA's), (Start: 128 @37601 has 11 MA's), (173, 37478), (176, 37466),

Gene: SgtBeansprout_56 Start: 40941, Stop: 41186, Start Num: 125

Candidate Starts for SgtBeansprout_56:

(69, 40869), (Start: 125 @40941 has 175 MA's), (165, 41046), (177, 41088), (195, 41124),

Gene: Shadow1_71 Start: 43904, Stop: 44143, Start Num: 125

Candidate Starts for Shadow1_71:

(71, 43820), (Start: 125 @43904 has 175 MA's), (Start: 128 @43913 has 11 MA's), (157, 43994), (176, 44048), (180, 44063),

Gene: ShakeltOph_39 Start: 26463, Stop: 26750, Start Num: 98

Candidate Starts for ShakeltOph_39:

(Start: 98 @26463 has 6 MA's), (182, 26655),

Gene: Sham4_57 Start: 37333, Stop: 37061, Start Num: 86

Candidate Starts for Sham4_57:

(Start: 86 @37333 has 127 MA's), (Start: 118 @37324 has 20 MA's), (182, 37153),

Gene: ShamWow_37 Start: 33135, Stop: 33380, Start Num: 122

Candidate Starts for ShamWow_37:

(Start: 122 @33135 has 241 MA's), (141, 33192), (157, 33225), (160, 33231), (178, 33285), (182, 33297),

Gene: Shaobing_69 Start: 44159, Stop: 44398, Start Num: 124

Candidate Starts for Shaobing_69:

(Start: 124 @44159 has 6 MA's), (157, 44249), (170, 44285), (176, 44303), (205, 44366),

Gene: ShayRa_64 Start: 37627, Stop: 37358, Start Num: 112
Candidate Starts for ShayRa_64:
(10, 38071), (15, 37969), (Start: 112 @37627 has 27 MA's), (182, 37450),

Gene: SheaKeira_56 Start: 37935, Stop: 37663, Start Num: 86
Candidate Starts for SheaKeira_56:
(Start: 86 @37935 has 127 MA's), (Start: 118 @37926 has 20 MA's), (Start: 127 @37914 has 5 MA's),
(139, 37869), (156, 37833), (166, 37812), (173, 37785), (175, 37776), (179, 37761), (206, 37710),
(212, 37689),

Gene: ShedlockHolmes_69 Start: 44136, Stop: 44378, Start Num: 120
Candidate Starts for ShedlockHolmes_69:
(Start: 120 @44136 has 24 MA's), (134, 44169), (157, 44226), (177, 44286), (180, 44298),

Gene: ShiaSurprise_67 Start: 43819, Stop: 44061, Start Num: 125
Candidate Starts for ShiaSurprise_67:
(Start: 125 @43819 has 175 MA's), (157, 43909), (195, 44005), (205, 44029),

Gene: ShortQueendom_56 Start: 38806, Stop: 38531, Start Num: 85
Candidate Starts for ShortQueendom_56:
(Start: 84 @38809 has 30 MA's), (Start: 85 @38806 has 118 MA's), (Start: 92 @38794 has 4 MA's),
(142, 38713), (148, 38698), (160, 38677), (171, 38647), (179, 38617),

Gene: ShrimpFriedEgg_55 Start: 36172, Stop: 36420, Start Num: 116
Candidate Starts for ShrimpFriedEgg_55:
(Start: 116 @36172 has 37 MA's), (Start: 127 @36184 has 5 MA's), (179, 36334), (180, 36337), (218,
36412),

Gene: Shweta_51 Start: 35498, Stop: 35743, Start Num: 112
Candidate Starts for Shweta_51:
(Start: 112 @35498 has 27 MA's), (Start: 127 @35510 has 5 MA's), (Start: 128 @35516 has 11 MA's),
(153, 35582), (172, 35627), (180, 35657),

Gene: ShyRosie_9 Start: 6089, Stop: 5751, Start Num: 115
Candidate Starts for ShyRosie_9:
(52, 6161), (Start: 115 @6089 has 53 MA's), (Start: 130 @6050 has 9 MA's), (147, 5978), (162, 5939),
(210, 5798),

Gene: Silvafighter_51 Start: 34898, Stop: 35146, Start Num: 116
Candidate Starts for Silvafighter_51:
(12, 34484), (28, 34691), (31, 34724), (66, 34820), (Start: 116 @34898 has 37 MA's), (Start: 127
@34910 has 5 MA's), (Start: 128 @34916 has 11 MA's), (157, 34994), (179, 35060), (180, 35063),

Gene: Simpliphy_38 Start: 32880, Stop: 33125, Start Num: 122
Candidate Starts for Simpliphy_38:
(Start: 122 @32880 has 241 MA's), (141, 32937), (157, 32970), (160, 32976), (178, 33030), (182,
33042),

Gene: Simpson_35 Start: 24755, Stop: 25021, Start Num: 105
Candidate Starts for Simpson_35:
(18, 24497), (Start: 105 @24755 has 27 MA's), (180, 24938),

Gene: SirDuracell_36 Start: 31800, Stop: 32045, Start Num: 122

Candidate Starts for SirDuracell_36:

(Start: 122 @31800 has 241 MA's), (141, 31857), (157, 31890), (160, 31896), (176, 31944), (178, 31950), (182, 31962),

Gene: SirPhilip_66 Start: 44298, Stop: 44537, Start Num: 125

Candidate Starts for SirPhilip_66:

(Start: 125 @44298 has 175 MA's), (157, 44388), (170, 44424), (176, 44442), (179, 44454),

Gene: Skelbel_35 Start: 26608, Stop: 26865, Start Num: 121

Candidate Starts for Skelbel_35:

(18, 26371), (20, 26380), (Start: 121 @26608 has 23 MA's), (137, 26656), (182, 26773),

Gene: Skinny_40 Start: 33191, Stop: 33469, Start Num: 104

Candidate Starts for Skinny_40:

(46, 33080), (Start: 104 @33191 has 14 MA's), (Start: 117 @33209 has 4 MA's), (142, 33272), (177, 33359), (179, 33368), (183, 33377),

Gene: Skog_140 Start: 57999, Stop: 58271, Start Num: 122

Candidate Starts for Skog_140:

(Start: 122 @57999 has 241 MA's), (136, 58047), (148, 58080), (182, 58167),

Gene: Slagathor_64 Start: 43192, Stop: 42926, Start Num: 85

Candidate Starts for Slagathor_64:

(Start: 84 @43195 has 30 MA's), (Start: 85 @43192 has 118 MA's), (Start: 92 @43180 has 4 MA's), (Start: 127 @43165 has 5 MA's), (Start: 128 @43159 has 11 MA's), (142, 43108), (148, 43093), (160, 43072), (171, 43042), (179, 43012),

Gene: SlimJimmy_38 Start: 32763, Stop: 33023, Start Num: 117

Candidate Starts for SlimJimmy_38:

(46, 32634), (Start: 104 @32745 has 14 MA's), (Start: 117 @32763 has 4 MA's), (142, 32826), (177, 32913), (179, 32922), (183, 32931),

Gene: Slimphazie_67 Start: 43920, Stop: 44162, Start Num: 125

Candidate Starts for Slimphazie_67:

(Start: 125 @43920 has 175 MA's), (157, 44010), (195, 44106), (205, 44130),

Gene: Smairt_64 Start: 43635, Stop: 43369, Start Num: 85

Candidate Starts for Smairt_64:

(Start: 84 @43638 has 30 MA's), (Start: 85 @43635 has 118 MA's), (Start: 92 @43623 has 4 MA's), (Start: 128 @43602 has 11 MA's), (142, 43551), (148, 43536), (160, 43515), (171, 43485), (179, 43455),

Gene: Smeagan_61 Start: 38985, Stop: 38713, Start Num: 86

Candidate Starts for Smeagan_61:

(Start: 86 @38985 has 127 MA's), (Start: 118 @38976 has 20 MA's), (Start: 127 @38964 has 5 MA's), (Start: 128 @38958 has 11 MA's), (173, 38835),

Gene: Smeagol_64 Start: 43015, Stop: 42749, Start Num: 85

Candidate Starts for Smeagol_64:

(Start: 85 @43015 has 118 MA's), (Start: 92 @43003 has 4 MA's), (Start: 128 @42982 has 11 MA's), (142, 42931), (148, 42916), (160, 42895), (171, 42865), (179, 42835),

Gene: Smoothie_126 Start: 71628, Stop: 71921, Start Num: 111

Candidate Starts for Smoothie_126:

(Start: 111 @71628 has 18 MA's), (134, 71676), (179, 71805),

Gene: Smurph_50 Start: 34925, Stop: 35173, Start Num: 116

Candidate Starts for Smurph_50:

(12, 34511), (28, 34718), (31, 34751), (66, 34847), (Start: 116 @34925 has 37 MA's), (Start: 127 @34937 has 5 MA's), (Start: 128 @34943 has 11 MA's), (157, 35021), (179, 35087), (180, 35090),

Gene: SnapTap_58 Start: 38503, Stop: 38231, Start Num: 86

Candidate Starts for SnapTap_58:

(Start: 86 @38503 has 127 MA's), (Start: 118 @38494 has 20 MA's), (Start: 127 @38482 has 5 MA's), (Start: 128 @38476 has 11 MA's), (173, 38353),

Gene: Snape_57 Start: 37325, Stop: 37053, Start Num: 86

Candidate Starts for Snape_57:

(Start: 86 @37325 has 127 MA's), (Start: 118 @37316 has 20 MA's), (182, 37145),

Gene: Snazzy_60 Start: 40262, Stop: 39987, Start Num: 85

Candidate Starts for Snazzy_60:

(Start: 84 @40265 has 30 MA's), (Start: 85 @40262 has 118 MA's), (Start: 92 @40250 has 4 MA's), (142, 40169), (148, 40154), (160, 40133), (171, 40103), (179, 40073),

Gene: Snek_33 Start: 23631, Stop: 23897, Start Num: 88

Candidate Starts for Snek_33:

(22, 23421), (26, 23430), (Start: 88 @23631 has 2 MA's), (180, 23814),

Gene: Snekmaggedon_49 Start: 34464, Stop: 34712, Start Num: 116

Candidate Starts for Snekmaggedon_49:

(Start: 116 @34464 has 37 MA's), (Start: 127 @34476 has 5 MA's), (179, 34626), (180, 34629), (218, 34704),

Gene: Snenia_31 Start: 28785, Stop: 29051, Start Num: 122

Candidate Starts for Snenia_31:

(Start: 122 @28785 has 241 MA's), (Start: 128 @28797 has 11 MA's), (136, 28830),

Gene: SoSeph_61 Start: 42799, Stop: 43047, Start Num: 125

Candidate Starts for SoSeph_61:

(Start: 125 @42799 has 175 MA's), (148, 42874), (177, 42946), (187, 42970),

Gene: SoilSleuth_9 Start: 6089, Stop: 5751, Start Num: 115

Candidate Starts for SoilSleuth_9:

(52, 6161), (60, 6146), (Start: 115 @6089 has 53 MA's), (Start: 130 @6050 has 9 MA's), (147, 5978), (162, 5939), (210, 5798),

Gene: Solon_61 Start: 40838, Stop: 40563, Start Num: 85

Candidate Starts for Solon_61:

(Start: 84 @40841 has 30 MA's), (Start: 85 @40838 has 118 MA's), (Start: 92 @40826 has 4 MA's), (Start: 128 @40796 has 11 MA's), (142, 40745), (148, 40730), (160, 40709), (171, 40679), (179, 40649), (212, 40574),

Gene: Sooty_31 Start: 22496, Stop: 22762, Start Num: 113

Candidate Starts for Sooty_31:

(Start: 113 @22496 has 23 MA's), (Start: 121 @22505 has 23 MA's), (Start: 125 @22511 has 175 MA's), (144, 22574),

Gene: SophKB_37 Start: 33134, Stop: 33379, Start Num: 122

Candidate Starts for SophKB_37:

(Start: 122 @33134 has 241 MA's), (141, 33191), (157, 33224), (160, 33230), (178, 33284), (182, 33296),

Gene: Sorpresa_59 Start: 40701, Stop: 40444, Start Num: 94

Candidate Starts for Sorpresa_59:

(Start: 94 @40701 has 10 MA's), (Start: 127 @40683 has 5 MA's), (Start: 128 @40677 has 11 MA's), (142, 40626), (148, 40611), (160, 40590), (171, 40560), (179, 40530), (212, 40455),

Gene: Sorvannah_9 Start: 6219, Stop: 5899, Start Num: 115

Candidate Starts for Sorvannah_9:

(Start: 115 @6219 has 53 MA's), (Start: 130 @6180 has 9 MA's), (133, 6168), (134, 6165), (176, 6000), (208, 5931),

Gene: Sotrice96_37 Start: 33089, Stop: 33334, Start Num: 122

Candidate Starts for Sotrice96_37:

(Start: 122 @33089 has 241 MA's), (141, 33146), (157, 33179), (160, 33185), (178, 33239), (182, 33251),

Gene: Soups_64 Start: 37890, Stop: 37621, Start Num: 112

Candidate Starts for Soups_64:

(10, 38334), (15, 38232), (Start: 112 @37890 has 27 MA's), (182, 37713),

Gene: SpecialK_31 Start: 22493, Stop: 22759, Start Num: 113

Candidate Starts for SpecialK_31:

(Start: 113 @22493 has 23 MA's), (Start: 125 @22508 has 175 MA's), (144, 22571), (201, 22691),

Gene: SpeedDemon_860 Start: 59302, Stop: 59036, Start Num: 111

Candidate Starts for SpeedDemon_860:

(Start: 111 @59302 has 18 MA's), (132, 59254),

Gene: SpikeBT_60 Start: 40904, Stop: 40638, Start Num: 85

Candidate Starts for SpikeBT_60:

(Start: 84 @40907 has 30 MA's), (Start: 85 @40904 has 118 MA's), (Start: 92 @40892 has 4 MA's), (Start: 128 @40871 has 11 MA's), (142, 40820), (148, 40805), (160, 40784), (171, 40754), (179, 40724), (212, 40649),

Gene: Spinach_55 Start: 36172, Stop: 36420, Start Num: 116

Candidate Starts for Spinach_55:

(Start: 116 @36172 has 37 MA's), (Start: 127 @36184 has 5 MA's), (179, 36334), (180, 36337), (218, 36412),

Gene: Splinter_63 Start: 40094, Stop: 40318, Start Num: 125

Candidate Starts for Splinter_63:

(Start: 125 @40094 has 175 MA's), (137, 40136), (157, 40181), (164, 40190), (178, 40241), (180, 40250),

Gene: Spock_66 Start: 43623, Stop: 43865, Start Num: 125

Candidate Starts for Spock_66:

(Start: 125 @43623 has 175 MA's), (157, 43713), (195, 43809), (205, 43833),

Gene: SpongeBob_49 Start: 34464, Stop: 34712, Start Num: 116

Candidate Starts for SpongeBob_49:

(Start: 116 @34464 has 37 MA's), (Start: 127 @34476 has 5 MA's), (179, 34626), (180, 34629), (218, 34704),

Gene: Spouty_58 Start: 38291, Stop: 38019, Start Num: 86

Candidate Starts for Spouty_58:

(Start: 86 @38291 has 127 MA's), (Start: 118 @38282 has 20 MA's), (139, 38225), (156, 38189), (170, 38150), (178, 38123), (182, 38111),

Gene: Squee_63 Start: 41158, Stop: 40892, Start Num: 85

Candidate Starts for Squee_63:

(Start: 84 @41161 has 30 MA's), (Start: 85 @41158 has 118 MA's), (Start: 92 @41146 has 4 MA's), (Start: 128 @41125 has 11 MA's), (148, 41059), (160, 41038), (167, 41017), (171, 41008), (179, 40978), (212, 40903),

Gene: StagePhright_9 Start: 6092, Stop: 5736, Start Num: 115

Candidate Starts for StagePhright_9:

(Start: 115 @6092 has 53 MA's), (Start: 130 @6053 has 9 MA's), (134, 6038), (159, 5951), (162, 5942), (189, 5834), (193, 5825), (208, 5786),

Gene: Stank_40 Start: 33641, Stop: 33886, Start Num: 122

Candidate Starts for Stank_40:

(Start: 122 @33641 has 241 MA's), (141, 33698), (157, 33731), (160, 33737), (178, 33791), (182, 33803),

Gene: StarStuff_60 Start: 38271, Stop: 37999, Start Num: 86

Candidate Starts for StarStuff_60:

(Start: 86 @38271 has 127 MA's), (Start: 118 @38262 has 20 MA's), (156, 38169), (182, 38091), (208, 38037),

Gene: Stark_38 Start: 32893, Stop: 33138, Start Num: 122

Candidate Starts for Stark_38:

(Start: 122 @32893 has 241 MA's), (141, 32950), (157, 32983), (160, 32989), (178, 33043), (182, 33055),

Gene: Steamy_54 Start: 38003, Stop: 37731, Start Num: 86

Candidate Starts for Steamy_54:

(25, 38204), (Start: 86 @38003 has 127 MA's), (Start: 118 @37994 has 20 MA's), (Start: 128 @37976 has 11 MA's), (138, 37940), (156, 37901), (173, 37853), (178, 37835), (187, 37814), (190, 37811),

Gene: StellaBean_37 Start: 33134, Stop: 33379, Start Num: 122

Candidate Starts for StellaBean_37:

(Start: 122 @33134 has 241 MA's), (141, 33191), (157, 33224), (160, 33230), (178, 33284), (182, 33296),

Gene: Stellammi_36 Start: 29438, Stop: 29665, Start Num: 124

Candidate Starts for Stellammi_36:

(41, 29303), (59, 29342), (68, 29360), (78, 29381), (100, 29405), (107, 29417), (Start: 124 @29438 has 6 MA's), (142, 29495), (160, 29531), (179, 29591),

Gene: Stewart25555_99 Start: 83664, Stop: 83927, Start Num: 122
Candidate Starts for Stewart25555_99:
(Start: 122 @83664 has 241 MA's), (142, 83724), (203, 83853), (217, 83886),

Gene: StewieG_57 Start: 37645, Stop: 37379, Start Num: 85
Candidate Starts for StewieG_57:
(Start: 84 @37648 has 30 MA's), (Start: 85 @37645 has 118 MA's), (Start: 92 @37633 has 4 MA's),
(Start: 128 @37612 has 11 MA's), (142, 37561), (148, 37546), (160, 37525), (171, 37495),

Gene: Stickynote_52 Start: 43964, Stop: 43674, Start Num: 130
Candidate Starts for Stickynote_52:
(Start: 130 @43964 has 9 MA's), (145, 43901), (176, 43787), (206, 43715),

Gene: Stinson_68 Start: 44248, Stop: 44490, Start Num: 125
Candidate Starts for Stinson_68:
(Start: 125 @44248 has 175 MA's), (157, 44338), (195, 44434), (205, 44458),

Gene: StolenFromERC_39 Start: 33125, Stop: 33370, Start Num: 122
Candidate Starts for StolenFromERC_39:
(Start: 122 @33125 has 241 MA's), (141, 33182), (157, 33215), (160, 33221), (178, 33275), (182,
33287),

Gene: StormChicken_37 Start: 33309, Stop: 33554, Start Num: 122
Candidate Starts for StormChicken_37:
(Start: 122 @33309 has 241 MA's), (141, 33366), (157, 33399), (160, 33405), (178, 33459), (182,
33471),

Gene: Stormbreaker_9 Start: 6347, Stop: 6027, Start Num: 115
Candidate Starts for Stormbreaker_9:
(47, 6467), (61, 6437), (Start: 115 @6347 has 53 MA's), (133, 6296), (137, 6281), (149, 6233), (192,
6092),

Gene: Strobilo_70 Start: 46068, Stop: 46313, Start Num: 125
Candidate Starts for Strobilo_70:
(69, 46005), (Start: 125 @46068 has 175 MA's), (157, 46158), (180, 46227),

Gene: Strosahl_64 Start: 37446, Stop: 37177, Start Num: 112
Candidate Starts for Strosahl_64:
(10, 37890), (11, 37866), (15, 37788), (Start: 112 @37446 has 27 MA's), (182, 37269),

Gene: Stuck_65 Start: 45144, Stop: 45389, Start Num: 112
Candidate Starts for Stuck_65:
(Start: 112 @45144 has 27 MA's), (Start: 127 @45156 has 5 MA's), (Start: 128 @45162 has 11 MA's),
(153, 45228), (172, 45273), (180, 45303),

Gene: Studio_2 Start: 600, Stop: 863, Start Num: 118
Candidate Starts for Studio_2:
(Start: 118 @600 has 20 MA's),

Gene: Stuu_31 Start: 22587, Stop: 22853, Start Num: 113
Candidate Starts for Stuu_31:
(Start: 113 @22587 has 23 MA's), (Start: 125 @22602 has 175 MA's), (144, 22665), (201, 22785),

Gene: SuMoo_44 Start: 27844, Stop: 28113, Start Num: 118

Candidate Starts for SuMoo_44:

(35, 27691), (47, 27730), (49, 27733), (Start: 118 @27844 has 20 MA's), (137, 27898), (146, 27931), (178, 28012), (203, 28057),

Gene: Subaru_35 Start: 26623, Stop: 26880, Start Num: 121

Candidate Starts for Subaru_35:

(18, 26386), (20, 26395), (Start: 121 @26623 has 23 MA's), (137, 26671), (182, 26788),

Gene: Sue2_34 Start: 25374, Stop: 25640, Start Num: 105

Candidate Starts for Sue2_34:

(22, 25137), (26, 25146), (34, 25221), (Start: 105 @25374 has 27 MA's), (180, 25557), (208, 25614),

Gene: Sulley_66 Start: 43683, Stop: 43925, Start Num: 125

Candidate Starts for Sulley_66:

(Start: 125 @43683 has 175 MA's), (157, 43773), (195, 43869), (205, 43893),

Gene: Sumter_58 Start: 41278, Stop: 41012, Start Num: 85

Candidate Starts for Sumter_58:

(Start: 84 @41281 has 30 MA's), (Start: 85 @41278 has 118 MA's), (Start: 92 @41266 has 4 MA's), (Start: 105 @41251 has 27 MA's), (Start: 128 @41245 has 11 MA's), (142, 41194), (148, 41179), (160, 41158), (171, 41128), (179, 41098), (212, 41023),

Gene: Sunflower1121_72 Start: 44050, Stop: 44289, Start Num: 125

Candidate Starts for Sunflower1121_72:

(71, 43966), (Start: 125 @44050 has 175 MA's), (Start: 128 @44059 has 11 MA's), (157, 44140), (176, 44194), (180, 44209),

Gene: SunnyJune_47 Start: 33718, Stop: 34011, Start Num: 108

Candidate Starts for SunnyJune_47:

(76, 33658), (Start: 108 @33718 has 6 MA's), (134, 33769), (138, 33784), (156, 33832), (176, 33886), (179, 33898), (183, 33907), (223, 33991),

Gene: Sunshine924_67 Start: 41911, Stop: 41645, Start Num: 85

Candidate Starts for Sunshine924_67:

(Start: 84 @41914 has 30 MA's), (Start: 85 @41911 has 118 MA's), (Start: 92 @41899 has 4 MA's), (Start: 128 @41878 has 11 MA's), (148, 41812), (160, 41791), (171, 41761), (179, 41731), (212, 41656),

Gene: SuperHands_41 Start: 28766, Stop: 29023, Start Num: 118

Candidate Starts for SuperHands_41:

(Start: 118 @28766 has 20 MA's), (137, 28820), (183, 28946), (198, 28958), (202, 28970),

Gene: Superchunk_56 Start: 36944, Stop: 36672, Start Num: 86

Candidate Starts for Superchunk_56:

(Start: 86 @36944 has 127 MA's), (Start: 128 @36917 has 11 MA's), (173, 36794), (176, 36782),

Gene: Superphikiman_51 Start: 40814, Stop: 41053, Start Num: 128

Candidate Starts for Superphikiman_51:

(Start: 128 @40814 has 11 MA's), (135, 40841), (157, 40895), (158, 40898), (179, 40955), (195, 40991),

Gene: Sweetclover_51 Start: 33033, Stop: 33266, Start Num: 121

Candidate Starts for Sweetclover_51:
(60, 32928), (Start: 121 @33033 has 23 MA's), (142, 33096), (171, 33168),

Gene: SweetiePie_58 Start: 38635, Stop: 38363, Start Num: 86
Candidate Starts for SweetiePie_58:
(Start: 86 @38635 has 127 MA's), (Start: 118 @38626 has 20 MA's), (Start: 127 @38614 has 5 MA's),
(Start: 128 @38608 has 11 MA's),

Gene: SwirlSquare_61 Start: 37866, Stop: 37594, Start Num: 86
Candidate Starts for SwirlSquare_61:
(Start: 86 @37866 has 127 MA's), (Start: 128 @37839 has 11 MA's), (142, 37791), (167, 37734), (182,
37686), (194, 37668),

Gene: SwissCheezer_9 Start: 6356, Stop: 6036, Start Num: 115
Candidate Starts for SwissCheezer_9:
(61, 6446), (Start: 115 @6356 has 53 MA's), (133, 6305), (137, 6290), (149, 6242), (192, 6101),

Gene: Switzerland_63 Start: 37766, Stop: 37497, Start Num: 112
Candidate Starts for Switzerland_63:
(10, 38210), (15, 38108), (Start: 112 @37766 has 27 MA's), (182, 37589),

Gene: Swole_63 Start: 41087, Stop: 40812, Start Num: 85
Candidate Starts for Swole_63:
(Start: 84 @41090 has 30 MA's), (Start: 85 @41087 has 118 MA's), (Start: 92 @41075 has 4 MA's),
(Start: 128 @41045 has 11 MA's), (142, 40994), (148, 40979), (160, 40958), (171, 40928), (179,
40898),

Gene: Syleon_115 Start: 63553, Stop: 63789, Start Num: 115
Candidate Starts for Syleon_115:
(Start: 115 @63553 has 53 MA's), (Start: 128 @63568 has 11 MA's), (148, 63631), (167, 63673), (171,
63682), (180, 63715), (200, 63757),

Gene: Syra333_70 Start: 43764, Stop: 44003, Start Num: 125
Candidate Starts for Syra333_70:
(71, 43680), (Start: 125 @43764 has 175 MA's), (Start: 128 @43773 has 11 MA's), (157, 43854), (176,
43908), (180, 43923),

Gene: TBond007_64 Start: 43622, Stop: 43864, Start Num: 120
Candidate Starts for TBond007_64:
(Start: 120 @43622 has 24 MA's), (134, 43655), (157, 43712), (167, 43739), (177, 43772), (180,
43784),

Gene: TBrady12_39 Start: 33125, Stop: 33370, Start Num: 122
Candidate Starts for TBrady12_39:
(Start: 122 @33125 has 241 MA's), (141, 33182), (157, 33215), (160, 33221), (178, 33275), (182,
33287),

Gene: TClif_68 Start: 43725, Stop: 43964, Start Num: 125
Candidate Starts for TClif_68:
(Start: 125 @43725 has 175 MA's), (Start: 128 @43734 has 11 MA's), (157, 43815), (180, 43884),
(205, 43932),

Gene: TM4_67 Start: 40730, Stop: 40975, Start Num: 125

Candidate Starts for TM4_67:

(4, 39989), (72, 40673), (76, 40679), (Start: 125 @40730 has 175 MA's), (157, 40820), (180, 40889), (195, 40913), (216, 40967),

Gene: TMaxx_3 Start: 937, Stop: 1194, Start Num: 122

Candidate Starts for TMaxx_3:

(63, 838), (70, 850), (Start: 122 @937 has 241 MA's),

Gene: TZGordon_64 Start: 38982, Stop: 39206, Start Num: 125

Candidate Starts for TZGordon_64:

(Start: 125 @38982 has 175 MA's), (137, 39024), (157, 39069), (164, 39078), (178, 39129), (180, 39138),

Gene: Tachez_66 Start: 43467, Stop: 43709, Start Num: 125

Candidate Starts for Tachez_66:

(Start: 125 @43467 has 175 MA's), (157, 43557), (195, 43653), (205, 43677),

Gene: Tailonex_48 Start: 37705, Stop: 37427, Start Num: 108

Candidate Starts for Tailonex_48:

(Start: 108 @37705 has 6 MA's), (141, 37630), (195, 37504),

Gene: TaiwanKao_69 Start: 44172, Stop: 44417, Start Num: 125

Candidate Starts for TaiwanKao_69:

(Start: 125 @44172 has 175 MA's), (157, 44262), (195, 44358), (215, 44409),

Gene: Talia1610_108 Start: 86506, Stop: 86754, Start Num: 122

Candidate Starts for Talia1610_108:

(Start: 122 @86506 has 241 MA's), (Start: 127 @86512 has 5 MA's), (Start: 128 @86518 has 11 MA's),

Gene: Tallboi_33 Start: 25971, Stop: 26237, Start Num: 101

Candidate Starts for Tallboi_33:

(18, 25716), (27, 25752), (Start: 101 @25971 has 4 MA's), (180, 26154),

Gene: Tapioca_52 Start: 34891, Stop: 35139, Start Num: 116

Candidate Starts for Tapioca_52:

(Start: 116 @34891 has 37 MA's), (Start: 127 @34903 has 5 MA's), (179, 35053), (180, 35056), (218, 35131),

Gene: Target_64 Start: 41123, Stop: 40848, Start Num: 85

Candidate Starts for Target_64:

(Start: 84 @41126 has 30 MA's), (Start: 85 @41123 has 118 MA's), (Start: 92 @41111 has 4 MA's), (Start: 128 @41081 has 11 MA's), (142, 41030), (148, 41015), (160, 40994), (171, 40964), (179, 40934), (212, 40859),

Gene: Tarkin_39 Start: 34124, Stop: 34369, Start Num: 122

Candidate Starts for Tarkin_39:

(Start: 122 @34124 has 241 MA's), (141, 34181), (157, 34214), (160, 34220), (178, 34274), (182, 34286),

Gene: Tbone_32 Start: 24550, Stop: 24816, Start Num: 105

Candidate Starts for Tbone_32:

(18, 24292), (27, 24328), (Start: 105 @24550 has 27 MA's), (180, 24733),

Gene: TeamEdward_37 Start: 33306, Stop: 33551, Start Num: 122
Candidate Starts for TeamEdward_37:
(Start: 122 @33306 has 241 MA's), (141, 33363), (157, 33396), (160, 33402), (178, 33456), (182, 33468),

Gene: TeardropMSU_36 Start: 33035, Stop: 33280, Start Num: 122
Candidate Starts for TeardropMSU_36:
(Start: 122 @33035 has 241 MA's), (141, 33092), (157, 33125), (160, 33131), (178, 33185), (182, 33197),

Gene: Teaspoon_38 Start: 33088, Stop: 33333, Start Num: 122
Candidate Starts for Teaspoon_38:
(Start: 122 @33088 has 241 MA's), (141, 33145), (157, 33178), (160, 33184), (178, 33238), (182, 33250),

Gene: Teejan_57 Start: 43554, Stop: 43799, Start Num: 125
Candidate Starts for Teejan_57:
(69, 43482), (Start: 125 @43554 has 175 MA's), (165, 43659), (177, 43701), (195, 43737),

Gene: Teodoridan_60 Start: 40295, Stop: 40029, Start Num: 85
Candidate Starts for Teodoridan_60:
(Start: 85 @40295 has 118 MA's), (Start: 92 @40283 has 4 MA's), (Start: 128 @40262 has 11 MA's), (142, 40211), (148, 40196), (160, 40175), (171, 40145), (179, 40115),

Gene: Terminus_37 Start: 33222, Stop: 33467, Start Num: 122
Candidate Starts for Terminus_37:
(Start: 122 @33222 has 241 MA's), (141, 33279), (157, 33312), (160, 33318), (178, 33372), (182, 33384),

Gene: Tessdabest_51 Start: 34922, Stop: 35170, Start Num: 116
Candidate Starts for Tessdabest_51:
(12, 34508), (28, 34715), (31, 34748), (66, 34844), (Start: 116 @34922 has 37 MA's), (Start: 127 @34934 has 5 MA's), (Start: 128 @34940 has 11 MA's), (157, 35018), (179, 35084), (180, 35087),

Gene: TforTroy_34 Start: 25368, Stop: 25634, Start Num: 105
Candidate Starts for TforTroy_34:
(Start: 105 @25368 has 27 MA's), (180, 25551),

Gene: Thibault_45 Start: 41387, Stop: 41626, Start Num: 128
Candidate Starts for Thibault_45:
(Start: 128 @41387 has 11 MA's), (135, 41414), (157, 41468), (158, 41471), (179, 41528), (195, 41564),

Gene: Thimble_37 Start: 32085, Stop: 32330, Start Num: 122
Candidate Starts for Thimble_37:
(Start: 122 @32085 has 241 MA's), (141, 32142), (157, 32175), (160, 32181), (178, 32235), (182, 32247),

Gene: ThirteenKH_9 Start: 6080, Stop: 5724, Start Num: 115
Candidate Starts for ThirteenKH_9:
(Start: 115 @6080 has 53 MA's), (Start: 130 @6041 has 9 MA's), (134, 6026), (162, 5930), (193, 5813), (208, 5774),

Gene: Thonko_81 Start: 61339, Stop: 61569, Start Num: 128
Candidate Starts for Thonko_81:
(55, 61228), (99, 61303), (Start: 128 @61339 has 11 MA's), (182, 61489),

Gene: Thor_61 Start: 40522, Stop: 40256, Start Num: 85
Candidate Starts for Thor_61:
(Start: 84 @40525 has 30 MA's), (Start: 85 @40522 has 118 MA's), (Start: 92 @40510 has 4 MA's),
(Start: 105 @40495 has 27 MA's), (Start: 128 @40489 has 11 MA's), (142, 40438), (148, 40423), (160,
40402), (171, 40372), (179, 40342), (212, 40267),

Gene: ThreeRngTarjay_50 Start: 44296, Stop: 44541, Start Num: 122
Candidate Starts for ThreeRngTarjay_50:
(Start: 122 @44296 has 241 MA's), (142, 44359), (157, 44389), (158, 44392), (180, 44452), (182,
44455), (183, 44458),

Gene: Thresher_38 Start: 33889, Stop: 34134, Start Num: 122
Candidate Starts for Thresher_38:
(Start: 122 @33889 has 241 MA's), (141, 33946), (157, 33979), (160, 33985), (178, 34039), (182,
34051),

Gene: ThursdayNight_37 Start: 26453, Stop: 26713, Start Num: 93
Candidate Starts for ThursdayNight_37:
(23, 26240), (27, 26249), (93, 26453), (180, 26624),

Gene: Thyatira_63 Start: 44764, Stop: 45012, Start Num: 125
Candidate Starts for Thyatira_63:
(Start: 125 @44764 has 175 MA's), (148, 44839), (177, 44911), (187, 44935),

Gene: Tian_33 Start: 26378, Stop: 26620, Start Num: 106
Candidate Starts for Tian_33:
(Start: 106 @26378 has 5 MA's),

Gene: TicTac_9 Start: 6319, Stop: 5996, Start Num: 115
Candidate Starts for TicTac_9:
(33, 6487), (50, 6436), (Start: 115 @6319 has 53 MA's), (133, 6268), (137, 6253), (149, 6205), (177,
6097), (203, 6049), (208, 6031),

Gene: Tierra_70 Start: 44265, Stop: 44504, Start Num: 125
Candidate Starts for Tierra_70:
(71, 44181), (Start: 125 @44265 has 175 MA's), (Start: 128 @44274 has 11 MA's), (157, 44355), (176,
44409),

Gene: Tigress9_71 Start: 44081, Stop: 44320, Start Num: 125
Candidate Starts for Tigress9_71:
(71, 43997), (Start: 125 @44081 has 175 MA's), (Start: 128 @44090 has 11 MA's), (157, 44171), (176,
44225), (180, 44240),

Gene: Timothy_57 Start: 37302, Stop: 37030, Start Num: 86
Candidate Starts for Timothy_57:
(Start: 86 @37302 has 127 MA's), (Start: 118 @37293 has 20 MA's), (182, 37122),

Gene: TinaLin_62 Start: 38825, Stop: 39049, Start Num: 125

Candidate Starts for TinaLin_62:

(Start: 125 @38825 has 175 MA's), (137, 38867), (157, 38912), (164, 38921), (178, 38972), (180, 38981), (194, 39002),

Gene: TingHuaYa_70 Start: 43428, Stop: 43676, Start Num: 125

Candidate Starts for TingHuaYa_70:

(Start: 125 @43428 has 175 MA's), (157, 43518), (195, 43614), (205, 43638),

Gene: TiniBug_67 Start: 44358, Stop: 44600, Start Num: 125

Candidate Starts for TiniBug_67:

(Start: 125 @44358 has 175 MA's), (157, 44448), (195, 44544), (205, 44568),

Gene: TinyTimmy_57 Start: 37351, Stop: 37079, Start Num: 86

Candidate Starts for TinyTimmy_57:

(Start: 86 @37351 has 127 MA's), (Start: 118 @37342 has 20 MA's), (182, 37171),

Gene: TinyTimothy_9 Start: 6219, Stop: 5899, Start Num: 115

Candidate Starts for TinyTimothy_9:

(Start: 115 @6219 has 53 MA's), (Start: 130 @6180 has 9 MA's), (133, 6168), (176, 6000), (208, 5931),

Gene: TipsytheTRex_54 Start: 37698, Stop: 37426, Start Num: 86

Candidate Starts for TipsytheTRex_54:

(48, 37770), (53, 37758), (Start: 86 @37698 has 127 MA's), (Start: 127 @37677 has 5 MA's), (Start: 128 @37671 has 11 MA's), (173, 37548), (176, 37536),

Gene: Tiri_67 Start: 43756, Stop: 43998, Start Num: 125

Candidate Starts for Tiri_67:

(Start: 125 @43756 has 175 MA's), (137, 43801), (157, 43846), (195, 43942),

Gene: Toaka_58 Start: 38206, Stop: 37934, Start Num: 86

Candidate Starts for Toaka_58:

(Start: 86 @38206 has 127 MA's), (Start: 118 @38197 has 20 MA's), (173, 38056), (178, 38038),

Gene: Tomaszewski_36 Start: 32732, Stop: 32977, Start Num: 122

Candidate Starts for Tomaszewski_36:

(Start: 122 @32732 has 241 MA's), (141, 32789), (157, 32822), (160, 32828), (176, 32876), (178, 32882), (182, 32894),

Gene: Tomathan_60 Start: 38318, Stop: 38046, Start Num: 86

Candidate Starts for Tomathan_60:

(Start: 86 @38318 has 127 MA's), (Start: 118 @38309 has 20 MA's), (156, 38216), (182, 38138), (208, 38084),

Gene: Toniann_125 Start: 71160, Stop: 71450, Start Num: 113

Candidate Starts for Toniann_125:

(54, 71052), (62, 71067), (Start: 84 @71112 has 30 MA's), (Start: 113 @71160 has 23 MA's), (134, 71205), (179, 71334),

Gene: Topper_66 Start: 43622, Stop: 43864, Start Num: 125

Candidate Starts for Topper_66:

(Start: 125 @43622 has 175 MA's), (157, 43712), (195, 43808), (205, 43832),

Gene: Torres_58 Start: 43555, Stop: 43800, Start Num: 125

Candidate Starts for Torres_58:

(69, 43483), (Start: 125 @43555 has 175 MA's), (165, 43660), (177, 43702), (195, 43738),

Gene: Tortoise12_49 Start: 33608, Stop: 33856, Start Num: 116

Candidate Starts for Tortoise12_49:

(12, 33194), (28, 33401), (31, 33434), (66, 33530), (Start: 116 @33608 has 37 MA's), (Start: 127 @33620 has 5 MA's), (Start: 128 @33626 has 11 MA's), (157, 33704), (179, 33770), (180, 33773),

Gene: Tote_58 Start: 38354, Stop: 38079, Start Num: 85

Candidate Starts for Tote_58:

(Start: 84 @38357 has 30 MA's), (Start: 85 @38354 has 118 MA's), (Start: 92 @38342 has 4 MA's), (Start: 128 @38312 has 11 MA's), (142, 38261), (148, 38246), (160, 38225), (171, 38195), (179, 38165),

Gene: Toto_37 Start: 33135, Stop: 33380, Start Num: 122

Candidate Starts for Toto_37:

(Start: 122 @33135 has 241 MA's), (141, 33192), (157, 33225), (160, 33231), (178, 33285), (182, 33297),

Gene: Tourach_32 Start: 28413, Stop: 28679, Start Num: 122

Candidate Starts for Tourach_32:

(Start: 122 @28413 has 241 MA's), (136, 28458), (158, 28509), (212, 28647), (221, 28668),

Gene: Towmatter_75 Start: 53043, Stop: 52786, Start Num: 111

Candidate Starts for Towmatter_75:

(82, 53094), (87, 53079), (93, 53070), (95, 53067), (Start: 111 @53043 has 18 MA's), (180, 52872),

Gene: TpudiCK_41 Start: 32779, Stop: 33039, Start Num: 117

Candidate Starts for TpudiCK_41:

(46, 32650), (Start: 104 @32761 has 14 MA's), (Start: 117 @32779 has 4 MA's), (142, 32842), (177, 32929), (179, 32938), (183, 32947),

Gene: Traaww1_35 Start: 32773, Stop: 33018, Start Num: 122

Candidate Starts for Traaww1_35:

(Start: 122 @32773 has 241 MA's), (141, 32830), (157, 32863), (160, 32869), (178, 32923), (182, 32935),

Gene: Traft412_64 Start: 41743, Stop: 41486, Start Num: 94

Candidate Starts for Traft412_64:

(Start: 94 @41743 has 10 MA's), (Start: 127 @41725 has 5 MA's), (Start: 128 @41719 has 11 MA's), (142, 41668), (148, 41653), (160, 41632), (171, 41602), (179, 41572),

Gene: Travvers_60 Start: 38268, Stop: 37996, Start Num: 86

Candidate Starts for Travvers_60:

(Start: 86 @38268 has 127 MA's), (Start: 118 @38259 has 20 MA's), (156, 38166), (182, 38088), (208, 38034),

Gene: Trax_113 Start: 64896, Stop: 65138, Start Num: 115

Candidate Starts for Trax_113:

(80, 64836), (Start: 115 @64896 has 53 MA's), (155, 64989), (156, 64992), (157, 64995), (171, 65031), (179, 65061), (200, 65106),

Gene: Treddle_63 Start: 42567, Stop: 42298, Start Num: 84

Candidate Starts for Treddle_63:

(Start: 84 @42567 has 30 MA's), (Start: 85 @42564 has 118 MA's), (Start: 92 @42552 has 4 MA's),
(Start: 128 @42531 has 11 MA's), (142, 42480), (148, 42465), (160, 42444), (167, 42423), (171,
42414), (179, 42384),

Gene: TreyKay_68 Start: 44110, Stop: 44352, Start Num: 125

Candidate Starts for TreyKay_68:

(Start: 125 @44110 has 175 MA's), (157, 44200), (195, 44296),

Gene: TriFive_31 Start: 28784, Stop: 29050, Start Num: 122

Candidate Starts for TriFive_31:

(Start: 122 @28784 has 241 MA's), (Start: 128 @28796 has 11 MA's), (136, 28829),

Gene: TribbleTrouble_68 Start: 44625, Stop: 44867, Start Num: 120

Candidate Starts for TribbleTrouble_68:

(Start: 120 @44625 has 24 MA's), (134, 44658), (157, 44715), (180, 44787),

Gene: Trice_55 Start: 40942, Stop: 41187, Start Num: 125

Candidate Starts for Trice_55:

(69, 40870), (Start: 125 @40942 has 175 MA's), (165, 41047), (177, 41089), (195, 41125),

Gene: Tripl3t_65 Start: 43651, Stop: 43394, Start Num: 94

Candidate Starts for Tripl3t_65:

(Start: 94 @43651 has 10 MA's), (Start: 127 @43633 has 5 MA's), (Start: 128 @43627 has 11 MA's),
(142, 43576), (148, 43561), (160, 43540), (171, 43510), (179, 43480), (212, 43405),

Gene: TripleC_6 Start: 4398, Stop: 4658, Start Num: 121

Candidate Starts for TripleC_6:

(Start: 121 @4398 has 23 MA's), (Start: 125 @4404 has 175 MA's), (152, 4488), (217, 4617),

Gene: TrippleS_9 Start: 6080, Stop: 5724, Start Num: 115

Candidate Starts for TrippleS_9:

(Start: 115 @6080 has 53 MA's), (Start: 130 @6041 has 9 MA's), (134, 6026), (162, 5930), (193, 5813),
(208, 5774),

Gene: Trouble_63 Start: 41668, Stop: 41399, Start Num: 84

Candidate Starts for Trouble_63:

(Start: 84 @41668 has 30 MA's), (Start: 85 @41665 has 118 MA's), (Start: 92 @41653 has 4 MA's),
(Start: 128 @41632 has 11 MA's), (148, 41566), (160, 41545), (167, 41524), (171, 41515), (179,
41485),

Gene: TruffulaTree_67 Start: 43916, Stop: 44158, Start Num: 125

Candidate Starts for TruffulaTree_67:

(Start: 125 @43916 has 175 MA's), (157, 44006), (195, 44102), (205, 44126),

Gene: Truong_9 Start: 6089, Stop: 5751, Start Num: 115

Candidate Starts for Truong_9:

(52, 6161), (Start: 115 @6089 has 53 MA's), (Start: 130 @6050 has 9 MA's), (147, 5978), (162, 5939),
(210, 5798),

Gene: Tubs_58 Start: 38225, Stop: 37953, Start Num: 86

Candidate Starts for Tubs_58:

(Start: 86 @38225 has 127 MA's), (Start: 118 @38216 has 20 MA's), (139, 38159), (156, 38123), (170, 38084), (178, 38057), (182, 38045),

Gene: Tuck_36 Start: 27187, Stop: 27453, Start Num: 105
Candidate Starts for Tuck_36:
(18, 26950), (21, 26959), (Start: 105 @27187 has 27 MA's),

Gene: Tuco_38 Start: 33643, Stop: 33888, Start Num: 122
Candidate Starts for Tuco_38:
(Start: 122 @33643 has 241 MA's), (141, 33700), (157, 33733), (160, 33739), (178, 33793), (182, 33805),

Gene: Turab_32 Start: 24438, Stop: 24704, Start Num: 101
Candidate Starts for Turab_32:
(7, 23982), (18, 24183), (27, 24219), (Start: 101 @24438 has 4 MA's), (180, 24621),

Gene: Turbido_59 Start: 38719, Stop: 38447, Start Num: 86
Candidate Starts for Turbido_59:
(Start: 86 @38719 has 127 MA's), (Start: 118 @38710 has 20 MA's), (Start: 127 @38698 has 5 MA's),
(Start: 128 @38692 has 11 MA's),

Gene: Turj99_60 Start: 42063, Stop: 41797, Start Num: 85
Candidate Starts for Turj99_60:
(Start: 84 @42066 has 30 MA's), (Start: 85 @42063 has 118 MA's), (Start: 92 @42051 has 4 MA's),
(Start: 105 @42036 has 27 MA's), (Start: 128 @42030 has 11 MA's), (142, 41979), (148, 41964), (160, 41943), (171, 41913), (179, 41883), (212, 41808),

Gene: Tutumahutu_33 Start: 24722, Stop: 24988, Start Num: 105
Candidate Starts for Tutumahutu_33:
(18, 24464), (27, 24500), (Start: 105 @24722 has 27 MA's), (180, 24905),

Gene: Tweety19_33 Start: 23630, Stop: 23896, Start Num: 88
Candidate Starts for Tweety19_33:
(22, 23420), (26, 23429), (Start: 88 @23630 has 2 MA's), (180, 23813),

Gene: Twitch_66 Start: 43624, Stop: 43866, Start Num: 125
Candidate Starts for Twitch_66:
(Start: 125 @43624 has 175 MA's), (157, 43714), (195, 43810), (205, 43834),

Gene: TwoPeat_63 Start: 41915, Stop: 41649, Start Num: 85
Candidate Starts for TwoPeat_63:
(Start: 84 @41918 has 30 MA's), (Start: 85 @41915 has 118 MA's), (Start: 92 @41903 has 4 MA's),
(Start: 127 @41888 has 5 MA's), (Start: 128 @41882 has 11 MA's), (142, 41831), (148, 41816), (160, 41795), (171, 41765), (179, 41735),

Gene: TyDawg_39 Start: 32762, Stop: 33040, Start Num: 104
Candidate Starts for TyDawg_39:
(46, 32651), (Start: 104 @32762 has 14 MA's), (Start: 117 @32780 has 4 MA's), (142, 32843), (177, 32930), (179, 32939), (183, 32948),

Gene: Ugenie5_55 Start: 38510, Stop: 38238, Start Num: 86
Candidate Starts for Ugenie5_55:

(Start: 86 @38510 has 127 MA's), (Start: 118 @38501 has 20 MA's), (139, 38444), (156, 38408), (170, 38369), (178, 38342), (182, 38330),

Gene: Ukulele_37 Start: 32893, Stop: 33138, Start Num: 122

Candidate Starts for Ukulele_37:

(Start: 122 @32893 has 241 MA's), (141, 32950), (157, 32983), (160, 32989), (178, 33043), (182, 33055),

Gene: Underpass_32 Start: 28424, Stop: 28690, Start Num: 122

Candidate Starts for Underpass_32:

(Start: 122 @28424 has 241 MA's), (136, 28469), (158, 28520), (183, 28586), (212, 28658), (221, 28679),

Gene: Unicorn_68 Start: 43391, Stop: 43630, Start Num: 125

Candidate Starts for Unicorn_68:

(Start: 125 @43391 has 175 MA's), (Start: 128 @43400 has 11 MA's), (157, 43481), (180, 43550),

Gene: Unphazed_9 Start: 6368, Stop: 6045, Start Num: 115

Candidate Starts for Unphazed_9:

(Start: 115 @6368 has 53 MA's), (133, 6317), (143, 6272), (149, 6254), (176, 6149), (203, 6098),

Gene: Urkel_67 Start: 44362, Stop: 44604, Start Num: 125

Candidate Starts for Urkel_67:

(Start: 125 @44362 has 175 MA's), (157, 44452), (195, 44548), (205, 44572),

Gene: UtzChips_41 Start: 26893, Stop: 27153, Start Num: 118

Candidate Starts for UtzChips_41:

(44, 26767), (Start: 118 @26893 has 20 MA's),

Gene: VC3_61 Start: 38705, Stop: 38394, Start Num: 64

Candidate Starts for VC3_61:

(Start: 64 @38705 has 4 MA's), (Start: 86 @38666 has 127 MA's), (Start: 118 @38657 has 20 MA's), (156, 38564), (173, 38516), (182, 38486),

Gene: VResidence_33 Start: 24693, Stop: 24935, Start Num: 122

Candidate Starts for VResidence_33:

(Start: 122 @24693 has 241 MA's), (140, 24747), (182, 24855),

Gene: Validus_71 Start: 44494, Stop: 44733, Start Num: 124

Candidate Starts for Validus_71:

(Start: 124 @44494 has 6 MA's), (157, 44584), (176, 44638),

Gene: Vanisoa_58 Start: 39326, Stop: 39054, Start Num: 86

Candidate Starts for Vanisoa_58:

(Start: 86 @39326 has 127 MA's), (Start: 118 @39317 has 20 MA's), (139, 39260), (156, 39224), (173, 39176), (182, 39146), (187, 39137),

Gene: Veliki_68 Start: 43889, Stop: 44131, Start Num: 125

Candidate Starts for Veliki_68:

(Start: 125 @43889 has 175 MA's), (157, 43979), (195, 44075), (205, 44099),

Gene: Vendetta_63 Start: 40094, Stop: 40318, Start Num: 125

Candidate Starts for Vendetta_63:

(Start: 125 @40094 has 175 MA's), (137, 40136), (157, 40181), (164, 40190), (178, 40241), (180, 40250),

Gene: Vetrix_32 Start: 28428, Stop: 28694, Start Num: 122

Candidate Starts for Vetrix_32:

(Start: 122 @28428 has 241 MA's), (136, 28473), (158, 28524), (183, 28590), (212, 28662), (221, 28683),

Gene: Vibaki_39 Start: 33279, Stop: 33614, Start Num: 97

Candidate Starts for Vibaki_39:

(Start: 97 @33279 has 2 MA's), (Start: 108 @33294 has 6 MA's), (182, 33507), (183, 33510), (220, 33585),

Gene: Violet_60 Start: 42922, Stop: 42656, Start Num: 85

Candidate Starts for Violet_60:

(Start: 84 @42925 has 30 MA's), (Start: 85 @42922 has 118 MA's), (Start: 92 @42910 has 4 MA's), (Start: 128 @42889 has 11 MA's), (142, 42838), (148, 42823), (160, 42802), (171, 42772), (179, 42742),

Gene: Vitus_40 Start: 32270, Stop: 32614, Start Num: 97

Candidate Starts for Vitus_40:

(14, 31940), (Start: 97 @32270 has 2 MA's), (Start: 108 @32285 has 6 MA's), (138, 32351), (148, 32381), (163, 32438), (178, 32492), (182, 32504), (220, 32582),

Gene: ViviJ_59 Start: 40530, Stop: 40778, Start Num: 125

Candidate Starts for ViviJ_59:

(Start: 125 @40530 has 175 MA's), (172, 40662), (180, 40692), (201, 40725),

Gene: VroomVroom_39 Start: 26557, Stop: 26892, Start Num: 98

Candidate Starts for VroomVroom_39:

(Start: 98 @26557 has 6 MA's), (182, 26749),

Gene: WaddleDee_95 Start: 82115, Stop: 82375, Start Num: 122

Candidate Starts for WaddleDee_95:

(Start: 122 @82115 has 241 MA's), (203, 82304), (215, 82334), (217, 82337),

Gene: Waits_64 Start: 37663, Stop: 37394, Start Num: 112

Candidate Starts for Waits_64:

(10, 38107), (11, 38083), (15, 38005), (Start: 112 @37663 has 27 MA's), (182, 37486),

Gene: Wanda_58 Start: 44007, Stop: 44255, Start Num: 122

Candidate Starts for Wanda_58:

(Start: 122 @44007 has 241 MA's), (174, 44139),

Gene: Warda_33 Start: 24726, Stop: 24992, Start Num: 105

Candidate Starts for Warda_33:

(18, 24468), (27, 24504), (Start: 105 @24726 has 27 MA's), (180, 24909),

Gene: Warrior24_66 Start: 38097, Stop: 37828, Start Num: 112

Candidate Starts for Warrior24_66:

(Start: 112 @38097 has 27 MA's), (182, 37920),

Gene: WaterT_52 Start: 33281, Stop: 33520, Start Num: 127

Candidate Starts for WaterT_52:

(Start: 127 @33281 has 5 MA's), (142, 33338), (156, 33365), (160, 33374),

Gene: Waterfoul_62 Start: 42861, Stop: 43109, Start Num: 125

Candidate Starts for Waterfoul_62:

(Start: 125 @42861 has 175 MA's), (148, 42936), (177, 43008), (187, 43032),

Gene: Waterlily_9 Start: 6089, Stop: 5751, Start Num: 115

Candidate Starts for Waterlily_9:

(52, 6161), (Start: 115 @6089 has 53 MA's), (Start: 130 @6050 has 9 MA's), (147, 5978), (162, 5939), (168, 5897), (210, 5798),

Gene: Weiss13_40 Start: 36088, Stop: 36333, Start Num: 120

Candidate Starts for Weiss13_40:

(91, 36046), (Start: 120 @36088 has 24 MA's), (129, 36109), (134, 36130), (141, 36154), (142, 36157), (184, 36256), (186, 36259), (188, 36262),

Gene: Wesak_9 Start: 6219, Stop: 5899, Start Num: 115

Candidate Starts for Wesak_9:

(Start: 115 @6219 has 53 MA's), (Start: 130 @6180 has 9 MA's), (133, 6168), (134, 6165), (176, 6000), (208, 5931),

Gene: Whabigail7_59 Start: 38704, Stop: 38432, Start Num: 86

Candidate Starts for Whabigail7_59:

(Start: 86 @38704 has 127 MA's), (Start: 118 @38695 has 20 MA's), (Start: 127 @38683 has 5 MA's), (Start: 128 @38677 has 11 MA's), (173, 38554),

Gene: Wheeler_64 Start: 41819, Stop: 41544, Start Num: 85

Candidate Starts for Wheeler_64:

(Start: 85 @41819 has 118 MA's), (Start: 92 @41807 has 4 MA's), (142, 41726), (148, 41711), (160, 41690), (171, 41660), (179, 41630), (212, 41555),

Gene: Whirlwind_32 Start: 28525, Stop: 28791, Start Num: 122

Candidate Starts for Whirlwind_32:

(Start: 96 @28486 has 2 MA's), (Start: 122 @28525 has 241 MA's), (Start: 128 @28537 has 11 MA's), (136, 28570), (157, 28618),

Gene: Whitspit_58 Start: 39003, Stop: 38737, Start Num: 85

Candidate Starts for Whitspit_58:

(Start: 84 @39006 has 30 MA's), (Start: 85 @39003 has 118 MA's), (Start: 92 @38991 has 4 MA's), (Start: 128 @38970 has 11 MA's), (142, 38919), (148, 38904), (160, 38883), (171, 38853), (179, 38823), (212, 38748),

Gene: Wiggin_40 Start: 33639, Stop: 33884, Start Num: 122

Candidate Starts for Wiggin_40:

(Start: 122 @33639 has 241 MA's), (141, 33696), (157, 33729), (160, 33735), (178, 33789), (182, 33801),

Gene: Wigglewigggle_32 Start: 28454, Stop: 28720, Start Num: 122

Candidate Starts for Wigglewigggle_32:

(Start: 122 @28454 has 241 MA's), (136, 28499), (158, 28550), (183, 28616), (212, 28688), (221, 28709),

Gene: Wildcat_53 Start: 39356, Stop: 39604, Start Num: 122

Candidate Starts for Wildcat_53:

(Start: 122 @39356 has 241 MA's), (154, 39437), (171, 39485), (180, 39518), (182, 39521), (183, 39524), (195, 39557), (208, 39593),

Gene: Wilder_32 Start: 28427, Stop: 28693, Start Num: 122

Candidate Starts for Wilder_32:

(Start: 122 @28427 has 241 MA's), (136, 28472), (158, 28523), (183, 28589), (212, 28661), (221, 28682),

Gene: Wildwest_33 Start: 24524, Stop: 24790, Start Num: 105

Candidate Starts for Wildwest_33:

(18, 24266), (27, 24302), (Start: 105 @24524 has 27 MA's), (180, 24707),

Gene: Willez_36 Start: 32639, Stop: 32884, Start Num: 122

Candidate Starts for Willez_36:

(Start: 122 @32639 has 241 MA's), (141, 32696), (157, 32729), (160, 32735), (178, 32789), (182, 32801),

Gene: WilliamBoone_123 Start: 68402, Stop: 68692, Start Num: 113

Candidate Starts for WilliamBoone_123:

(73, 68330), (Start: 113 @68402 has 23 MA's), (179, 68576), (182, 68582),

Gene: Winky_32 Start: 28422, Stop: 28688, Start Num: 122

Candidate Starts for Winky_32:

(Start: 122 @28422 has 241 MA's), (136, 28467), (158, 28518), (183, 28584), (212, 28656), (221, 28677),

Gene: Wolpertinger_56 Start: 37334, Stop: 37062, Start Num: 86

Candidate Starts for Wolpertinger_56:

(Start: 86 @37334 has 127 MA's), (Start: 118 @37325 has 20 MA's), (182, 37154),

Gene: WorldCup_57 Start: 37992, Stop: 37720, Start Num: 86

Candidate Starts for WorldCup_57:

(Start: 86 @37992 has 127 MA's), (Start: 118 @37983 has 20 MA's), (139, 37926), (156, 37890), (173, 37842),

Gene: Xandras_39 Start: 33125, Stop: 33370, Start Num: 122

Candidate Starts for Xandras_39:

(Start: 122 @33125 has 241 MA's), (141, 33182), (157, 33215), (160, 33221), (178, 33275), (182, 33287),

Gene: Xerxes_50 Start: 34922, Stop: 35170, Start Num: 116

Candidate Starts for Xerxes_50:

(12, 34508), (28, 34715), (31, 34748), (66, 34844), (Start: 116 @34922 has 37 MA's), (Start: 127 @34934 has 5 MA's), (Start: 128 @34940 has 11 MA's), (157, 35018), (179, 35084), (180, 35087),

Gene: Xiaokay_47 Start: 41033, Stop: 41281, Start Num: 122

Candidate Starts for Xiaokay_47:

(Start: 122 @41033 has 241 MA's), (135, 41072), (157, 41126), (158, 41129), (179, 41186), (195, 41222), (212, 41270),

Gene: Ximenita_72 Start: 44093, Stop: 44332, Start Num: 125

Candidate Starts for Ximenita_72:

(71, 44009), (Start: 125 @44093 has 175 MA's), (Start: 128 @44102 has 11 MA's), (157, 44183), (180, 44252),

Gene: Xitlalli_9 Start: 6353, Stop: 6033, Start Num: 115

Candidate Starts for Xitlalli_9:

(61, 6443), (Start: 115 @6353 has 53 MA's), (133, 6302), (137, 6287), (149, 6239), (192, 6098),

Gene: Yafa_9 Start: 6095, Stop: 5739, Start Num: 115

Candidate Starts for Yafa_9:

(Start: 115 @6095 has 53 MA's), (Start: 130 @6056 has 9 MA's), (134, 6041), (162, 5945), (193, 5828), (208, 5789),

Gene: Yang_33 Start: 24867, Stop: 25133, Start Num: 105

Candidate Starts for Yang_33:

(18, 24609), (27, 24645), (Start: 105 @24867 has 27 MA's), (180, 25050),

Gene: Yappy_50 Start: 13369, Stop: 13620, Start Num: 98

Candidate Starts for Yappy_50:

(Start: 98 @13369 has 6 MA's), (Start: 122 @13402 has 241 MA's), (Start: 128 @13414 has 11 MA's), (137, 13447), (148, 13480),

Gene: YassJohnny_38 Start: 33650, Stop: 33895, Start Num: 122

Candidate Starts for YassJohnny_38:

(Start: 122 @33650 has 241 MA's), (141, 33707), (157, 33740), (160, 33746), (178, 33800), (182, 33812),

Gene: Yecey3_59 Start: 38093, Stop: 37821, Start Num: 86

Candidate Starts for Yecey3_59:

(Start: 86 @38093 has 127 MA's), (Start: 118 @38084 has 20 MA's), (139, 38027), (156, 37991), (173, 37943), (178, 37925),

Gene: Yeet_50 Start: 43428, Stop: 43673, Start Num: 122

Candidate Starts for Yeet_50:

(Start: 122 @43428 has 241 MA's), (142, 43491), (157, 43521), (158, 43524), (180, 43584), (182, 43587), (183, 43590),

Gene: YellowPanda_9 Start: 6219, Stop: 5899, Start Num: 115

Candidate Starts for YellowPanda_9:

(Start: 115 @6219 has 53 MA's), (Start: 130 @6180 has 9 MA's), (133, 6168), (134, 6165), (176, 6000), (208, 5931),

Gene: Yelo_40 Start: 36381, Stop: 36626, Start Num: 120

Candidate Starts for Yelo_40:

(91, 36339), (Start: 120 @36381 has 24 MA's), (129, 36402), (134, 36423), (142, 36450), (184, 36549), (186, 36552), (188, 36555), (209, 36606),

Gene: YesChef_33 Start: 24727, Stop: 24969, Start Num: 105

Candidate Starts for YesChef_33:

(Start: 105 @24727 has 27 MA's), (180, 24886),

Gene: Yotsuba_51 Start: 37228, Stop: 37476, Start Num: 121

Candidate Starts for Yotsuba_51:

(Start: 121 @37228 has 23 MA's), (156, 37327), (158, 37333), (179, 37387), (180, 37390), (183, 37396), (222, 37465),

Gene: Youngblood_37 Start: 33295, Stop: 33540, Start Num: 122

Candidate Starts for Youngblood_37:

(Start: 122 @33295 has 241 MA's), (141, 33352), (157, 33385), (160, 33391), (176, 33439), (178, 33445), (182, 33457),

Gene: YoureAdopted_66 Start: 44035, Stop: 44277, Start Num: 125

Candidate Starts for YoureAdopted_66:

(Start: 125 @44035 has 175 MA's), (157, 44125), (195, 44221), (205, 44245),

Gene: Yuna_71 Start: 45201, Stop: 45449, Start Num: 123

Candidate Starts for Yuna_71:

(74, 45129), (Start: 123 @45201 has 1 MA's), (157, 45291), (177, 45351), (205, 45411),

Gene: Yunkel11_71 Start: 43949, Stop: 44191, Start Num: 125

Candidate Starts for Yunkel11_71:

(69, 43871), (Start: 125 @43949 has 175 MA's), (195, 44135),

Gene: Yvonnetastic_129 Start: 73454, Stop: 73753, Start Num: 111

Candidate Starts for Yvonnetastic_129:

(Start: 111 @73454 has 18 MA's), (137, 73514), (154, 73556), (157, 73565), (171, 73601), (179, 73631),

Gene: Zabiza_61 Start: 39772, Stop: 40014, Start Num: 125

Candidate Starts for Zabiza_61:

(Start: 125 @39772 has 175 MA's), (157, 39862), (195, 39958), (205, 39982),

Gene: Zakai_32 Start: 28678, Stop: 28944, Start Num: 122

Candidate Starts for Zakai_32:

(Start: 122 @28678 has 241 MA's), (136, 28723), (183, 28840), (221, 28933),

Gene: Zavala_69 Start: 44194, Stop: 44436, Start Num: 125

Candidate Starts for Zavala_69:

(Start: 125 @44194 has 175 MA's), (157, 44284), (195, 44380), (205, 44404),

Gene: Zelink_53 Start: 45222, Stop: 45467, Start Num: 122

Candidate Starts for Zelink_53:

(Start: 122 @45222 has 241 MA's), (142, 45285), (157, 45315), (158, 45318), (180, 45378), (182, 45381), (183, 45384),

Gene: Zenon_41 Start: 36400, Stop: 36645, Start Num: 120

Candidate Starts for Zenon_41:

(91, 36358), (Start: 120 @36400 has 24 MA's), (129, 36421), (134, 36442), (142, 36469), (184, 36568), (186, 36571), (188, 36574), (209, 36625),

Gene: Zeta1847_35 Start: 25236, Stop: 25493, Start Num: 118

Candidate Starts for Zeta1847_35:

(1, 24102), (2, 24135), (3, 24270), (35, 25080), (Start: 118 @25236 has 20 MA's), (134, 25275),

Gene: Zeuska_67 Start: 44044, Stop: 43775, Start Num: 85

Candidate Starts for Zeuska_67:

(Start: 84 @44047 has 30 MA's), (Start: 85 @44044 has 118 MA's), (Start: 92 @44032 has 4 MA's),
(148, 43942), (160, 43921), (171, 43891), (179, 43861),

Gene: Zhengyi_9 Start: 6127, Stop: 5798, Start Num: 115

Candidate Starts for Zhengyi_9:

(Start: 115 @6127 has 53 MA's), (133, 6073), (162, 5974), (176, 5905), (186, 5881), (208, 5836),

Gene: Zimmer_55 Start: 39223, Stop: 38951, Start Num: 86

Candidate Starts for Zimmer_55:

(72, 39253), (Start: 86 @39223 has 127 MA's), (156, 39121), (173, 39073), (178, 39055), (182, 39043),

Gene: Zion_52 Start: 43958, Stop: 43662, Start Num: 130

Candidate Starts for Zion_52:

(Start: 130 @43958 has 9 MA's), (145, 43895), (176, 43781), (179, 43769), (195, 43736), (223, 43667),

Gene: ZoeJ_68 Start: 45471, Stop: 45716, Start Num: 125

Candidate Starts for ZoeJ_68:

(72, 45414), (76, 45420), (Start: 125 @45471 has 175 MA's), (157, 45561), (171, 45597), (180, 45630),

Gene: Zooman_185 Start: 110949, Stop: 110695, Start Num: 122

Candidate Starts for Zooman_185:

(90, 110997), (Start: 122 @110949 has 241 MA's),

Gene: xkcd_38 Start: 33304, Stop: 33549, Start Num: 122

Candidate Starts for xkcd_38:

(Start: 122 @33304 has 241 MA's), (141, 33361), (157, 33394), (160, 33400), (178, 33454), (182,
33466),