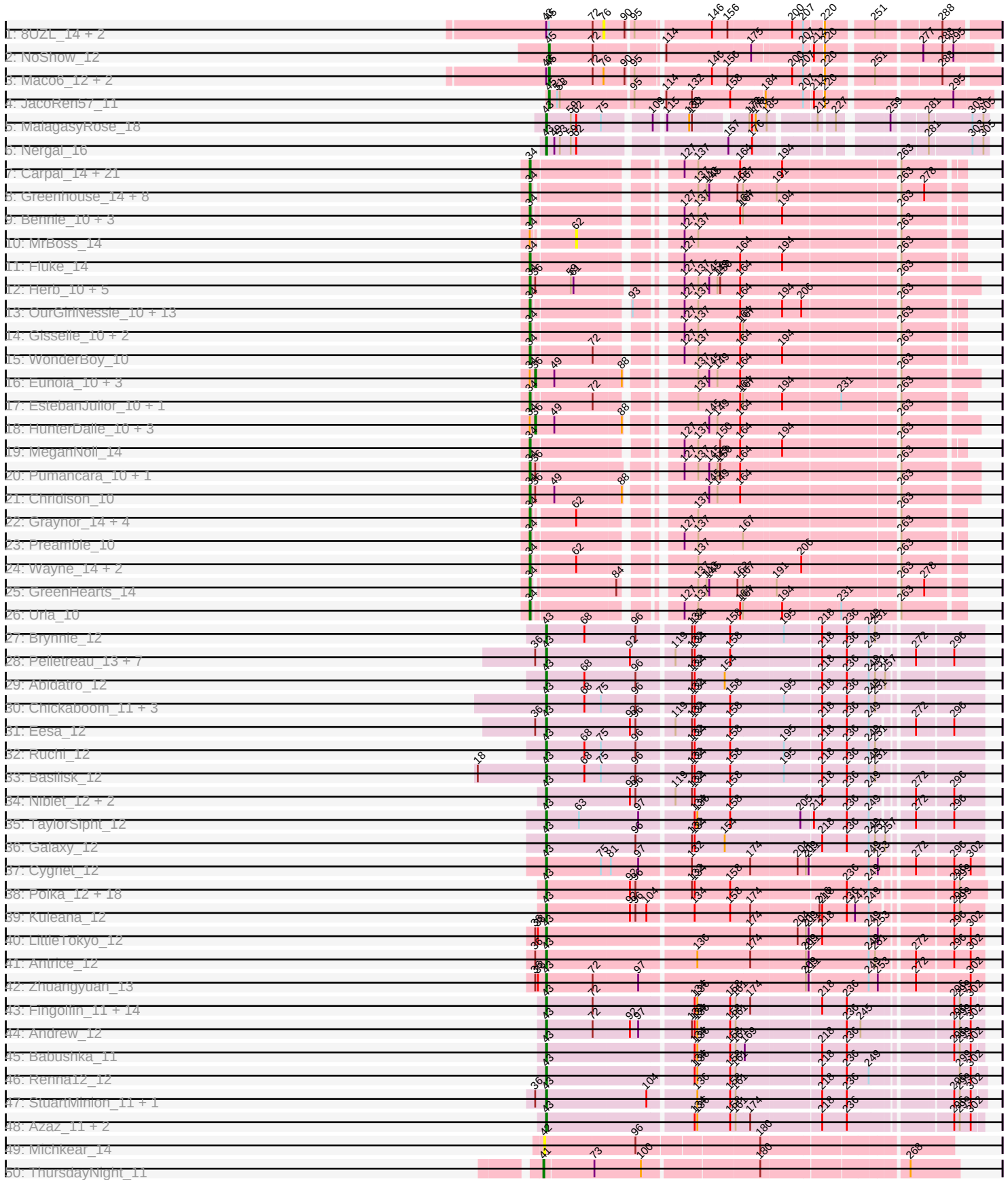
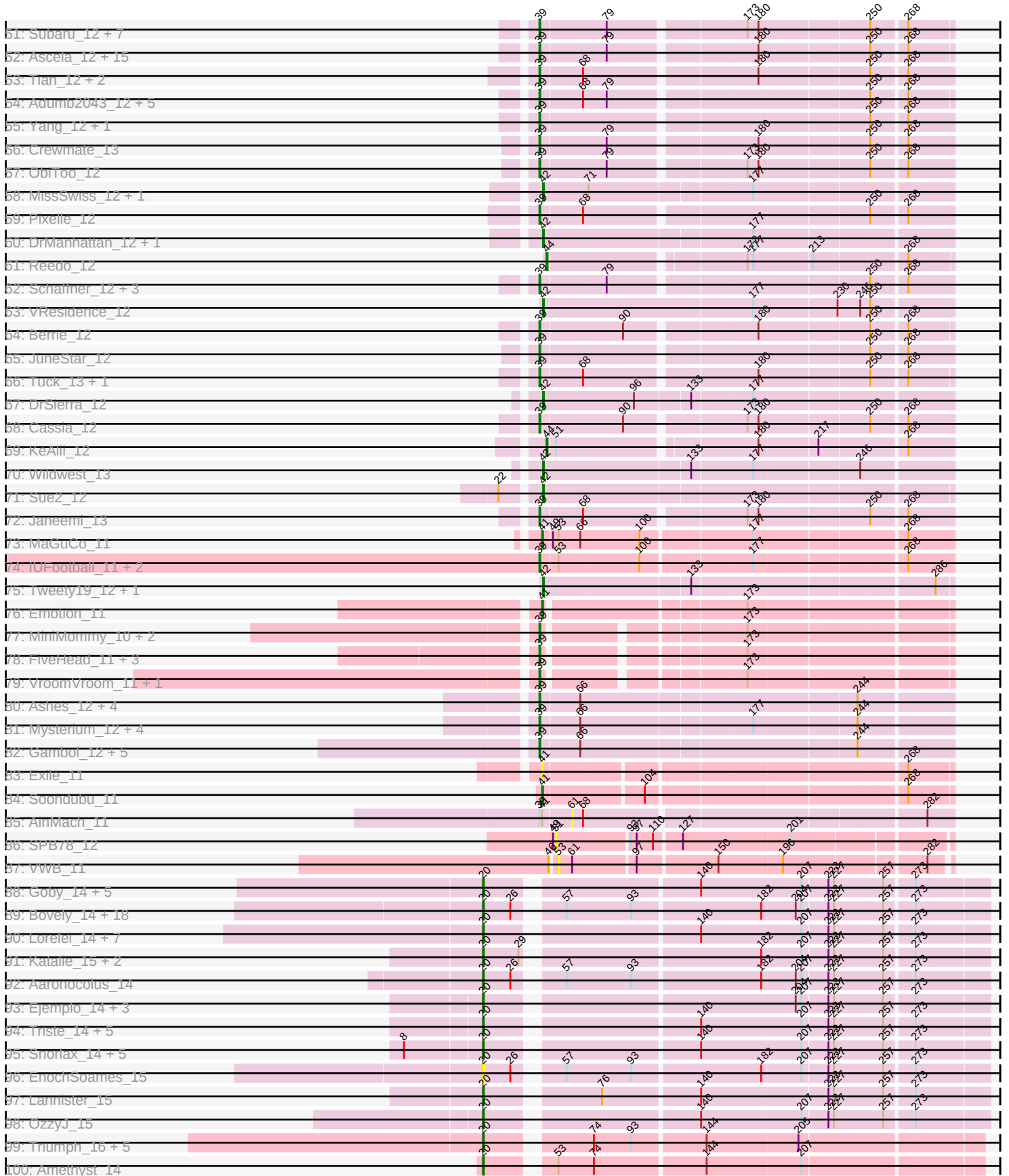
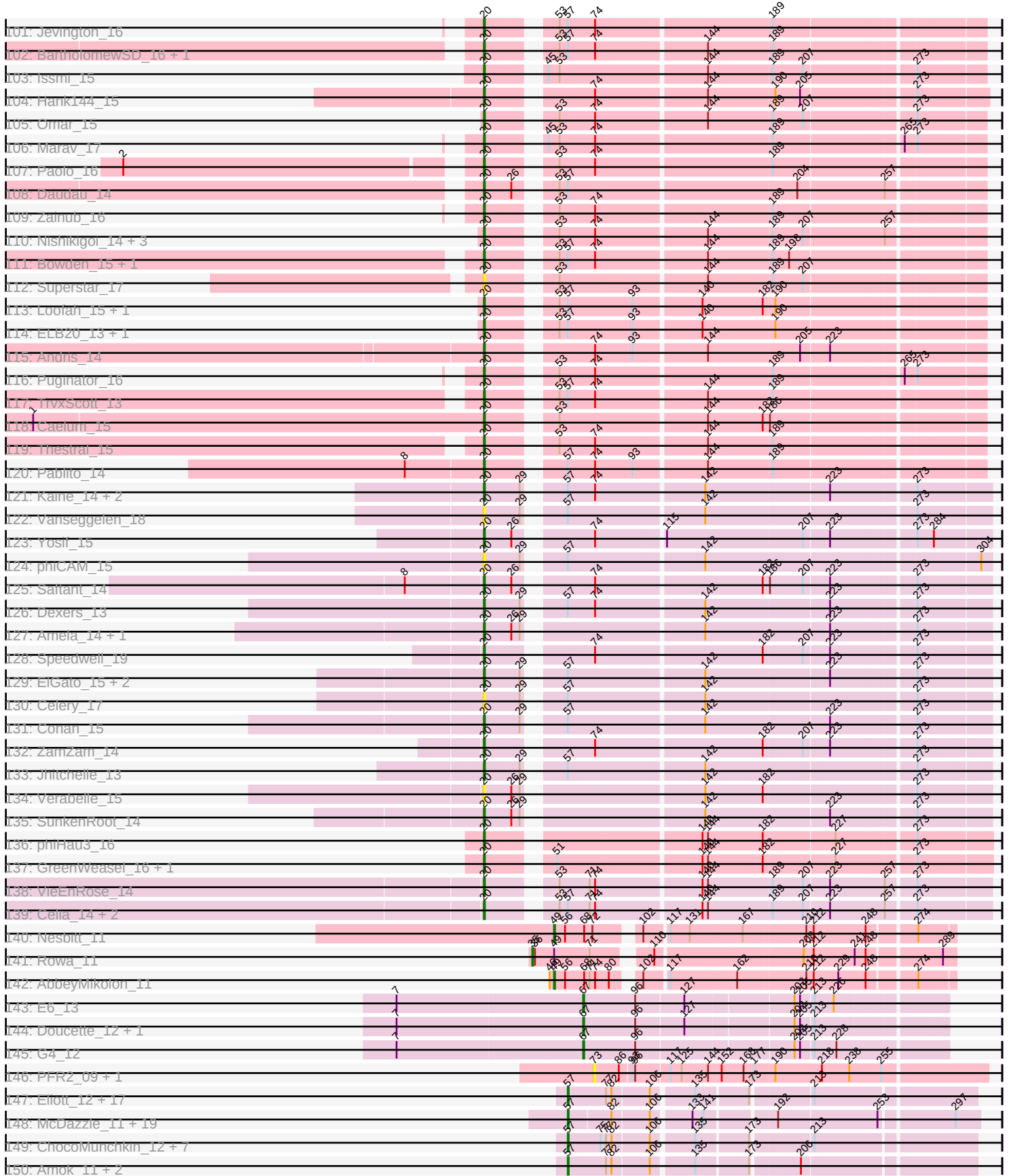




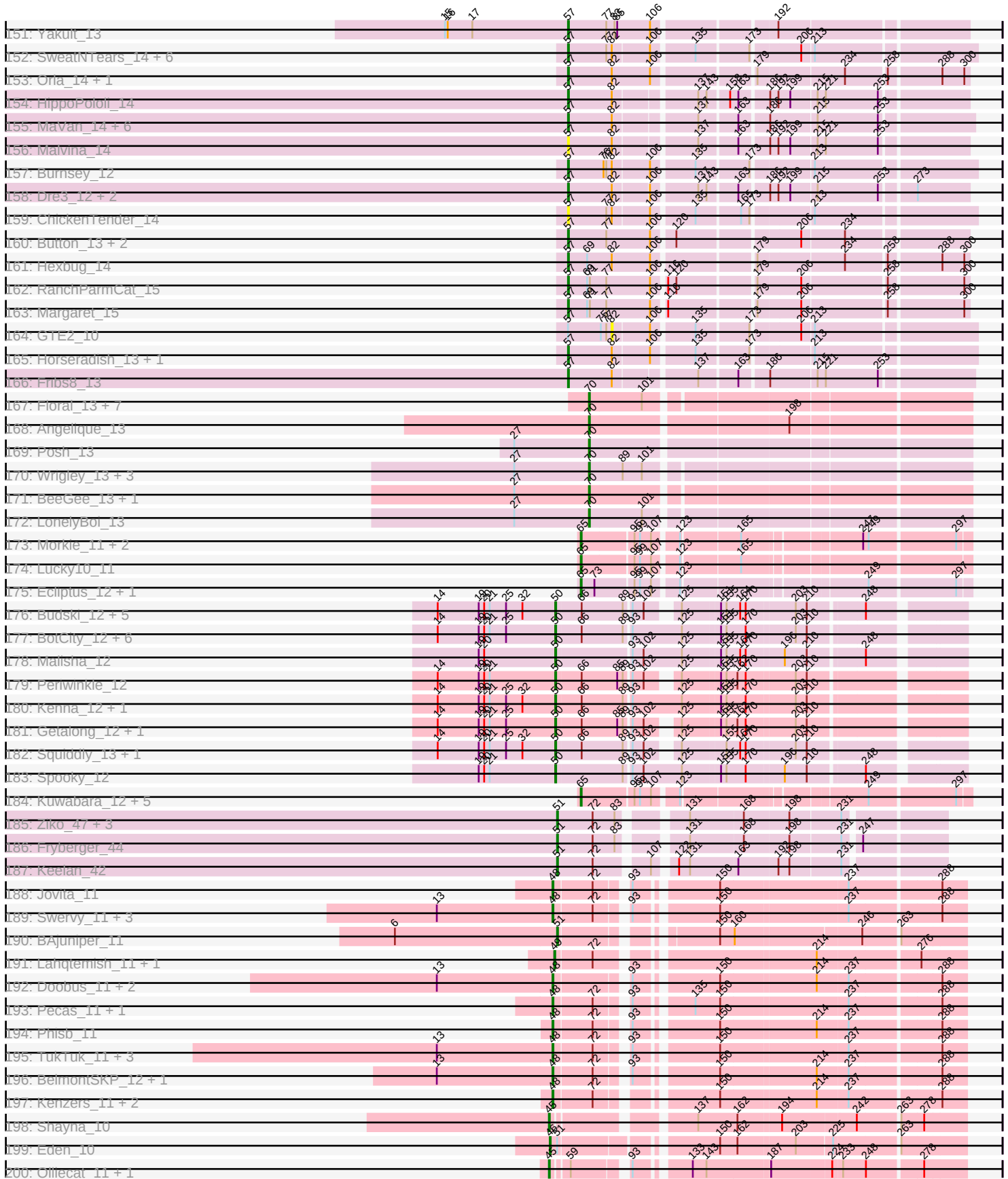
Pham 330275



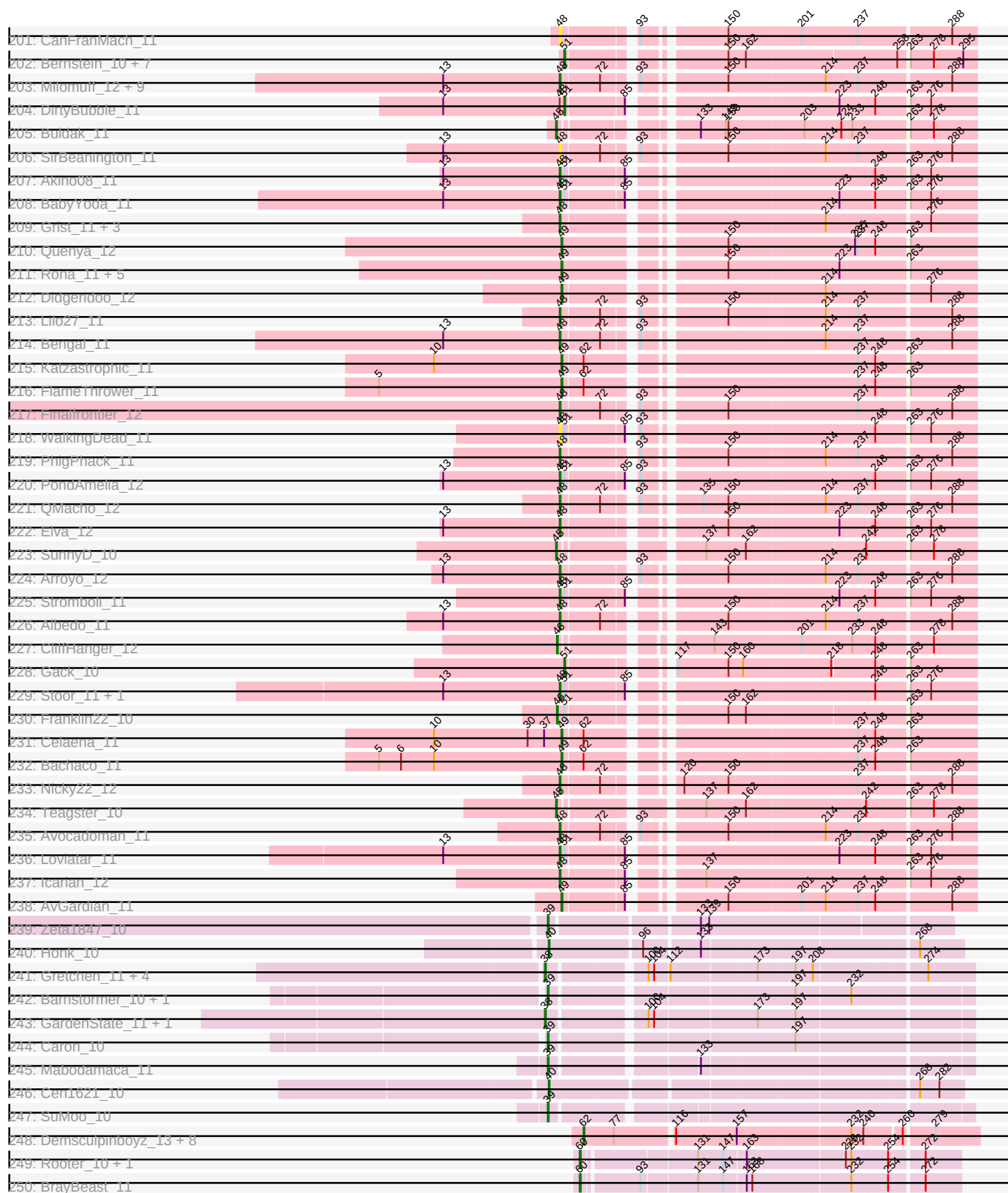
Pham 330275



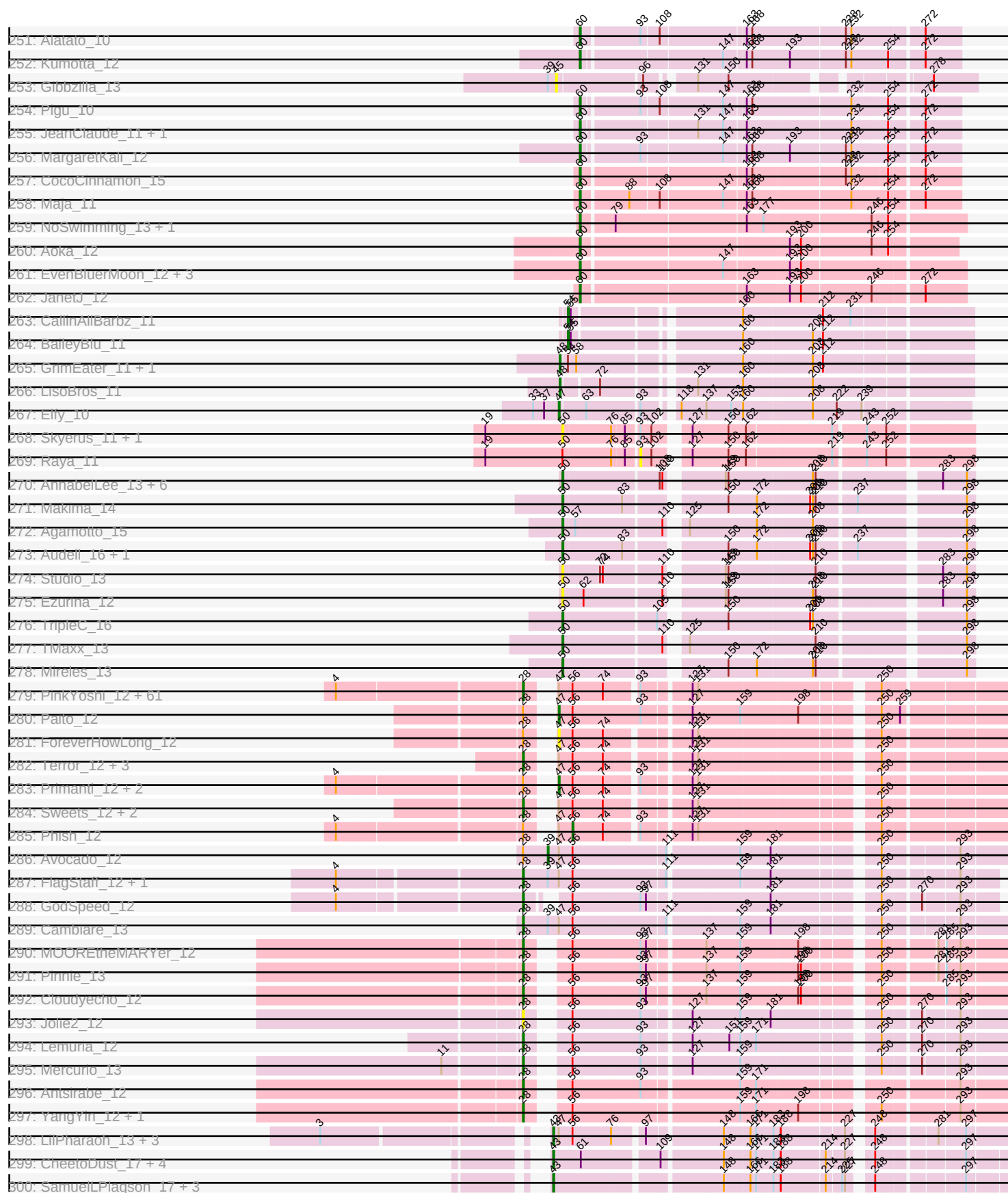
Pham 330275

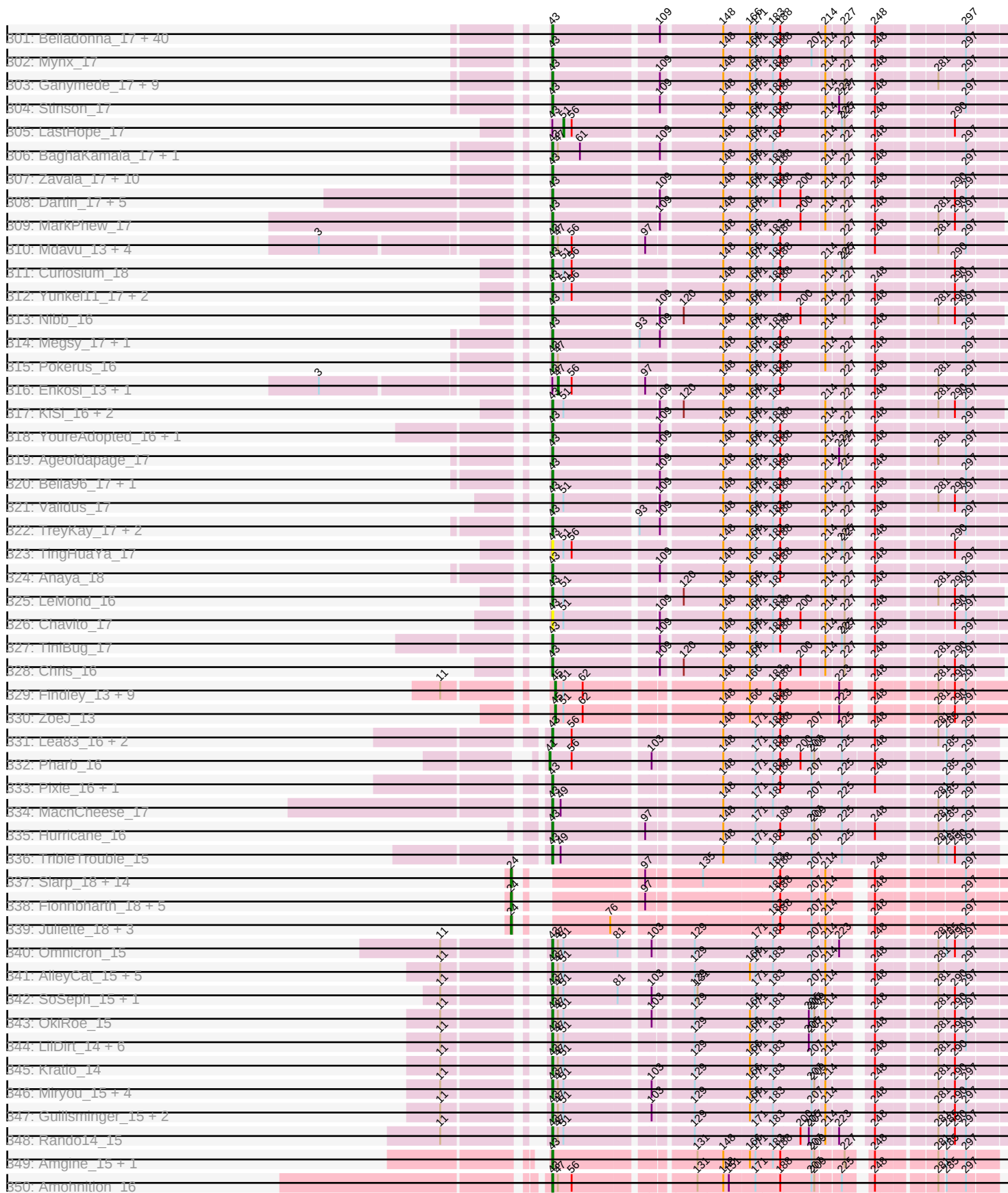


Pham 330275

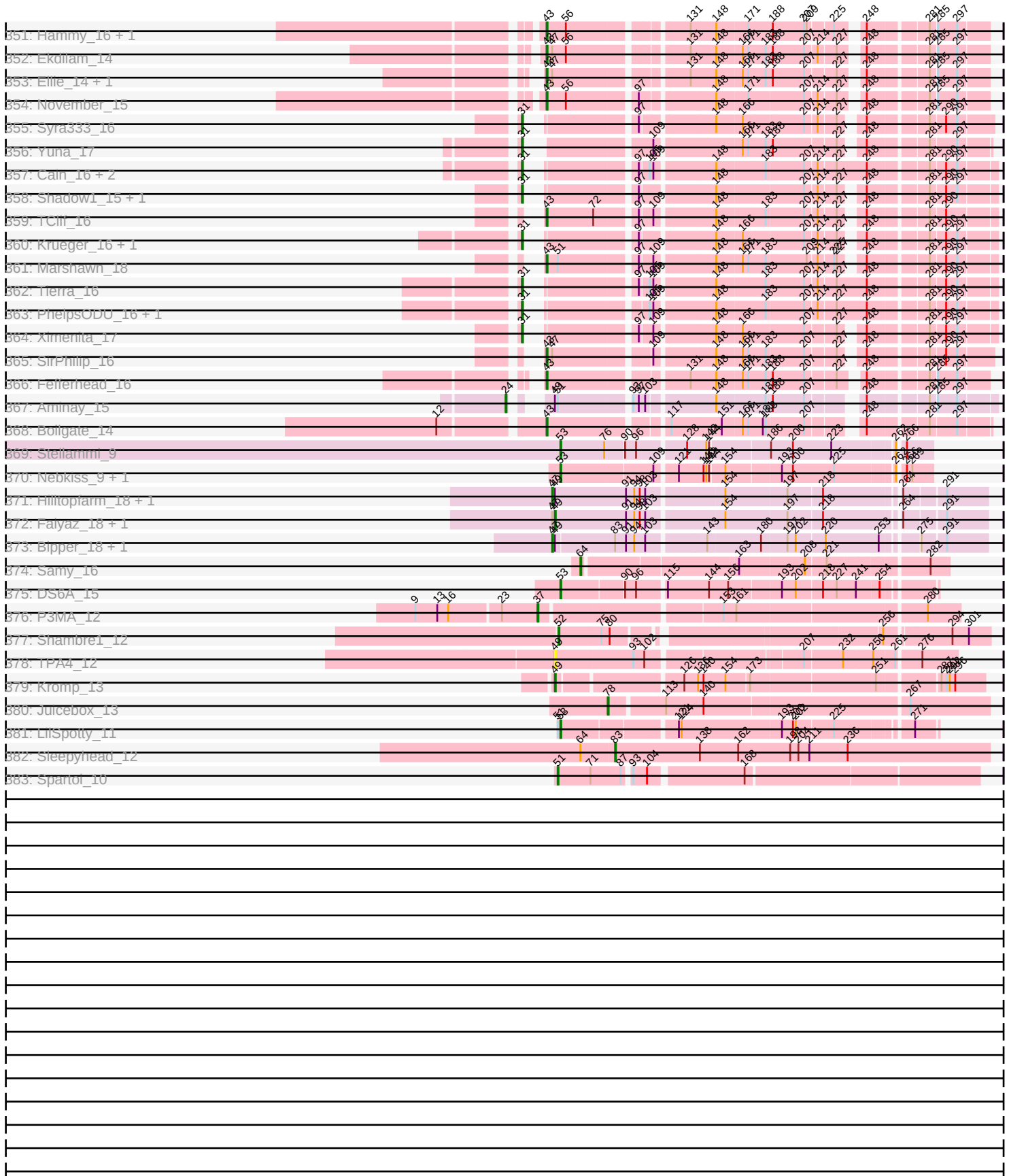


Pham 330275





Pham 330275



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 330275 Report

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

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

Pham number 330275 has 1015 members, 100 are drafts.

Phages represented in each track:

- Track 1 : 8UZL_14, Salvus_15, LongHai_15
- Track 2 : NoShow_12
- Track 3 : Maco6_12, FF47_14, Muddy_14
- Track 4 : JacoRen57_11
- Track 5 : MalagasyRose_18
- Track 6 : Nergal_16
- Track 7 : Carpal_14, Wawa_14, Korra_14, Glenn_14, Kalizoi_14, Dino_14, Vallejo_14, BrotherBLo_14, TattModd_14, Zorro_14, Cholula_14, RAP15_14, Jumboset_14, MrGloopy_14, Riverdale_14, BigMack_10, Scuttle_14, Immaculata_14, Rozby_14, Savage2526_14, Potatoes_14, Beethoven_14
- Track 8 : Greenhouse_14, Lakshmi_14, Nubia_14, Oxyntfrius_14, Joann_14, Albanese_14, RcigaStruga_14, Huntingdon_14, Misaeng_14
- Track 9 : Bennie_10, HeadNerd_10, Moki_10, Huckleberry_10
- Track 10 : MrBoss_14
- Track 11 : Fluke_14
- Track 12 : Herb_10, Sergei_10, Daiboju_10, Maria1952_10, KingBob_10, Temper16_10
- Track 13 : OurGirlNessie_10, PitaDog_10, Christian_10, Lucy_10, ChewChew_10, Nancia_10, Lasagna_10, Makoto_10, CristinaYang_10, Bodacious_10, DrRobert_10, LilStuart_10, Lennox_10, Pterodactyl_10
- Track 14 : Gisselle_10, Kittykat_10, DreamTeam_10
- Track 15 : WonderBoy_10
- Track 16 : Eunoia_10, OMalley_10, Aledel_10, Riovina_10
- Track 17 : EstebanJulior_10, MamaPearl_10
- Track 18 : HunterDalle_10, Supakev_10, AustinPowers_10, Vulture_10
- Track 19 : MeganNoll_14
- Track 20 : Pumancara_10, PinkFriday_10
- Track 21 : Chridison_10
- Track 22 : Graynor_14, AppleCider_14, Litotes_14, PartyCup_14, CallieOMalley_14
- Track 23 : Preamble_10
- Track 24 : Wayne_14, Suppi_14, Canowicakte_14
- Track 25 : GreenHearts_14
- Track 26 : Urla_10

- Track 27 : Brynnie_12
- Track 28 : Pelletreau_13, Shen_13, Amanises_13, Orcanus_12, KendraB23_13, Westrich_13, Toad24_13, Gravel_13
- Track 29 : Abidatro_12
- Track 30 : Chickaboom_11, Vulpecula_12, WileyE_11, Jamun_12
- Track 31 : Eesa_12
- Track 32 : Ruchi_12
- Track 33 : Basilisk_12
- Track 34 : Niblet_12, Chicken_12, Zixiang_12
- Track 35 : TaylorSipht_12
- Track 36 : Galaxy_12
- Track 37 : Cygnet_12
- Track 38 : Polka_12, Jerole_13, Daob_13, GramZayde_12, Pineda_13, Bibble12_13, Coral_12, Colusalem_12, HannahPhantana_13, Melons_13, BadWillHunting_13, Bedetta_13, PhirstandPhine_13, Damocles_13, Kepler_12, Amelia_13, Cote_13, Lunar_13, OtsoOtso_12
- Track 39 : Kuleana_12
- Track 40 : LittleTokyo_12
- Track 41 : Antrice_12
- Track 42 : Zhuangyuan_13
- Track 43 : Fingolfin_11, Oppalora_11, AmiCi24_11, HamCheese_11, Glotell_11, Amphitrite_11, Juno112_11, PhluffyCoco_11, Atlantica_11, RedFox_11, KHumphrey_11, Laphuphu24k_11, DanHam62_11, AdoptaAdorbs_11, Camara_11
- Track 44 : Andrew_12
- Track 45 : Babushka_11
- Track 46 : Renna12_12
- Track 47 : StuartMinion_11, AlexMinion_11
- Track 48 : Azaz_11, Rattail_11, Leona_11
- Track 49 : Michkear_14
- Track 50 : ThursdayNight_11
- Track 51 : Subaru_12, Elezi_12, Jstan_12, London_12, Eraser_12, Niobe_12, Skelbel_12, Asa16_12
- Track 52 : Ascela_12, YesChef_12, Tbone_12, JohnDoe_12, Lego_12, Simpson_13, Cyan_12, Joemato_12, Iter_12, Powerpuff_12, Kaylissa_12, Tutumahutu_12, AGrandiflora_12, Warda_12, Lizalica_12, Mudpuppy_12
- Track 53 : Tian_12, Amyev_12, Phives_13
- Track 54 : Adumb2043_12, Nitro_12, Tallboi_12, Turab_12, Amploria_12, AEgle_12
- Track 55 : Yang_12, TforTroy_12
- Track 56 : Crewmate_13
- Track 57 : ObiToo_12
- Track 58 : MissSwiss_12, PandaPo_12
- Track 59 : Pixelle_12
- Track 60 : DrManhattan_12, Adolin_12
- Track 61 : Reedo_12
- Track 62 : Schaffner_12, IttyBittyPiggy_12, Flutur_12, Pumpkins_12
- Track 63 : VResidence_12
- Track 64 : Berrie_12
- Track 65 : JuneStar_12
- Track 66 : Tuck_13, Community_13
- Track 67 : DrSierra_12
- Track 68 : Cassia_12
- Track 69 : KeAlii_12
- Track 70 : Wildwest_13

- Track 71 : Sue2_12
- Track 72 : Janeemi_13
- Track 73 : MaGuCo_11
- Track 74 : IUFootball_11, Maureen_11, Liebe_11
- Track 75 : Tweety19_12, Snek_12
- Track 76 : Emotion_11
- Track 77 : MiniMommy_10, JasmineDragon_11, ShakeItOph_11
- Track 78 : FiveHead_11, LadyAstra_11, Origami_11, JohnThicc_11
- Track 79 : VroomVroom_11, AceofSpades_10
- Track 80 : Ashes_12, Halsey_12, RockScotty_12, SpecialK_12, Moss_12
- Track 81 : Mysterium_12, Gumpizza_12, Stuu_12, Beaupre_12, Giorgio_12
- Track 82 : Gambol_12, Sooty_12, Cappuccino_12, Kalimba_12, Donkey_12, Sabourin_12
- Track 83 : Exile_11
- Track 84 : Soondubu_11
- Track 85 : AinMach_11
- Track 86 : SPB78_12
- Track 87 : VWB_11
- Track 88 : Goby_14, Sujidade_15, Danzina_15, Godpower_15, Lika_14, Toma_14
- Track 89 : Bovely_14, Oliynyk_15, Esperer_14, Rusticus_15, Nerdos_14, Eddasa_15, Ozzie_14, Leviticus_14, BeardedLady_15, BryanRecycles_15, Caliburn_14, Jash_15, Indigo_14, Phettuccine_14, SunsetPointe_14, Hydra_16, Unstoppable_14, Izzy_15, Legacy_14
- Track 90 : Lorelei_14, Rana_14, Celeste_14, Dattran_15, Zemlya_15, Nabi_14, Brataylor_15, Nanodon_16
- Track 91 : Katalie_15, RedBear_16, South40_15
- Track 92 : Aaronocolus_14
- Track 93 : Ejemplo_14, Maneekul_14, TuanPN_14, Yasdnit_14
- Track 94 : Triste_14, SarahRose_14, Whatever_14, Astenn_14, TagePhighter_15, Chucky_14
- Track 95 : Snorlax_14, Hippo_14, BarryBee_16, Dwayne_14, Emaanora_16, Werner_14
- Track 96 : EnochSoames_15
- Track 97 : Lannister_15
- Track 98 : OzzyJ_15
- Track 99 : Triumph_16, Axiom_15, SqueakyClean_15, Animus_15, Janus_15, GirlDinner_14
- Track 100 : Amethyst_14
- Track 101 : Jevington_16
- Track 102 : BartholomewSD_16, Alvy_16
- Track 103 : Issmi_15
- Track 104 : Hank144_15
- Track 105 : Omar_15
- Track 106 : Marav_17
- Track 107 : Paolo_16
- Track 108 : Daudau_14
- Track 109 : Zainub_16
- Track 110 : Nishikigoi_14, Haizum_14, Tefunt_14, Diane_14
- Track 111 : Bowden_15, TinaBelcher_14
- Track 112 : Superstar_17
- Track 113 : Loofah_15, Paedore_14
- Track 114 : ELB20_13, R4_14
- Track 115 : Andris_14

- Track 116 : Puginator_16
- Track 117 : TrvxScott_13
- Track 118 : Caelum_15
- Track 119 : Thestral_15
- Track 120 : Pablito_14
- Track 121 : Kaine_14, Alsaber_15, Sudan_14
- Track 122 : Vanseggelen_18
- Track 123 : Yosif_15
- Track 124 : phiCAM_15
- Track 125 : Saftant_14
- Track 126 : Dexers_13
- Track 127 : Amela_14, Verse_14
- Track 128 : Speedwell_19
- Track 129 : ElGato_15, Provolone_15, Pavo_15
- Track 130 : Celery_17
- Track 131 : Conan_15
- Track 132 : ZamZam_14
- Track 133 : Jhitchelle_13
- Track 134 : Verabelle_15
- Track 135 : SunkenRoot_14
- Track 136 : phiHau3_16
- Track 137 : GreenWeasel_16, BroPlease_15
- Track 138 : VieEnRose_14
- Track 139 : Celia_14, Itza_14, Urza_14
- Track 140 : Nesbitt_11
- Track 141 : Rowa_11
- Track 142 : AbbeyMikolon_11
- Track 143 : E6_13
- Track 144 : Doucette_12, B22_12
- Track 145 : G4_12
- Track 146 : PFR2_09, PFR1_09
- Track 147 : Elliott_12, PsychoKiller_12, Bubble_12, Starburst_13, RedBaron_14, Agatha_12, Cozz_12, Typhonmarchy_12, RADical_13, Nina_13, Quasar_12, Carsonalex_13, Socotra_13, RSchmailzl_13, GoldHunter_12, Axym_12, MunkgeeRoachy_12, Sopespian_12
- Track 148 : McDazzle_11, Baviard_12, Feastonyeet_11, Mayweather_13, Balloona_11, Yucky_12, CocoaPuff_11, ElJefes_11, BigChungus_11, PotPie_12, Tarnish_12, KayGee_12, SummitAcademy_11, MAnor_12, Lauer_11, SheckWes_11, Vine_13, CherryonLim_13, Pons_12, Elinal_13
- Track 149 : ChocoMunchkin_12, Tolls_14, SteamedHams_14, CanesSauce_12, Yarn_11, CaramelLatte_12, AndPeggy_11, BillDoor_14
- Track 150 : Amok_11, AikoCarson_11, Emalyn_11
- Track 151 : Yakult_13
- Track 152 : SweatNTears_14, MScarn_14, SketchMex_11, Troje_12, Blondies_13, Biskit_13, Buttrmlkdreams_12
- Track 153 : Orla_14, Nodigi_14
- Track 154 : HippoPololi_14
- Track 155 : MaVan_14, Wolfwood_14, Wallaby_16, Azira_14, Zareef_14, Survivors_14, Nibbles_14
- Track 156 : Malvina_14
- Track 157 : Burnsey_12
- Track 158 : Dre3_12, Cleo_12, Gibbous_12
- Track 159 : ChickenTender_14

- Track 160 : Button_13, Jamzy_15, GiKK_15
- Track 161 : Hexbug_14
- Track 162 : RanchParmCat_15
- Track 163 : Margaret_15
- Track 164 : GTE2_10
- Track 165 : Horseradish_13, Yummy_13
- Track 166 : Fribs8_13
- Track 167 : Floral_13, BritBrat_13, EMSquaredA_13, Pollux_13, Bradissa_13, Lilas_13, EnalisNailo_13, Marteena_13
- Track 168 : Angelique_13
- Track 169 : Posh_13
- Track 170 : Wrigley_13, Jablanski_13, Pytheas_13, Confidence_13
- Track 171 : BeeGee_13, Cashline_13
- Track 172 : LonelyBoi_13
- Track 173 : Morkie_11, InLimbo_12, PhorbesPhlower_11
- Track 174 : Lucky10_11
- Track 175 : Ecliptus_12, ODay_12
- Track 176 : Budski_12, Phabuloso_12, CheeseTouch_12, Holliday_12, Kamaru_12, LitninMcQueen_12
- Track 177 : BotCity_12, Horus_12, BENtherdunthat_12, ShawBrad_12, Frickyeah_12, Leroy_12, Asapag_12
- Track 178 : Malisha_12
- Track 179 : Periwinkle_12
- Track 180 : Kenna_12, Lutum_12
- Track 181 : Getalong_12, Whitney_12
- Track 182 : Squiddly_13, Phistory_12
- Track 183 : Spooky_12
- Track 184 : Kuwabara_12, MortyNRick_12, Birdsong_12, Crater_12, Apricot_12, BearBQ_12
- Track 185 : Ziko_47, Guey18_49, Ronaldo_47, Volt_46
- Track 186 : Fryberger_44
- Track 187 : Keelan_42
- Track 188 : Jovita_11
- Track 189 : Swervy_11, Slay_11, AylexOG_12, SarBear_11
- Track 190 : BAjuniper_11
- Track 191 : Lahqtemish_11, PastaFagioli_11
- Track 192 : Doobus_11, CroZenni_11, Albright_11
- Track 193 : Pecas_11, Eula_11
- Track 194 : Phisb_11
- Track 195 : TukTuk_11, CupcakePrincess_11, Jabb_11, MsUbiquitous_11
- Track 196 : BelmontSKP_12, AnnaLie_12
- Track 197 : Kenzers_11, Lynlen_11, BubbaBear_11
- Track 198 : Shayna_10
- Track 199 : Eden_10
- Track 200 : Olliecat_11, Squirrel_11
- Track 201 : CanFranMach_11
- Track 202 : Bernstein_10, Armstrong_10, Coltrane_10, Clayda5_10, Skylord_10, Rollins_10, Vitas_10, Brahms_10
- Track 203 : Milomuff_12, DickRichards_11, Solea_12, Johnathan_11, SansAfet_11, Softsoap_11, LimaBean_11, Cashington_11, Burritobowl_11, Abigail_11
- Track 204 : DirtyBubble_11
- Track 205 : Buldak_11
- Track 206 : SirBeanington_11

- Track 207 : Akino08_11
- Track 208 : BabyYoda_11
- Track 209 : Grist_11, Kate33_11, BabyDaisy_12, IndyLu_11
- Track 210 : Quenya_12
- Track 211 : Rona_11, ChiliPepper_11, Kamdara_11, Sharkboy_11, Kieran_11, Dismas_11
- Track 212 : Didgeridoo_12
- Track 213 : Lilo27_11
- Track 214 : Bengal_11
- Track 215 : Katzastrophic_11
- Track 216 : FlameThrower_11
- Track 217 : Finalfrontier_12
- Track 218 : WalkingDead_11
- Track 219 : PhigPhack_11
- Track 220 : PondAmelia_12
- Track 221 : QMacho_12
- Track 222 : Elva_12
- Track 223 : SunnyD_10
- Track 224 : Arroyo_12
- Track 225 : Stromboli_11
- Track 226 : Albedo_11
- Track 227 : CliffHanger_12
- Track 228 : Gack_10
- Track 229 : Stoor_11, SanaSana_12
- Track 230 : Franklin22_10
- Track 231 : Celaena_11
- Track 232 : Bachaco_11
- Track 233 : Nicky22_12
- Track 234 : Teagster_10
- Track 235 : Avocadoman_11
- Track 236 : Loviatar_11
- Track 237 : Icarian_12
- Track 238 : AvGardian_11
- Track 239 : Zeta1847_10
- Track 240 : Honk_10
- Track 241 : Gretchen_11, SuperHands_11, Floof_11, Forester_11, Percival_11
- Track 242 : Barnstormer_10, UtzChips_10
- Track 243 : GardenState_11, IAmGroot_11
- Track 244 : Caron_10
- Track 245 : Mabodamaca_11
- Track 246 : Cen1621_10
- Track 247 : SuMoo_10
- Track 248 : Demsculpinboyz_13, Avani_13, SilverChicken_13, Soul22_13, Che9d_13, Blarby_14, Zapner_14, Jabbawokkie_14, Yoshi_13
- Track 249 : Rooter_10, Sarge_11
- Track 250 : BrayBeast_11
- Track 251 : Alatato_10
- Track 252 : Kumotta_12
- Track 253 : Gibbzilla_13
- Track 254 : Pigu_10
- Track 255 : JeanClaude_11, Shoya_10
- Track 256 : MargaretKali_12
- Track 257 : CocoCinnamon_15

- Track 258 : Maja_11
- Track 259 : NoSwimming_13, Scotia_13
- Track 260 : Aoka_12
- Track 261 : EvenBluerMoon_12, Morrey_18, PrairieDogTown_12, Hereford_13
- Track 262 : JanetJ_12
- Track 263 : CallinAllBarbz_11
- Track 264 : BaileyBlu_11
- Track 265 : GrimEater_11, Jankie_11
- Track 266 : LisoBros_11
- Track 267 : Elfy_10
- Track 268 : Skyerus_11, Neroxid_11
- Track 269 : Raya_11
- Track 270 : AnnabelLee_13, CardboardBox_13, ChamoyPickle_13, Roberts_13, Neuville_13, Gerri43_13, ChipsNGuac_13
- Track 271 : Makima_14
- Track 272 : Agamoto_15
- Track 273 : Audell_16, LastNadiia_16
- Track 274 : Studio_13
- Track 275 : Ezurina_12
- Track 276 : TripleC_16
- Track 277 : TMaxx_13
- Track 278 : Mireles_13
- Track 279 : PinkYoshi_12, DMoney_12, DingDing_12, Jolene_12, Rattrick_12, CassieYates_12, Angel_12, TomBrady_12, ECartman_12, Gomashi_12, Phloodle_12, Periodt_12, Avrafan_12, Schiebel_12, Barkley26_12, Hope_12, Hotshotbaby7_12, Marmie_12, Cedasite_12, Olga_12, Renaissance_12, Gideon_12, AzulaCat_12, BPs_12, Jeilious_12, LouisV14_12, BQuat_12, Peeb_12, Coleslaw_12, DNAIII_0012, Maliketh_12, Neoh_12, Plagueis_12, Aroostook_12, Mowgli_12, Kareem_12, Chance64_12, BruceB_12, Liefie_12, Crespo_12, Darionha_12, Frosty24_12, Ruriko_12, OctaviousRex_12, CLED96_12, Richarlison_12, ZoMa_12, Remy19_12, Zombie_12, MZKinsey_12, Camri_12, Cherrybomb426_12, Annihilator_12, Phreak_12, ShaboiShabazz_12, Grizzly_12, Jane_12, Wendigo_12, Kasen3_12, JorRay_12, Sizemore_12, GoldenAsh_12
- Track 280 : Paito_12
- Track 281 : ForeverHowLong_12
- Track 282 : Terror_12, Rabbs_12, Taheera_12, Sneeze_12
- Track 283 : Primanti_12, AizenPogi_12, Jonghyun_12
- Track 284 : Sweets_12, Halo_12, TinaBug_12
- Track 285 : Phish_12
- Track 286 : Avocado_12
- Track 287 : FlagStaff_12, Pace1224_12
- Track 288 : GodSpeed_12
- Track 289 : Cambiare_13
- Track 290 : MOOREtheMARYer_12
- Track 291 : Pinnie_13
- Track 292 : Cloudyecho_12
- Track 293 : Jolie2_12
- Track 294 : Lemuria_12
- Track 295 : Mercurio_13
- Track 296 : Antsirabe_12
- Track 297 : YangYin_12, Stargaze_12
- Track 298 : LilPharaoh_13, SgtBeansprout_13, Amelie_13, Binglebops_13
- Track 299 : CheetoDust_17, Atiba_17, Clipper_17, MacKat_17, Tachez_17

- Track 300 : SamuelLPlaqson_17, Anma_17, Urkel_17, DrHayes_17
- Track 301 : Belladonna_17, AlishaPH_17, Angelica_17, CrimD_17, Rosmarinus_17, Peel_17, CREW_17, Inky_17, Capricorn_17, Durfee_17, Jarvi_17, BGlluviae_17, Geraldini_17, Piatt_17, Boiini_17, Hyperbowlee_17, Dalmuri_17, Spock_17, Twitch_17, Emerson_17, Llorens_17, Beezoo_17, BarrelRoll_17, CaseJules_17, Tiri_17, Asayake_17, Lunahalos_17, CallaLilly_17, Topper_17, Jeckyll_17, Padpat_17, JAWS_17, Blizzard_17, Adonis_17, BEEST_17, Homura_17, ShiaSurprise_17, Sulley_17, Padfoot_17, Deby_17, Veliki_17
- Track 302 : Mynx_17
- Track 303 : Ganymede_17, Dole_17, Murucutumbu_17, Illumine_17, Pisa4_16, LaterM_17, QuincyRose_16, Pisa1_16, Bern_17, Devera_17
- Track 304 : Stinson_17
- Track 305 : LastHope_17
- Track 306 : BaghaKamala_17, Joy99_17
- Track 307 : Zavala_17, Adephagia_17, Ramen_17, Rapunzel97_17, Zabiza_17, Jayhawk_17, ActinUp_17, HedwigODU_17, MeaningOfLife_17, TruffulaTree_17, Slimphazie_17
- Track 308 : Dartin_17, Peanam_17, Shaobing_17, McMater_17, Niklas_17, Richo_17
- Track 309 : MarkPhew_17
- Track 310 : Mdavu_13, Trice_13, Teejan_13, Nutello_13, Nikao_13
- Track 311 : Curiosium_18
- Track 312 : Yunkel11_17, Efra2_17, Guanica15_17
- Track 313 : Nibb_16
- Track 314 : Megsy_17, TaiwanKao_17
- Track 315 : Pokerus_16
- Track 316 : Enkosi_13, Torres_13
- Track 317 : KiSi_16, Oscar_16, Scarlett_16
- Track 318 : YoureAdopted_16, Apocalypse_17
- Track 319 : Ageofdapage_17
- Track 320 : Bella96_17, DartGoblin_17
- Track 321 : Validus_17
- Track 322 : TreyKay_17, Prithvi_17, LindNT_17
- Track 323 : TingHuaYa_17
- Track 324 : Anaya_18
- Track 325 : LeMond_16
- Track 326 : Chavito_17
- Track 327 : TiniBug_17
- Track 328 : Chris_16
- Track 329 : Findley_13, DismalStressor_13, DismalFunk_13, Milly_13, BoostSeason_13, Strobilo_13, Doughnut_13, TM4_13, Mufasa_13, Marcoliusprime_13
- Track 330 : ZoeJ_13
- Track 331 : Lea83_16, ShedlockHolmes_16, Keshu_16
- Track 332 : Pharb_16
- Track 333 : Pixie_16, TBond007_16
- Track 334 : MacnCheese_17
- Track 335 : Hurricane_16
- Track 336 : TribbleTrouble_15
- Track 337 : Slarp_18, MissDaisy_18, Lebo14_18, Chancellor_18, Y10_18, DanSyl44_18, Reptar3000_18, YasnayaPolyana_18, Y2_18, Cheetobro_18, Patt_18, JF1_18, Bobquesha_18, Qhanda_18, SamScheppers_16

- Track 338 : Fionnbharth_18, Kraw_18, OmniCritical_18, Wintermute_18, Mitti_18, Malthus_18
- Track 339 : Juliette_18, Taquito_16, Eponine_18, Ruthiejr_17
- Track 340 : Omnicron_15
- Track 341 : AlleyCat_15, Edugator_14, Dadosky_15, Neighly_15, Psycho_15, Larva_15
- Track 342 : SoSeph_15, Heftyboy_15
- Track 343 : OkiRoe_15
- Track 344 : LilDirt_14, Collard_15, Agent47_15, DoubleChamp_15, BananenDer11_15, InvictusManeo_15, ViviJ_14
- Track 345 : Kratio_14
- Track 346 : Miryou_15, Leston_15, Thyatira_15, Feyre_15, Waterfoul_15
- Track 347 : Guillsminger_15, Paola_15, Gengar_15
- Track 348 : Rando14_15
- Track 349 : Amgine_15, Lavahound_15
- Track 350 : Amohnition_16
- Track 351 : Hammy_16, DarthP_16
- Track 352 : Ekdilam_14
- Track 353 : Ellie_14, Applecrisp_15
- Track 354 : November_15
- Track 355 : Syra333_16
- Track 356 : Yuna_17
- Track 357 : Cain_16, Bryler_16, Phrank_16
- Track 358 : Shadow1_15, Sunflower1121_15
- Track 359 : TCLif_16
- Track 360 : Krueger_16, Tigress9_16
- Track 361 : Marshawn_18
- Track 362 : Tierra_16
- Track 363 : PhelpsODU_16, Unicorn_16
- Track 364 : Ximenita_17
- Track 365 : SirPhilip_16
- Track 366 : Fefferhead_16
- Track 367 : Aminay_15
- Track 368 : Boilgate_14
- Track 369 : Stellammi_9
- Track 370 : Nebkiss_9, Gaia_9
- Track 371 : Hilltopfarm_18, Typha_18
- Track 372 : Faiyaz_18, AuntGwenStacy_18
- Track 373 : Bipper_18, Cracklewink_18
- Track 374 : Samy_16
- Track 375 : DS6A_15
- Track 376 : P3MA_12
- Track 377 : Shambre1_12
- Track 378 : TPA4_12
- Track 379 : Kromp_13
- Track 380 : Juicebox_13
- Track 381 : LilSpotty_11
- Track 382 : Sleepyhead_12
- Track 383 : Spartoi_10

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

The start number called the most often in the published annotations is 43, it was called in 214 of the 915 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abidatro_12, ActinUp_17, Adephagia_17, Adonis_17, AdoptaAdorbs_11, Agent47_15, Ageofdapage_17, AlexMinion_11, AlishaPH_17, AlleyCat_15, Amanises_13, Amelia_13, Amelie_13, Amgine_15, AmiCi24_11, Amohnition_16, Amphitrite_11, Anaya_18, Andrew_12, Angelica_17, Anma_17, Antrice_12, Apocalypse_17, Applecrisp_15, Asayake_17, Atiba_17, Atlantica_11, Azaz_11, BEEST_17, BGlluviae_17, Babushka_11, BadWillHunting_13, BaghaKamala_17, BananenDer11_15, BarrelRoll_17, Basilisk_12, Bedetta_13, Beezoo_17, Bella96_17, Belladonna_17, Bern_17, Bibble12_13, Binglebops_13, Blizzard_17, Boiiii_17, Boilgate_14, Brynnie_12, CREW_17, CallaLilly_17, Camara_11, Capricorn_17, CaseJules_17, Chavito_17, CheetoDust_17, Chickaboom_11, Chicken_12, Chris_16, Clipper_17, Collard_15, Colusalem_12, Coral_12, Cote_13, CrimD_17, Curiosium_18, Cygnet_12, Dadosky_15, Dalmuri_17, Damocles_13, DanHam62_11, Daob_13, DartGoblin_17, DarthP_16, Dartin_17, Deby_17, Devera_17, Dole_17, DoubleChamp_15, DrHayes_17, Durfee_17, Edugator_14, Eesa_12, Efra2_17, Ekdilam_14, Ellie_14, Emerson_17, Fefferhead_16, Feyre_15, Fingolfin_11, Galaxy_12, Ganymede_17, Gengar_15, Geraldini_17, Glotell_11, GramZayde_12, Gravel_13, Guanica15_17, Guillsminger_15, HamCheese_11, Hammy_16, HannahPhantana_13, HedwigODU_17, Heftyboy_15, Homura_17, Hurricane_16, Hyperbowlee_17, Illumine_17, Inky_17, InvictusManeo_15, JAWS_17, Jamun_12, Jarvi_17, Jayhawk_17, Jeckyll_17, Jerole_13, Joy99_17, Juno112_11, KHumphrey_11, KendraB23_13, Kepler_12, Keshu_16, KiSi_16, Kratio_14, Kuleana_12, Laphuphu24k_11, Larva_15, LaterM_17, Lavahound_15, LeMond_16, Lea83_16, Leona_11, Leston_15, LilDirt_14, LilPharaoh_13, LindNT_17, LittleTokyo_12, Llorens_17, Lunahalos_17, Lunar_13, MacKat_17, MacnCheese_17, MalagasyRose_18, MarkPhew_17, Marshawn_18, McMater_17, Mdavu_13, MeaningOfLife_17, Megsy_17, Melons_13, Miryou_15, Murucutumbu_17, Mynx_17, Neighly_15, Nergal_16, Nibb_16, Niblet_12, Nikao_13, Niklas_17, November_15, Nutello_13, OkiRoe_15, Omnicron_15, Oppalora_11, Orcanus_12, Oscar_16, OtsoOtso_12, Padfoot_17, Padpat_17, Paola_15, Peanam_17, Peel_17, Pelletreau_13, PhirstandPhine_13, PhluffyCoco_11, Piatt_17, Pineda_13, Pisa1_16, Pisa4_16, Pixie_16, Pokerus_16, Polka_12, Prithvi_17, Psycho_15, QuincyRose_16, Ramen_17, Rando14_15, Rapunzel97_17, Rattail_11, RedFox_11, Renna12_12, Richo_17, Rosmarinus_17, Ruchi_12, SamuelLPlaqson_17, Scarlett_16, SgtBeansprout_13, Shaobing_17, ShedlockHolmes_16, Shen_13, ShiaSurprise_17, SirPhilip_16, Slimphazie_17, SoSeph_15, Spock_17, Stinson_17, StuartMinion_11, Sulley_17, TBond007_16, TClif_16, Tachez_17, TaiwanKao_17, TaylorSipht_12, Teejan_13, Thyatira_15, TingHuaYa_17, TiniBug_17, Tiri_17, Toad24_13, Topper_17, TreyKay_17, TribbleTrouble_15, Trice_13, TruffulaTree_17, Twitch_17, Urkel_17, Validus_17, Veliki_17, ViviJ_14, Vulpecula_12, Waterfoul_15, Westrich_13, WileyE_11, YoureAdopted_16, Yunkel11_17, Zabiza_17, Zavala_17, Zhuangyuan_13, Zixiang_12,

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

- 8UZL_14, Enkosi_13, FF47_14, LastHope_17, LongHai_15, Maco6_12, Muddy_14, Salvus_15, Torres_13,

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

• AEgle_12, AGrandiflora_12, Aaronocolus_14, AbbeyMikolon_11, Abigail_11, AceofSpades_10, Adolin_12, Adumb2043_12, Agamoto_15, Agatha_12, AikoCarson_11, AinMach_11, AizenPogi_12, Akino08_11, Alatato_10, Albanese_14, Albedo_11, Albright_11, Aledel_10, Alsaber_15, Alvy_16, Amela_14, Amethyst_14, Aminay_15, Amok_11, Amploria_12, Amyev_12, AndPeggy_11, Andris_14, Angel_12, Angelique_13, Animus_15, AnnaLie_12, AnnabelLee_13, Annihilator_12, Antsirabe_12, Aoka_12, AppleCider_14, Apricot_12, Armstrong_10, Aroostook_12, Arroyo_12, Asa16_12, Asapag_12, Ascela_12, Ashes_12, Asten_14, Audell_16, AuntGwenStacy_18, AustinPowers_10, AvGardian_11, Avani_13, Avocado_12, Avocadoman_11, Avrafan_12, Axiom_15, Axym_12, AylexOG_12, Azira_14, AzulaCat_12, B22_12, BAjuniper_11, BENtherdunthat_12, BPs_12, BQuat_12, BabyDaisy_12, BabyYoda_11, Bachaco_11, BaileyBlu_11, Balloona_11, Barkley26_12, Barnstormer_10, BarryBee_16, BartholomewSD_16, Bavilard_12, BearBQ_12, BeardedLady_15, Beaupre_12, BeeGee_13, Beethoven_14, BelmontSKP_12, Bengal_11, Bennie_10, Bernstein_10, Berrie_12, BigChungus_11, BigMack_10, BillDoor_14, Bipper_18, Birdsong_12, Biskit_13, Blarby_14, Blondies_13, Bobquesha_18, Bodacious_10, BoostSeason_13, BotCity_12, Bovely_14, Bowden_15, Bradissa_13, Brahms_10, Brataylor_15, BrayBeast_11, BritBrat_13, BroPlease_15, BrotherBL0_14, BruceB_12, BryanRecycles_15, Bryler_16, BubbaBear_11, Bubble_12, Budski_12, Buldak_11, Burnsey_12, Burritobowl_11, Button_13, Buttrmilkdreams_12, CLED96_12, Caelum_15, Cain_16, Caliburn_14, CallieOMalley_14, CallinAllBarbz_11, Cambiare_13, Camri_12, CanFranMach_11, CanesSauce_12, Canowicakte_14, Cappuccino_12, CaramellLatte_12, CardboardBox_13, Caron_10, Carpal_14, Carsonalex_13, Cashington_11, Cashline_13, Cassia_12, CassieYates_12, Cedasite_12, Celaena_11, Celery_17, Celeste_14, Celia_14, Cen1621_10, ChamoyPickle_13, Chance64_12, Chancellor_18, Che9d_13, CheeseTouch_12, Cheetobro_18, Cherrybomb426_12, CherryonLim_13, ChewChew_10, ChickenTender_14, ChiliPepper_11, ChipsNGuac_13, ChocoMunchkin_12, Cholula_14, Chridison_10, Christian_10, Chucky_14, Clayda5_10, Cleo_12, CliffHanger_12, Cloudyecho_12, CocoCinnamon_15, CocoaPuff_11, Coleslaw_12, Coltrane_10, Community_13, Conan_15, Confidence_13, Cozz_12, Cracklewink_18, Crater_12, Crespo_12, Crewmate_13, CristinaYang_10, CroZenni_11, CupcakePrincess_11, Cyan_12, DMoney_12, DNAll_0012, DS6A_15, Daiboju_10, DanSyl44_18, Danzina_15, Darionha_12, Dattran_15, Daudau_14, Demsculpinboyz_13, Dexers_13, Diane_14, DickRichards_11, Didgeridoo_12, DingDing_12, Dino_14, DirtyBubble_11, DismalFunk_13, DismalStressor_13, Dismas_11, Donkey_12, Doobus_11, Doucette_12, Doughnut_13, DrManhattan_12, DrRobert_10, DrSierra_12, Dre3_12, DreamTeam_10, Dwayne_14, E6_13, ECartman_12, ELB20_13, EMSquaredA_13, Ecliptus_12, Eddasa_15, Eden_10, Ejemplo_14, ElGato_15, ElJefes_11, Elezi_12, Elfy_10, Elinal_13, Elliott_12, Elva_12, Emaanora_16, Emalyn_11, Emotion_11, EnalisNailo_13, EnochSoames_15, Eponine_18, Eraser_12, Esperer_14, EstebanJulior_10, Eula_11, Eunoia_10, EvenBluerMoon_12, Exile_11, Ezurina_12, Faiyaz_18, Feastonyeet_11, Finalfrontier_12, Findley_13, Fionnbharth_18, FiveHead_11, FlagStaff_12, FlameThrower_11, Floof_11, Floral_13, Fluke_14, Flutur_12, Forester_11, ForeverHowLong_12, Franklin22_10, Fribs8_13, Frickyeah_12, Frosty24_12, Fryberger_44, G4_12, GTE2_10, Gack_10, Gaia_9, Gambol_12, GardenState_11, Gerri43_13, Getalong_12, GiKK_15, Gibbous_12, Gibbzilla_13, Gideon_12, Giorgio_12, GirlDinner_14, Gisselle_10, Glenn_14, Goby_14, GodSpeed_12, Godpower_15, GoldHunter_12, GoldenAsh_12, Gomashi_12, Graynor_14, GreenHearts_14, GreenWeasel_16, Greenhouse_14, Gretchen_11, GrimEater_11, Grist_11, Grizzly_12, Guey18_49, Gumpizza_12, Haizum_14, Halo_12, Halsey_12, Hank144_15, HeadNerd_10, Herb_10,

Hereford_13, Hexbug_14, Hilltopfarm_18, HippoPololi_14, Hippo_14, Holliday_12, Honk_10, Hope_12, Horseradish_13, Horus_12, Hotshotbaby7_12, Huckleberry_10, HunterDalle_10, Huntingdon_14, Hydra_16, IAmGroot_11, IUFootball_11, Icarian_12, Immaculata_14, InLimbo_12, Indigo_14, IndyLu_11, Issmi_15, Iter_12, IttyBittyPiggy_12, Itza_14, Izzy_15, JF1_18, Jabb_11, Jabbawokkie_14, Jablanski_13, JacoRen57_11, Jamzy_15, Jane_12, Janeemi_13, JanetJ_12, Jankie_11, Janus_15, Jash_15, JasmineDragon_11, JeanClaude_11, Jeilious_12, Jevington_16, Jhitchelle_13, Joann_14, Joemato_12, JohnDoe_12, JohnThicc_11, Johnathan_11, Jolene_12, Jolie2_12, Jonghyun_12, JorRay_12, Jovita_11, Jstan_12, Juicebox_13, Juliette_18, Jumboset_14, JuneStar_12, Kaine_14, Kalimba_12, Kalizoi_14, Kamaru_12, Kamdara_11, Kareem_12, Kasen3_12, Katalie_15, Kate33_11, Katzastrophic_11, KayGee_12, Kaylissa_12, KeAlii_12, Keelan_42, Kenna_12, Kenzers_11, Kieran_11, KingBob_10, Kittykat_10, Korra_14, Kraw_18, Kromp_13, Krueger_16, Kumotta_12, Kuwabara_12, LadyAstra_11, Lahqtemish_11, Lakshmi_14, Lannister_15, Lasagna_10, LastNadiia_16, Lauer_11, Lebo14_18, Legacy_14, Lego_12, Lemuria_12, Lennox_10, Leroy_12, Leviticus_14, Liebe_11, Liefie_12, Lika_14, LilSpotty_11, LilStuart_10, Lilas_13, Lilo27_11, LimaBean_11, LisoBros_11, LitninMcQueen_12, Litotes_14, Lizalica_12, London_12, LonelyBoi_13, Loofah_15, Lorelei_14, LouisV14_12, Loviatar_11, Lucky10_11, Lucy_10, Lutum_12, Lynlen_11, MAnor_12, MOOREtheMARYer_12, MScarn_14, MZKinsey_12, MaGuCo_11, MaVan_14, Mabodamaca_11, Maja_11, Makima_14, Makoto_10, Maliketh_12, Malisha_12, Malthus_18, Malvina_14, MamaPearl_10, Maneekul_14, Marav_17, Marcoliusprime_13, MargaretKali_12, Margaret_15, Maria1952_10, Marmie_12, Marteena_13, Maureen_11, Mayweather_13, McDazzle_11, MeganNoll_14, Mercurio_13, Michkear_14, Milly_13, Milomuff_12, MiniMommy_10, Mireles_13, Misaeng_14, MissDaisy_18, MissSwiss_12, Mitti_18, Moki_10, Morkie_11, Morrey_18, MortyNRick_12, Moss_12, Mowgli_12, MrBoss_14, MrGloopy_14, MsUbiquitous_11, Mudpuppy_12, Mufasa_13, MunkgeeRoachy_12, Mysterium_12, Nabi_14, Nancia_10, Nanodon_16, Nebkiss_9, Neoh_12, Nerdos_14, Neroxid_11, Nesbitt_11, Neuvillelette_13, Nibbles_14, Nicky22_12, Nina_13, Niobe_12, Nishikigoi_14, Nitro_12, NoShow_12, NoSwimming_13, Nodigi_14, Nubia_14, ODay_12, OMalley_10, ObiToo_12, OctaviousRex_12, Olga_12, Oliynyk_15, Olliecat_11, Omar_15, OmniCritical_18, Origami_11, Orla_14, OurGirlNessie_10, Oxynfrius_14, Ozzie_14, OzzyJ_15, P3MA_12, PFR1_09, PFR2_09, Pablito_14, Pace1224_12, Paedore_14, Paito_12, PandaPo_12, Paolo_16, PartyCup_14, PastaFagioli_11, Patt_18, Pavo_15, Pecas_11, Peeb_12, Percival_11, Periodt_12, Periwinkle_12, Phabuloso_12, Pharb_16, PhelpsODU_16, Phettuccine_14, PhigPhack_11, Phisb_11, Phish_12, Phistory_12, Phives_13, Phloodle_12, PhorbesPhlower_11, Phrank_16, Phreak_12, Pigu_10, PinkFriday_10, PinkYoshi_12, Pinnie_13, PitaDog_10, Pixelle_12, Plagueis_12, Pollux_13, PondAmelia_12, Pons_12, Posh_13, PotPie_12, Potatoes_14, Powerpuff_12, PrairieDogTown_12, Preamble_10, Primanti_12, Provolone_15, PsychoKiller_12, Pterodactyl_10, Puginator_16, Pumancara_10, Pumpkins_12, Pytheas_13, QMacho_12, Qhanda_18, Quasar_12, Quenya_12, R4_14, RADical_13, RAP15_14, RSchmailzl_13, Rabbs_12, Rana_14, RanchParmCat_15, Rattrick_12, Raya_11, RcigaStruga_14, RedBaron_14, RedBear_16, Reedo_12, Remy19_12, Renaissance_12, Reptar3000_18, Richarlison_12, Riovina_10, Riverdale_14, Roberts_13, RockScotty_12, Rollins_10, Rona_11, Ronaldo_47, Rooter_10, Rowa_11, Rozby_14, Ruriko_12, Rusticus_15, Ruthiejr_17, SPB78_12, Sabourin_12, Saftant_14, SamScheppers_16, Samy_16, SanaSana_12, SansAfet_11, SarBear_11, SarahRose_14, Sarge_11, Savage2526_14, Schaffner_12, Schiebel_12, Scotia_13, Scuttle_14, Sergei_10, ShaboiShabazz_12, Shadow1_15, ShakeltOph_11, Shambre1_12, Sharkboy_11, ShawBrad_12, Shayna_10, SheckWes_11, Shoya_10,

SilverChicken_13, Simpson_13, SirBeanington_11, Sizemore_12, Skelbel_12, SketchMex_11, Skyerus_11, Skylord_10, Slarp_18, Slay_11, Sleepyhead_12, Sneeze_12, Snek_12, Snorlax_14, Socotra_13, Softsoap_11, Solea_12, Soondubu_11, Sooty_12, Sopespian_12, Soul22_13, South40_15, Spartoi_10, SpecialK_12, Speedwell_19, Spooky_12, SqueakyClean_15, Squiddly_13, Squirrel_11, Starburst_13, Stargaze_12, SteamedHams_14, Stellammi_9, Stoor_11, Strobilo_13, Stromboli_11, Studio_13, Stuu_12, SuMoo_10, Subaru_12, Sudan_14, Sue2_12, Sujidade_15, SummitAcademy_11, Sunflower1121_15, SunkenRoot_14, SunnyD_10, SunsetPointe_14, Supakev_10, SuperHands_11, Superstar_17, Suppi_14, Survivors_14, SweatNTears_14, Sweets_12, Swervy_11, Syra333_16, TM4_13, TMaxx_13, TPA4_12, TagePhighter_15, Taheera_12, Tallboi_12, Taquito_16, Tarnish_12, TattModd_14, Tbone_12, Teagster_10, Tefunt_14, Temper16_10, Terror_12, TforTroy_12, Thestral_15, ThursdayNight_11, Tian_12, Tierra_16, Tigress9_16, TinaBelcher_14, TinaBug_12, Tolls_14, TomBrady_12, Toma_14, TripleC_16, Triste_14, Triumph_16, Troje_12, TrvxScott_13, TuanPN_14, Tuck_13, TukTuk_11, Turab_12, Tutumahutu_12, Tweety19_12, Typha_18, Typhonomachy_12, Unicorn_16, Unstoppable_14, Urla_10, Urza_14, UtzChips_10, VResidence_12, VWB_11, Vallejo_14, Vanseggelen_18, Verabelle_15, Verse_14, VieEnRose_14, Vine_13, Vitas_10, Volt_46, VroomVroom_11, Vulture_10, WalkingDead_11, Wallaby_16, Warda_12, Wawa_14, Wayne_14, Wendigo_12, Werner_14, Whatever_14, Whitney_12, Wildwest_13, Wintermute_18, Wolfwood_14, WonderBoy_10, Wrigley_13, Ximenita_17, Y10_18, Y2_18, Yakult_13, YangYin_12, Yang_12, Yarn_11, Yasdn14_14, YasnayaPolyana_18, YesChef_12, Yoshi_13, Yosif_15, Yucky_12, Yummy_13, Yuna_17, Zainub_16, ZamZam_14, Zapner_14, Zareef_14, Zemlya_15, Zeta1847_10, Ziko_47, ZoMa_12, ZoeJ_13, Zombie_12, Zorro_14, phiCAM_15, phiHau3_16,

Summary by start number:

Start 20:

- Found in 139 of 1015 (13.7%) of genes in pham
- Manual Annotations of this start: 111 of 915
- Called 84.2% of time when present
- Phage (with cluster) where this start called: Aaronocolus_14 (BD1), Alsaber_15 (BD3), Alvy_16 (BD2), Amela_14 (BD3), Amethyst_14 (BD2), Andris_14 (BD2), Animus_15 (BD2), Asten_14 (BD1), Axiom_15 (BD2), BarryBee_16 (BD1), BartholomewSD_16 (BD2), BeardedLady_15 (BD1), Bovely_14 (BD1), Bowden_15 (BD2), Brataylor_15 (BD1), BroPlease_15 (BD4), BryanRecycles_15 (BD1), Caelum_15 (BD2), Caliburn_14 (BD1), Celery_17 (BD3), Celeste_14 (BD1), Celia_14 (BD6), Chucky_14 (BD1), Conan_15 (BD3), Danzina_15 (BD1), Dattran_15 (BD1), Daudau_14 (BD2), Dexers_13 (BD3), Diane_14 (BD2), Dwayne_14 (BD1), ELB20_13 (BD2), Eddasa_15 (BD1), Ejemplo_14 (BD1), ElGato_15 (BD3), Emaanora_16 (BD1), EnochSoames_15 (BD1), Esperer_14 (BD1), GirlDinner_14 (BD2), Goby_14 (BD1), Godpower_15 (BD1), GreenWeasel_16 (BD4), Haizum_14 (BD2), Hank144_15 (BD2), Hippo_14 (BD1), Hydra_16 (BD1), Indigo_14 (BD1), Issmi_15 (BD2), Itza_14 (BD6), Izzy_15 (BD1), Janus_15 (BD2), Jash_15 (BD1), Jevington_16 (BD2), Jhitchelle_13 (BD3), Kaine_14 (BD3), Katalie_15 (BD1), Lannister_15 (BD1), Legacy_14 (BD1), Leviticus_14 (BD1), Lika_14 (BD1), Loofah_15 (BD2), Lorelei_14 (BD1), Maneekul_14 (BD1), Marav_17 (BD2), Nabi_14 (BD1), Nanodon_16 (BD1), Nerdos_14 (BD1), Nishikigoi_14 (BD2), Oliynyk_15 (BD1), Omar_15 (BD2), Ozzie_14 (BD1), OzzyJ_15 (BD1), Pablito_14 (BD2), Paedore_14 (BD2), Paolo_16 (BD2), Pavo_15 (BD3), Phettuccine_14 (BD1), Provolone_15 (BD3), Puginator_16 (BD2), R4_14 (BD2), Rana_14 (BD1), RedBear_16 (BD1), Rusticus_15 (BD1), Saftant_14

(BD3), SarahRose_14 (BD1), Snorlax_14 (BD1), South40_15 (BD1), Speedwell_19 (BD3), SqueakyClean_15 (BD2), Sudan_14 (BD3), Sujidade_15 (BD1), SunkenRoot_14 (BD3), SunsetPointe_14 (BD1), Superstar_17 (BD2), TagePighter_15 (BD1), Tefunt_14 (BD2), Thestral_15 (BD2), TinaBelcher_14 (BD2), Toma_14 (BD1), Triste_14 (BD1), Triumph_16 (BD2), TrvxScott_13 (BD2), TuanPN_14 (BD1), Unstoppable_14 (BD1), Urza_14 (BD6), Vanseggelen_18 (BD3), Verabelle_15 (BD3), Verse_14 (BD3), VieEnRose_14 (BD6), Werner_14 (BD1), Whatever_14 (BD1), Yasdnil_14 (BD1), Yosif_15 (BD3), Zainub_16 (BD2), ZamZam_14 (BD3), Zemlya_15 (BD1), phiCAM_15 (BD3), phiHau3_16 (BD4),

Start 24:

- Found in 26 of 1015 (2.6%) of genes in pham
- Manual Annotations of this start: 23 of 915
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_15 (K7), Bobquesha_18 (K4), Chancellor_18 (K4), Cheetobro_18 (K4), DanSyl44_18 (K4), Eponine_18 (K4), Fionnbharth_18 (K4), JF1_18 (K4), Juliette_18 (K4), Kraw_18 (K4), Lebo14_18 (K4), Malthus_18 (K4), MissDaisy_18 (K4), Mitti_18 (K4), OmniCritical_18 (K4), Patt_18 (K4), Qhanda_18 (K4), Reptar3000_18 (K4), Ruthiejr_17 (K4), SamScheppers_16 (K4), Slarp_18 (K4), Taquito_16 (K4), Wintermute_18 (K4), Y10_18 (K4), Y2_18 (K4), YasnayaPolyana_18 (K4),

Start 28:

- Found in 89 of 1015 (8.8%) of genes in pham
- Manual Annotations of this start: 80 of 915
- Called 92.1% of time when present
- Phage (with cluster) where this start called: Angel_12 (G1), Annihilator_12 (G1), Antsirabe_12 (G5), Aroostook_12 (G1), Avrafan_12 (G1), AzulaCat_12 (G1), BPs_12 (G1), BQuat_12 (G1), Barkley26_12 (G1), BruceB_12 (G1), CLED96_12 (G1), Cambiare_13 (G2), Camri_12 (G1), CassieYates_12 (G1), Cedasite_12 (G1), Chance64_12 (G1), Cherrybomb426_12 (G1), Cloudyecho_12 (G3), Coleslaw_12 (G1), Crespo_12 (G1), DMoney_12 (G1), DNAll_0012 (G1), Darionha_12 (G1), DingDing_12 (G1), ECartman_12 (G1), FlagStaff_12 (G2), Frosty24_12 (G1), Gideon_12 (G1), GodSpeed_12 (G2), GoldenAsh_12 (G1), Gomashi_12 (G1), Grizzly_12 (G1), Halo_12 (G1), Hope_12 (G1), Hotshotbaby7_12 (G1), Jane_12 (G1), Jeilious_12 (G), Jolene_12 (G1), Jolie2_12 (G4), JorRay_12 (G1), Kareem_12 (G1), Kasen3_12 (G1), Lemuria_12 (G4), Liefie_12 (G1), LouisV14_12 (G1), MOOREtheMARYer_12 (G3), MZKinsey_12 (G1), Maliketh_12 (G1), Marmie_12 (G1), Mercurio_13 (G4), Mowgli_12 (G1), Neoh_12 (G), OctaviousRex_12 (G1), Olga_12 (G1), Pace1224_12 (G2), Peeb_12 (G1), Periodt_12 (G1), Phloodle_12 (G1), Phreak_12 (G1), PinkYoshi_12 (G1), Pinnie_13 (G3), Plagueis_12 (G1), Rabbs_12 (G1), Rattrick_12 (G1), Remy19_12 (G1), Renaissance_12 (G1), Richarlison_12 (G1), Ruriko_12 (G1), Schiebel_12 (G1), ShaboiShabazz_12 (G1), Sizemore_12 (G1), Sneeze_12 (G1), Stargaze_12 (G5), Sweets_12 (G1), Taheera_12 (G1), Terror_12 (G1), TinaBug_12 (G1), TomBrady_12 (G1), Wendigo_12 (G1), YangYin_12 (G5), ZoMa_12 (G1), Zombie_12 (G1),

Start 31:

- Found in 13 of 1015 (1.3%) of genes in pham
- Manual Annotations of this start: 13 of 915
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bryler_16 (K6), Cain_16 (K6), Krueger_16 (K6), PhelpsODU_16 (K6), Phrank_16 (K6), Shadow1_15 (K6),

Sunflower1121_15 (K6), Syra333_16 (K6), Tierra_16 (K6), Tigress9_16 (K6), Unicorn_16 (K6), Ximenita_17 (K6), Yuna_17 (K6),

Start 34:

- Found in 86 of 1015 (8.5%) of genes in pham
- Manual Annotations of this start: 76 of 915
- Called 89.5% of time when present
- Phage (with cluster) where this start called: Albanese_14 (AK), AppleCider_14 (AK), Beethoven_14 (AK), Bennie_10 (AK), BigMack_10 (AK), Bodacious_10 (AK), BrotherBLo_14 (AK), CallieOMalley_14 (AK), Canowicakte_14 (AK), Carpal_14 (AK), ChewChew_10 (AK), Cholula_14 (AK), Chridison_10 (AK), Christian_10 (AK), CristinaYang_10 (AK), Daiboju_10 (AK), Dino_14 (AK), DrRobert_10 (AK), DreamTeam_10 (AK), EstebanJulior_10 (AK), Fluke_14 (AK), Gisselle_10 (AK), Glenn_14 (AK), Graynor_14 (AK), GreenHearts_14 (AK), Greenhouse_14 (AK), HeadNerd_10 (AK), Herb_10 (AK), Huckleberry_10 (AK), Huntingdon_14 (AK), Immaculata_14 (AK), Joann_14 (AK), Jumboset_14 (AK), Kalizoi_14 (AK), KingBob_10 (AK), Kittykat_10 (AK), Korra_14 (AK), Lakshmi_14 (AK), Lasagna_10 (AK), Lennox_10 (AK), LilStuart_10 (AK), Litotes_14 (AK), Lucy_10 (AK), Makoto_10 (AK), MamaPearl_10 (AK), Maria1952_10 (AK), MeganNoll_14 (AK), Misaeng_14 (AK), Moki_10 (AK), MrGloopy_14 (AK), Nancia_10 (AK), Nubia_14 (AK), OurGirlNessie_10 (AK), Oxyfnrius_14 (AK), PartyCup_14 (AK), PinkFriday_10 (AK), PitaDog_10 (AK), Potatoes_14 (AK), Preamble_10 (AK), Pterodactyl_10 (AK), Pumancara_10 (AK), RAP15_14 (AK), RcigaStruga_14 (AK), Riverdale_14 (AK), Rozby_14 (AK), Savage2526_14 (AK), Scuttle_14 (AK), Sergei_10 (AK), Suppi_14 (AK), TattModd_14 (AK), Temper16_10 (AK), Urla_10 (AK), Vallejo_14 (AK), Wawa_14 (AK), Wayne_14 (AK), WonderBoy_10 (AK), Zorro_14 (AK),

Start 35:

- Found in 1 of 1015 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 915
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rowa_11 (BL),

Start 36:

- Found in 32 of 1015 (3.2%) of genes in pham
- Manual Annotations of this start: 8 of 915
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Aledel_10 (AK), AustinPowers_10 (AK), Eunoia_10 (AK), HunterDalle_10 (AK), OMalley_10 (AK), Riovina_10 (AK), Supakev_10 (AK), Vulture_10 (AK),

Start 37:

- Found in 3 of 1015 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 915
- Called 33.3% of time when present
- Phage (with cluster) where this start called: P3MA_12 (singleton),

Start 38:

- Found in 9 of 1015 (0.9%) of genes in pham
- Manual Annotations of this start: 7 of 915
- Called 77.8% of time when present
- Phage (with cluster) where this start called: Floof_11 (EH), Forester_11 (EH), GardenState_11 (EH), Gretchen_11 (EH), IAmGroot_11 (EH), Percival_11 (EH),

SuperHands_11 (EH),

Start 39:

- Found in 88 of 1015 (8.7%) of genes in pham
- Manual Annotations of this start: 73 of 915
- Called 94.3% of time when present
- Phage (with cluster) where this start called: AEgle_12 (AZ1), AGrandiflora_12 (AZ1), AceofSpades_10 (AZ4), Adumb2043_12 (AZ1), Amploria_12 (AZ1), Amyev_12 (AZ1), Asa16_12 (AZ1), Ascela_12 (AZ1), Ashes_12 (AZ5), Avocado_12 (G2), Barnstormer_10 (EH), Beaupre_12 (AZ5), Berrie_12 (AZ1), Cappuccino_12 (AZ5), Caron_10 (EH), Cassia_12 (AZ1), Community_13 (AZ1), Crewmate_13 (AZ1), Cyan_12 (AZ1), Donkey_12 (AZ5), Elezi_12 (AZ1), Eraser_12 (AZ1), FiveHead_11 (AZ4), Flutur_12 (AZ), Gambol_12 (AZ5), Giorgio_12 (AZ5), Gumpizza_12 (AZ5), Halsey_12 (AZ5), IUFootball_11 (AZ2), Iter_12 (AZ1), IttyBittyPiggy_12 (AZ1), Janeemi_13 (AZ1), JasmineDragon_11 (AZ4), Joemato_12 (AZ1), JohnDoe_12 (AZ1), JohnThicc_11 (AZ4), Jstan_12 (AZ1), JuneStar_12 (AZ1), Kalimba_12 (AZ5), Kaylissa_12 (AZ1), LadyAstra_11 (AZ4), Lego_12 (AZ1), Liebe_11 (AZ2), Lizalica_12 (AZ1), London_12 (AZ1), Mabodamaca_11 (EH), Maureen_11 (AZ2), MiniMommy_10 (AZ4), Moss_12 (AZ5), Mudpuppy_12 (AZ1), Mysterium_12 (AZ5), Niobe_12 (AZ1), Nitro_12 (AZ1), ObiToo_12 (AZ1), Origami_11 (AZ4), Phives_13 (AZ1), Pixelle_12 (AZ1), Powerpuff_12 (AZ1), Pumpkins_12 (AZ1), RockScotty_12 (AZ5), Sabourin_12 (AZ5), Schaffner_12 (AZ1), ShakeltOph_11 (AZ4), Simpson_13 (AZ1), Skelbel_12 (AZ1), Sooty_12 (AZ5), SpecialK_12 (AZ5), Stuu_12 (AZ5), SuMoo_10 (EH), Subaru_12 (AZ1), Tallboi_12 (AZ1), Tbone_12 (AZ1), TforTroy_12 (AZ1), Tian_12 (AZ1), Tuck_13 (AZ1), Turab_12 (AZ1), Tutumahutu_12 (AZ1), UtzChips_10 (EH), VroomVroom_11 (AZ4), Warda_12 (AZ1), Yang_12 (AZ1), YesChef_12 (AZ1), Zeta1847_10 (EH),

Start 40:

- Found in 2 of 1015 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 915
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cen1621_10 (EH), Honk_10 (EH),

Start 41:

- Found in 7 of 1015 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 915
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Emotion_11 (AZ4), Exile_11 (AZ6), MaGuCo_11 (AZ2), Pharb_16 (K3), Soondubu_11 (AZ6), ThursdayNight_11 (AZ),

Start 42:

- Found in 11 of 1015 (1.1%) of genes in pham
- Manual Annotations of this start: 9 of 915
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adolin_12 (AZ1), DrManhattan_12 (AZ1), DrSierra_12 (AZ1), Michkear_14 (AZ), MissSwiss_12 (AZ1), PandaPo_12 (AZ1), Snek_12 (AZ3), Sue2_12 (AZ1), Tweety19_12 (AZ3), VResidence_12 (AZ1), Wildwest_13 (AZ1),

Start 43:

- Found in 246 of 1015 (24.2%) of genes in pham
- Manual Annotations of this start: 214 of 915

- Called 96.3% of time when present
- Phage (with cluster) where this start called: Abidatro_12 (AS1), ActinUp_17 (K1), Adephagia_17 (K1), Adonis_17 (K1), AdoptaAdorbs_11 (AS3), Agent47_15 (K5), Ageofdapage_17 (K1), AlexMinion_11 (AS3), AlishaPH_17 (K1), AlleyCat_15 (K5), Amanises_13 (AS1), Amelia_13 (AS2), Amelie_13 (K1), Amgine_15 (K6), AmiCi24_11 (AS3), Amohnition_16 (K6), Amphitrite_11 (AS3), Anaya_18 (K1), Andrew_12 (AS3), Angelica_17 (K1), Anma_17 (K1), Antrice_12 (AS2), Apocalypse_17 (K1), Applecrisp_15 (K6), Asayake_17 (K1), Atiba_17 (K1), Atlantica_11 (AS3), Azaz_11 (AS3), BEEST_17 (K1), BGlluviae_17 (K1), Babushka_11 (AS3), BadWillHunting_13 (AS2), BaghaKamala_17 (K1), BananenDer11_15 (K5), BarrelRoll_17 (K1), Basilisk_12 (AS1), Bedetta_13 (AS2), Beezoo_17 (K1), Bella96_17 (K1), Belladonna_17 (K1), Bern_17 (K1), Bibble12_13 (AS2), Biglebops_13 (K1), Blizzard_17 (K1), Boiii_17 (K1), Boilgate_14 (K8), Brynnie_12 (AS1), CREW_17 (K1), CallaLilly_17 (K1), Camara_11 (AS3), Capricorn_17 (K1), CaseJules_17 (K1), Chavito_17 (K1), CheetoDust_17 (K1), Chickaboom_11 (AS1), Chicken_12 (AS1), Chris_16 (K1), Clipper_17 (K1), Collard_15 (K5), Colusalem_12 (AS2), Coral_12 (AS2), Cote_13 (AS2), CrimD_17 (K1), Curiosium_18 (K1), Cygnet_12 (AS2), Dadosky_15 (K5), Dalmuri_17 (K1), Damocles_13 (AS2), DanHam62_11 (AS3), Daob_13 (AS2), DartGoblin_17 (K1), DarthP_16 (K6), Dartin_17 (K1), Deby_17 (K1), Devera_17 (K1), Dole_17 (K1), DoubleChamp_15 (K5), DrHayes_17 (K1), Durfee_17 (K1), Edugator_14 (K5), Eesa_12 (AS1), Efra2_17 (K1), Ekdilam_14 (K6), Ellie_14 (K6), Emerson_17 (K1), Fefferhead_16 (K6), Feyre_15 (K5), Fingolfin_11 (AS3), Galaxy_12 (AS1), Ganymede_17 (K1), Gengar_15 (K5), Geraldini_17 (K1), Glotell_11 (AS3), GramZayde_12 (AS2), Gravel_13 (AS1), Guanica15_17 (K1), Guillsminger_15 (K5), HamCheese_11 (AS3), Hammy_16 (K6), HannahPhantana_13 (AS2), HedwigODU_17 (K1), Heftyboy_15 (K5), Homura_17 (K1), Hurricane_16 (K3), Hyperbowlee_17 (K1), Illumine_17 (K1), Inky_17 (K1), InvictusManeo_15 (K5), JAWS_17 (K1), Jamun_12 (AS1), Jarvi_17 (K1), Jayhawk_17 (K1), Jeckyll_17 (K1), Jerole_13 (AS2), Joy99_17 (K1), Juno112_11 (AS3), KHumphrey_11 (AS3), KendraB23_13 (AS1), Kepler_12 (AS2), Keshu_16 (K3), KiSi_16 (K1), Kratio_14 (K5), Kuleana_12 (AS2), Laphuphu24k_11 (AS3), Larva_15 (K5), LaterM_17 (K1), Lavahound_15 (K6), LeMond_16 (K1), Lea83_16 (K3), Leona_11 (AS3), Leston_15 (K5), LilDirt_14 (K5), LilPharaoh_13 (K1), LindNT_17 (K1), LittleTokyo_12 (AS2), Llorens_17 (K1), Lunahalos_17 (K1), Lunar_13 (AS2), MacKat_17 (K1), MacnCheese_17 (K3), MalagasyRose_18 (AG), MarkPhew_17 (K1), Marshawn_18 (K6), McMater_17 (K1), Mdavu_13 (K1), MeaningOfLife_17 (K1), Megsy_17 (K1), Melons_13 (AS2), Miryou_15 (K5), Murucutumbu_17 (K1), Mynx_17 (K1), Neighly_15 (K3), Nergal_16 (AG), Nibb_16 (K1), Niblet_12 (AS1), Nikao_13 (K1), Niklas_17 (K1), November_15 (K6), Nutello_13 (K1), OkiRoe_15 (K5), Omnicron_15 (K5), Oppalora_11 (AS3), Orcanus_12 (AS1), Oscar_16 (K1), OtsoOtso_12 (AS2), Padfoot_17 (K1), Padpat_17 (K1), Paola_15 (K5), Peanam_17 (K1), Peel_17 (K1), Pelletreau_13 (AS1), PhirstandPhine_13 (AS2), PhluffyCoco_11 (AS3), Piatt_17 (K1), Pineda_13 (AS2), Pisa1_16 (K1), Pisa4_16 (K1), Pixie_16 (K3), Pokerus_16 (K1), Polka_12 (AS2), Prithvi_17 (K1), Psycho_15 (K5), QuincyRose_16 (K1), Ramen_17 (K1), Rando14_15 (K5), Rapunzel97_17 (K1), Rattail_11 (AS3), RedFox_11 (AS3), Renna12_12 (AS3), Richo_17 (K1), Rosmarinus_17 (K1), Ruchi_12 (AS1), SamuelLPlaqsom_17 (K1), Scarlett_16 (K1), SgtBeansprout_13 (K1), Shaobing_17 (K1), ShedlockHolmes_16 (K3), Shen_13 (AS1), ShiaSurprise_17 (K1), SirPhilip_16 (K6), Slimphazie_17 (K1), SoSeph_15 (K5), Spock_17 (K1), Stinson_17 (K1), StuartMinion_11 (AS3), Sulley_17 (K1), TBond007_16 (K3), TClif_16 (K6), Tachez_17 (K1), TaiwanKao_17 (K1), TaylorSipht_12 (AS1), Teejan_13 (K1), Thyatira_15 (K5), TingHuaYa_17 (K1), TiniBug_17 (K1), Tiri_17 (K1), Toad24_13

(AS1), Topper_17 (K1), TreyKay_17 (K1), TribbleTrouble_15 (K3), Trice_13 (K1), TruffulaTree_17 (K1), Twitch_17 (K1), Urkel_17 (K1), Validus_17 (K1), Veliki_17 (K1), ViviJ_14 (K5), Vulpecula_12 (AS1), Waterfoul_15 (K5), Westrich_13 (AS1), WileyE_11 (AS1), YoureAdopted_16 (K1), Yunkel11_17 (K1), Zabiza_17 (K1), Zavala_17 (K1), Zhuangyuan_13 (AS2), Zixiang_12 (AS1),

Start 44:

- Found in 2 of 1015 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 915
- Called 100.0% of time when present
- Phage (with cluster) where this start called: KeAlii_12 (AZ1), Reedo_12 (AZ1),

Start 45:

- Found in 28 of 1015 (2.8%) of genes in pham
- Manual Annotations of this start: 21 of 915
- Called 82.1% of time when present
- Phage (with cluster) where this start called: BoostSeason_13 (K2), Buldak_11 (EB), DismalFunk_13 (K2), DismalStressor_13 (K2), Doughnut_13 (K2), FF47_14 (AB), Findley_13 (K2), Gibbzilla_13 (FB), JacoRen57_11 (AB), Maco6_12 (AB), Marcoliusprime_13 (K2), Milly_13 (K2), Muddy_14 (AB), Mufasa_13 (K2), NoShow_12 (AB), Olliecat_11 (EB), Shayna_10 (EB), Squiracle_11 (EB), Strobilo_13 (K2), SunnyD_10 (EB), TM4_13 (K2), Teagster_10 (EB), ZoeJ_13 (K2),

Start 46:

- Found in 5 of 1015 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 915
- Called 60.0% of time when present
- Phage (with cluster) where this start called: CliffHanger_12 (EB), Eden_10 (EB), Franklin22_10 (EB),

Start 47:

- Found in 132 of 1015 (13.0%) of genes in pham
- Manual Annotations of this start: 9 of 915
- Called 9.1% of time when present
- Phage (with cluster) where this start called: AizenPogi_12 (G1), Bipper_18 (Y), Cracklewink_18 (Y), Elfy_10 (FP), Enkosi_13 (K1), ForeverHowLong_12 (G1), Hilltopfarm_18 (Y), Jonghyun_12 (G1), Paito_12 (G1), Primanti_12 (G1), Torres_13 (K1), Typha_18 (Y),

Start 48:

- Found in 59 of 1015 (5.8%) of genes in pham
- Manual Annotations of this start: 52 of 915
- Called 98.3% of time when present
- Phage (with cluster) where this start called: Abigail_11 (EB), Akino08_11 (EB), Albedo_11 (EB), Albright_11 (EB), AnnaLie_12 (EB), Arroyo_12 (EB), Avacadoman_11 (EB), AylexOG_12 (EB), BabyDaisy_12 (EB), BabyYoda_11 (EB), BelmontSKP_12 (EB), Bengal_11 (EB), BubbaBear_11 (EB), Burritobowl_11 (EB), CanFranMach_11 (EB), Cashington_11 (EB), CroZenni_11 (EB), CupcakePrincess_11 (EB), DickRichards_11 (EB), Doobus_11 (EB), Elva_12 (EB), Eula_11 (EB), Finalfrontier_12 (EB), GrimEater_11 (FP), Grist_11 (EB), Icarian_12 (EB), IndyLu_11 (EB), Jabb_11 (EB), Jankie_11 (FP), Johnathan_11 (EB), Jovita_11 (EB), Kate33_11 (EB), Kenzers_11 (EB), Lilo27_11 (EB), LimaBean_11 (EB), LisoBros_11 (FP), Loviatar_11 (EB), Lynlen_11 (EB), Milomuff_12 (EB),

MsUbiquitous_11 (EB), Nicky22_12 (EB), Pecas_11 (EB), PhigPhack_11 (EB), Phisb_11 (EB), PondAmelia_12 (EB), QMacho_12 (EB), SanaSana_12 (EB), SansAfet_11 (EB), SarBear_11 (EB), SirBeanington_11 (EB), Slay_11 (EB), Softsoap_11 (EB), Solea_12 (EB), Stoor_11 (EB), Stromboli_11 (EB), Swervy_11 (EB), TukTuk_11 (EB), WalkingDead_11 (EB),

Start 49:

- Found in 41 of 1015 (4.0%) of genes in pham
- Manual Annotations of this start: 19 of 915
- Called 51.2% of time when present
- Phage (with cluster) where this start called: AbbeyMikolon_11 (BL), AuntGwenStacy_18 (Y), AvGardian_11 (EB), Bachaco_11 (EB), Celaena_11 (EB), ChiliPepper_11 (EB), Didgeridoo_12 (EB), Dismas_11 (EB), Faiyaz_18 (Y), FlameThrower_11 (EB), Kamdara_11 (EB), Katzastrophic_11 (EB), Kieran_11 (EB), Kromp_13 (singleton), Lahqtemish_11 (EB), Nesbitt_11 (BL), PastaFagioli_11 (EB), Quenya_12 (EB), Rona_11 (EB), Sharkboy_11 (EB), TPA4_12 (singleton),

Start 50:

- Found in 41 of 1015 (4.0%) of genes in pham
- Manual Annotations of this start: 32 of 915
- Called 97.6% of time when present
- Phage (with cluster) where this start called: Agamotto_15 (FR), AnnabelleLee_13 (FR), Asapag_12 (DN1), Audell_16 (FR), BENtherdunthat_12 (DN1), BotCity_12 (DN), Budski_12 (DN), CardboardBox_13 (FR), ChamoyPickle_13 (FR), CheeseTouch_12 (DN1), ChipsNGuac_13 (FR), Ezurina_12 (FR), Frickyeah_12 (DN1), Gerri43_13 (FR), Getalong_12 (DN1), Holliday_12 (DN1), Horus_12 (DN1), Kamaru_12 (DN1), Kenna_12 (DN1), LastNadiia_16 (FR), Leroy_12 (DN1), LitninMcQueen_12 (DN1), Lutum_12 (DN1), Makima_14 (FR), Malisha_12 (DN), Mireles_13 (FR), Neroxid_11 (FQ2), Neuville_13 (FR), Periwinkle_12 (DN1), Phabuloso_12 (DN1), Phistory_12 (DN1), Roberts_13 (FR), ShawBrad_12 (DN1), Skyerus_11 (FQ2), Spooky_12 (DN2), Squiddly_13 (DN2), Studio_13 (FR), TMaxx_13 (FR), TripleC_16 (FR), Whitney_12 (DN1),

Start 51:

- Found in 86 of 1015 (8.5%) of genes in pham
- Manual Annotations of this start: 19 of 915
- Called 23.3% of time when present
- Phage (with cluster) where this start called: Armstrong_10 (EB), BAjuniper_11 (EB), Bernstein_10 (EB), Brahms_10 (EB), Clayda5_10 (EB), Coltrane_10 (EB), DirtyBubble_11 (EB), Fryberger_44 (DP), Gack_10 (EB), Guey18_49 (DP), Keelan_42 (DP), LastHope_17 (K1), Rollins_10 (EB), Ronaldo_47 (DP), SPB78_12 (BA), Skylord_10 (EB), Spartoi_10 (singleton), Vitas_10 (EB), Volt_46 (DP), Ziko_47 (DP),

Start 52:

- Found in 1 of 1015 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 915
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shambre1_12 (singleton),

Start 53:

- Found in 41 of 1015 (4.0%) of genes in pham
- Manual Annotations of this start: 5 of 915

- Called 14.6% of time when present
- Phage (with cluster) where this start called: DS6A_15 (singleton), Gaia_9 (X), LilSpotty_11 (singleton), Nebkiss_9 (X), Stellammi_9 (UNK), VWB_11 (BA),

Start 54:

- Found in 4 of 1015 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 915
- Called 50.0% of time when present
- Phage (with cluster) where this start called: BaileyBlu_11 (FP), CallinAllBarbz_11 (FP),

Start 56:

- Found in 117 of 1015 (11.5%) of genes in pham
- Manual Annotations of this start: 1 of 915
- Called 0.9% of time when present
- Phage (with cluster) where this start called: Phish_12 (G1),

Start 57:

- Found in 132 of 1015 (13.0%) of genes in pham
- Manual Annotations of this start: 67 of 915
- Called 62.1% of time when present
- Phage (with cluster) where this start called: Agatha_12 (CT), AikoCarson_11 (CT), Amok_11 (CT), AndPeggy_11 (CT), Axym_12 (CT), Azira_14 (CT), Balloona_11 (CT), Bavidard_12 (CT), BigChungus_11 (CT), BillDoor_14 (CT), Biskit_13 (CT), Blondies_13 (CT), Bubble_12 (CT), Burnsey_12 (CT), Button_13 (CT), Buttrmlkdreams_12 (CT), CanesSauce_12 (CT), CaramelLatte_12 (CT), Carsonalex_13 (CT), CherryonLim_13 (CT), ChickenTender_14 (CT), ChocoMunchkin_12 (CT), Cleo_12 (CT), CocoaPuff_11 (CT), Cozz_12 (CT), Dre3_12 (CT), ElJefes_11 (CT), Elinal_13 (CT), Elliott_12 (CT), Emalyn_11 (CT), Feastonyeet_11 (CT), Fribs8_13 (CT), GiKK_15 (CT), Gibbous_12 (CT), GoldHunter_12 (CT), Hexbug_14 (CT), HippoPololi_14 (CT), Horseradish_13 (CT), Jamzy_15 (CT), KayGee_12 (CT), Lauer_11 (CT), Manor_12 (CT), MScarn_14 (CT), MaVan_14 (CT), Malvina_14 (CT), Margaret_15 (CT), Mayweather_13 (CT), McDazzle_11 (CT), MunkgeeRoachy_12 (CT), Nibbles_14 (CT), Nina_13 (CT), Nodigi_14 (CT), Orla_14 (CT), Pons_12 (CT), PotPie_12 (CT), PsychoKiller_12 (CT), Quasar_12 (CT), RADical_13 (CT), RSchmailzl_13 (CT), RanchParmCat_15 (CT), RedBaron_14 (CT), SheckWes_11 (CT), SketchMex_11 (CT), Socotra_13 (CT), Sopespian_12 (CT), Starburst_13 (CT), SteamedHams_14 (CT), SummitAcademy_11 (CT), Survivors_14 (CT), SweatNTears_14 (CT), Tarnish_12 (CT), Tolls_14 (CT), Troje_12 (CT), Typhonmarchy_12 (CT), Vine_13 (CT), Wallaby_16 (CT), Wolfwood_14 (CT), Yakult_13 (CT), Yarn_11 (CT), Yucky_12 (CT), Yummy_13 (CT), Zareef_14 (CT),

Start 60:

- Found in 19 of 1015 (1.9%) of genes in pham
- Manual Annotations of this start: 17 of 915
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alatato_10 (FB), Aoka_12 (FO), BrayBeast_11 (FB), CocoCinnamon_15 (FO), EvenBluerMoon_12 (FO), Hereford_13 (FO), JanetJ_12 (FO), JeanClaude_11 (FB), Kumotta_12 (FB), Maja_11 (FO), MargaretKali_12 (FB), Morrey_18 (FO), NoSwimming_13 (FO), Pigu_10 (FB), PrairieDogTown_12 (FO), Rooter_10 (FB), Sarge_11 (FB), Scotia_13 (FO), Shoya_10 (FB),

Start 61:

- Found in 15 of 1015 (1.5%) of genes in pham
- No Manual Annotations of this start.
- Called 6.7% of time when present
- Phage (with cluster) where this start called: AinMach_11 (AZ7),

Start 62:

- Found in 36 of 1015 (3.5%) of genes in pham
- Manual Annotations of this start: 7 of 915
- Called 27.8% of time when present
- Phage (with cluster) where this start called: Avani_13 (F2), Blarby_14 (F), Che9d_13 (F2), Demsculpinboyz_13 (F2), Jabbawokkie_14 (F2), MrBoss_14 (AK), SilverChicken_13 (F2), Soul22_13 (F2), Yoshi_13 (F2), Zapner_14 (F2),

Start 64:

- Found in 2 of 1015 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 915
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Samy_16 (singleton),

Start 65:

- Found in 12 of 1015 (1.2%) of genes in pham
- Manual Annotations of this start: 11 of 915
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apricot_12 (DN3), BearBQ_12 (DN), Birdsong_12 (DN), Crater_12 (DN3), Ecliptus_12 (DN), InLimbo_12 (DH), Kuwabara_12 (DN4), Lucky10_11 (DH), Morkie_11 (DH), MortyNRick_12 (DN), ODay_12 (DN), PhorbesPhlower_11 (DH),

Start 67:

- Found in 4 of 1015 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 915
- Called 100.0% of time when present
- Phage (with cluster) where this start called: B22_12 (BW), Doucette_12 (BW), E6_13 (BW), G4_12 (BW),

Start 70:

- Found in 17 of 1015 (1.7%) of genes in pham
- Manual Annotations of this start: 17 of 915
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Angelique_13 (CY1), BeeGee_13 (CY5), Bradissa_13 (CY1), BritBrat_13 (CY2), Cashline_13 (CY6), Confidence_13 (CY1), EMSquaredA_13 (CY1), EnalisNailo_13 (CY1), Floral_13 (CY1), Jablanski_13 (CY3), Lilas_13 (CY1), LonelyBoi_13 (CY7), Marteenaa_13 (CY1), Pollux_13 (CY1), Posh_13 (CY4), Pytheas_13 (CY3), Wrigley_13 (CY4),

Start 73:

- Found in 5 of 1015 (0.5%) of genes in pham
- No Manual Annotations of this start.
- Called 40.0% of time when present
- Phage (with cluster) where this start called: PFR1_09 (BX), PFR2_09 (BX),

Start 76:

- Found in 20 of 1015 (2.0%) of genes in pham
- No Manual Annotations of this start.
- Called 15.0% of time when present
- Phage (with cluster) where this start called: 8UZL_14 (AB), LongHai_15 (AB), Salvus_15 (AB),

Start 78:

- Found in 1 of 1015 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 915
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Juicebox_13 (singleton),

Start 82:

- Found in 77 of 1015 (7.6%) of genes in pham
- No Manual Annotations of this start.
- Called 1.3% of time when present
- Phage (with cluster) where this start called: GTE2_10 (CT),

Start 83:

- Found in 12 of 1015 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 915
- Called 8.3% of time when present
- Phage (with cluster) where this start called: Sleepyhead_12 (singleton),

Start 93:

- Found in 203 of 1015 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 0.5% of time when present
- Phage (with cluster) where this start called: Raya_11 (FQ2),

Summary by clusters:

There are 65 clusters represented in this pham: DN, FP, FR, BA, DH, CY2, BL, CY5, UNK, CY1, K3, K2, K1, BW, K7, K6, K5, K4, K8, BX, DP, FO, G5, G4, G3, AG, G1, BD4, F, DN4, BD6, BD1, BD3, BD2, DN1, CY6, AS3, AS2, AS1, AB, CY7, EH, G, CY4, AK, DN2, EB, DN3, CY3, Y, X, singleton, AZ, G2, CT, F2, FB, FQ2, AZ1, AZ2, AZ3, AZ4, AZ5, AZ6, AZ7,

Info for manual annotations of cluster AB:

- Start number 45 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AG:

- Start number 43 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AK:

- Start number 34 was manually annotated 76 times for cluster AK.
- Start number 36 was manually annotated 8 times for cluster AK.

Info for manual annotations of cluster AS1:

- Start number 43 was manually annotated 17 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 43 was manually annotated 19 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 43 was manually annotated 19 times for cluster AS3.

Info for manual annotations of cluster AZ:

- Start number 41 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:

- Start number 39 was manually annotated 40 times for cluster AZ1.
- Start number 42 was manually annotated 7 times for cluster AZ1.
- Start number 44 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 39 was manually annotated 3 times for cluster AZ2.
- Start number 41 was manually annotated 1 time for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 42 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 39 was manually annotated 7 times for cluster AZ4.
- Start number 41 was manually annotated 1 time for cluster AZ4.

Info for manual annotations of cluster AZ5:

- Start number 39 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster AZ6:

- Start number 41 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BD1:

- Start number 20 was manually annotated 55 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 20 was manually annotated 33 times for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 20 was manually annotated 16 times for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 20 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 20 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster BL:

- Start number 35 was manually annotated 1 time for cluster BL.
- Start number 49 was manually annotated 2 times for cluster BL.

Info for manual annotations of cluster BW:

- Start number 67 was manually annotated 4 times for cluster BW.

Info for manual annotations of cluster CT:

- Start number 57 was manually annotated 67 times for cluster CT.

Info for manual annotations of cluster CY1:

- Start number 70 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 70 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 70 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 70 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:

- Start number 70 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:

- Start number 70 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 70 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster DH:

- Start number 65 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DN:

- Start number 50 was manually annotated 3 times for cluster DN.
- Start number 65 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 50 was manually annotated 16 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 50 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 65 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 65 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:

- Start number 51 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster EB:

- Start number 45 was manually annotated 6 times for cluster EB.
- Start number 46 was manually annotated 3 times for cluster EB.
- Start number 48 was manually annotated 49 times for cluster EB.
- Start number 49 was manually annotated 14 times for cluster EB.

- Start number 51 was manually annotated 11 times for cluster EB.

Info for manual annotations of cluster EH:

- Start number 38 was manually annotated 7 times for cluster EH.
- Start number 39 was manually annotated 6 times for cluster EH.
- Start number 40 was manually annotated 2 times for cluster EH.

Info for manual annotations of cluster F2:

- Start number 62 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster FB:

- Start number 60 was manually annotated 8 times for cluster FB.

Info for manual annotations of cluster FO:

- Start number 60 was manually annotated 9 times for cluster FO.

Info for manual annotations of cluster FP:

- Start number 47 was manually annotated 1 time for cluster FP.
- Start number 48 was manually annotated 3 times for cluster FP.
- Start number 54 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster FR:

- Start number 50 was manually annotated 11 times for cluster FR.

Info for manual annotations of cluster G:

- Start number 28 was manually annotated 2 times for cluster G.

Info for manual annotations of cluster G1:

- Start number 28 was manually annotated 67 times for cluster G1.
- Start number 47 was manually annotated 2 times for cluster G1.
- Start number 56 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster G2:

- Start number 28 was manually annotated 3 times for cluster G2.
- Start number 39 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:

- Start number 28 was manually annotated 3 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 28 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 28 was manually annotated 3 times for cluster G5.

Info for manual annotations of cluster K1:

- Start number 43 was manually annotated 110 times for cluster K1.
- Start number 47 was manually annotated 2 times for cluster K1.
- Start number 51 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K2:

- Start number 45 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 41 was manually annotated 1 time for cluster K3.
- Start number 43 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 24 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 43 was manually annotated 25 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 31 was manually annotated 13 times for cluster K6.
- Start number 43 was manually annotated 13 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 24 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 43 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster UNK:

- Start number 53 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster X:

- Start number 53 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 47 was manually annotated 4 times for cluster Y.
- Start number 49 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: 8UZL_14 Start: 8973, Stop: 9347, Start Num: 76

Candidate Starts for 8UZL_14:

(Start: 43 @8910 has 214 MA's), (Start: 45 @8913 has 21 MA's), (72, 8961), (76, 8973), (90, 8994), (95, 9000), (146, 9072), (156, 9087), (200, 9153), (207, 9165), (220, 9183), (251, 9228), (288, 9291),

Gene: AEgle_12 Start: 9049, Stop: 9459, Start Num: 39

Candidate Starts for AEgle_12:

(Start: 39 @9049 has 73 MA's), (68, 9094), (79, 9118), (250, 9379), (268, 9412),

Gene: AGrandiflora_12 Start: 9036, Stop: 9449, Start Num: 39

Candidate Starts for AGrandiflora_12:

(Start: 39 @9036 has 73 MA's), (79, 9105), (180, 9255), (250, 9366), (268, 9399),

Gene: Aaronocolus_14 Start: 9577, Stop: 10080, Start Num: 20

Candidate Starts for Aaronocolus_14:

(Start: 20 @9577 has 111 MA's), (26, 9607), (Start: 57 @9646 has 67 MA's), (93, 9715), (182, 9850), (204, 9886), (207, 9892), (223, 9919), (227, 9925), (257, 9976), (273, 10003),

Gene: AbbeyMikolon_11 Start: 7783, Stop: 8178, Start Num: 49

Candidate Starts for AbbeyMikolon_11:

(Start: 46 @7780 has 3 MA's), (Start: 49 @7783 has 19 MA's), (Start: 56 @7795 has 1 MA's), (68, 7816), (71, 7822), (74, 7828), (80, 7843), (102, 7864), (117, 7888), (162, 7957), (210, 8029), (212, 8035), (229, 8062), (248, 8092), (274, 8140),

Gene: Abidatro_12 Start: 8321, Stop: 8764, Start Num: 43

Candidate Starts for Abidatro_12:

(Start: 43 @8321 has 214 MA's), (68, 8363), (96, 8417), (132, 8471), (134, 8474), (154, 8507), (218, 8606), (236, 8633), (249, 8657), (251, 8663), (257, 8672),

Gene: Abigail_11 Start: 8030, Stop: 8425, Start Num: 48

Candidate Starts for Abigail_11:

(13, 7904), (Start: 48 @8030 has 52 MA's), (72, 8069), (93, 8096), (150, 8174), (214, 8273), (237, 8306), (288, 8399),

Gene: AceofSpades_10 Start: 7298, Stop: 7693, Start Num: 39

Candidate Starts for AceofSpades_10:

(Start: 39 @7298 has 73 MA's), (173, 7490),

Gene: ActinUp_17 Start: 9979, Stop: 10404, Start Num: 43

Candidate Starts for ActinUp_17:

(Start: 43 @9979 has 214 MA's), (148, 10144), (166, 10171), (171, 10177), (183, 10195), (188, 10201), (214, 10246), (227, 10264), (248, 10282), (297, 10366),

Gene: Adephagia_17 Start: 9979, Stop: 10404, Start Num: 43

Candidate Starts for Adephagia_17:

(Start: 43 @9979 has 214 MA's), (148, 10144), (166, 10171), (171, 10177), (183, 10195), (188, 10201), (214, 10246), (227, 10264), (248, 10282), (297, 10366),

Gene: Adolin_12 Start: 9024, Stop: 9440, Start Num: 42

Candidate Starts for Adolin_12:

(Start: 42 @9024 has 9 MA's), (177, 9240),

Gene: Adonis_17 Start: 9988, Stop: 10413, Start Num: 43

Candidate Starts for Adonis_17:

(Start: 43 @9988 has 214 MA's), (109, 10093), (148, 10153), (166, 10180), (171, 10186), (183, 10204), (188, 10210), (214, 10255), (227, 10273), (248, 10291), (297, 10375),

Gene: AdoptaAdorbs_11 Start: 7902, Stop: 8342, Start Num: 43

Candidate Starts for AdoptaAdorbs_11:

(Start: 43 @7902 has 214 MA's), (72, 7953), (134, 8055), (136, 8058), (158, 8094), (161, 8100), (174, 8115), (218, 8187), (236, 8214), (296, 8313), (299, 8319), (302, 8331),

Gene: Adumb2043_12 Start: 9048, Stop: 9458, Start Num: 39

Candidate Starts for Adumb2043_12:

(Start: 39 @9048 has 73 MA's), (68, 9093), (79, 9117), (250, 9378), (268, 9411),

Gene: Agamotto_15 Start: 10788, Stop: 11180, Start Num: 50

Candidate Starts for Agamotto_15:

(Start: 50 @10788 has 32 MA's), (Start: 57 @10800 has 67 MA's), (110, 10890), (125, 10902), (172, 10974), (208, 11031), (298, 11172),

Gene: Agatha_12 Start: 7522, Stop: 7932, Start Num: 57

Candidate Starts for Agatha_12:

(Start: 57 @7522 has 67 MA's), (77, 7564), (82, 7570), (106, 7609), (135, 7651), (173, 7705), (213, 7765),

Gene: Agent47_15 Start: 10158, Stop: 10580, Start Num: 43

Candidate Starts for Agent47_15:

(11, 10074), (Start: 43 @10158 has 214 MA's), (Start: 47 @10164 has 9 MA's), (Start: 51 @10170 has 19 MA's), (129, 10290), (166, 10347), (171, 10353), (183, 10371), (205, 10407), (207, 10410), (214, 10422), (248, 10458), (281, 10515), (290, 10530), (297, 10542),

Gene: Ageofdapage_17 Start: 9909, Stop: 10334, Start Num: 43

Candidate Starts for Ageofdapage_17:

(Start: 43 @9909 has 214 MA's), (109, 10014), (148, 10074), (166, 10101), (171, 10107), (183, 10125), (188, 10131), (214, 10176), (223, 10188), (227, 10194), (248, 10212), (281, 10269), (297, 10296),

Gene: AikoCarson_11 Start: 7243, Stop: 7653, Start Num: 57

Candidate Starts for AikoCarson_11:

(Start: 57 @7243 has 67 MA's), (77, 7285), (82, 7291), (106, 7330), (135, 7372), (173, 7426), (206, 7474),

Gene: AinMach_11 Start: 8183, Stop: 8566, Start Num: 61

Candidate Starts for AinMach_11:

(Start: 39 @8150 has 73 MA's), (Start: 41 @8153 has 5 MA's), (61, 8183), (68, 8195), (282, 8537),

Gene: AizenPogi_12 Start: 9429, Stop: 9857, Start Num: 47

Candidate Starts for AizenPogi_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Akino08_11 Start: 8216, Stop: 8611, Start Num: 48

Candidate Starts for Akino08_11:

(13, 8090), (Start: 48 @8216 has 52 MA's), (Start: 51 @8219 has 19 MA's), (85, 8279), (248, 8510), (263, 8543), (276, 8564),

Gene: Alatato_10 Start: 7192, Stop: 7572, Start Num: 60

Candidate Starts for Alatato_10:

(Start: 60 @7192 has 17 MA's), (93, 7252), (108, 7270), (163, 7357), (168, 7363), (228, 7459), (232, 7465), (272, 7534),

Gene: Albanese_14 Start: 10476, Stop: 10886, Start Num: 34

Candidate Starts for Albanese_14:

(Start: 34 @10476 has 76 MA's), (137, 10620), (143, 10629), (145, 10632), (162, 10662), (167, 10668), (191, 10701), (263, 10824), (278, 10848),

Gene: Albedo_11 Start: 7905, Stop: 8300, Start Num: 48

Candidate Starts for Albedo_11:

(13, 7779), (Start: 48 @7905 has 52 MA's), (72, 7944), (150, 8049), (214, 8148), (237, 8181), (288, 8274),

Gene: Albright_11 Start: 7911, Stop: 8306, Start Num: 48

Candidate Starts for Albright_11:

(13, 7785), (Start: 48 @7911 has 52 MA's), (93, 7977), (150, 8055), (214, 8154), (237, 8187), (288, 8280),

Gene: Aledel_10 Start: 7551, Stop: 7982, Start Num: 36

Candidate Starts for Aledel_10:

(Start: 34 @7545 has 76 MA's), (Start: 36 @7551 has 8 MA's), (Start: 49 @7572 has 19 MA's), (88, 7644), (137, 7701), (145, 7713), (149, 7722), (164, 7746), (263, 7905),

Gene: AlexMinion_11 Start: 7928, Stop: 8371, Start Num: 43

Candidate Starts for AlexMinion_11:

(Start: 36 @7916 has 8 MA's), (Start: 43 @7928 has 214 MA's), (104, 8036), (136, 8084), (158, 8120), (161, 8126), (218, 8213), (236, 8240), (296, 8339), (299, 8345), (302, 8357),

Gene: AlishaPH_17 Start: 9978, Stop: 10403, Start Num: 43

Candidate Starts for AlishaPH_17:

(Start: 43 @9978 has 214 MA's), (109, 10083), (148, 10143), (166, 10170), (171, 10176), (183, 10194), (188, 10200), (214, 10245), (227, 10263), (248, 10281), (297, 10365),

Gene: AlleyCat_15 Start: 10036, Stop: 10458, Start Num: 43

Candidate Starts for AlleyCat_15:

(11, 9952), (Start: 43 @10036 has 214 MA's), (Start: 47 @10042 has 9 MA's), (Start: 51 @10048 has 19 MA's), (129, 10168), (166, 10225), (171, 10231), (183, 10249), (207, 10288), (214, 10300), (248, 10336), (281, 10393), (297, 10420),

Gene: Alsaber_15 Start: 9636, Stop: 10139, Start Num: 20

Candidate Starts for Alsaber_15:

(Start: 20 @9636 has 111 MA's), (29, 9675), (Start: 57 @9705 has 67 MA's), (74, 9735), (142, 9846), (223, 9978), (273, 10062),

Gene: Alvy_16 Start: 9584, Stop: 10081, Start Num: 20

Candidate Starts for Alvy_16:

(Start: 20 @9584 has 111 MA's), (Start: 53 @9644 has 5 MA's), (Start: 57 @9653 has 67 MA's), (74, 9683), (144, 9797), (189, 9866),

Gene: Amanises_13 Start: 8492, Stop: 8932, Start Num: 43

Candidate Starts for Amanises_13:

(Start: 36 @8480 has 8 MA's), (Start: 43 @8492 has 214 MA's), (92, 8582), (119, 8624), (132, 8642), (134, 8645), (158, 8684), (218, 8777), (236, 8804), (249, 8828), (272, 8864), (296, 8900),

Gene: Amela_14 Start: 9742, Stop: 10245, Start Num: 20

Candidate Starts for Amela_14:

(Start: 20 @9742 has 111 MA's), (26, 9772), (29, 9781), (142, 9952), (223, 10084), (273, 10168),

Gene: Amelia_13 Start: 8497, Stop: 8940, Start Num: 43

Candidate Starts for Amelia_13:

(Start: 43 @8497 has 214 MA's), (92, 8587), (96, 8593), (132, 8647), (134, 8650), (158, 8689), (236, 8809), (249, 8833), (296, 8905), (299, 8911),

Gene: Amelie_13 Start: 9263, Stop: 9688, Start Num: 43

Candidate Starts for Amelie_13:

(3, 9059), (Start: 43 @9263 has 214 MA's), (Start: 47 @9269 has 9 MA's), (Start: 56 @9284 has 1 MA's), (76, 9326), (97, 9353), (148, 9425), (166, 9452), (171, 9458), (183, 9476), (188, 9482), (227, 9545), (248, 9563), (281, 9620), (297, 9647),

Gene: Amethyst_14 Start: 9406, Stop: 9903, Start Num: 20

Candidate Starts for Amethyst_14:

(Start: 20 @9406 has 111 MA's), (Start: 53 @9466 has 5 MA's), (74, 9505), (144, 9619), (207, 9721),

Gene: Amgine_15 Start: 9644, Stop: 10060, Start Num: 43

Candidate Starts for Amgine_15:

(Start: 43 @9644 has 214 MA's), (131, 9779), (148, 9806), (166, 9833), (171, 9839), (183, 9857), (188, 9863), (207, 9896), (209, 9899), (227, 9926), (248, 9944), (281, 10001), (285, 10007), (297, 10028),

Gene: AmCi24_11 Start: 7902, Stop: 8342, Start Num: 43

Candidate Starts for AmCi24_11:

(Start: 43 @7902 has 214 MA's), (72, 7953), (134, 8055), (136, 8058), (158, 8094), (161, 8100), (174, 8115), (218, 8187), (236, 8214), (296, 8313), (299, 8319), (302, 8331),

Gene: Aminay_15 Start: 9848, Stop: 10276, Start Num: 24

Candidate Starts for Aminay_15:

(Start: 24 @9848 has 23 MA's), (Start: 49 @9866 has 19 MA's), (Start: 51 @9869 has 19 MA's), (93, 9941), (97, 9947), (103, 9953), (148, 10019), (183, 10070), (188, 10076), (207, 10109), (248, 10154), (281, 10211), (285, 10217), (297, 10238),

Gene: Amohnition_16 Start: 9965, Stop: 10381, Start Num: 43

Candidate Starts for Amohnition_16:

(Start: 43 @9965 has 214 MA's), (Start: 47 @9971 has 9 MA's), (Start: 56 @9986 has 1 MA's), (131, 10100), (148, 10127), (151, 10133), (171, 10160), (188, 10184), (207, 10217), (209, 10220), (225, 10244), (248, 10265), (281, 10322), (285, 10328), (297, 10349),

Gene: Amok_11 Start: 7243, Stop: 7653, Start Num: 57

Candidate Starts for Amok_11:

(Start: 57 @7243 has 67 MA's), (77, 7285), (82, 7291), (106, 7330), (135, 7372), (173, 7426), (206, 7474),

Gene: Amphitrite_11 Start: 7900, Stop: 8340, Start Num: 43

Candidate Starts for Amphitrite_11:

(Start: 43 @7900 has 214 MA's), (72, 7951), (134, 8053), (136, 8056), (158, 8092), (161, 8098), (174, 8113), (218, 8185), (236, 8212), (296, 8311), (299, 8317), (302, 8329),

Gene: Amploria_12 Start: 9048, Stop: 9458, Start Num: 39

Candidate Starts for Amploria_12:

(Start: 39 @9048 has 73 MA's), (68, 9093), (79, 9117), (250, 9378), (268, 9411),

Gene: Amyev_12 Start: 9064, Stop: 9477, Start Num: 39

Candidate Starts for Amyev_12:

(Start: 39 @9064 has 73 MA's), (68, 9109), (180, 9283), (250, 9394), (268, 9427),

Gene: Anaya_18 Start: 9980, Stop: 10405, Start Num: 43

Candidate Starts for Anaya_18:

(Start: 43 @9980 has 214 MA's), (109, 10085), (148, 10145), (166, 10172), (183, 10196), (188, 10202), (214, 10247), (227, 10265), (248, 10283), (297, 10367),

Gene: AndPeggy_11 Start: 7534, Stop: 7944, Start Num: 57

Candidate Starts for AndPeggy_11:

(Start: 57 @7534 has 67 MA's), (75, 7570), (77, 7576), (82, 7582), (106, 7621), (135, 7663), (173, 7717), (213, 7777),

Gene: Andrew_12 Start: 8281, Stop: 8724, Start Num: 43

Candidate Starts for Andrew_12:

(Start: 43 @8281 has 214 MA's), (72, 8332), (92, 8371), (97, 8380), (132, 8431), (134, 8434), (136, 8437), (158, 8473), (161, 8479), (236, 8593), (245, 8608), (296, 8692), (299, 8698), (302, 8710),

Gene: Andris_14 Start: 9391, Stop: 9888, Start Num: 20

Candidate Starts for Andris_14:

(Start: 20 @9391 has 111 MA's), (74, 9490), (93, 9529), (144, 9604), (205, 9703), (223, 9733),

Gene: Angel_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Angel_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Angelica_17 Start: 9950, Stop: 10375, Start Num: 43

Candidate Starts for Angelica_17:

(Start: 43 @9950 has 214 MA's), (109, 10055), (148, 10115), (166, 10142), (171, 10148), (183, 10166), (188, 10172), (214, 10217), (227, 10235), (248, 10253), (297, 10337),

Gene: Angelique_13 Start: 8261, Stop: 8653, Start Num: 70

Candidate Starts for Angelique_13:

(Start: 70 @8261 has 17 MA's), (198, 8465),

Gene: Animus_15 Start: 9744, Stop: 10241, Start Num: 20

Candidate Starts for Animus_15:

(Start: 20 @9744 has 111 MA's), (74, 9843), (93, 9882), (144, 9957), (205, 10056),

Gene: Anma_17 Start: 9921, Stop: 10346, Start Num: 43

Candidate Starts for Anma_17:

(Start: 43 @9921 has 214 MA's), (148, 10086), (166, 10113), (171, 10119), (183, 10137), (188, 10143), (214, 10188), (225, 10203), (227, 10206), (248, 10224), (297, 10308),

Gene: AnnaLie_12 Start: 8320, Stop: 8715, Start Num: 48

Candidate Starts for AnnaLie_12:

(13, 8194), (Start: 48 @8320 has 52 MA's), (72, 8359), (93, 8386), (150, 8464), (214, 8563), (237, 8596), (288, 8689),

Gene: AnnabelLee_13 Start: 7727, Stop: 8119, Start Num: 50

Candidate Starts for AnnabelLee_13:

(Start: 50 @7727 has 32 MA's), (108, 7826), (110, 7829), (149, 7880), (150, 7883), (208, 7970), (210, 7973), (283, 8087), (298, 8111),

Gene: Annihilator_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Annihilator_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Antrice_12 Start: 8237, Stop: 8680, Start Num: 43

Candidate Starts for Antrice_12:

(Start: 36 @8225 has 8 MA's), (Start: 43 @8237 has 214 MA's), (136, 8393), (174, 8450), (209, 8507), (211, 8510), (249, 8573), (251, 8579), (272, 8612), (296, 8648), (302, 8666),

Gene: Antsirabe_12 Start: 9741, Stop: 10193, Start Num: 28

Candidate Starts for Antsirabe_12:

(Start: 28 @9741 has 80 MA's), (Start: 56 @9771 has 1 MA's), (93, 9843), (159, 9939), (171, 9954), (293, 10140),

Gene: Aoka_12 Start: 8710, Stop: 9090, Start Num: 60

Candidate Starts for Aoka_12:

(Start: 60 @8710 has 17 MA's), (193, 8923), (200, 8935), (246, 9007), (254, 9022),

Gene: Apocalypse_17 Start: 9954, Stop: 10379, Start Num: 43

Candidate Starts for Apocalypse_17:

(Start: 43 @9954 has 214 MA's), (109, 10059), (148, 10119), (166, 10146), (171, 10152), (183, 10170), (188, 10176), (214, 10221), (227, 10239), (248, 10257), (297, 10341),

Gene: AppleCider_14 Start: 10411, Stop: 10824, Start Num: 34

Candidate Starts for AppleCider_14:

(Start: 34 @10411 has 76 MA's), (Start: 62 @10456 has 7 MA's), (137, 10558), (263, 10762),

Gene: Applecrisp_15 Start: 10045, Stop: 10461, Start Num: 43

Candidate Starts for Applecrisp_15:

(Start: 43 @10045 has 214 MA's), (Start: 47 @10051 has 9 MA's), (131, 10180), (148, 10207), (166, 10234), (171, 10240), (183, 10258), (188, 10264), (207, 10297), (227, 10327), (248, 10345), (281, 10402), (285, 10408), (297, 10429),

Gene: Apricot_12 Start: 7390, Stop: 7773, Start Num: 65

Candidate Starts for Apricot_12:

(Start: 65 @7390 has 11 MA's), (95, 7444), (99, 7450), (107, 7462), (123, 7486), (249, 7669), (297, 7759),

Gene: Armstrong_10 Start: 7692, Stop: 8081, Start Num: 51

Candidate Starts for Armstrong_10:

(Start: 51 @7692 has 19 MA's), (150, 7833), (162, 7851), (258, 8004), (263, 8013), (278, 8037), (295, 8067),

Gene: Aroostook_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Aroostook_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Arroyo_12 Start: 8381, Stop: 8776, Start Num: 48

Candidate Starts for Arroyo_12:

(13, 8255), (Start: 48 @8381 has 52 MA's), (93, 8447), (150, 8525), (214, 8624), (237, 8657), (288, 8750),

Gene: Asa16_12 Start: 9018, Stop: 9428, Start Num: 39

Candidate Starts for Asa16_12:

(Start: 39 @9018 has 73 MA's), (79, 9087), (173, 9225), (180, 9237), (250, 9348), (268, 9381),

Gene: Asapag_12 Start: 7041, Stop: 7451, Start Num: 50

Candidate Starts for Asapag_12:

(14, 6912), (19, 6957), (Start: 20 @6963 has 111 MA's), (21, 6969), (25, 6987), (Start: 50 @7041 has 32 MA's), (66, 7068), (89, 7113), (93, 7119), (125, 7173), (151, 7212), (155, 7218), (170, 7239), (203, 7290), (210, 7302),

Gene: Asayake_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Asayake_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Ascela_12 Start: 9053, Stop: 9463, Start Num: 39

Candidate Starts for Ascela_12:

(Start: 39 @9053 has 73 MA's), (79, 9122), (180, 9272), (250, 9383), (268, 9416),

Gene: Ashes_12 Start: 8547, Stop: 8966, Start Num: 39

Candidate Starts for Ashes_12:

(Start: 39 @8547 has 73 MA's), (66, 8589), (244, 8871),

Gene: Asten_14 Start: 9533, Stop: 10036, Start Num: 20

Candidate Starts for Asten_14:

(Start: 20 @9533 has 111 MA's), (140, 9740), (207, 9848), (223, 9875), (227, 9881), (257, 9932), (273, 9959),

Gene: Atiba_17 Start: 9942, Stop: 10367, Start Num: 43

Candidate Starts for Atiba_17:

(Start: 43 @9942 has 214 MA's), (61, 9972), (109, 10047), (148, 10107), (166, 10134), (171, 10140), (183, 10158), (188, 10164), (214, 10209), (227, 10227), (248, 10245), (297, 10329),

Gene: Atlantica_11 Start: 7902, Stop: 8342, Start Num: 43

Candidate Starts for Atlantica_11:

(Start: 43 @7902 has 214 MA's), (72, 7953), (134, 8055), (136, 8058), (158, 8094), (161, 8100), (174, 8115), (218, 8187), (236, 8214), (296, 8313), (299, 8319), (302, 8331),

Gene: Audell_16 Start: 11067, Stop: 11459, Start Num: 50

Candidate Starts for Audell_16:

(Start: 50 @11067 has 32 MA's), (Start: 83 @11130 has 1 MA's), (150, 11223), (172, 11253), (206, 11307), (208, 11310), (210, 11313), (237, 11349), (298, 11451),

Gene: AuntGwenStacy_18 Start: 11997, Stop: 12434, Start Num: 49

Candidate Starts for AuntGwenStacy_18:

(Start: 47 @11994 has 9 MA's), (Start: 49 @11997 has 19 MA's), (91, 12075), (94, 12084), (98, 12090), (103, 12096), (154, 12174), (197, 12240), (218, 12276), (264, 12351), (291, 12390),

Gene: AustinPowers_10 Start: 7552, Stop: 7983, Start Num: 36

Candidate Starts for AustinPowers_10:

(Start: 34 @7546 has 76 MA's), (Start: 36 @7552 has 8 MA's), (Start: 49 @7573 has 19 MA's), (88, 7645), (145, 7714), (149, 7723), (164, 7747), (263, 7906),

Gene: AvGardian_11 Start: 7970, Stop: 8365, Start Num: 49

Candidate Starts for AvGardian_11:

(Start: 49 @7970 has 19 MA's), (85, 8033), (150, 8114), (201, 8189), (214, 8213), (237, 8246), (248, 8264), (288, 8339),

Gene: Avani_13 Start: 7213, Stop: 7617, Start Num: 62

Candidate Starts for Avani_13:

(Start: 62 @7213 has 7 MA's), (77, 7246), (116, 7306), (157, 7372), (232, 7492), (240, 7504), (260, 7540), (279, 7570),

Gene: Avocado_12 Start: 9569, Stop: 10015, Start Num: 39

Candidate Starts for Avocado_12:

(Start: 28 @9542 has 80 MA's), (Start: 39 @9569 has 73 MA's), (Start: 47 @9581 has 9 MA's), (Start: 56 @9596 has 1 MA's), (111, 9692), (159, 9764), (181, 9794), (250, 9890), (293, 9962),

Gene: Avocadoman_11 Start: 7969, Stop: 8364, Start Num: 48

Candidate Starts for Avocadoman_11:

(Start: 48 @7969 has 52 MA's), (72, 8008), (93, 8035), (150, 8113), (214, 8212), (237, 8245), (288, 8338),

Gene: Avrafan_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Avrafan_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Axiom_15 Start: 9429, Stop: 9926, Start Num: 20

Candidate Starts for Axiom_15:

(Start: 20 @9429 has 111 MA's), (74, 9528), (93, 9567), (144, 9642), (205, 9741),

Gene: Axym_12 Start: 7522, Stop: 7932, Start Num: 57

Candidate Starts for Axym_12:

(Start: 57 @7522 has 67 MA's), (77, 7564), (82, 7570), (106, 7609), (135, 7651), (173, 7705), (213, 7765),

Gene: AylexOG_12 Start: 8256, Stop: 8651, Start Num: 48

Candidate Starts for AylexOG_12:

(13, 8130), (Start: 48 @8256 has 52 MA's), (72, 8295), (93, 8322), (150, 8400), (237, 8532), (288, 8625),

Gene: Azaz_11 Start: 7953, Stop: 8393, Start Num: 43

Candidate Starts for Azaz_11:

(Start: 43 @7953 has 214 MA's), (134, 8106), (136, 8109), (158, 8145), (161, 8151), (174, 8166), (218, 8238), (236, 8265), (296, 8364), (299, 8370), (302, 8382),

Gene: Azira_14 Start: 8446, Stop: 8850, Start Num: 57

Candidate Starts for Azira_14:

(Start: 57 @8446 has 67 MA's), (82, 8494), (137, 8575), (163, 8614), (186, 8641), (215, 8689), (253, 8755),

Gene: AzulaCat_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for AzulaCat_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: B22_12 Start: 7687, Stop: 8055, Start Num: 67

Candidate Starts for B22_12:

(7, 7486), (Start: 67 @7687 has 4 MA's), (96, 7744), (127, 7795), (202, 7906), (205, 7912), (213, 7924),

Gene: BAjuniper_11 Start: 7857, Stop: 8243, Start Num: 51

Candidate Starts for BAjuniper_11:

(6, 7680), (Start: 51 @7857 has 19 MA's), (150, 7995), (160, 8010), (246, 8139), (263, 8175),

Gene: BEEST_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for BEEST_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: BENtherdunthat_12 Start: 7041, Stop: 7451, Start Num: 50

Candidate Starts for BENtherdunthat_12:

(14, 6912), (19, 6957), (Start: 20 @6963 has 111 MA's), (21, 6969), (25, 6987), (Start: 50 @7041 has 32 MA's), (66, 7068), (89, 7113), (93, 7119), (125, 7173), (151, 7212), (155, 7218), (170, 7239), (203, 7290), (210, 7302),

Gene: BGlluviae_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for BGlluviae_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: BPs_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for BPs_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: BQuat_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for BQuat_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Babushka_11 Start: 7950, Stop: 8390, Start Num: 43

Candidate Starts for Babushka_11:

(Start: 43 @7950 has 214 MA's), (134, 8103), (136, 8106), (158, 8142), (161, 8148), (169, 8157), (218, 8235), (236, 8262), (296, 8361), (299, 8367), (302, 8379),

Gene: BabyDaisy_12 Start: 8133, Stop: 8531, Start Num: 48

Candidate Starts for BabyDaisy_12:

(Start: 48 @8133 has 52 MA's), (214, 8379), (276, 8484),

Gene: BabyYoda_11 Start: 8162, Stop: 8557, Start Num: 48

Candidate Starts for BabyYoda_11:

(13, 8036), (Start: 48 @8162 has 52 MA's), (Start: 51 @8165 has 19 MA's), (85, 8225), (223, 8420), (248, 8456), (263, 8489), (276, 8510),

Gene: Bachaco_11 Start: 8051, Stop: 8449, Start Num: 49

Candidate Starts for Bachaco_11:

(5, 7853), (6, 7877), (10, 7913), (Start: 49 @8051 has 19 MA's), (Start: 62 @8072 has 7 MA's), (237, 8330), (248, 8348), (263, 8381),

Gene: BadWillHunting_13 Start: 8497, Stop: 8940, Start Num: 43

Candidate Starts for BadWillHunting_13:

(Start: 43 @8497 has 214 MA's), (92, 8587), (96, 8593), (132, 8647), (134, 8650), (158, 8689), (236, 8809), (249, 8833), (296, 8905), (299, 8911),

Gene: BaghaKamala_17 Start: 9945, Stop: 10370, Start Num: 43
Candidate Starts for BaghaKamala_17:
(Start: 43 @9945 has 214 MA's), (Start: 47 @9951 has 9 MA's), (61, 9975), (109, 10050), (148, 10110),
(166, 10137), (171, 10143), (183, 10161), (214, 10212), (227, 10230), (248, 10248), (297, 10332),

Gene: BaileyBlu_11 Start: 6789, Stop: 7178, Start Num: 54
Candidate Starts for BaileyBlu_11:
(Start: 54 @6789 has 2 MA's), (55, 6792), (160, 6951), (208, 7023), (212, 7032),

Gene: Balloona_11 Start: 7288, Stop: 7698, Start Num: 57
Candidate Starts for Balloona_11:
(Start: 57 @7288 has 67 MA's), (82, 7333), (106, 7372), (133, 7411), (141, 7423), (192, 7492), (253, 7597), (297, 7672),

Gene: BananenDer11_15 Start: 10119, Stop: 10541, Start Num: 43
Candidate Starts for BananenDer11_15:
(11, 10035), (Start: 43 @10119 has 214 MA's), (Start: 47 @10125 has 9 MA's), (Start: 51 @10131 has 19 MA's), (129, 10251), (166, 10308), (171, 10314), (183, 10332), (205, 10368), (207, 10371), (214, 10383), (248, 10419), (281, 10476), (290, 10491), (297, 10503),

Gene: Barkley26_12 Start: 9414, Stop: 9857, Start Num: 28
Candidate Starts for Barkley26_12:
(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Barnstormer_10 Start: 8216, Stop: 8632, Start Num: 39
Candidate Starts for Barnstormer_10:
(Start: 39 @8216 has 73 MA's), (197, 8456), (232, 8513),

Gene: BarrelRoll_17 Start: 9971, Stop: 10396, Start Num: 43
Candidate Starts for BarrelRoll_17:
(Start: 43 @9971 has 214 MA's), (109, 10076), (148, 10136), (166, 10163), (171, 10169), (183, 10187),
(188, 10193), (214, 10238), (227, 10256), (248, 10274), (297, 10358),

Gene: BarryBee_16 Start: 9540, Stop: 10043, Start Num: 20
Candidate Starts for BarryBee_16:
(8, 9459), (Start: 20 @9540 has 111 MA's), (140, 9747), (207, 9855), (223, 9882), (227, 9888), (257, 9939), (273, 9966),

Gene: BartholomewSD_16 Start: 9584, Stop: 10081, Start Num: 20
Candidate Starts for BartholomewSD_16:
(Start: 20 @9584 has 111 MA's), (Start: 53 @9644 has 5 MA's), (Start: 57 @9653 has 67 MA's), (74, 9683), (144, 9797), (189, 9866),

Gene: Basilisk_12 Start: 8645, Stop: 9088, Start Num: 43
Candidate Starts for Basilisk_12:
(18, 8570), (Start: 43 @8645 has 214 MA's), (68, 8687), (75, 8705), (96, 8741), (132, 8795), (134, 8798), (158, 8837), (195, 8891), (218, 8930), (236, 8957), (249, 8981), (251, 8987),

Gene: Bavilard_12 Start: 8068, Stop: 8478, Start Num: 57
Candidate Starts for Bavilard_12:
(Start: 57 @8068 has 67 MA's), (82, 8113), (106, 8152), (133, 8191), (141, 8203), (192, 8272), (253, 8377), (297, 8452),

Gene: BearBQ_12 Start: 7390, Stop: 7773, Start Num: 65

Candidate Starts for BearBQ_12:

(Start: 65 @7390 has 11 MA's), (95, 7444), (99, 7450), (107, 7462), (123, 7486), (249, 7669), (297, 7759),

Gene: BeardedLady_15 Start: 9824, Stop: 10327, Start Num: 20

Candidate Starts for BeardedLady_15:

(Start: 20 @9824 has 111 MA's), (26, 9854), (Start: 57 @9893 has 67 MA's), (93, 9962), (182, 10097), (204, 10133), (207, 10139), (223, 10166), (227, 10172), (257, 10223), (273, 10250),

Gene: Beaupre_12 Start: 8548, Stop: 8967, Start Num: 39

Candidate Starts for Beaupre_12:

(Start: 39 @8548 has 73 MA's), (66, 8590), (177, 8767), (244, 8872),

Gene: Bedetta_13 Start: 8497, Stop: 8940, Start Num: 43

Candidate Starts for Bedetta_13:

(Start: 43 @8497 has 214 MA's), (92, 8587), (96, 8593), (132, 8647), (134, 8650), (158, 8689), (236, 8809), (249, 8833), (296, 8905), (299, 8911),

Gene: BeeGee_13 Start: 8263, Stop: 8649, Start Num: 70

Candidate Starts for BeeGee_13:

(27, 8182), (Start: 70 @8263 has 17 MA's),

Gene: Beethoven_14 Start: 10371, Stop: 10784, Start Num: 34

Candidate Starts for Beethoven_14:

(Start: 34 @10371 has 76 MA's), (127, 10506), (137, 10521), (164, 10566), (194, 10608), (263, 10725),

Gene: Beezoo_17 Start: 9999, Stop: 10424, Start Num: 43

Candidate Starts for Beezoo_17:

(Start: 43 @9999 has 214 MA's), (109, 10104), (148, 10164), (166, 10191), (171, 10197), (183, 10215), (188, 10221), (214, 10266), (227, 10284), (248, 10302), (297, 10386),

Gene: Bella96_17 Start: 9900, Stop: 10325, Start Num: 43

Candidate Starts for Bella96_17:

(Start: 43 @9900 has 214 MA's), (109, 10005), (148, 10065), (166, 10092), (171, 10098), (183, 10116), (188, 10122), (214, 10167), (225, 10182), (248, 10203), (297, 10287),

Gene: Belladonna_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Belladonna_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: BelmontSKP_12 Start: 8320, Stop: 8715, Start Num: 48

Candidate Starts for BelmontSKP_12:

(13, 8194), (Start: 48 @8320 has 52 MA's), (72, 8359), (93, 8386), (150, 8464), (214, 8563), (237, 8596), (288, 8689),

Gene: Bengal_11 Start: 7911, Stop: 8306, Start Num: 48

Candidate Starts for Bengal_11:

(13, 7785), (Start: 48 @7911 has 52 MA's), (72, 7950), (93, 7977), (214, 8154), (237, 8187), (288, 8280),

Gene: Bennie_10 Start: 7516, Stop: 7926, Start Num: 34

Candidate Starts for Bennie_10:

(Start: 34 @7516 has 76 MA's), (127, 7648), (137, 7663), (164, 7708), (167, 7711), (194, 7750), (263, 7867),

Gene: Bern_17 Start: 9931, Stop: 10356, Start Num: 43

Candidate Starts for Bern_17:

(Start: 43 @9931 has 214 MA's), (109, 10036), (148, 10096), (166, 10123), (171, 10129), (183, 10147), (188, 10153), (214, 10198), (227, 10216), (248, 10234), (281, 10291), (297, 10318),

Gene: Bernstein_10 Start: 7752, Stop: 8141, Start Num: 51

Candidate Starts for Bernstein_10:

(Start: 51 @7752 has 19 MA's), (150, 7893), (162, 7911), (258, 8064), (263, 8073), (278, 8097), (295, 8127),

Gene: Berrie_12 Start: 9020, Stop: 9430, Start Num: 39

Candidate Starts for Berrie_12:

(Start: 39 @9020 has 73 MA's), (90, 9107), (180, 9239), (250, 9350), (268, 9383),

Gene: Bibble12_13 Start: 8500, Stop: 8943, Start Num: 43

Candidate Starts for Bibble12_13:

(Start: 43 @8500 has 214 MA's), (92, 8590), (96, 8596), (132, 8650), (134, 8653), (158, 8692), (236, 8812), (249, 8836), (296, 8908), (299, 8914),

Gene: BigChungus_11 Start: 7313, Stop: 7723, Start Num: 57

Candidate Starts for BigChungus_11:

(Start: 57 @7313 has 67 MA's), (82, 7358), (106, 7397), (133, 7436), (141, 7448), (192, 7517), (253, 7622), (297, 7697),

Gene: BigMack_10 Start: 7516, Stop: 7926, Start Num: 34

Candidate Starts for BigMack_10:

(Start: 34 @7516 has 76 MA's), (127, 7648), (137, 7663), (164, 7708), (194, 7750), (263, 7867),

Gene: Binglebops_13 Start: 9263, Stop: 9688, Start Num: 43

Candidate Starts for Binglebops_13:

(3, 9059), (Start: 43 @9263 has 214 MA's), (Start: 47 @9269 has 9 MA's), (Start: 56 @9284 has 1 MA's), (76, 9326), (97, 9353), (148, 9425), (166, 9452), (171, 9458), (183, 9476), (188, 9482), (227, 9545), (248, 9563), (281, 9620), (297, 9647),

Gene: BillDoor_14 Start: 7499, Stop: 7909, Start Num: 57

Candidate Starts for BillDoor_14:

(Start: 57 @7499 has 67 MA's), (75, 7535), (77, 7541), (82, 7547), (106, 7586), (135, 7628), (173, 7682), (213, 7742),

Gene: Bipper_18 Start: 12080, Stop: 12517, Start Num: 47

Candidate Starts for Bipper_18:

(Start: 47 @12080 has 9 MA's), (Start: 49 @12083 has 19 MA's), (Start: 83 @12146 has 1 MA's), (91, 12158), (94, 12167), (103, 12179), (143, 12239), (180, 12296), (197, 12323), (202, 12332), (220, 12362), (253, 12419), (275, 12449), (291, 12473),

Gene: Birdsong_12 Start: 7390, Stop: 7773, Start Num: 65

Candidate Starts for Birdsong_12:

(Start: 65 @7390 has 11 MA's), (95, 7444), (99, 7450), (107, 7462), (123, 7486), (249, 7669), (297, 7759),

Gene: Biskit_13 Start: 7506, Stop: 7916, Start Num: 57

Candidate Starts for Biskit_13:

(Start: 57 @7506 has 67 MA's), (77, 7548), (82, 7554), (106, 7593), (135, 7635), (173, 7689), (206, 7737), (213, 7749),

Gene: Blarby_14 Start: 7737, Stop: 8141, Start Num: 62

Candidate Starts for Blarby_14:

(Start: 62 @7737 has 7 MA's), (77, 7770), (116, 7830), (157, 7896), (232, 8016), (240, 8028), (260, 8064), (279, 8094),

Gene: Blizzard_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Blizzard_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Blondies_13 Start: 7492, Stop: 7902, Start Num: 57

Candidate Starts for Blondies_13:

(Start: 57 @7492 has 67 MA's), (77, 7534), (82, 7540), (106, 7579), (135, 7621), (173, 7675), (206, 7723), (213, 7735),

Gene: Bobquesha_18 Start: 10963, Stop: 11388, Start Num: 24

Candidate Starts for Bobquesha_18:

(Start: 24 @10963 has 23 MA's), (97, 11059), (135, 11110), (183, 11182), (188, 11188), (207, 11221), (214, 11233), (248, 11266), (297, 11350),

Gene: Bodacious_10 Start: 7514, Stop: 7924, Start Num: 34

Candidate Starts for Bodacious_10:

(Start: 34 @7514 has 76 MA's), (93, 7607), (127, 7646), (137, 7661), (164, 7706), (194, 7748), (206, 7769), (263, 7865),

Gene: Boiiii_17 Start: 10021, Stop: 10446, Start Num: 43

Candidate Starts for Boiiii_17:

(Start: 43 @10021 has 214 MA's), (109, 10126), (148, 10186), (166, 10213), (171, 10219), (183, 10237), (188, 10243), (214, 10288), (227, 10306), (248, 10324), (297, 10408),

Gene: Boilgate_14 Start: 9968, Stop: 10381, Start Num: 43

Candidate Starts for Boilgate_14:

(12, 9890), (Start: 43 @9968 has 214 MA's), (117, 10082), (151, 10136), (166, 10157), (171, 10163), (181, 10178), (183, 10181), (207, 10220), (248, 10265), (281, 10322), (297, 10349),

Gene: BoostSeason_13 Start: 7954, Stop: 8373, Start Num: 45

Candidate Starts for BoostSeason_13:

(11, 7870), (Start: 45 @7954 has 21 MA's), (Start: 51 @7963 has 19 MA's), (Start: 62 @7984 has 7 MA's), (148, 8113), (166, 8140), (183, 8164), (188, 8170), (223, 8227), (248, 8248), (281, 8305), (290, 8320), (297, 8332),

Gene: BotCity_12 Start: 7039, Stop: 7449, Start Num: 50

Candidate Starts for BotCity_12:

(14, 6910), (19, 6955), (Start: 20 @6961 has 111 MA's), (21, 6967), (25, 6985), (Start: 50 @7039 has 32 MA's), (66, 7066), (89, 7111), (93, 7117), (125, 7171), (151, 7210), (155, 7216), (170, 7237), (203,

7288), (210, 7300),

Gene: Bovely_14 Start: 9583, Stop: 10086, Start Num: 20

Candidate Starts for Bovely_14:

(Start: 20 @9583 has 111 MA's), (26, 9613), (Start: 57 @9652 has 67 MA's), (93, 9721), (182, 9856), (204, 9892), (207, 9898), (223, 9925), (227, 9931), (257, 9982), (273, 10009),

Gene: Bowden_15 Start: 9501, Stop: 9998, Start Num: 20

Candidate Starts for Bowden_15:

(Start: 20 @9501 has 111 MA's), (Start: 53 @9561 has 5 MA's), (Start: 57 @9570 has 67 MA's), (74, 9600), (144, 9714), (189, 9783), (198, 9801),

Gene: Bradissa_13 Start: 8267, Stop: 8653, Start Num: 70

Candidate Starts for Bradissa_13:

(Start: 70 @8267 has 17 MA's), (101, 8324),

Gene: Brahms_10 Start: 7692, Stop: 8081, Start Num: 51

Candidate Starts for Brahms_10:

(Start: 51 @7692 has 19 MA's), (150, 7833), (162, 7851), (258, 8004), (263, 8013), (278, 8037), (295, 8067),

Gene: Brataylor_15 Start: 9546, Stop: 10049, Start Num: 20

Candidate Starts for Brataylor_15:

(Start: 20 @9546 has 111 MA's), (140, 9753), (207, 9861), (223, 9888), (227, 9894), (257, 9945), (273, 9972),

Gene: BrayBeast_11 Start: 7602, Stop: 7979, Start Num: 60

Candidate Starts for BrayBeast_11:

(Start: 60 @7602 has 17 MA's), (93, 7659), (131, 7716), (147, 7743), (163, 7764), (168, 7770), (232, 7872), (254, 7908), (272, 7941),

Gene: BritBrat_13 Start: 8269, Stop: 8655, Start Num: 70

Candidate Starts for BritBrat_13:

(Start: 70 @8269 has 17 MA's), (101, 8326),

Gene: BroPlease_15 Start: 9718, Stop: 10221, Start Num: 20

Candidate Starts for BroPlease_15:

(Start: 20 @9718 has 111 MA's), (Start: 51 @9775 has 19 MA's), (140, 9925), (144, 9931), (182, 9991), (227, 10066), (273, 10144),

Gene: BrotherBLo_14 Start: 10378, Stop: 10791, Start Num: 34

Candidate Starts for BrotherBLo_14:

(Start: 34 @10378 has 76 MA's), (127, 10513), (137, 10528), (164, 10573), (194, 10615), (263, 10732),

Gene: BruceB_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for BruceB_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: BryanRecycles_15 Start: 9740, Stop: 10243, Start Num: 20

Candidate Starts for BryanRecycles_15:

(Start: 20 @9740 has 111 MA's), (26, 9770), (Start: 57 @9809 has 67 MA's), (93, 9878), (182, 10013), (204, 10049), (207, 10055), (223, 10082), (227, 10088), (257, 10139), (273, 10166),

Gene: Bryler_16 Start: 8933, Stop: 9370, Start Num: 31

Candidate Starts for Bryler_16:

(Start: 31 @8933 has 13 MA's), (97, 9023), (105, 9032), (109, 9035), (148, 9095), (183, 9146), (207, 9185), (214, 9197), (227, 9215), (248, 9248), (281, 9305), (290, 9320), (297, 9332),

Gene: Brynnie_12 Start: 8457, Stop: 8900, Start Num: 43

Candidate Starts for Brynnie_12:

(Start: 43 @8457 has 214 MA's), (68, 8499), (96, 8553), (132, 8607), (134, 8610), (158, 8649), (195, 8703), (218, 8742), (236, 8769), (249, 8793), (251, 8799),

Gene: BubbaBear_11 Start: 7905, Stop: 8300, Start Num: 48

Candidate Starts for BubbaBear_11:

(Start: 48 @7905 has 52 MA's), (72, 7944), (150, 8049), (214, 8148), (237, 8181), (288, 8274),

Gene: Bubble_12 Start: 7522, Stop: 7932, Start Num: 57

Candidate Starts for Bubble_12:

(Start: 57 @7522 has 67 MA's), (77, 7564), (82, 7570), (106, 7609), (135, 7651), (173, 7705), (213, 7765),

Gene: Budski_12 Start: 7046, Stop: 7438, Start Num: 50

Candidate Starts for Budski_12:

(14, 6917), (19, 6962), (Start: 20 @6968 has 111 MA's), (21, 6974), (25, 6992), (32, 7010), (Start: 50 @7046 has 32 MA's), (66, 7073), (89, 7118), (93, 7124), (102, 7136), (125, 7160), (151, 7199), (155, 7205), (164, 7220), (170, 7226), (203, 7277), (210, 7289), (248, 7343),

Gene: Buldak_11 Start: 8189, Stop: 8584, Start Num: 45

Candidate Starts for Buldak_11:

(Start: 45 @8189 has 21 MA's), (133, 8306), (149, 8333), (150, 8336), (203, 8414), (224, 8450), (233, 8459), (263, 8516), (278, 8540),

Gene: Burnsey_12 Start: 7523, Stop: 7933, Start Num: 57

Candidate Starts for Burnsey_12:

(Start: 57 @7523 has 67 MA's), (76, 7562), (77, 7565), (82, 7571), (106, 7610), (135, 7652), (173, 7706), (213, 7766),

Gene: Burritobowl_11 Start: 7938, Stop: 8333, Start Num: 48

Candidate Starts for Burritobowl_11:

(13, 7812), (Start: 48 @7938 has 52 MA's), (72, 7977), (93, 8004), (150, 8082), (214, 8181), (237, 8214), (288, 8307),

Gene: Button_13 Start: 7530, Stop: 7934, Start Num: 57

Candidate Starts for Button_13:

(Start: 57 @7530 has 67 MA's), (77, 7572), (106, 7620), (120, 7641), (206, 7764), (234, 7809),

Gene: Buttrmlkdreams_12 Start: 7491, Stop: 7901, Start Num: 57

Candidate Starts for Buttrmlkdreams_12:

(Start: 57 @7491 has 67 MA's), (77, 7533), (82, 7539), (106, 7578), (135, 7620), (173, 7674), (206, 7722), (213, 7734),

Gene: CLED96_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for CLED96_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: CREW_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for CREW_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Caelum_15 Start: 9377, Stop: 9874, Start Num: 20

Candidate Starts for Caelum_15:

(1, 8885), (Start: 20 @9377 has 111 MA's), (Start: 53 @9437 has 5 MA's), (144, 9590), (182, 9650), (186, 9656),

Gene: Cain_16 Start: 8921, Stop: 9358, Start Num: 31

Candidate Starts for Cain_16:

(Start: 31 @8921 has 13 MA's), (97, 9011), (105, 9020), (109, 9023), (148, 9083), (183, 9134), (207, 9173), (214, 9185), (227, 9203), (248, 9236), (281, 9293), (290, 9308), (297, 9320),

Gene: Caliburn_14 Start: 9557, Stop: 10060, Start Num: 20

Candidate Starts for Caliburn_14:

(Start: 20 @9557 has 111 MA's), (26, 9587), (Start: 57 @9626 has 67 MA's), (93, 9695), (182, 9830), (204, 9866), (207, 9872), (223, 9899), (227, 9905), (257, 9956), (273, 9983),

Gene: CallaLilly_17 Start: 9946, Stop: 10371, Start Num: 43

Candidate Starts for CallaLilly_17:

(Start: 43 @9946 has 214 MA's), (109, 10051), (148, 10111), (166, 10138), (171, 10144), (183, 10162), (188, 10168), (214, 10213), (227, 10231), (248, 10249), (297, 10333),

Gene: CallieOMalley_14 Start: 10411, Stop: 10824, Start Num: 34

Candidate Starts for CallieOMalley_14:

(Start: 34 @10411 has 76 MA's), (Start: 62 @10456 has 7 MA's), (137, 10558), (263, 10762),

Gene: CallinAllBarbz_11 Start: 6799, Stop: 7188, Start Num: 54

Candidate Starts for CallinAllBarbz_11:

(Start: 54 @6799 has 2 MA's), (55, 6802), (160, 6961), (212, 7042), (231, 7069),

Gene: Camara_11 Start: 7903, Stop: 8343, Start Num: 43

Candidate Starts for Camara_11:

(Start: 43 @7903 has 214 MA's), (72, 7954), (134, 8056), (136, 8059), (158, 8095), (161, 8101), (174, 8116), (218, 8188), (236, 8215), (296, 8314), (299, 8320), (302, 8332),

Gene: Cambiare_13 Start: 10004, Stop: 10477, Start Num: 28

Candidate Starts for Cambiare_13:

(Start: 28 @10004 has 80 MA's), (Start: 39 @10031 has 73 MA's), (Start: 47 @10043 has 9 MA's), (Start: 56 @10058 has 1 MA's), (111, 10154), (159, 10226), (181, 10256), (250, 10352), (293, 10424),

Gene: Camri_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Camri_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: CanFranMach_11 Start: 7928, Stop: 8323, Start Num: 48

Candidate Starts for CanFranMach_11:

(Start: 48 @7928 has 52 MA's), (93, 7994), (150, 8072), (201, 8147), (237, 8204), (288, 8297),

Gene: CanesSauce_12 Start: 7535, Stop: 7945, Start Num: 57

Candidate Starts for CanesSauce_12:

(Start: 57 @7535 has 67 MA's), (75, 7571), (77, 7577), (82, 7583), (106, 7622), (135, 7664), (173, 7718), (213, 7778),

Gene: Canowicakte_14 Start: 10446, Stop: 10859, Start Num: 34

Candidate Starts for Canowicakte_14:

(Start: 34 @10446 has 76 MA's), (Start: 62 @10491 has 7 MA's), (137, 10593), (206, 10701), (263, 10797),

Gene: Cappuccino_12 Start: 8456, Stop: 8875, Start Num: 39

Candidate Starts for Cappuccino_12:

(Start: 39 @8456 has 73 MA's), (66, 8498), (244, 8780),

Gene: Capricorn_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Capricorn_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: CaramellLatte_12 Start: 7535, Stop: 7945, Start Num: 57

Candidate Starts for CaramellLatte_12:

(Start: 57 @7535 has 67 MA's), (75, 7571), (77, 7577), (82, 7583), (106, 7622), (135, 7664), (173, 7718), (213, 7778),

Gene: CardboardBox_13 Start: 7727, Stop: 8119, Start Num: 50

Candidate Starts for CardboardBox_13:

(Start: 50 @7727 has 32 MA's), (108, 7826), (110, 7829), (149, 7880), (150, 7883), (208, 7970), (210, 7973), (283, 8087), (298, 8111),

Gene: Caron_10 Start: 8244, Stop: 8660, Start Num: 39

Candidate Starts for Caron_10:

(Start: 39 @8244 has 73 MA's), (197, 8484),

Gene: Carpal_14 Start: 10378, Stop: 10791, Start Num: 34

Candidate Starts for Carpal_14:

(Start: 34 @10378 has 76 MA's), (127, 10513), (137, 10528), (164, 10573), (194, 10615), (263, 10732),

Gene: Carsonalex_13 Start: 7579, Stop: 7989, Start Num: 57

Candidate Starts for Carsonalex_13:

(Start: 57 @7579 has 67 MA's), (77, 7621), (82, 7627), (106, 7666), (135, 7708), (173, 7762), (213, 7822),

Gene: CaseJules_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for CaseJules_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Cashington_11 Start: 7928, Stop: 8323, Start Num: 48

Candidate Starts for Cashington_11:

(13, 7802), (Start: 48 @7928 has 52 MA's), (72, 7967), (93, 7994), (150, 8072), (214, 8171), (237, 8204), (288, 8297),

Gene: Cashline_13 Start: 8116, Stop: 8508, Start Num: 70

Candidate Starts for Cashline_13:

(27, 8035), (Start: 70 @8116 has 17 MA's),

Gene: Cassia_12 Start: 9139, Stop: 9552, Start Num: 39

Candidate Starts for Cassia_12:

(Start: 39 @9139 has 73 MA's), (90, 9226), (173, 9346), (180, 9358), (250, 9469), (268, 9502),

Gene: CassieYates_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for CassieYates_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Cedasite_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Cedasite_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Celaena_11 Start: 7988, Stop: 8386, Start Num: 49

Candidate Starts for Celaena_11:

(10, 7850), (30, 7952), (Start: 37 @7970 has 1 MA's), (Start: 49 @7988 has 19 MA's), (Start: 62 @8009 has 7 MA's), (237, 8267), (248, 8285), (263, 8318),

Gene: Celery_17 Start: 9591, Stop: 10094, Start Num: 20

Candidate Starts for Celery_17:

(Start: 20 @9591 has 111 MA's), (29, 9630), (Start: 57 @9660 has 67 MA's), (142, 9801), (273, 10017),

Gene: Celeste_14 Start: 9544, Stop: 10047, Start Num: 20

Candidate Starts for Celeste_14:

(Start: 20 @9544 has 111 MA's), (140, 9751), (207, 9859), (223, 9886), (227, 9892), (257, 9943), (273, 9970),

Gene: Celia_14 Start: 9861, Stop: 10364, Start Num: 20

Candidate Starts for Celia_14:

(Start: 20 @9861 has 111 MA's), (Start: 53 @9921 has 5 MA's), (Start: 57 @9930 has 67 MA's), (71, 9954), (74, 9960), (140, 10068), (144, 10074), (189, 10143), (207, 10176), (223, 10203), (257, 10260), (273, 10287),

Gene: Cen1621_10 Start: 7355, Stop: 7771, Start Num: 40

Candidate Starts for Cen1621_10:

(Start: 40 @7355 has 2 MA's), (268, 7724), (282, 7745),

Gene: ChamoyPickle_13 Start: 7727, Stop: 8119, Start Num: 50

Candidate Starts for ChamoyPickle_13:

(Start: 50 @7727 has 32 MA's), (108, 7826), (110, 7829), (149, 7880), (150, 7883), (208, 7970), (210, 7973), (283, 8087), (298, 8111),

Gene: Chance64_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Chance64_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Chancellor_18 Start: 11221, Stop: 11646, Start Num: 24

Candidate Starts for Chancellor_18:

(Start: 24 @11221 has 23 MA's), (97, 11317), (135, 11368), (183, 11440), (188, 11446), (207, 11479), (214, 11491), (248, 11524), (297, 11608),

Gene: Chavito_17 Start: 9062, Stop: 9484, Start Num: 43

Candidate Starts for Chavito_17:

(Start: 43 @9062 has 214 MA's), (Start: 51 @9074 has 19 MA's), (109, 9164), (148, 9224), (166, 9251), (171, 9257), (183, 9275), (188, 9281), (200, 9302), (214, 9326), (227, 9344), (248, 9362), (290, 9434), (297, 9446),

Gene: Che9d_13 Start: 7222, Stop: 7626, Start Num: 62

Candidate Starts for Che9d_13:

(Start: 62 @7222 has 7 MA's), (77, 7255), (116, 7315), (157, 7381), (232, 7501), (240, 7513), (260, 7549), (279, 7579),

Gene: CheeseTouch_12 Start: 7046, Stop: 7438, Start Num: 50

Candidate Starts for CheeseTouch_12:

(14, 6917), (19, 6962), (Start: 20 @6968 has 111 MA's), (21, 6974), (25, 6992), (32, 7010), (Start: 50 @7046 has 32 MA's), (66, 7073), (89, 7118), (93, 7124), (102, 7136), (125, 7160), (151, 7199), (155, 7205), (164, 7220), (170, 7226), (203, 7277), (210, 7289), (248, 7343),

Gene: CheetoDust_17 Start: 9996, Stop: 10421, Start Num: 43

Candidate Starts for CheetoDust_17:

(Start: 43 @9996 has 214 MA's), (61, 10026), (109, 10101), (148, 10161), (166, 10188), (171, 10194), (183, 10212), (188, 10218), (214, 10263), (227, 10281), (248, 10299), (297, 10383),

Gene: Cheetobro_18 Start: 11221, Stop: 11646, Start Num: 24

Candidate Starts for Cheetobro_18:

(Start: 24 @11221 has 23 MA's), (97, 11317), (135, 11368), (183, 11440), (188, 11446), (207, 11479), (214, 11491), (248, 11524), (297, 11608),

Gene: Cherrybomb426_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Cherrybomb426_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: CherryonLim_13 Start: 8039, Stop: 8449, Start Num: 57

Candidate Starts for CherryonLim_13:

(Start: 57 @8039 has 67 MA's), (82, 8084), (106, 8123), (133, 8162), (141, 8174), (192, 8243), (253, 8348), (297, 8423),

Gene: ChewChew_10 Start: 7513, Stop: 7923, Start Num: 34

Candidate Starts for ChewChew_10:

(Start: 34 @7513 has 76 MA's), (93, 7606), (127, 7645), (137, 7660), (164, 7705), (194, 7747), (206, 7768), (263, 7864),

Gene: Chickaboom_11 Start: 8002, Stop: 8445, Start Num: 43

Candidate Starts for Chickaboom_11:

(Start: 43 @8002 has 214 MA's), (68, 8044), (75, 8062), (96, 8098), (132, 8152), (134, 8155), (158, 8194), (195, 8248), (218, 8287), (236, 8314), (249, 8338), (251, 8344),

Gene: Chicken_12 Start: 8281, Stop: 8721, Start Num: 43

Candidate Starts for Chicken_12:

(Start: 43 @8281 has 214 MA's), (92, 8371), (96, 8377), (119, 8413), (132, 8431), (134, 8434), (158, 8473), (218, 8566), (236, 8593), (249, 8617), (272, 8653), (296, 8689),

Gene: ChickenTender_14 Start: 7565, Stop: 7975, Start Num: 57

Candidate Starts for ChickenTender_14:

(Start: 57 @7565 has 67 MA's), (77, 7607), (82, 7613), (106, 7652), (135, 7694), (165, 7739), (173, 7748), (213, 7808),

Gene: ChiliPepper_11 Start: 8141, Stop: 8542, Start Num: 49

Candidate Starts for ChiliPepper_11:

(Start: 49 @8141 has 19 MA's), (150, 8291), (223, 8405), (263, 8474),

Gene: ChipsNGuac_13 Start: 7727, Stop: 8119, Start Num: 50

Candidate Starts for ChipsNGuac_13:

(Start: 50 @7727 has 32 MA's), (108, 7826), (110, 7829), (149, 7880), (150, 7883), (208, 7970), (210, 7973), (283, 8087), (298, 8111),

Gene: ChocoMunchkin_12 Start: 7535, Stop: 7945, Start Num: 57

Candidate Starts for ChocoMunchkin_12:

(Start: 57 @7535 has 67 MA's), (75, 7571), (77, 7577), (82, 7583), (106, 7622), (135, 7664), (173, 7718), (213, 7778),

Gene: Cholula_14 Start: 10423, Stop: 10836, Start Num: 34

Candidate Starts for Cholula_14:

(Start: 34 @10423 has 76 MA's), (127, 10558), (137, 10573), (164, 10618), (194, 10660), (263, 10777),

Gene: Chridison_10 Start: 7546, Stop: 7983, Start Num: 34

Candidate Starts for Chridison_10:

(Start: 34 @7546 has 76 MA's), (Start: 36 @7552 has 8 MA's), (Start: 49 @7573 has 19 MA's), (88, 7645), (145, 7714), (149, 7723), (164, 7747), (263, 7906),

Gene: Chris_16 Start: 8919, Stop: 9338, Start Num: 43

Candidate Starts for Chris_16:

(Start: 43 @8919 has 214 MA's), (109, 9021), (120, 9039), (148, 9081), (166, 9108), (171, 9114), (200, 9159), (214, 9183), (227, 9201), (248, 9219), (281, 9276), (290, 9291), (297, 9303),

Gene: Christian_10 Start: 7514, Stop: 7924, Start Num: 34

Candidate Starts for Christian_10:

(Start: 34 @7514 has 76 MA's), (93, 7607), (127, 7646), (137, 7661), (164, 7706), (194, 7748), (206, 7769), (263, 7865),

Gene: Chucky_14 Start: 9541, Stop: 10044, Start Num: 20

Candidate Starts for Chucky_14:

(Start: 20 @9541 has 111 MA's), (140, 9748), (207, 9856), (223, 9883), (227, 9889), (257, 9940), (273, 9967),

Gene: Clayda5_10 Start: 7692, Stop: 8081, Start Num: 51

Candidate Starts for Clayda5_10:

(Start: 51 @7692 has 19 MA's), (150, 7833), (162, 7851), (258, 8004), (263, 8013), (278, 8037), (295, 8067),

Gene: Cleo_12 Start: 7746, Stop: 8144, Start Num: 57

Candidate Starts for Cleo_12:

(Start: 57 @7746 has 67 MA's), (82, 7794), (106, 7830), (137, 7875), (143, 7884), (163, 7914), (186, 7941), (192, 7950), (199, 7962), (215, 7989), (253, 8055), (273, 8088),

Gene: CliffHanger_12 Start: 7883, Stop: 8278, Start Num: 46

Candidate Starts for CliffHanger_12:

(Start: 46 @7883 has 3 MA's), (143, 8015), (201, 8105), (233, 8153), (248, 8177), (278, 8234),

Gene: Clipper_17 Start: 9996, Stop: 10421, Start Num: 43

Candidate Starts for Clipper_17:

(Start: 43 @9996 has 214 MA's), (61, 10026), (109, 10101), (148, 10161), (166, 10188), (171, 10194), (183, 10212), (188, 10218), (214, 10263), (227, 10281), (248, 10299), (297, 10383),

Gene: Cloudyecho_12 Start: 9627, Stop: 10079, Start Num: 28

Candidate Starts for Cloudyecho_12:

(Start: 28 @9627 has 80 MA's), (Start: 56 @9657 has 1 MA's), (93, 9729), (97, 9735), (137, 9789), (159, 9825), (198, 9882), (200, 9885), (250, 9951), (285, 10011), (293, 10026),

Gene: CocoCinnamon_15 Start: 8936, Stop: 9316, Start Num: 60

Candidate Starts for CocoCinnamon_15:

(Start: 60 @8936 has 17 MA's), (163, 9101), (168, 9107), (228, 9203), (232, 9209), (254, 9245), (272, 9278),

Gene: CocoaPuff_11 Start: 7288, Stop: 7698, Start Num: 57

Candidate Starts for CocoaPuff_11:

(Start: 57 @7288 has 67 MA's), (82, 7333), (106, 7372), (133, 7411), (141, 7423), (192, 7492), (253, 7597), (297, 7672),

Gene: Coleslaw_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Coleslaw_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Collard_15 Start: 10119, Stop: 10541, Start Num: 43

Candidate Starts for Collard_15:

(11, 10035), (Start: 43 @10119 has 214 MA's), (Start: 47 @10125 has 9 MA's), (Start: 51 @10131 has 19 MA's), (129, 10251), (166, 10308), (171, 10314), (183, 10332), (205, 10368), (207, 10371), (214, 10383), (248, 10419), (281, 10476), (290, 10491), (297, 10503),

Gene: Coltrane_10 Start: 7692, Stop: 8081, Start Num: 51

Candidate Starts for Coltrane_10:

(Start: 51 @7692 has 19 MA's), (150, 7833), (162, 7851), (258, 8004), (263, 8013), (278, 8037), (295, 8067),

Gene: Colusalem_12 Start: 8336, Stop: 8779, Start Num: 43

Candidate Starts for Colusalem_12:

(Start: 43 @8336 has 214 MA's), (92, 8426), (96, 8432), (132, 8486), (134, 8489), (158, 8528), (236, 8648), (249, 8672), (296, 8744), (299, 8750),

Gene: Community_13 Start: 10099, Stop: 10509, Start Num: 39

Candidate Starts for Community_13:

(Start: 39 @10099 has 73 MA's), (68, 10144), (180, 10318), (250, 10429), (268, 10462),

Gene: Conan_15 Start: 9343, Stop: 9846, Start Num: 20

Candidate Starts for Conan_15:

(Start: 20 @9343 has 111 MA's), (29, 9382), (Start: 57 @9412 has 67 MA's), (142, 9553), (223, 9685), (273, 9769),

Gene: Confidence_13 Start: 8263, Stop: 8649, Start Num: 70

Candidate Starts for Confidence_13:

(27, 8182), (Start: 70 @8263 has 17 MA's), (89, 8299), (101, 8320),

Gene: Coral_12 Start: 8336, Stop: 8779, Start Num: 43

Candidate Starts for Coral_12:

(Start: 43 @8336 has 214 MA's), (92, 8426), (96, 8432), (132, 8486), (134, 8489), (158, 8528), (236, 8648), (249, 8672), (296, 8744), (299, 8750),

Gene: Cote_13 Start: 8497, Stop: 8940, Start Num: 43

Candidate Starts for Cote_13:

(Start: 43 @8497 has 214 MA's), (92, 8587), (96, 8593), (132, 8647), (134, 8650), (158, 8689), (236, 8809), (249, 8833), (296, 8905), (299, 8911),

Gene: Cozz_12 Start: 7523, Stop: 7933, Start Num: 57

Candidate Starts for Cozz_12:

(Start: 57 @7523 has 67 MA's), (77, 7565), (82, 7571), (106, 7610), (135, 7652), (173, 7706), (213, 7766),

Gene: Cracklewink_18 Start: 12080, Stop: 12517, Start Num: 47

Candidate Starts for Cracklewink_18:

(Start: 47 @12080 has 9 MA's), (Start: 49 @12083 has 19 MA's), (Start: 83 @12146 has 1 MA's), (91, 12158), (94, 12167), (103, 12179), (143, 12239), (180, 12296), (197, 12323), (202, 12332), (220, 12362), (253, 12419), (275, 12449), (291, 12473),

Gene: Crater_12 Start: 7390, Stop: 7773, Start Num: 65

Candidate Starts for Crater_12:

(Start: 65 @7390 has 11 MA's), (95, 7444), (99, 7450), (107, 7462), (123, 7486), (249, 7669), (297, 7759),

Gene: Crespo_12 Start: 9415, Stop: 9858, Start Num: 28

Candidate Starts for Crespo_12:

(4, 9223), (Start: 28 @9415 has 80 MA's), (Start: 47 @9430 has 9 MA's), (Start: 56 @9445 has 1 MA's), (74, 9478), (93, 9508), (127, 9553), (131, 9559), (250, 9730),

Gene: Crewmate_13 Start: 9485, Stop: 9898, Start Num: 39

Candidate Starts for Crewmate_13:

(Start: 39 @9485 has 73 MA's), (79, 9554), (180, 9704), (250, 9815), (268, 9848),

Gene: CrimD_17 Start: 9948, Stop: 10373, Start Num: 43

Candidate Starts for CrimD_17:

(Start: 43 @9948 has 214 MA's), (109, 10053), (148, 10113), (166, 10140), (171, 10146), (183, 10164), (188, 10170), (214, 10215), (227, 10233), (248, 10251), (297, 10335),

Gene: CristinaYang_10 Start: 7514, Stop: 7924, Start Num: 34

Candidate Starts for CristinaYang_10:

(Start: 34 @7514 has 76 MA's), (93, 7607), (127, 7646), (137, 7661), (164, 7706), (194, 7748), (206, 7769), (263, 7865),

Gene: CroZenni_11 Start: 7911, Stop: 8306, Start Num: 48

Candidate Starts for CroZenni_11:

(13, 7785), (Start: 48 @7911 has 52 MA's), (93, 7977), (150, 8055), (214, 8154), (237, 8187), (288, 8280),

Gene: CupcakePrincess_11 Start: 7951, Stop: 8346, Start Num: 48

Candidate Starts for CupcakePrincess_11:

(13, 7825), (Start: 48 @7951 has 52 MA's), (72, 7990), (93, 8017), (150, 8095), (237, 8227), (288, 8320),

Gene: Curiosium_18 Start: 9430, Stop: 9855, Start Num: 43

Candidate Starts for Curiosium_18:

(Start: 43 @9430 has 214 MA's), (Start: 51 @9442 has 19 MA's), (Start: 56 @9451 has 1 MA's), (148, 9595), (166, 9622), (171, 9628), (183, 9646), (188, 9652), (214, 9697), (225, 9712), (227, 9715), (290, 9805),

Gene: Cyan_12 Start: 9040, Stop: 9453, Start Num: 39

Candidate Starts for Cyan_12:

(Start: 39 @9040 has 73 MA's), (79, 9109), (180, 9259), (250, 9370), (268, 9403),

Gene: Cygnet_12 Start: 8279, Stop: 8722, Start Num: 43

Candidate Starts for Cygnet_12:

(Start: 43 @8279 has 214 MA's), (75, 8339), (81, 8348), (97, 8378), (132, 8429), (174, 8492), (204, 8540), (209, 8549), (211, 8552), (249, 8615), (253, 8624), (272, 8654), (296, 8690), (302, 8708),

Gene: DMoney_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for DMoney_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: DNAIII_0012 Start: 9423, Stop: 9866, Start Num: 28

Candidate Starts for DNAIII_0012:

(4, 9231), (Start: 28 @9423 has 80 MA's), (Start: 47 @9438 has 9 MA's), (Start: 56 @9453 has 1 MA's), (74, 9486), (93, 9516), (127, 9561), (131, 9567), (250, 9738),

Gene: DS6A_15 Start: 10364, Stop: 10735, Start Num: 53

Candidate Starts for DS6A_15:

(Start: 53 @10364 has 5 MA's), (90, 10427), (96, 10439), (115, 10466), (144, 10511), (156, 10532), (193, 10586), (202, 10601), (218, 10628), (227, 10643), (241, 10664), (254, 10688),

Gene: Dadosky_15 Start: 10037, Stop: 10459, Start Num: 43

Candidate Starts for Dadosky_15:

(11, 9953), (Start: 43 @10037 has 214 MA's), (Start: 47 @10043 has 9 MA's), (Start: 51 @10049 has 19 MA's), (129, 10169), (166, 10226), (171, 10232), (183, 10250), (207, 10289), (214, 10301), (248, 10337), (281, 10394), (297, 10421),

Gene: Daiboju_10 Start: 7547, Stop: 7984, Start Num: 34

Candidate Starts for Daiboju_10:

(Start: 34 @7547 has 76 MA's), (Start: 36 @7553 has 8 MA's), (59, 7592), (61, 7595), (127, 7688), (137, 7703), (145, 7715), (149, 7724), (150, 7727), (164, 7748), (263, 7907),

Gene: Dalmuri_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Dalmuri_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Damocles_13 Start: 8497, Stop: 8940, Start Num: 43

Candidate Starts for Damocles_13:

(Start: 43 @8497 has 214 MA's), (92, 8587), (96, 8593), (132, 8647), (134, 8650), (158, 8689), (236, 8809), (249, 8833), (296, 8905), (299, 8911),

Gene: DanHam62_11 Start: 7902, Stop: 8342, Start Num: 43

Candidate Starts for DanHam62_11:

(Start: 43 @7902 has 214 MA's), (72, 7953), (134, 8055), (136, 8058), (158, 8094), (161, 8100), (174, 8115), (218, 8187), (236, 8214), (296, 8313), (299, 8319), (302, 8331),

Gene: DanSyl44_18 Start: 11224, Stop: 11649, Start Num: 24

Candidate Starts for DanSyl44_18:

(Start: 24 @11224 has 23 MA's), (97, 11320), (135, 11371), (183, 11443), (188, 11449), (207, 11482), (214, 11494), (248, 11527), (297, 11611),

Gene: Danzina_15 Start: 9748, Stop: 10251, Start Num: 20

Candidate Starts for Danzina_15:

(Start: 20 @9748 has 111 MA's), (140, 9955), (207, 10063), (223, 10090), (227, 10096), (257, 10147), (273, 10174),

Gene: Daob_13 Start: 8500, Stop: 8943, Start Num: 43

Candidate Starts for Daob_13:

(Start: 43 @8500 has 214 MA's), (92, 8590), (96, 8596), (132, 8650), (134, 8653), (158, 8692), (236, 8812), (249, 8836), (296, 8908), (299, 8914),

Gene: Darionha_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Darionha_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: DartGoblin_17 Start: 9900, Stop: 10325, Start Num: 43

Candidate Starts for DartGoblin_17:

(Start: 43 @9900 has 214 MA's), (109, 10005), (148, 10065), (166, 10092), (171, 10098), (183, 10116), (188, 10122), (214, 10167), (225, 10182), (248, 10203), (297, 10287),

Gene: DarthP_16 Start: 9965, Stop: 10381, Start Num: 43

Candidate Starts for DarthP_16:

(Start: 43 @9965 has 214 MA's), (Start: 56 @9986 has 1 MA's), (131, 10100), (148, 10127), (171, 10160), (188, 10184), (207, 10217), (209, 10220), (225, 10244), (248, 10265), (281, 10322), (285, 10328), (297, 10349),

Gene: Dartin_17 Start: 9056, Stop: 9478, Start Num: 43

Candidate Starts for Dartin_17:

(Start: 43 @9056 has 214 MA's), (109, 9158), (148, 9218), (166, 9245), (171, 9251), (183, 9269), (188, 9275), (200, 9296), (214, 9320), (227, 9338), (248, 9356), (290, 9428), (297, 9440),

Gene: Dattran_15 Start: 9543, Stop: 10046, Start Num: 20

Candidate Starts for Dattran_15:

(Start: 20 @9543 has 111 MA's), (140, 9750), (207, 9858), (223, 9885), (227, 9891), (257, 9942), (273, 9969),

Gene: Daudau_14 Start: 9488, Stop: 9985, Start Num: 20

Candidate Starts for Daudau_14:

(Start: 20 @9488 has 111 MA's), (26, 9518), (Start: 53 @9548 has 5 MA's), (Start: 57 @9557 has 67 MA's), (204, 9797), (257, 9887),

Gene: Deby_17 Start: 9950, Stop: 10375, Start Num: 43

Candidate Starts for Deby_17:

(Start: 43 @9950 has 214 MA's), (109, 10055), (148, 10115), (166, 10142), (171, 10148), (183, 10166), (188, 10172), (214, 10217), (227, 10235), (248, 10253), (297, 10337),

Gene: Demsculpinboyz_13 Start: 7213, Stop: 7617, Start Num: 62

Candidate Starts for Demsculpinboyz_13:

(Start: 62 @7213 has 7 MA's), (77, 7246), (116, 7306), (157, 7372), (232, 7492), (240, 7504), (260, 7540), (279, 7570),

Gene: Devera_17 Start: 9967, Stop: 10392, Start Num: 43

Candidate Starts for Devera_17:

(Start: 43 @9967 has 214 MA's), (109, 10072), (148, 10132), (166, 10159), (171, 10165), (183, 10183), (188, 10189), (214, 10234), (227, 10252), (248, 10270), (281, 10327), (297, 10354),

Gene: Dexers_13 Start: 9339, Stop: 9842, Start Num: 20

Candidate Starts for Dexers_13:

(Start: 20 @9339 has 111 MA's), (29, 9378), (Start: 57 @9408 has 67 MA's), (74, 9438), (142, 9549), (223, 9681), (273, 9765),

Gene: Diane_14 Start: 9405, Stop: 9902, Start Num: 20

Candidate Starts for Diane_14:

(Start: 20 @9405 has 111 MA's), (Start: 53 @9465 has 5 MA's), (74, 9504), (144, 9618), (189, 9687), (207, 9720), (257, 9804),

Gene: DickRichards_11 Start: 8405, Stop: 8800, Start Num: 48

Candidate Starts for DickRichards_11:

(13, 8279), (Start: 48 @8405 has 52 MA's), (72, 8444), (93, 8471), (150, 8549), (214, 8648), (237, 8681), (288, 8774),

Gene: Didgeridoo_12 Start: 8135, Stop: 8533, Start Num: 49

Candidate Starts for Didgeridoo_12:

(Start: 49 @8135 has 19 MA's), (214, 8381), (276, 8486),

Gene: DingDing_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for DingDing_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Dino_14 Start: 10377, Stop: 10790, Start Num: 34

Candidate Starts for Dino_14:

(Start: 34 @10377 has 76 MA's), (127, 10512), (137, 10527), (164, 10572), (194, 10614), (263, 10731),

Gene: DirtyBubble_11 Start: 8173, Stop: 8565, Start Num: 51

Candidate Starts for DirtyBubble_11:

(13, 8044), (Start: 48 @8170 has 52 MA's), (Start: 51 @8173 has 19 MA's), (85, 8233), (223, 8428), (248, 8464), (263, 8497), (276, 8518),

Gene: DismalFunk_13 Start: 7962, Stop: 8381, Start Num: 45

Candidate Starts for DismalFunk_13:

(11, 7878), (Start: 45 @7962 has 21 MA's), (Start: 51 @7971 has 19 MA's), (Start: 62 @7992 has 7 MA's), (148, 8121), (166, 8148), (183, 8172), (188, 8178), (223, 8235), (248, 8256), (281, 8313), (290, 8328), (297, 8340),

Gene: DismalStressor_13 Start: 7962, Stop: 8381, Start Num: 45

Candidate Starts for DismalStressor_13:

(11, 7878), (Start: 45 @7962 has 21 MA's), (Start: 51 @7971 has 19 MA's), (Start: 62 @7992 has 7 MA's), (148, 8121), (166, 8148), (183, 8172), (188, 8178), (223, 8235), (248, 8256), (281, 8313), (290, 8328), (297, 8340),

Gene: Dismas_11 Start: 8141, Stop: 8542, Start Num: 49

Candidate Starts for Dismas_11:

(Start: 49 @8141 has 19 MA's), (150, 8291), (223, 8405), (263, 8474),

Gene: Dole_17 Start: 9969, Stop: 10394, Start Num: 43

Candidate Starts for Dole_17:

(Start: 43 @9969 has 214 MA's), (109, 10074), (148, 10134), (166, 10161), (171, 10167), (183, 10185), (188, 10191), (214, 10236), (227, 10254), (248, 10272), (281, 10329), (297, 10356),

Gene: Donkey_12 Start: 8456, Stop: 8875, Start Num: 39

Candidate Starts for Donkey_12:

(Start: 39 @8456 has 73 MA's), (66, 8498), (244, 8780),

Gene: Doobus_11 Start: 8142, Stop: 8537, Start Num: 48

Candidate Starts for Doobus_11:

(13, 8016), (Start: 48 @8142 has 52 MA's), (93, 8208), (150, 8286), (214, 8385), (237, 8418), (288, 8511),

Gene: DoubleChamp_15 Start: 10119, Stop: 10541, Start Num: 43

Candidate Starts for DoubleChamp_15:

(11, 10035), (Start: 43 @10119 has 214 MA's), (Start: 47 @10125 has 9 MA's), (Start: 51 @10131 has 19 MA's), (129, 10251), (166, 10308), (171, 10314), (183, 10332), (205, 10368), (207, 10371), (214, 10383), (248, 10419), (281, 10476), (290, 10491), (297, 10503),

Gene: Doucette_12 Start: 7747, Stop: 8115, Start Num: 67

Candidate Starts for Doucette_12:

(7, 7546), (Start: 67 @7747 has 4 MA's), (96, 7804), (127, 7855), (202, 7966), (205, 7972), (213, 7984),

Gene: Doughnut_13 Start: 7948, Stop: 8367, Start Num: 45

Candidate Starts for Doughnut_13:

(11, 7864), (Start: 45 @7948 has 21 MA's), (Start: 51 @7957 has 19 MA's), (Start: 62 @7978 has 7 MA's), (148, 8107), (166, 8134), (183, 8158), (188, 8164), (223, 8221), (248, 8242), (281, 8299), (290, 8314), (297, 8326),

Gene: DrHayes_17 Start: 9921, Stop: 10346, Start Num: 43

Candidate Starts for DrHayes_17:

(Start: 43 @9921 has 214 MA's), (148, 10086), (166, 10113), (171, 10119), (183, 10137), (188, 10143), (214, 10188), (225, 10203), (227, 10206), (248, 10224), (297, 10308),

Gene: DrManhattan_12 Start: 9014, Stop: 9430, Start Num: 42

Candidate Starts for DrManhattan_12:

(Start: 42 @9014 has 9 MA's), (177, 9230),

Gene: DrRobert_10 Start: 7514, Stop: 7924, Start Num: 34

Candidate Starts for DrRobert_10:

(Start: 34 @7514 has 76 MA's), (93, 7607), (127, 7646), (137, 7661), (164, 7706), (194, 7748), (206, 7769), (263, 7865),

Gene: DrSierra_12 Start: 9047, Stop: 9463, Start Num: 42

Candidate Starts for DrSierra_12:

(Start: 42 @9047 has 9 MA's), (96, 9143), (133, 9200), (177, 9263),

Gene: Dre3_12 Start: 7693, Stop: 8091, Start Num: 57

Candidate Starts for Dre3_12:

(Start: 57 @7693 has 67 MA's), (82, 7741), (106, 7777), (137, 7822), (143, 7831), (163, 7861), (186, 7888), (192, 7897), (199, 7909), (215, 7936), (253, 8002), (273, 8035),

Gene: DreamTeam_10 Start: 7581, Stop: 7991, Start Num: 34

Candidate Starts for DreamTeam_10:

(Start: 34 @7581 has 76 MA's), (127, 7713), (137, 7728), (164, 7773), (167, 7776), (263, 7932),

Gene: Durfee_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Durfee_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Dwayne_14 Start: 9540, Stop: 10043, Start Num: 20

Candidate Starts for Dwayne_14:

(8, 9459), (Start: 20 @9540 has 111 MA's), (140, 9747), (207, 9855), (223, 9882), (227, 9888), (257, 9939), (273, 9966),

Gene: E6_13 Start: 7798, Stop: 8166, Start Num: 67

Candidate Starts for E6_13:

(7, 7597), (Start: 67 @7798 has 4 MA's), (96, 7855), (127, 7906), (202, 8017), (205, 8023), (213, 8035), (226, 8056),

Gene: ECartman_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for ECartman_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: ELB20_13 Start: 9516, Stop: 10013, Start Num: 20

Candidate Starts for ELB20_13:

(Start: 20 @9516 has 111 MA's), (Start: 53 @9576 has 5 MA's), (Start: 57 @9585 has 67 MA's), (93, 9654), (140, 9723), (190, 9801),

Gene: EMSquaredA_13 Start: 8269, Stop: 8655, Start Num: 70

Candidate Starts for EMSquaredA_13:

(Start: 70 @8269 has 17 MA's), (101, 8326),

Gene: Ecliptus_12 Start: 7118, Stop: 7501, Start Num: 65

Candidate Starts for Ecliptus_12:

(Start: 65 @7118 has 11 MA's), (73, 7133), (95, 7172), (99, 7178), (107, 7190), (123, 7214), (249, 7397), (297, 7487),

Gene: Eddasa_15 Start: 9740, Stop: 10243, Start Num: 20

Candidate Starts for Eddasa_15:

(Start: 20 @9740 has 111 MA's), (26, 9770), (Start: 57 @9809 has 67 MA's), (93, 9878), (182, 10013), (204, 10049), (207, 10055), (223, 10082), (227, 10088), (257, 10139), (273, 10166),

Gene: Eden_10 Start: 7777, Stop: 8181, Start Num: 46

Candidate Starts for Eden_10:

(Start: 46 @7777 has 3 MA's), (Start: 51 @7783 has 19 MA's), (150, 7933), (162, 7951), (203, 8011), (225, 8047), (263, 8113),

Gene: Edugator_14 Start: 10037, Stop: 10459, Start Num: 43

Candidate Starts for Edugator_14:

(11, 9953), (Start: 43 @10037 has 214 MA's), (Start: 47 @10043 has 9 MA's), (Start: 51 @10049 has 19 MA's), (129, 10169), (166, 10226), (171, 10232), (183, 10250), (207, 10289), (214, 10301), (248, 10337), (281, 10394), (297, 10421),

Gene: Eesa_12 Start: 8495, Stop: 8935, Start Num: 43

Candidate Starts for Eesa_12:

(Start: 36 @8483 has 8 MA's), (Start: 43 @8495 has 214 MA's), (92, 8585), (96, 8591), (119, 8627), (132, 8645), (134, 8648), (158, 8687), (218, 8780), (236, 8807), (249, 8831), (272, 8867), (296, 8903),

Gene: Efra2_17 Start: 8922, Stop: 9347, Start Num: 43

Candidate Starts for Efra2_17:

(Start: 43 @8922 has 214 MA's), (Start: 51 @8934 has 19 MA's), (Start: 56 @8943 has 1 MA's), (148, 9087), (166, 9114), (171, 9120), (183, 9138), (188, 9144), (214, 9189), (227, 9207), (248, 9225), (290, 9297), (297, 9309),

Gene: Ejemplo_14 Start: 9543, Stop: 10046, Start Num: 20

Candidate Starts for Ejemplo_14:

(Start: 20 @9543 has 111 MA's), (204, 9852), (207, 9858), (223, 9885), (227, 9891), (257, 9942), (273, 9969),

Gene: Ekdilam_14 Start: 9683, Stop: 10099, Start Num: 43

Candidate Starts for Ekdilam_14:

(Start: 43 @9683 has 214 MA's), (Start: 47 @9689 has 9 MA's), (Start: 56 @9704 has 1 MA's), (131, 9818), (148, 9845), (166, 9872), (171, 9878), (183, 9896), (188, 9902), (207, 9935), (214, 9947), (227, 9965), (248, 9983), (281, 10040), (285, 10046), (297, 10067),

Gene: ElGato_15 Start: 9346, Stop: 9849, Start Num: 20

Candidate Starts for ElGato_15:

(Start: 20 @9346 has 111 MA's), (29, 9385), (Start: 57 @9415 has 67 MA's), (142, 9556), (223, 9688), (273, 9772),

Gene: ElJefes_11 Start: 7765, Stop: 8175, Start Num: 57

Candidate Starts for ElJefes_11:

(Start: 57 @7765 has 67 MA's), (82, 7810), (106, 7849), (133, 7888), (141, 7900), (192, 7969), (253, 8074), (297, 8149),

Gene: Elezi_12 Start: 9019, Stop: 9429, Start Num: 39

Candidate Starts for Elezi_12:

(Start: 39 @9019 has 73 MA's), (79, 9088), (173, 9226), (180, 9238), (250, 9349), (268, 9382),

Gene: Elfy_10 Start: 6715, Stop: 7113, Start Num: 47

Candidate Starts for Elfy_10:

(33, 6688), (Start: 37 @6700 has 1 MA's), (Start: 47 @6715 has 9 MA's), (63, 6742), (93, 6796), (118, 6823), (137, 6850), (153, 6877), (160, 6889), (208, 6961), (222, 6985), (239, 7009),

Gene: Elinal_13 Start: 7294, Stop: 7704, Start Num: 57

Candidate Starts for Elinal_13:

(Start: 57 @7294 has 67 MA's), (82, 7339), (106, 7378), (133, 7417), (141, 7429), (192, 7498), (253, 7603), (297, 7678),

Gene: Elliott_12 Start: 7522, Stop: 7932, Start Num: 57

Candidate Starts for Elliott_12:

(Start: 57 @7522 has 67 MA's), (77, 7564), (82, 7570), (106, 7609), (135, 7651), (173, 7705), (213, 7765),

Gene: Ellie_14 Start: 9718, Stop: 10134, Start Num: 43

Candidate Starts for Ellie_14:

(Start: 43 @9718 has 214 MA's), (Start: 47 @9724 has 9 MA's), (131, 9853), (148, 9880), (166, 9907), (171, 9913), (183, 9931), (188, 9937), (207, 9970), (227, 10000), (248, 10018), (281, 10075), (285, 10081), (297, 10102),

Gene: Elva_12 Start: 8225, Stop: 8620, Start Num: 48

Candidate Starts for Elva_12:

(13, 8099), (Start: 48 @8225 has 52 MA's), (150, 8369), (223, 8483), (248, 8519), (263, 8552), (276, 8573),

Gene: Emaanora_16 Start: 9540, Stop: 10043, Start Num: 20

Candidate Starts for Emaanora_16:

(8, 9459), (Start: 20 @9540 has 111 MA's), (140, 9747), (207, 9855), (223, 9882), (227, 9888), (257, 9939), (273, 9966),

Gene: Emalyn_11 Start: 7242, Stop: 7652, Start Num: 57

Candidate Starts for Emalyn_11:

(Start: 57 @7242 has 67 MA's), (77, 7284), (82, 7290), (106, 7329), (135, 7371), (173, 7425), (206, 7473),

Gene: Emerson_17 Start: 9979, Stop: 10404, Start Num: 43

Candidate Starts for Emerson_17:

(Start: 43 @9979 has 214 MA's), (109, 10084), (148, 10144), (166, 10171), (171, 10177), (183, 10195), (188, 10201), (214, 10246), (227, 10264), (248, 10282), (297, 10366),

Gene: Emotion_11 Start: 7354, Stop: 7758, Start Num: 41

Candidate Starts for Emotion_11:

(Start: 41 @7354 has 5 MA's), (173, 7555),

Gene: EnalisNailo_13 Start: 8269, Stop: 8655, Start Num: 70

Candidate Starts for EnalisNailo_13:

(Start: 70 @8269 has 17 MA's), (101, 8326),

Gene: Enkosi_13 Start: 9269, Stop: 9688, Start Num: 47

Candidate Starts for Enkosi_13:

(3, 9059), (Start: 43 @9263 has 214 MA's), (Start: 47 @9269 has 9 MA's), (Start: 56 @9284 has 1 MA's), (97, 9353), (148, 9425), (166, 9452), (171, 9458), (183, 9476), (188, 9482), (227, 9545), (248, 9563), (281, 9620), (297, 9647),

Gene: EnochSoames_15 Start: 9736, Stop: 10239, Start Num: 20

Candidate Starts for EnochSoames_15:

(Start: 20 @9736 has 111 MA's), (26, 9766), (Start: 57 @9805 has 67 MA's), (93, 9874), (182, 10009), (207, 10051), (223, 10078), (227, 10084), (257, 10135), (273, 10162),

Gene: Eponine_18 Start: 11085, Stop: 11510, Start Num: 24

Candidate Starts for Eponine_18:

(Start: 24 @11085 has 23 MA's), (76, 11154), (183, 11304), (188, 11310), (207, 11343), (214, 11355), (248, 11388), (297, 11472),

Gene: Eraser_12 Start: 9019, Stop: 9429, Start Num: 39

Candidate Starts for Eraser_12:

(Start: 39 @9019 has 73 MA's), (79, 9088), (173, 9226), (180, 9238), (250, 9349), (268, 9382),

Gene: Esperer_14 Start: 9577, Stop: 10080, Start Num: 20

Candidate Starts for Esperer_14:

(Start: 20 @9577 has 111 MA's), (26, 9607), (Start: 57 @9646 has 67 MA's), (93, 9715), (182, 9850), (204, 9886), (207, 9892), (223, 9919), (227, 9925), (257, 9976), (273, 10003),

Gene: EstebanJulior_10 Start: 7558, Stop: 7971, Start Num: 34

Candidate Starts for EstebanJulior_10:

(Start: 34 @7558 has 76 MA's), (72, 7621), (137, 7705), (164, 7750), (167, 7753), (194, 7792), (231, 7852), (263, 7909),

Gene: Eula_11 Start: 7912, Stop: 8307, Start Num: 48

Candidate Starts for Eula_11:

(Start: 48 @7912 has 52 MA's), (72, 7951), (93, 7978), (135, 8029), (150, 8056), (237, 8188), (288, 8281),

Gene: Eunoia_10 Start: 7551, Stop: 7982, Start Num: 36

Candidate Starts for Eunoia_10:

(Start: 34 @7545 has 76 MA's), (Start: 36 @7551 has 8 MA's), (Start: 49 @7572 has 19 MA's), (88, 7644), (137, 7701), (145, 7713), (149, 7722), (164, 7746), (263, 7905),

Gene: EvenBluerMoon_12 Start: 8744, Stop: 9133, Start Num: 60

Candidate Starts for EvenBluerMoon_12:

(Start: 60 @8744 has 17 MA's), (147, 8891), (193, 8957), (200, 8969),

Gene: Exile_11 Start: 8927, Stop: 9337, Start Num: 41

Candidate Starts for Exile_11:

(Start: 41 @8927 has 5 MA's), (268, 9290),

Gene: Ezurina_12 Start: 7295, Stop: 7687, Start Num: 50

Candidate Starts for Ezurina_12:

(Start: 50 @7295 has 32 MA's), (Start: 62 @7316 has 7 MA's), (110, 7397), (149, 7448), (150, 7451), (208, 7538), (210, 7541), (283, 7655), (298, 7679),

Gene: FF47_14 Start: 8879, Stop: 9313, Start Num: 45

Candidate Starts for FF47_14:

(Start: 43 @8876 has 214 MA's), (Start: 45 @8879 has 21 MA's), (72, 8927), (76, 8939), (90, 8960), (95, 8966), (146, 9038), (156, 9053), (200, 9119), (207, 9131), (220, 9149), (251, 9194), (288, 9257),

Gene: Faiyaz_18 Start: 11997, Stop: 12434, Start Num: 49

Candidate Starts for Faiyaz_18:

(Start: 47 @11994 has 9 MA's), (Start: 49 @11997 has 19 MA's), (91, 12075), (94, 12084), (98, 12090), (103, 12096), (154, 12174), (197, 12240), (218, 12276), (264, 12351), (291, 12390),

Gene: Feastonyeet_11 Start: 7313, Stop: 7723, Start Num: 57

Candidate Starts for Feastonyeet_11:

(Start: 57 @7313 has 67 MA's), (82, 7358), (106, 7397), (133, 7436), (141, 7448), (192, 7517), (253, 7622), (297, 7697),

Gene: Fefferhead_16 Start: 9885, Stop: 10301, Start Num: 43

Candidate Starts for Fefferhead_16:

(Start: 43 @9885 has 214 MA's), (131, 10020), (148, 10047), (166, 10074), (171, 10080), (183, 10098), (188, 10104), (207, 10137), (227, 10167), (248, 10185), (281, 10242), (285, 10248), (297, 10269),

Gene: Feyre_15 Start: 9985, Stop: 10407, Start Num: 43

Candidate Starts for Feyre_15:

(11, 9901), (Start: 43 @9985 has 214 MA's), (Start: 47 @9991 has 9 MA's), (Start: 51 @9997 has 19 MA's), (103, 10081), (129, 10117), (166, 10174), (171, 10180), (183, 10198), (207, 10237), (209, 10240), (214, 10249), (248, 10285), (281, 10342), (290, 10357), (297, 10369),

Gene: Finalfrontier_12 Start: 8424, Stop: 8819, Start Num: 48

Candidate Starts for Finalfrontier_12:

(Start: 48 @8424 has 52 MA's), (72, 8463), (93, 8490), (150, 8568), (237, 8700), (288, 8793),

Gene: Findley_13 Start: 7962, Stop: 8381, Start Num: 45

Candidate Starts for Findley_13:

(11, 7878), (Start: 45 @7962 has 21 MA's), (Start: 51 @7971 has 19 MA's), (Start: 62 @7992 has 7 MA's), (148, 8121), (166, 8148), (183, 8172), (188, 8178), (223, 8235), (248, 8256), (281, 8313), (290, 8328), (297, 8340),

Gene: Fingolfin_11 Start: 7903, Stop: 8343, Start Num: 43

Candidate Starts for Fingolfin_11:

(Start: 43 @7903 has 214 MA's), (72, 7954), (134, 8056), (136, 8059), (158, 8095), (161, 8101), (174, 8116), (218, 8188), (236, 8215), (296, 8314), (299, 8320), (302, 8332),

Gene: Fionnbharth_18 Start: 11211, Stop: 11636, Start Num: 24

Candidate Starts for Fionnbharth_18:

(Start: 24 @11211 has 23 MA's), (97, 11307), (183, 11430), (188, 11436), (207, 11469), (214, 11481), (248, 11514), (297, 11598),

Gene: FiveHead_11 Start: 7283, Stop: 7678, Start Num: 39

Candidate Starts for FiveHead_11:

(Start: 39 @7283 has 73 MA's), (173, 7475),

Gene: FlagStaff_12 Start: 9474, Stop: 9932, Start Num: 28

Candidate Starts for FlagStaff_12:

(4, 9285), (Start: 28 @9474 has 80 MA's), (Start: 39 @9501 has 73 MA's), (Start: 47 @9513 has 9 MA's), (Start: 56 @9528 has 1 MA's), (111, 9624), (159, 9696), (181, 9726), (250, 9822), (293, 9894),

Gene: FlameThrower_11 Start: 7876, Stop: 8274, Start Num: 49

Candidate Starts for FlameThrower_11:

(5, 7678), (Start: 49 @7876 has 19 MA's), (Start: 62 @7897 has 7 MA's), (237, 8155), (248, 8173), (263, 8206),

Gene: Floof_11 Start: 7791, Stop: 8213, Start Num: 38

Candidate Starts for Floof_11:

(Start: 38 @7791 has 7 MA's), (100, 7884), (104, 7890), (112, 7905), (173, 7995), (197, 8034), (208, 8052), (274, 8163),

Gene: Floral_13 Start: 8269, Stop: 8655, Start Num: 70

Candidate Starts for Floral_13:

(Start: 70 @8269 has 17 MA's), (101, 8326),

Gene: Fluke_14 Start: 10419, Stop: 10832, Start Num: 34

Candidate Starts for Fluke_14:

(Start: 34 @10419 has 76 MA's), (127, 10554), (164, 10614), (194, 10656), (263, 10773),

Gene: Flutur_12 Start: 9039, Stop: 9452, Start Num: 39

Candidate Starts for Flutur_12:

(Start: 39 @9039 has 73 MA's), (79, 9108), (250, 9369), (268, 9402),

Gene: Forester_11 Start: 9343, Stop: 9765, Start Num: 38

Candidate Starts for Forester_11:

(Start: 38 @9343 has 7 MA's), (100, 9436), (104, 9442), (112, 9457), (173, 9547), (197, 9586), (208, 9604), (274, 9715),

Gene: ForeverHowLong_12 Start: 9424, Stop: 9852, Start Num: 47

Candidate Starts for ForeverHowLong_12:

(Start: 28 @9409 has 80 MA's), (Start: 47 @9424 has 9 MA's), (Start: 56 @9439 has 1 MA's), (74, 9472), (127, 9547), (131, 9553), (250, 9724),

Gene: Franklin22_10 Start: 7758, Stop: 8153, Start Num: 46

Candidate Starts for Franklin22_10:

(Start: 46 @7758 has 3 MA's), (Start: 51 @7764 has 19 MA's), (150, 7905), (162, 7923), (263, 8085),

Gene: Fribs8_13 Start: 8259, Stop: 8663, Start Num: 57

Candidate Starts for Fribs8_13:

(Start: 57 @8259 has 67 MA's), (82, 8307), (137, 8388), (163, 8427), (186, 8454), (215, 8502), (221, 8511), (253, 8568),

Gene: Frickyeah_12 Start: 7041, Stop: 7451, Start Num: 50

Candidate Starts for Frickyeah_12:

(14, 6912), (19, 6957), (Start: 20 @6963 has 111 MA's), (21, 6969), (25, 6987), (Start: 50 @7041 has 32 MA's), (66, 7068), (89, 7113), (93, 7119), (125, 7173), (151, 7212), (155, 7218), (170, 7239), (203, 7290), (210, 7302),

Gene: Frosty24_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Frosty24_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Fryberger_44 Start: 16578, Stop: 16958, Start Num: 51

Candidate Starts for Fryberger_44:

(Start: 51 @16578 has 19 MA's), (72, 16617), (Start: 83 @16641 has 1 MA's), (131, 16698), (168, 16755), (198, 16803), (231, 16857), (247, 16872),

Gene: G4_12 Start: 7735, Stop: 8103, Start Num: 67

Candidate Starts for G4_12:

(7, 7534), (Start: 67 @7735 has 4 MA's), (96, 7792), (202, 7954), (205, 7960), (213, 7972), (228, 7996),

Gene: GTE2_10 Start: 7243, Stop: 7605, Start Num: 82

Candidate Starts for GTE2_10:

(Start: 57 @7195 has 67 MA's), (75, 7231), (77, 7237), (82, 7243), (106, 7282), (135, 7324), (173, 7378), (206, 7426), (213, 7438),

Gene: Gack_10 Start: 7830, Stop: 8219, Start Num: 51

Candidate Starts for Gack_10:

(Start: 51 @7830 has 19 MA's), (117, 7917), (150, 7971), (160, 7986), (218, 8076), (248, 8118), (263, 8151),

Gene: Gaia_9 Start: 7642, Stop: 8013, Start Num: 53

Candidate Starts for Gaia_9:

(Start: 53 @7642 has 5 MA's), (109, 7738), (121, 7759), (140, 7786), (142, 7789), (144, 7792), (154, 7807), (193, 7864), (200, 7876), (225, 7921), (262, 7981), (266, 7987), (269, 7993),

Gene: Galaxy_12 Start: 8328, Stop: 8771, Start Num: 43

Candidate Starts for Galaxy_12:

(Start: 43 @8328 has 214 MA's), (96, 8424), (132, 8478), (134, 8481), (154, 8514), (218, 8613), (236, 8640), (249, 8664), (251, 8670), (257, 8679),

Gene: Gambol_12 Start: 8456, Stop: 8875, Start Num: 39

Candidate Starts for Gambol_12:

(Start: 39 @8456 has 73 MA's), (66, 8498), (244, 8780),

Gene: Ganymede_17 Start: 9996, Stop: 10421, Start Num: 43

Candidate Starts for Ganymede_17:

(Start: 43 @9996 has 214 MA's), (109, 10101), (148, 10161), (166, 10188), (171, 10194), (183, 10212), (188, 10218), (214, 10263), (227, 10281), (248, 10299), (281, 10356), (297, 10383),

Gene: GardenState_11 Start: 8458, Stop: 8877, Start Num: 38

Candidate Starts for GardenState_11:

(Start: 38 @8458 has 7 MA's), (100, 8551), (104, 8557), (173, 8662), (197, 8701),

Gene: Gengar_15 Start: 10092, Stop: 10514, Start Num: 43

Candidate Starts for Gengar_15:

(11, 10008), (Start: 43 @10092 has 214 MA's), (Start: 47 @10098 has 9 MA's), (Start: 51 @10104 has 19 MA's), (103, 10188), (129, 10224), (166, 10281), (171, 10287), (183, 10305), (207, 10344), (214, 10356), (248, 10392), (281, 10449), (290, 10464), (297, 10476),

Gene: Geraldini_17 Start: 9999, Stop: 10424, Start Num: 43

Candidate Starts for Geraldini_17:

(Start: 43 @9999 has 214 MA's), (109, 10104), (148, 10164), (166, 10191), (171, 10197), (183, 10215), (188, 10221), (214, 10266), (227, 10284), (248, 10302), (297, 10386),

Gene: Gerri43_13 Start: 7727, Stop: 8119, Start Num: 50

Candidate Starts for Gerri43_13:

(Start: 50 @7727 has 32 MA's), (108, 7826), (110, 7829), (149, 7880), (150, 7883), (208, 7970), (210, 7973), (283, 8087), (298, 8111),

Gene: Getalong_12 Start: 7041, Stop: 7433, Start Num: 50

Candidate Starts for Getalong_12:

(14, 6912), (19, 6957), (Start: 20 @6963 has 111 MA's), (21, 6969), (25, 6987), (Start: 50 @7041 has 32 MA's), (66, 7068), (85, 7107), (89, 7113), (93, 7119), (102, 7131), (125, 7155), (151, 7194), (155, 7200), (162, 7212), (170, 7221), (203, 7272), (210, 7284),

Gene: GiKK_15 Start: 7833, Stop: 8237, Start Num: 57

Candidate Starts for GiKK_15:

(Start: 57 @7833 has 67 MA's), (77, 7875), (106, 7923), (120, 7944), (206, 8067), (234, 8112),

Gene: Gibbous_12 Start: 7693, Stop: 8091, Start Num: 57

Candidate Starts for Gibbous_12:

(Start: 57 @7693 has 67 MA's), (82, 7741), (106, 7777), (137, 7822), (143, 7831), (163, 7861), (186, 7888), (192, 7897), (199, 7909), (215, 7936), (253, 8002), (273, 8035),

Gene: Gibbzilla_13 Start: 7779, Stop: 8162, Start Num: 45

Candidate Starts for Gibbzilla_13:

(Start: 39 @7770 has 73 MA's), (Start: 45 @7779 has 21 MA's), (96, 7863), (131, 7905), (150, 7938), (278, 8118),

Gene: Gideon_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Gideon_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Giorgio_12 Start: 8549, Stop: 8968, Start Num: 39

Candidate Starts for Giorgio_12:

(Start: 39 @8549 has 73 MA's), (66, 8591), (177, 8768), (244, 8873),

Gene: GirlDinner_14 Start: 9406, Stop: 9903, Start Num: 20

Candidate Starts for GirlDinner_14:

(Start: 20 @9406 has 111 MA's), (74, 9505), (93, 9544), (144, 9619), (205, 9718),

Gene: Gisselle_10 Start: 7581, Stop: 7991, Start Num: 34

Candidate Starts for Gisselle_10:

(Start: 34 @7581 has 76 MA's), (127, 7713), (137, 7728), (164, 7773), (167, 7776), (263, 7932),

Gene: Glenn_14 Start: 10429, Stop: 10842, Start Num: 34

Candidate Starts for Glenn_14:

(Start: 34 @10429 has 76 MA's), (127, 10564), (137, 10579), (164, 10624), (194, 10666), (263, 10783),

Gene: Glotell_11 Start: 7902, Stop: 8342, Start Num: 43

Candidate Starts for Glotell_11:

(Start: 43 @7902 has 214 MA's), (72, 7953), (134, 8055), (136, 8058), (158, 8094), (161, 8100), (174, 8115), (218, 8187), (236, 8214), (296, 8313), (299, 8319), (302, 8331),

Gene: Goby_14 Start: 9546, Stop: 10049, Start Num: 20

Candidate Starts for Goby_14:

(Start: 20 @9546 has 111 MA's), (140, 9753), (207, 9861), (223, 9888), (227, 9894), (257, 9945), (273, 9972),

Gene: GodSpeed_12 Start: 9483, Stop: 9917, Start Num: 28

Candidate Starts for GodSpeed_12:

(4, 9294), (Start: 28 @9483 has 80 MA's), (Start: 56 @9513 has 1 MA's), (93, 9585), (97, 9591), (181, 9711), (250, 9807), (270, 9843), (293, 9879),

Gene: Godpower_15 Start: 9561, Stop: 10064, Start Num: 20

Candidate Starts for Godpower_15:

(Start: 20 @9561 has 111 MA's), (140, 9768), (207, 9876), (223, 9903), (227, 9909), (257, 9960), (273, 9987),

Gene: GoldHunter_12 Start: 7523, Stop: 7933, Start Num: 57

Candidate Starts for GoldHunter_12:

(Start: 57 @7523 has 67 MA's), (77, 7565), (82, 7571), (106, 7610), (135, 7652), (173, 7706), (213, 7766),

Gene: GoldenAsh_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for GoldenAsh_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Gomashi_12 Start: 9415, Stop: 9858, Start Num: 28

Candidate Starts for Gomashi_12:

(4, 9223), (Start: 28 @9415 has 80 MA's), (Start: 47 @9430 has 9 MA's), (Start: 56 @9445 has 1 MA's), (74, 9478), (93, 9508), (127, 9553), (131, 9559), (250, 9730),

Gene: GramZayde_12 Start: 8336, Stop: 8779, Start Num: 43

Candidate Starts for GramZayde_12:

(Start: 43 @8336 has 214 MA's), (92, 8426), (96, 8432), (132, 8486), (134, 8489), (158, 8528), (236, 8648), (249, 8672), (296, 8744), (299, 8750),

Gene: Gravel_13 Start: 8491, Stop: 8931, Start Num: 43

Candidate Starts for Gravel_13:

(Start: 36 @8479 has 8 MA's), (Start: 43 @8491 has 214 MA's), (92, 8581), (119, 8623), (132, 8641), (134, 8644), (158, 8683), (218, 8776), (236, 8803), (249, 8827), (272, 8863), (296, 8899),

Gene: Graynor_14 Start: 10435, Stop: 10845, Start Num: 34

Candidate Starts for Graynor_14:

(Start: 34 @10435 has 76 MA's), (Start: 62 @10477 has 7 MA's), (137, 10579), (263, 10783),

Gene: GreenHearts_14 Start: 10522, Stop: 10932, Start Num: 34

Candidate Starts for GreenHearts_14:

(Start: 34 @10522 has 76 MA's), (84, 10606), (137, 10666), (143, 10675), (145, 10678), (162, 10708), (167, 10714), (191, 10747), (263, 10870), (278, 10894),

Gene: GreenWeasel_16 Start: 9727, Stop: 10230, Start Num: 20

Candidate Starts for GreenWeasel_16:

(Start: 20 @9727 has 111 MA's), (Start: 51 @9784 has 19 MA's), (140, 9934), (144, 9940), (182, 10000), (227, 10075), (273, 10153),

Gene: Greenhouse_14 Start: 10447, Stop: 10857, Start Num: 34

Candidate Starts for Greenhouse_14:

(Start: 34 @10447 has 76 MA's), (137, 10591), (143, 10600), (145, 10603), (162, 10633), (167, 10639), (191, 10672), (263, 10795), (278, 10819),

Gene: Gretchen_11 Start: 9337, Stop: 9759, Start Num: 38

Candidate Starts for Gretchen_11:

(Start: 38 @9337 has 7 MA's), (100, 9430), (104, 9436), (112, 9451), (173, 9541), (197, 9580), (208, 9598), (274, 9709),

Gene: GrimEater_11 Start: 6791, Stop: 7189, Start Num: 48

Candidate Starts for GrimEater_11:

(Start: 48 @6791 has 52 MA's), (Start: 54 @6797 has 2 MA's), (58, 6806), (160, 6962), (208, 7034), (212, 7043),

Gene: Grist_11 Start: 7957, Stop: 8355, Start Num: 48

Candidate Starts for Grist_11:

(Start: 48 @7957 has 52 MA's), (214, 8203), (276, 8308),

Gene: Grizzly_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Grizzly_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Guanica15_17 Start: 8938, Stop: 9363, Start Num: 43

Candidate Starts for Guanica15_17:

(Start: 43 @8938 has 214 MA's), (Start: 51 @8950 has 19 MA's), (Start: 56 @8959 has 1 MA's), (148, 9103), (166, 9130), (171, 9136), (183, 9154), (188, 9160), (214, 9205), (227, 9223), (248, 9241), (290, 9313), (297, 9325),

Gene: Guey18_49 Start: 17771, Stop: 18151, Start Num: 51

Candidate Starts for Guey18_49:

(Start: 51 @17771 has 19 MA's), (72, 17810), (Start: 83 @17834 has 1 MA's), (131, 17891), (168, 17948), (198, 17996), (231, 18050),

Gene: Guillsminger_15 Start: 10067, Stop: 10489, Start Num: 43

Candidate Starts for Guillsminger_15:

(11, 9983), (Start: 43 @10067 has 214 MA's), (Start: 47 @10073 has 9 MA's), (Start: 51 @10079 has 19 MA's), (103, 10163), (129, 10199), (166, 10256), (171, 10262), (183, 10280), (207, 10319), (214, 10331), (248, 10367), (281, 10424), (290, 10439), (297, 10451),

Gene: Gumpizza_12 Start: 8548, Stop: 8967, Start Num: 39

Candidate Starts for Gumpizza_12:

(Start: 39 @8548 has 73 MA's), (66, 8590), (177, 8767), (244, 8872),

Gene: Haizum_14 Start: 9435, Stop: 9932, Start Num: 20

Candidate Starts for Haizum_14:

(Start: 20 @9435 has 111 MA's), (Start: 53 @9495 has 5 MA's), (74, 9534), (144, 9648), (189, 9717), (207, 9750), (257, 9834),

Gene: Halo_12 Start: 9409, Stop: 9852, Start Num: 28

Candidate Starts for Halo_12:

(Start: 28 @9409 has 80 MA's), (Start: 47 @9424 has 9 MA's), (Start: 56 @9439 has 1 MA's), (74, 9472), (127, 9547), (131, 9553), (250, 9724),

Gene: Halsey_12 Start: 8547, Stop: 8966, Start Num: 39

Candidate Starts for Halsey_12:

(Start: 39 @8547 has 73 MA's), (66, 8589), (244, 8871),

Gene: HamCheese_11 Start: 7902, Stop: 8342, Start Num: 43

Candidate Starts for HamCheese_11:

(Start: 43 @7902 has 214 MA's), (72, 7953), (134, 8055), (136, 8058), (158, 8094), (161, 8100), (174, 8115), (218, 8187), (236, 8214), (296, 8313), (299, 8319), (302, 8331),

Gene: Hammy_16 Start: 9959, Stop: 10375, Start Num: 43

Candidate Starts for Hammy_16:

(Start: 43 @9959 has 214 MA's), (Start: 56 @9980 has 1 MA's), (131, 10094), (148, 10121), (171, 10154), (188, 10178), (207, 10211), (209, 10214), (225, 10238), (248, 10259), (281, 10316), (285, 10322), (297, 10343),

Gene: Hank144_15 Start: 9675, Stop: 10175, Start Num: 20

Candidate Starts for Hank144_15:

(Start: 20 @9675 has 111 MA's), (74, 9774), (144, 9888), (190, 9960), (205, 9987), (273, 10101),

Gene: HannahPhantana_13 Start: 8500, Stop: 8943, Start Num: 43

Candidate Starts for HannahPhantana_13:

(Start: 43 @8500 has 214 MA's), (92, 8590), (96, 8596), (132, 8650), (134, 8653), (158, 8692), (236, 8812), (249, 8836), (296, 8908), (299, 8914),

Gene: HeadNerd_10 Start: 7516, Stop: 7926, Start Num: 34

Candidate Starts for HeadNerd_10:

(Start: 34 @7516 has 76 MA's), (127, 7648), (137, 7663), (164, 7708), (167, 7711), (194, 7750), (263, 7867),

Gene: HedwigODU_17 Start: 9979, Stop: 10404, Start Num: 43

Candidate Starts for HedwigODU_17:

(Start: 43 @9979 has 214 MA's), (148, 10144), (166, 10171), (171, 10177), (183, 10195), (188, 10201), (214, 10246), (227, 10264), (248, 10282), (297, 10366),

Gene: Heftyboy_15 Start: 10194, Stop: 10616, Start Num: 43

Candidate Starts for Heftyboy_15:

(11, 10110), (Start: 43 @10194 has 214 MA's), (Start: 47 @10200 has 9 MA's), (Start: 51 @10206 has 19 MA's), (81, 10263), (103, 10290), (129, 10326), (131, 10329), (171, 10389), (183, 10407), (207, 10446), (214, 10458), (248, 10494), (281, 10551), (290, 10566), (297, 10578),

Gene: Herb_10 Start: 7547, Stop: 7984, Start Num: 34

Candidate Starts for Herb_10:

(Start: 34 @7547 has 76 MA's), (Start: 36 @7553 has 8 MA's), (59, 7592), (61, 7595), (127, 7688), (137, 7703), (145, 7715), (149, 7724), (150, 7727), (164, 7748), (263, 7907),

Gene: Hereford_13 Start: 8889, Stop: 9278, Start Num: 60

Candidate Starts for Hereford_13:

(Start: 60 @8889 has 17 MA's), (147, 9036), (193, 9102), (200, 9114),

Gene: Hexbug_14 Start: 8519, Stop: 8923, Start Num: 57

Candidate Starts for Hexbug_14:

(Start: 57 @8519 has 67 MA's), (69, 8540), (82, 8567), (106, 8609), (179, 8708), (234, 8798), (258, 8840), (288, 8894), (300, 8918),

Gene: Hilltopfarm_18 Start: 12024, Stop: 12464, Start Num: 47

Candidate Starts for Hilltopfarm_18:

(Start: 47 @12024 has 9 MA's), (Start: 49 @12027 has 19 MA's), (91, 12105), (94, 12114), (98, 12120), (103, 12126), (154, 12204), (197, 12270), (218, 12306), (264, 12381), (291, 12420),

Gene: Hippo_14 Start: 9540, Stop: 10043, Start Num: 20

Candidate Starts for Hippo_14:

(8, 9459), (Start: 20 @9540 has 111 MA's), (140, 9747), (207, 9855), (223, 9882), (227, 9888), (257, 9939), (273, 9966),

Gene: HippoPololi_14 Start: 8345, Stop: 8743, Start Num: 57

Candidate Starts for HippoPololi_14:

(Start: 57 @8345 has 67 MA's), (82, 8393), (137, 8474), (143, 8483), (158, 8504), (163, 8513), (186, 8540), (192, 8549), (199, 8561), (215, 8588), (221, 8597), (253, 8654),

Gene: Holliday_12 Start: 7046, Stop: 7438, Start Num: 50

Candidate Starts for Holliday_12:

(14, 6917), (19, 6962), (Start: 20 @6968 has 111 MA's), (21, 6974), (25, 6992), (32, 7010), (Start: 50 @7046 has 32 MA's), (66, 7073), (89, 7118), (93, 7124), (102, 7136), (125, 7160), (151, 7199), (155, 7205), (164, 7220), (170, 7226), (203, 7277), (210, 7289), (248, 7343),

Gene: Homura_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Homura_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Honk_10 Start: 7323, Stop: 7739, Start Num: 40

Candidate Starts for Honk_10:

(Start: 40 @7323 has 2 MA's), (96, 7416), (133, 7473), (268, 7692),

Gene: Hope_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Hope_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Horseradish_13 Start: 7404, Stop: 7814, Start Num: 57

Candidate Starts for Horseradish_13:

(Start: 57 @7404 has 67 MA's), (82, 7452), (106, 7491), (135, 7533), (173, 7587), (213, 7647),

Gene: Horus_12 Start: 7041, Stop: 7451, Start Num: 50

Candidate Starts for Horus_12:

(14, 6912), (19, 6957), (Start: 20 @6963 has 111 MA's), (21, 6969), (25, 6987), (Start: 50 @7041 has 32 MA's), (66, 7068), (89, 7113), (93, 7119), (125, 7173), (151, 7212), (155, 7218), (170, 7239), (203, 7290), (210, 7302),

Gene: Hotshotbaby7_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Hotshotbaby7_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Huckleberry_10 Start: 7516, Stop: 7926, Start Num: 34

Candidate Starts for Huckleberry_10:

(Start: 34 @7516 has 76 MA's), (127, 7648), (137, 7663), (164, 7708), (167, 7711), (194, 7750), (263, 7867),

Gene: HunterDalle_10 Start: 7551, Stop: 7982, Start Num: 36

Candidate Starts for HunterDalle_10:

(Start: 34 @7545 has 76 MA's), (Start: 36 @7551 has 8 MA's), (Start: 49 @7572 has 19 MA's), (88, 7644), (145, 7713), (149, 7722), (164, 7746), (263, 7905),

Gene: Huntingdon_14 Start: 10433, Stop: 10843, Start Num: 34

Candidate Starts for Huntingdon_14:

(Start: 34 @10433 has 76 MA's), (137, 10577), (143, 10586), (145, 10589), (162, 10619), (167, 10625), (191, 10658), (263, 10781), (278, 10805),

Gene: Hurricane_16 Start: 9998, Stop: 10429, Start Num: 43

Candidate Starts for Hurricane_16:

(Start: 43 @9998 has 214 MA's), (97, 10088), (148, 10160), (171, 10193), (188, 10217), (207, 10250), (209, 10253), (225, 10280), (248, 10313), (281, 10370), (285, 10376), (297, 10397),

Gene: Hydra_16 Start: 10105, Stop: 10608, Start Num: 20

Candidate Starts for Hydra_16:

(Start: 20 @10105 has 111 MA's), (26, 10135), (Start: 57 @10174 has 67 MA's), (93, 10243), (182, 10378), (204, 10414), (207, 10420), (223, 10447), (227, 10453), (257, 10504), (273, 10531),

Gene: Hyperbowlee_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Hyperbowlee_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: IAmGroot_11 Start: 9102, Stop: 9521, Start Num: 38

Candidate Starts for IAmGroot_11:

(Start: 38 @9102 has 7 MA's), (100, 9195), (104, 9201), (173, 9306), (197, 9345),

Gene: IUFootball_11 Start: 7496, Stop: 7915, Start Num: 39

Candidate Starts for IUFootball_11:

(Start: 39 @7496 has 73 MA's), (Start: 53 @7514 has 5 MA's), (100, 7601), (177, 7715), (268, 7865),

Gene: Icarian_12 Start: 8152, Stop: 8547, Start Num: 48

Candidate Starts for Icarian_12:

(Start: 48 @8152 has 52 MA's), (85, 8215), (137, 8272), (263, 8479), (276, 8500),

Gene: Illumine_17 Start: 9969, Stop: 10394, Start Num: 43

Candidate Starts for Illumine_17:

(Start: 43 @9969 has 214 MA's), (109, 10074), (148, 10134), (166, 10161), (171, 10167), (183, 10185), (188, 10191), (214, 10236), (227, 10254), (248, 10272), (281, 10329), (297, 10356),

Gene: Immaculata_14 Start: 10423, Stop: 10836, Start Num: 34

Candidate Starts for Immaculata_14:

(Start: 34 @10423 has 76 MA's), (127, 10558), (137, 10573), (164, 10618), (194, 10660), (263, 10777),

Gene: InLimbo_12 Start: 6561, Stop: 6944, Start Num: 65

Candidate Starts for InLimbo_12:

(Start: 65 @6561 has 11 MA's), (95, 6615), (99, 6621), (107, 6633), (123, 6657), (165, 6717), (247, 6834), (249, 6840), (297, 6930),

Gene: Indigo_14 Start: 9577, Stop: 10080, Start Num: 20

Candidate Starts for Indigo_14:

(Start: 20 @9577 has 111 MA's), (26, 9607), (Start: 57 @9646 has 67 MA's), (93, 9715), (182, 9850), (204, 9886), (207, 9892), (223, 9919), (227, 9925), (257, 9976), (273, 10003),

Gene: IndyLu_11 Start: 7957, Stop: 8355, Start Num: 48

Candidate Starts for IndyLu_11:

(Start: 48 @7957 has 52 MA's), (214, 8203), (276, 8308),

Gene: Inky_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Inky_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: InvictusManeo_15 Start: 10162, Stop: 10584, Start Num: 43

Candidate Starts for InvictusManeo_15:

(11, 10078), (Start: 43 @10162 has 214 MA's), (Start: 47 @10168 has 9 MA's), (Start: 51 @10174 has 19 MA's), (129, 10294), (166, 10351), (171, 10357), (183, 10375), (205, 10411), (207, 10414), (214, 10426), (248, 10462), (281, 10519), (290, 10534), (297, 10546),

Gene: Issmi_15 Start: 9706, Stop: 10203, Start Num: 20

Candidate Starts for Issmi_15:

(Start: 20 @9706 has 111 MA's), (Start: 45 @9754 has 21 MA's), (Start: 53 @9766 has 5 MA's), (144, 9919), (189, 9988), (207, 10021), (273, 10132),

Gene: Iter_12 Start: 9053, Stop: 9463, Start Num: 39

Candidate Starts for Iter_12:

(Start: 39 @9053 has 73 MA's), (79, 9122), (180, 9272), (250, 9383), (268, 9416),

Gene: IttyBittyPiggy_12 Start: 9041, Stop: 9454, Start Num: 39

Candidate Starts for IttyBittyPiggy_12:

(Start: 39 @9041 has 73 MA's), (79, 9110), (250, 9371), (268, 9404),

Gene: Itza_14 Start: 9784, Stop: 10287, Start Num: 20

Candidate Starts for Itza_14:

(Start: 20 @9784 has 111 MA's), (Start: 53 @9844 has 5 MA's), (Start: 57 @9853 has 67 MA's), (71, 9877), (74, 9883), (140, 9991), (144, 9997), (189, 10066), (207, 10099), (223, 10126), (257, 10183), (273, 10210),

Gene: Izzy_15 Start: 9787, Stop: 10290, Start Num: 20

Candidate Starts for Izzy_15:

(Start: 20 @9787 has 111 MA's), (26, 9817), (Start: 57 @9856 has 67 MA's), (93, 9925), (182, 10060), (204, 10096), (207, 10102), (223, 10129), (227, 10135), (257, 10186), (273, 10213),

Gene: JAWS_17 Start: 9973, Stop: 10398, Start Num: 43

Candidate Starts for JAWS_17:

(Start: 43 @9973 has 214 MA's), (109, 10078), (148, 10138), (166, 10165), (171, 10171), (183, 10189), (188, 10195), (214, 10240), (227, 10258), (248, 10276), (297, 10360),

Gene: JF1_18 Start: 11210, Stop: 11635, Start Num: 24

Candidate Starts for JF1_18:

(Start: 24 @11210 has 23 MA's), (97, 11306), (135, 11357), (183, 11429), (188, 11435), (207, 11468), (214, 11480), (248, 11513), (297, 11597),

Gene: Jabb_11 Start: 7951, Stop: 8346, Start Num: 48

Candidate Starts for Jabb_11:

(13, 7825), (Start: 48 @7951 has 52 MA's), (72, 7990), (93, 8017), (150, 8095), (237, 8227), (288, 8320),

Gene: Jabbawokkie_14 Start: 7736, Stop: 8140, Start Num: 62

Candidate Starts for Jabbawokkie_14:

(Start: 62 @7736 has 7 MA's), (77, 7769), (116, 7829), (157, 7895), (232, 8015), (240, 8027), (260, 8063), (279, 8093),

Gene: Jablanski_13 Start: 8116, Stop: 8502, Start Num: 70

Candidate Starts for Jablanski_13:

(27, 8035), (Start: 70 @8116 has 17 MA's), (89, 8152), (101, 8173),

Gene: JacoRen57_11 Start: 7951, Stop: 8385, Start Num: 45

Candidate Starts for JacoRen57_11:

(Start: 45 @7951 has 21 MA's), (Start: 51 @7960 has 19 MA's), (Start: 53 @7963 has 5 MA's), (95, 8038), (114, 8065), (132, 8092), (158, 8131), (184, 8164), (207, 8203), (212, 8212), (220, 8221), (295, 8344),

Gene: Jamun_12 Start: 8669, Stop: 9112, Start Num: 43

Candidate Starts for Jamun_12:

(Start: 43 @8669 has 214 MA's), (68, 8711), (75, 8729), (96, 8765), (132, 8819), (134, 8822), (158, 8861), (195, 8915), (218, 8954), (236, 8981), (249, 9005), (251, 9011),

Gene: Jamzy_15 Start: 7843, Stop: 8247, Start Num: 57

Candidate Starts for Jamzy_15:

(Start: 57 @7843 has 67 MA's), (77, 7885), (106, 7933), (120, 7954), (206, 8077), (234, 8122),

Gene: Jane_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Jane_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Janeemi_13 Start: 10130, Stop: 10543, Start Num: 39

Candidate Starts for Janeemi_13:

(Start: 39 @10130 has 73 MA's), (68, 10175), (173, 10337), (180, 10349), (250, 10460), (268, 10493),

Gene: JanetJ_12 Start: 8526, Stop: 8915, Start Num: 60

Candidate Starts for JanetJ_12:

(Start: 60 @8526 has 17 MA's), (163, 8694), (193, 8739), (200, 8751), (246, 8823), (272, 8871),

Gene: Jankie_11 Start: 6790, Stop: 7188, Start Num: 48

Candidate Starts for Jankie_11:

(Start: 48 @6790 has 52 MA's), (Start: 54 @6796 has 2 MA's), (58, 6805), (160, 6961), (208, 7033), (212, 7042),

Gene: Janus_15 Start: 9744, Stop: 10241, Start Num: 20

Candidate Starts for Janus_15:

(Start: 20 @9744 has 111 MA's), (74, 9843), (93, 9882), (144, 9957), (205, 10056),

Gene: Jarvi_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Jarvi_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Jash_15 Start: 9740, Stop: 10243, Start Num: 20

Candidate Starts for Jash_15:

(Start: 20 @9740 has 111 MA's), (26, 9770), (Start: 57 @9809 has 67 MA's), (93, 9878), (182, 10013), (204, 10049), (207, 10055), (223, 10082), (227, 10088), (257, 10139), (273, 10166),

Gene: JasmineDragon_11 Start: 7286, Stop: 7681, Start Num: 39

Candidate Starts for JasmineDragon_11:

(Start: 39 @7286 has 73 MA's), (173, 7478),

Gene: Jayhawk_17 Start: 9980, Stop: 10405, Start Num: 43

Candidate Starts for Jayhawk_17:

(Start: 43 @9980 has 214 MA's), (148, 10145), (166, 10172), (171, 10178), (183, 10196), (188, 10202), (214, 10247), (227, 10265), (248, 10283), (297, 10367),

Gene: JeanClaude_11 Start: 7509, Stop: 7886, Start Num: 60

Candidate Starts for JeanClaude_11:

(Start: 60 @7509 has 17 MA's), (131, 7623), (147, 7650), (163, 7671), (232, 7779), (254, 7815), (272, 7848),

Gene: Jeckyll_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Jeckyll_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Jeilious_12 Start: 9413, Stop: 9856, Start Num: 28

Candidate Starts for Jeilious_12:

(4, 9221), (Start: 28 @9413 has 80 MA's), (Start: 47 @9428 has 9 MA's), (Start: 56 @9443 has 1 MA's), (74, 9476), (93, 9506), (127, 9551), (131, 9557), (250, 9728),

Gene: Jerole_13 Start: 8497, Stop: 8940, Start Num: 43

Candidate Starts for Jerole_13:

(Start: 43 @8497 has 214 MA's), (92, 8587), (96, 8593), (132, 8647), (134, 8650), (158, 8689), (236, 8809), (249, 8833), (296, 8905), (299, 8911),

Gene: Jevington_16 Start: 10032, Stop: 10529, Start Num: 20

Candidate Starts for Jevington_16:

(Start: 20 @10032 has 111 MA's), (Start: 53 @10092 has 5 MA's), (Start: 57 @10101 has 67 MA's), (74, 10131), (189, 10314),

Gene: Jhitchelle_13 Start: 9274, Stop: 9777, Start Num: 20

Candidate Starts for Jhitchelle_13:

(Start: 20 @9274 has 111 MA's), (29, 9313), (Start: 57 @9343 has 67 MA's), (142, 9484), (273, 9700),

Gene: Joann_14 Start: 10425, Stop: 10835, Start Num: 34

Candidate Starts for Joann_14:

(Start: 34 @10425 has 76 MA's), (137, 10569), (143, 10578), (145, 10581), (162, 10611), (167, 10617), (191, 10650), (263, 10773), (278, 10797),

Gene: Joemato_12 Start: 9040, Stop: 9453, Start Num: 39

Candidate Starts for Joemato_12:

(Start: 39 @9040 has 73 MA's), (79, 9109), (180, 9259), (250, 9370), (268, 9403),

Gene: JohnDoe_12 Start: 9038, Stop: 9451, Start Num: 39

Candidate Starts for JohnDoe_12:

(Start: 39 @9038 has 73 MA's), (79, 9107), (180, 9257), (250, 9368), (268, 9401),

Gene: JohnThicc_11 Start: 7283, Stop: 7678, Start Num: 39

Candidate Starts for JohnThicc_11:

(Start: 39 @7283 has 73 MA's), (173, 7475),

Gene: Johnathan_11 Start: 7911, Stop: 8306, Start Num: 48

Candidate Starts for Johnathan_11:

(13, 7785), (Start: 48 @7911 has 52 MA's), (72, 7950), (93, 7977), (150, 8055), (214, 8154), (237, 8187), (288, 8280),

Gene: Jolene_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Jolene_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Jolie2_12 Start: 8684, Stop: 9133, Start Num: 28

Candidate Starts for Jolie2_12:

(Start: 28 @8684 has 80 MA's), (Start: 56 @8714 has 1 MA's), (93, 8786), (127, 8831), (159, 8882), (181, 8912), (250, 9008), (270, 9044), (293, 9080),

Gene: Jonghyun_12 Start: 9429, Stop: 9857, Start Num: 47

Candidate Starts for Jonghyun_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: JorRay_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for JorRay_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Jovita_11 Start: 8013, Stop: 8408, Start Num: 48

Candidate Starts for Jovita_11:

(Start: 48 @8013 has 52 MA's), (72, 8052), (93, 8079), (150, 8157), (237, 8289), (288, 8382),

Gene: Joy99_17 Start: 9945, Stop: 10370, Start Num: 43

Candidate Starts for Joy99_17:

(Start: 43 @9945 has 214 MA's), (Start: 47 @9951 has 9 MA's), (61, 9975), (109, 10050), (148, 10110), (166, 10137), (171, 10143), (183, 10161), (214, 10212), (227, 10230), (248, 10248), (297, 10332),

Gene: Jstan_12 Start: 9019, Stop: 9429, Start Num: 39

Candidate Starts for Jstan_12:

(Start: 39 @9019 has 73 MA's), (79, 9088), (173, 9226), (180, 9238), (250, 9349), (268, 9382),

Gene: Juicebox_13 Start: 8820, Stop: 9218, Start Num: 78
Candidate Starts for Juicebox_13:
(Start: 78 @8820 has 1 MA's), (113, 8877), (140, 8916), (267, 9132),

Gene: Juliette_18 Start: 11085, Stop: 11510, Start Num: 24
Candidate Starts for Juliette_18:
(Start: 24 @11085 has 23 MA's), (76, 11154), (183, 11304), (188, 11310), (207, 11343), (214, 11355),
(248, 11388), (297, 11472),

Gene: Jumboset_14 Start: 10372, Stop: 10785, Start Num: 34
Candidate Starts for Jumboset_14:
(Start: 34 @10372 has 76 MA's), (127, 10507), (137, 10522), (164, 10567), (194, 10609), (263, 10726),

Gene: JuneStar_12 Start: 9135, Stop: 9548, Start Num: 39
Candidate Starts for JuneStar_12:
(Start: 39 @9135 has 73 MA's), (250, 9465), (268, 9498),

Gene: Juno112_11 Start: 7903, Stop: 8343, Start Num: 43
Candidate Starts for Juno112_11:
(Start: 43 @7903 has 214 MA's), (72, 7954), (134, 8056), (136, 8059), (158, 8095), (161, 8101), (174, 8116),
(218, 8188), (236, 8215), (296, 8314), (299, 8320), (302, 8332),

Gene: KHumphrey_11 Start: 7902, Stop: 8342, Start Num: 43
Candidate Starts for KHumphrey_11:
(Start: 43 @7902 has 214 MA's), (72, 7953), (134, 8055), (136, 8058), (158, 8094), (161, 8100), (174, 8115),
(218, 8187), (236, 8214), (296, 8313), (299, 8319), (302, 8331),

Gene: Kaine_14 Start: 9339, Stop: 9842, Start Num: 20
Candidate Starts for Kaine_14:
(Start: 20 @9339 has 111 MA's), (29, 9378), (Start: 57 @9408 has 67 MA's), (74, 9438), (142, 9549),
(223, 9681), (273, 9765),

Gene: Kalimba_12 Start: 8456, Stop: 8875, Start Num: 39
Candidate Starts for Kalimba_12:
(Start: 39 @8456 has 73 MA's), (66, 8498), (244, 8780),

Gene: Kalizoi_14 Start: 10371, Stop: 10784, Start Num: 34
Candidate Starts for Kalizoi_14:
(Start: 34 @10371 has 76 MA's), (127, 10506), (137, 10521), (164, 10566), (194, 10608), (263, 10725),

Gene: Kamaru_12 Start: 7046, Stop: 7438, Start Num: 50
Candidate Starts for Kamaru_12:
(14, 6917), (19, 6962), (Start: 20 @6968 has 111 MA's), (21, 6974), (25, 6992), (32, 7010), (Start: 50 @7046 has 32 MA's),
(66, 7073), (89, 7118), (93, 7124), (102, 7136), (125, 7160), (151, 7199), (155, 7205),
(164, 7220), (170, 7226), (203, 7277), (210, 7289), (248, 7343),

Gene: Kamdara_11 Start: 8140, Stop: 8541, Start Num: 49
Candidate Starts for Kamdara_11:
(Start: 49 @8140 has 19 MA's), (150, 8290), (223, 8404), (263, 8473),

Gene: Kareem_12 Start: 9414, Stop: 9857, Start Num: 28
Candidate Starts for Kareem_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Kasen3_12 Start: 9415, Stop: 9858, Start Num: 28

Candidate Starts for Kasen3_12:

(4, 9223), (Start: 28 @9415 has 80 MA's), (Start: 47 @9430 has 9 MA's), (Start: 56 @9445 has 1 MA's), (74, 9478), (93, 9508), (127, 9553), (131, 9559), (250, 9730),

Gene: Katalie_15 Start: 9816, Stop: 10319, Start Num: 20

Candidate Starts for Katalie_15:

(Start: 20 @9816 has 111 MA's), (29, 9855), (182, 10089), (207, 10131), (223, 10158), (227, 10164), (257, 10215), (273, 10242),

Gene: Kate33_11 Start: 7956, Stop: 8354, Start Num: 48

Candidate Starts for Kate33_11:

(Start: 48 @7956 has 52 MA's), (214, 8202), (276, 8307),

Gene: Katzastrophic_11 Start: 8051, Stop: 8449, Start Num: 49

Candidate Starts for Katzastrophic_11:

(10, 7913), (Start: 49 @8051 has 19 MA's), (Start: 62 @8072 has 7 MA's), (237, 8330), (248, 8348), (263, 8381),

Gene: KayGee_12 Start: 7294, Stop: 7704, Start Num: 57

Candidate Starts for KayGee_12:

(Start: 57 @7294 has 67 MA's), (82, 7339), (106, 7378), (133, 7417), (141, 7429), (192, 7498), (253, 7603), (297, 7678),

Gene: Kaylissa_12 Start: 9041, Stop: 9454, Start Num: 39

Candidate Starts for Kaylissa_12:

(Start: 39 @9041 has 73 MA's), (79, 9110), (180, 9260), (250, 9371), (268, 9404),

Gene: KeAlii_12 Start: 9073, Stop: 9474, Start Num: 44

Candidate Starts for KeAlii_12:

(Start: 44 @9073 has 2 MA's), (Start: 51 @9079 has 19 MA's), (180, 9280), (217, 9340), (268, 9424),

Gene: Keelan_42 Start: 16553, Stop: 16933, Start Num: 51

Candidate Starts for Keelan_42:

(Start: 51 @16553 has 19 MA's), (72, 16592), (107, 16643), (122, 16661), (131, 16673), (163, 16724), (192, 16766), (198, 16778), (231, 16832),

Gene: KendraB23_13 Start: 8492, Stop: 8932, Start Num: 43

Candidate Starts for KendraB23_13:

(Start: 36 @8480 has 8 MA's), (Start: 43 @8492 has 214 MA's), (92, 8582), (119, 8624), (132, 8642), (134, 8645), (158, 8684), (218, 8777), (236, 8804), (249, 8828), (272, 8864), (296, 8900),

Gene: Kenna_12 Start: 7041, Stop: 7451, Start Num: 50

Candidate Starts for Kenna_12:

(14, 6912), (19, 6957), (Start: 20 @6963 has 111 MA's), (21, 6969), (25, 6987), (32, 7005), (Start: 50 @7041 has 32 MA's), (66, 7068), (89, 7113), (93, 7119), (125, 7173), (151, 7212), (155, 7218), (170, 7239), (203, 7290), (210, 7302),

Gene: Kenzers_11 Start: 7928, Stop: 8323, Start Num: 48

Candidate Starts for Kenzers_11:

(Start: 48 @7928 has 52 MA's), (72, 7967), (150, 8072), (214, 8171), (237, 8204), (288, 8297),

Gene: Kepler_12 Start: 8335, Stop: 8778, Start Num: 43

Candidate Starts for Kepler_12:

(Start: 43 @8335 has 214 MA's), (92, 8425), (96, 8431), (132, 8485), (134, 8488), (158, 8527), (236, 8647), (249, 8671), (296, 8743), (299, 8749),

Gene: Keshu_16 Start: 9985, Stop: 10416, Start Num: 43

Candidate Starts for Keshu_16:

(Start: 43 @9985 has 214 MA's), (Start: 56 @10006 has 1 MA's), (148, 10147), (171, 10180), (183, 10198), (188, 10204), (207, 10237), (225, 10267), (248, 10300), (281, 10357), (285, 10363), (297, 10384),

Gene: KiSi_16 Start: 8857, Stop: 9276, Start Num: 43

Candidate Starts for KiSi_16:

(Start: 43 @8857 has 214 MA's), (Start: 51 @8869 has 19 MA's), (109, 8959), (120, 8977), (148, 9019), (166, 9046), (171, 9052), (183, 9070), (214, 9121), (227, 9139), (248, 9157), (281, 9214), (290, 9229), (297, 9241),

Gene: Kieran_11 Start: 8144, Stop: 8545, Start Num: 49

Candidate Starts for Kieran_11:

(Start: 49 @8144 has 19 MA's), (150, 8294), (223, 8408), (263, 8477),

Gene: KingBob_10 Start: 7547, Stop: 7984, Start Num: 34

Candidate Starts for KingBob_10:

(Start: 34 @7547 has 76 MA's), (Start: 36 @7553 has 8 MA's), (59, 7592), (61, 7595), (127, 7688), (137, 7703), (145, 7715), (149, 7724), (150, 7727), (164, 7748), (263, 7907),

Gene: Kittykat_10 Start: 7557, Stop: 7967, Start Num: 34

Candidate Starts for Kittykat_10:

(Start: 34 @7557 has 76 MA's), (127, 7689), (137, 7704), (164, 7749), (167, 7752), (263, 7908),

Gene: Korra_14 Start: 10377, Stop: 10790, Start Num: 34

Candidate Starts for Korra_14:

(Start: 34 @10377 has 76 MA's), (127, 10512), (137, 10527), (164, 10572), (194, 10614), (263, 10731),

Gene: Kratio_14 Start: 9789, Stop: 10211, Start Num: 43

Candidate Starts for Kratio_14:

(11, 9705), (Start: 43 @9789 has 214 MA's), (Start: 47 @9795 has 9 MA's), (Start: 51 @9801 has 19 MA's), (129, 9921), (166, 9978), (171, 9984), (183, 10002), (207, 10041), (214, 10053), (248, 10089), (281, 10146), (290, 10161),

Gene: Kraw_18 Start: 11130, Stop: 11555, Start Num: 24

Candidate Starts for Kraw_18:

(Start: 24 @11130 has 23 MA's), (97, 11226), (183, 11349), (188, 11355), (207, 11388), (214, 11400), (248, 11433), (297, 11517),

Gene: Kromp_13 Start: 9303, Stop: 9734, Start Num: 49

Candidate Starts for Kromp_13:

(Start: 49 @9303 has 19 MA's), (126, 9426), (136, 9441), (140, 9447), (154, 9471), (173, 9495), (251, 9627), (287, 9687), (291, 9693), (292, 9696), (296, 9702),

Gene: Krueger_16 Start: 8911, Stop: 9333, Start Num: 31

Candidate Starts for Krueger_16:

(Start: 31 @8911 has 13 MA's), (97, 9001), (148, 9073), (166, 9100), (207, 9163), (214, 9175), (227, 9193), (248, 9211), (281, 9268), (290, 9283), (297, 9295),

Gene: Kuleana_12 Start: 8295, Stop: 8735, Start Num: 43

Candidate Starts for Kuleana_12:

(Start: 43 @8295 has 214 MA's), (92, 8385), (96, 8391), (104, 8403), (134, 8448), (158, 8487), (174, 8508), (216, 8577), (218, 8580), (236, 8607), (241, 8616), (249, 8631), (296, 8703), (299, 8709),

Gene: Kumotta_12 Start: 8443, Stop: 8820, Start Num: 60

Candidate Starts for Kumotta_12:

(Start: 60 @8443 has 17 MA's), (147, 8584), (163, 8605), (168, 8611), (193, 8650), (228, 8707), (232, 8713), (254, 8749), (272, 8782),

Gene: Kuwabara_12 Start: 7390, Stop: 7773, Start Num: 65

Candidate Starts for Kuwabara_12:

(Start: 65 @7390 has 11 MA's), (95, 7444), (99, 7450), (107, 7462), (123, 7486), (249, 7669), (297, 7759),

Gene: LadyAstra_11 Start: 7283, Stop: 7678, Start Num: 39

Candidate Starts for LadyAstra_11:

(Start: 39 @7283 has 73 MA's), (173, 7475),

Gene: Lahqtemish_11 Start: 8003, Stop: 8401, Start Num: 49

Candidate Starts for Lahqtemish_11:

(Start: 49 @8003 has 19 MA's), (72, 8042), (214, 8249), (276, 8354),

Gene: Lakshmi_14 Start: 10452, Stop: 10862, Start Num: 34

Candidate Starts for Lakshmi_14:

(Start: 34 @10452 has 76 MA's), (137, 10596), (143, 10605), (145, 10608), (162, 10638), (167, 10644), (191, 10677), (263, 10800), (278, 10824),

Gene: Lannister_15 Start: 9564, Stop: 10067, Start Num: 20

Candidate Starts for Lannister_15:

(Start: 20 @9564 has 111 MA's), (76, 9672), (140, 9771), (223, 9906), (227, 9912), (257, 9963), (273, 9990),

Gene: Laphuphu24k_11 Start: 7902, Stop: 8342, Start Num: 43

Candidate Starts for Laphuphu24k_11:

(Start: 43 @7902 has 214 MA's), (72, 7953), (134, 8055), (136, 8058), (158, 8094), (161, 8100), (174, 8115), (218, 8187), (236, 8214), (296, 8313), (299, 8319), (302, 8331),

Gene: Larva_15 Start: 9904, Stop: 10326, Start Num: 43

Candidate Starts for Larva_15:

(11, 9820), (Start: 43 @9904 has 214 MA's), (Start: 47 @9910 has 9 MA's), (Start: 51 @9916 has 19 MA's), (129, 10036), (166, 10093), (171, 10099), (183, 10117), (207, 10156), (214, 10168), (248, 10204), (281, 10261), (297, 10288),

Gene: Lasagna_10 Start: 7514, Stop: 7924, Start Num: 34

Candidate Starts for Lasagna_10:

(Start: 34 @7514 has 76 MA's), (93, 7607), (127, 7646), (137, 7661), (164, 7706), (194, 7748), (206, 7769), (263, 7865),

Gene: LastHope_17 Start: 9022, Stop: 9435, Start Num: 51

Candidate Starts for LastHope_17:

(Start: 43 @9010 has 214 MA's), (Start: 51 @9022 has 19 MA's), (Start: 56 @9031 has 1 MA's), (148, 9175), (166, 9202), (171, 9208), (183, 9226), (188, 9232), (214, 9277), (225, 9292), (227, 9295), (248, 9313), (290, 9385),

Gene: LastNadiia_16 Start: 10019, Stop: 10411, Start Num: 50

Candidate Starts for LastNadiia_16:

(Start: 50 @10019 has 32 MA's), (Start: 83 @10082 has 1 MA's), (150, 10175), (172, 10205), (206, 10259), (208, 10262), (210, 10265), (237, 10301), (298, 10403),

Gene: LaterM_17 Start: 9937, Stop: 10362, Start Num: 43

Candidate Starts for LaterM_17:

(Start: 43 @9937 has 214 MA's), (109, 10042), (148, 10102), (166, 10129), (171, 10135), (183, 10153), (188, 10159), (214, 10204), (227, 10222), (248, 10240), (281, 10297), (297, 10324),

Gene: Lauer_11 Start: 7343, Stop: 7753, Start Num: 57

Candidate Starts for Lauer_11:

(Start: 57 @7343 has 67 MA's), (82, 7388), (106, 7427), (133, 7466), (141, 7478), (192, 7547), (253, 7652), (297, 7727),

Gene: Lavahound_15 Start: 9644, Stop: 10060, Start Num: 43

Candidate Starts for Lavahound_15:

(Start: 43 @9644 has 214 MA's), (131, 9779), (148, 9806), (166, 9833), (171, 9839), (183, 9857), (188, 9863), (207, 9896), (209, 9899), (227, 9926), (248, 9944), (281, 10001), (285, 10007), (297, 10028),

Gene: LeMond_16 Start: 8929, Stop: 9348, Start Num: 43

Candidate Starts for LeMond_16:

(Start: 43 @8929 has 214 MA's), (Start: 51 @8941 has 19 MA's), (120, 9049), (148, 9091), (166, 9118), (171, 9124), (183, 9142), (214, 9193), (227, 9211), (248, 9229), (281, 9286), (290, 9301), (297, 9313),

Gene: Lea83_16 Start: 9985, Stop: 10419, Start Num: 43

Candidate Starts for Lea83_16:

(Start: 43 @9985 has 214 MA's), (Start: 56 @10006 has 1 MA's), (148, 10147), (171, 10180), (183, 10198), (188, 10204), (207, 10237), (225, 10267), (248, 10303), (281, 10360), (285, 10366), (297, 10387),

Gene: Lebo14_18 Start: 11224, Stop: 11649, Start Num: 24

Candidate Starts for Lebo14_18:

(Start: 24 @11224 has 23 MA's), (97, 11320), (135, 11371), (183, 11443), (188, 11449), (207, 11482), (214, 11494), (248, 11527), (297, 11611),

Gene: Legacy_14 Start: 9548, Stop: 10051, Start Num: 20

Candidate Starts for Legacy_14:

(Start: 20 @9548 has 111 MA's), (26, 9578), (Start: 57 @9617 has 67 MA's), (93, 9686), (182, 9821), (204, 9857), (207, 9863), (223, 9890), (227, 9896), (257, 9947), (273, 9974),

Gene: Lego_12 Start: 9039, Stop: 9452, Start Num: 39

Candidate Starts for Lego_12:

(Start: 39 @9039 has 73 MA's), (79, 9108), (180, 9258), (250, 9369), (268, 9402),

Gene: Lemuria_12 Start: 8737, Stop: 9186, Start Num: 28

Candidate Starts for Lemuria_12:

(Start: 28 @8737 has 80 MA's), (Start: 56 @8767 has 1 MA's), (93, 8839), (127, 8884), (151, 8923), (159, 8935), (171, 8950), (250, 9061), (270, 9097), (293, 9133),

Gene: Lennox_10 Start: 7514, Stop: 7924, Start Num: 34

Candidate Starts for Lennox_10:

(Start: 34 @7514 has 76 MA's), (93, 7607), (127, 7646), (137, 7661), (164, 7706), (194, 7748), (206, 7769), (263, 7865),

Gene: Leona_11 Start: 7953, Stop: 8393, Start Num: 43

Candidate Starts for Leona_11:

(Start: 43 @7953 has 214 MA's), (134, 8106), (136, 8109), (158, 8145), (161, 8151), (174, 8166), (218, 8238), (236, 8265), (296, 8364), (299, 8370), (302, 8382),

Gene: Leroy_12 Start: 7042, Stop: 7452, Start Num: 50

Candidate Starts for Leroy_12:

(14, 6913), (19, 6958), (Start: 20 @6964 has 111 MA's), (21, 6970), (25, 6988), (Start: 50 @7042 has 32 MA's), (66, 7069), (89, 7114), (93, 7120), (125, 7174), (151, 7213), (155, 7219), (170, 7240), (203, 7291), (210, 7303),

Gene: Leston_15 Start: 10197, Stop: 10619, Start Num: 43

Candidate Starts for Leston_15:

(11, 10113), (Start: 43 @10197 has 214 MA's), (Start: 47 @10203 has 9 MA's), (Start: 51 @10209 has 19 MA's), (103, 10293), (129, 10329), (166, 10386), (171, 10392), (183, 10410), (207, 10449), (209, 10452), (214, 10461), (248, 10497), (281, 10554), (290, 10569), (297, 10581),

Gene: Leviticus_14 Start: 9577, Stop: 10080, Start Num: 20

Candidate Starts for Leviticus_14:

(Start: 20 @9577 has 111 MA's), (26, 9607), (Start: 57 @9646 has 67 MA's), (93, 9715), (182, 9850), (204, 9886), (207, 9892), (223, 9919), (227, 9925), (257, 9976), (273, 10003),

Gene: Liebe_11 Start: 7496, Stop: 7915, Start Num: 39

Candidate Starts for Liebe_11:

(Start: 39 @7496 has 73 MA's), (Start: 53 @7514 has 5 MA's), (100, 7601), (177, 7715), (268, 7865),

Gene: Liefie_12 Start: 9413, Stop: 9856, Start Num: 28

Candidate Starts for Liefie_12:

(4, 9221), (Start: 28 @9413 has 80 MA's), (Start: 47 @9428 has 9 MA's), (Start: 56 @9443 has 1 MA's), (74, 9476), (93, 9506), (127, 9551), (131, 9557), (250, 9728),

Gene: Lika_14 Start: 9562, Stop: 10065, Start Num: 20

Candidate Starts for Lika_14:

(Start: 20 @9562 has 111 MA's), (140, 9769), (207, 9877), (223, 9904), (227, 9910), (257, 9961), (273, 9988),

Gene: LilDirt_14 Start: 9919, Stop: 10341, Start Num: 43

Candidate Starts for LilDirt_14:

(11, 9835), (Start: 43 @9919 has 214 MA's), (Start: 47 @9925 has 9 MA's), (Start: 51 @9931 has 19 MA's), (129, 10051), (166, 10108), (171, 10114), (183, 10132), (205, 10168), (207, 10171), (214, 10183), (248, 10219), (281, 10276), (290, 10291), (297, 10303),

Gene: LilPharaoh_13 Start: 9263, Stop: 9688, Start Num: 43

Candidate Starts for LilPharaoh_13:

(3, 9059), (Start: 43 @9263 has 214 MA's), (Start: 47 @9269 has 9 MA's), (Start: 56 @9284 has 1 MA's), (76, 9326), (97, 9353), (148, 9425), (166, 9452), (171, 9458), (183, 9476), (188, 9482), (227, 9545), (248, 9563), (281, 9620), (297, 9647),

Gene: LilSpotty_11 Start: 7105, Stop: 7479, Start Num: 53

Candidate Starts for LilSpotty_11:

(Start: 51 @7102 has 19 MA's), (Start: 53 @7105 has 5 MA's), (121, 7219), (124, 7222), (193, 7330), (200, 7342), (202, 7345), (225, 7384), (271, 7459),

Gene: LilStuart_10 Start: 7514, Stop: 7924, Start Num: 34

Candidate Starts for LilStuart_10:

(Start: 34 @7514 has 76 MA's), (93, 7607), (127, 7646), (137, 7661), (164, 7706), (194, 7748), (206, 7769), (263, 7865),

Gene: Lilas_13 Start: 8269, Stop: 8655, Start Num: 70

Candidate Starts for Lilas_13:

(Start: 70 @8269 has 17 MA's), (101, 8326),

Gene: Lilo27_11 Start: 7888, Stop: 8283, Start Num: 48

Candidate Starts for Lilo27_11:

(Start: 48 @7888 has 52 MA's), (72, 7927), (93, 7954), (150, 8032), (214, 8131), (237, 8164), (288, 8257),

Gene: LimaBean_11 Start: 7911, Stop: 8306, Start Num: 48

Candidate Starts for LimaBean_11:

(13, 7785), (Start: 48 @7911 has 52 MA's), (72, 7950), (93, 7977), (150, 8055), (214, 8154), (237, 8187), (288, 8280),

Gene: LindNT_17 Start: 9943, Stop: 10368, Start Num: 43

Candidate Starts for LindNT_17:

(Start: 43 @9943 has 214 MA's), (93, 10027), (109, 10048), (148, 10108), (166, 10135), (171, 10141), (183, 10159), (188, 10165), (214, 10210), (227, 10228), (248, 10246), (297, 10330),

Gene: LisoBros_11 Start: 7066, Stop: 7461, Start Num: 48

Candidate Starts for LisoBros_11:

(Start: 48 @7066 has 52 MA's), (72, 7102), (131, 7186), (160, 7234), (208, 7306),

Gene: LitninMcQueen_12 Start: 7046, Stop: 7438, Start Num: 50

Candidate Starts for LitninMcQueen_12:

(14, 6917), (19, 6962), (Start: 20 @6968 has 111 MA's), (21, 6974), (25, 6992), (32, 7010), (Start: 50 @7046 has 32 MA's), (66, 7073), (89, 7118), (93, 7124), (102, 7136), (125, 7160), (151, 7199), (155, 7205), (164, 7220), (170, 7226), (203, 7277), (210, 7289), (248, 7343),

Gene: Litotes_14 Start: 10399, Stop: 10809, Start Num: 34

Candidate Starts for Litotes_14:

(Start: 34 @10399 has 76 MA's), (Start: 62 @10441 has 7 MA's), (137, 10543), (263, 10747),

Gene: LittleTokyo_12 Start: 8235, Stop: 8678, Start Num: 43

Candidate Starts for LittleTokyo_12:

(Start: 36 @8223 has 8 MA's), (Start: 38 @8226 has 7 MA's), (Start: 43 @8235 has 214 MA's), (174, 8448), (204, 8496), (209, 8505), (211, 8508), (218, 8520), (249, 8571), (253, 8580), (296, 8646), (302, 8664),

Gene: Lizalica_12 Start: 9025, Stop: 9438, Start Num: 39

Candidate Starts for Lizalica_12:

(Start: 39 @9025 has 73 MA's), (79, 9094), (180, 9244), (250, 9355), (268, 9388),

Gene: Llorens_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Llorens_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: London_12 Start: 9019, Stop: 9429, Start Num: 39

Candidate Starts for London_12:

(Start: 39 @9019 has 73 MA's), (79, 9088), (173, 9226), (180, 9238), (250, 9349), (268, 9382),

Gene: LonelyBoi_13 Start: 8116, Stop: 8502, Start Num: 70

Candidate Starts for LonelyBoi_13:

(27, 8035), (Start: 70 @8116 has 17 MA's), (101, 8173),

Gene: LongHai_15 Start: 9275, Stop: 9649, Start Num: 76

Candidate Starts for LongHai_15:

(Start: 43 @9212 has 214 MA's), (Start: 45 @9215 has 21 MA's), (72, 9263), (76, 9275), (90, 9296), (95, 9302), (146, 9374), (156, 9389), (200, 9455), (207, 9467), (220, 9485), (251, 9530), (288, 9593),

Gene: Loofah_15 Start: 9547, Stop: 10044, Start Num: 20

Candidate Starts for Loofah_15:

(Start: 20 @9547 has 111 MA's), (Start: 53 @9607 has 5 MA's), (Start: 57 @9616 has 67 MA's), (93, 9685), (140, 9754), (182, 9820), (190, 9832),

Gene: Lorelei_14 Start: 9534, Stop: 10037, Start Num: 20

Candidate Starts for Lorelei_14:

(Start: 20 @9534 has 111 MA's), (140, 9741), (207, 9849), (223, 9876), (227, 9882), (257, 9933), (273, 9960),

Gene: LouisV14_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for LouisV14_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Loviatar_11 Start: 8231, Stop: 8626, Start Num: 48

Candidate Starts for Loviatar_11:

(13, 8105), (Start: 48 @8231 has 52 MA's), (Start: 51 @8234 has 19 MA's), (85, 8294), (223, 8489), (248, 8525), (263, 8558), (276, 8579),

Gene: Lucky10_11 Start: 6599, Stop: 6982, Start Num: 65

Candidate Starts for Lucky10_11:

(Start: 65 @6599 has 11 MA's), (95, 6653), (99, 6659), (107, 6671), (123, 6695), (165, 6755),

Gene: Lucy_10 Start: 7505, Stop: 7915, Start Num: 34

Candidate Starts for Lucy_10:

(Start: 34 @7505 has 76 MA's), (93, 7598), (127, 7637), (137, 7652), (164, 7697), (194, 7739), (206, 7760), (263, 7856),

Gene: Lunahalos_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Lunahalos_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Lunar_13 Start: 8497, Stop: 8940, Start Num: 43

Candidate Starts for Lunar_13:

(Start: 43 @8497 has 214 MA's), (92, 8587), (96, 8593), (132, 8647), (134, 8650), (158, 8689), (236, 8809), (249, 8833), (296, 8905), (299, 8911),

Gene: Lutum_12 Start: 7041, Stop: 7451, Start Num: 50

Candidate Starts for Lutum_12:

(14, 6912), (19, 6957), (Start: 20 @6963 has 111 MA's), (21, 6969), (25, 6987), (32, 7005), (Start: 50 @7041 has 32 MA's), (66, 7068), (89, 7113), (93, 7119), (125, 7173), (151, 7212), (155, 7218), (170, 7239), (203, 7290), (210, 7302),

Gene: Lynlen_11 Start: 7928, Stop: 8323, Start Num: 48

Candidate Starts for Lynlen_11:

(Start: 48 @7928 has 52 MA's), (72, 7967), (150, 8072), (214, 8171), (237, 8204), (288, 8297),

Gene: MAnor_12 Start: 7284, Stop: 7694, Start Num: 57

Candidate Starts for MAnor_12:

(Start: 57 @7284 has 67 MA's), (82, 7329), (106, 7368), (133, 7407), (141, 7419), (192, 7488), (253, 7593), (297, 7668),

Gene: MOOREtheMARYer_12 Start: 9625, Stop: 10074, Start Num: 28

Candidate Starts for MOOREtheMARYer_12:

(Start: 28 @9625 has 80 MA's), (Start: 56 @9655 has 1 MA's), (93, 9727), (97, 9733), (137, 9787), (159, 9823), (198, 9880), (250, 9949), (281, 10000), (285, 10006), (293, 10021),

Gene: MScarn_14 Start: 7491, Stop: 7901, Start Num: 57

Candidate Starts for MScarn_14:

(Start: 57 @7491 has 67 MA's), (77, 7533), (82, 7539), (106, 7578), (135, 7620), (173, 7674), (206, 7722), (213, 7734),

Gene: MZKinsey_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for MZKinsey_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: MaGuCo_11 Start: 7435, Stop: 7851, Start Num: 41

Candidate Starts for MaGuCo_11:

(Start: 41 @7435 has 5 MA's), (Start: 49 @7444 has 19 MA's), (Start: 53 @7450 has 5 MA's), (66, 7474), (100, 7537), (177, 7651), (268, 7801),

Gene: MaVan_14 Start: 8446, Stop: 8850, Start Num: 57

Candidate Starts for MaVan_14:

(Start: 57 @8446 has 67 MA's), (82, 8494), (137, 8575), (163, 8614), (186, 8641), (215, 8689), (253, 8755),

Gene: Mabodamaca_11 Start: 8555, Stop: 8968, Start Num: 39

Candidate Starts for Mabodamaca_11:

(Start: 39 @8555 has 73 MA's), (133, 8696),

Gene: MacKat_17 Start: 9996, Stop: 10421, Start Num: 43

Candidate Starts for MacKat_17:

(Start: 43 @9996 has 214 MA's), (61, 10026), (109, 10101), (148, 10161), (166, 10188), (171, 10194), (183, 10212), (188, 10218), (214, 10263), (227, 10281), (248, 10299), (297, 10383),

Gene: MacnCheese_17 Start: 10213, Stop: 10644, Start Num: 43

Candidate Starts for MacnCheese_17:

(Start: 43 @10213 has 214 MA's), (Start: 49 @10222 has 19 MA's), (148, 10375), (171, 10408), (183, 10426), (207, 10465), (225, 10495), (281, 10585), (285, 10591), (297, 10612),

Gene: Maco6_12 Start: 8171, Stop: 8605, Start Num: 45

Candidate Starts for Maco6_12:

(Start: 43 @8168 has 214 MA's), (Start: 45 @8171 has 21 MA's), (72, 8219), (76, 8231), (90, 8252), (95, 8258), (146, 8330), (156, 8345), (200, 8411), (207, 8423), (220, 8441), (251, 8486), (288, 8549),

Gene: Maja_11 Start: 8064, Stop: 8444, Start Num: 60

Candidate Starts for Maja_11:

(Start: 60 @8064 has 17 MA's), (88, 8112), (108, 8142), (147, 8208), (163, 8229), (168, 8235), (232, 8337), (254, 8373), (272, 8406),

Gene: Makima_14 Start: 9103, Stop: 9495, Start Num: 50

Candidate Starts for Makima_14:

(Start: 50 @9103 has 32 MA's), (Start: 83 @9166 has 1 MA's), (150, 9259), (172, 9289), (206, 9343), (208, 9346), (210, 9349), (237, 9385), (298, 9487),

Gene: Makoto_10 Start: 7514, Stop: 7924, Start Num: 34

Candidate Starts for Makoto_10:

(Start: 34 @7514 has 76 MA's), (93, 7607), (127, 7646), (137, 7661), (164, 7706), (194, 7748), (206, 7769), (263, 7865),

Gene: MalagasyRose_18 Start: 10495, Stop: 10899, Start Num: 43

Candidate Starts for MalagasyRose_18:

(Start: 43 @10495 has 214 MA's), (59, 10522), (Start: 62 @10528 has 7 MA's), (75, 10555), (109, 10600), (115, 10609), (130, 10633), (132, 10636), (173, 10684), (176, 10687), (178, 10690), (185, 10702), (215, 10744), (227, 10759), (259, 10804), (281, 10837), (303, 10882), (305, 10894),

Gene: Maliketh_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Maliketh_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Malisha_12 Start: 8091, Stop: 8501, Start Num: 50

Candidate Starts for Malisha_12:

(19, 8007), (Start: 20 @8013 has 111 MA's), (Start: 50 @8091 has 32 MA's), (93, 8169), (102, 8181), (125, 8223), (151, 8262), (155, 8268), (164, 8283), (170, 8289), (196, 8328), (210, 8352), (248, 8406),

Gene: Malthus_18 Start: 11130, Stop: 11555, Start Num: 24

Candidate Starts for Malthus_18:

(Start: 24 @11130 has 23 MA's), (97, 11226), (183, 11349), (188, 11355), (207, 11388), (214, 11400), (248, 11433), (297, 11517),

Gene: Malvina_14 Start: 8348, Stop: 8746, Start Num: 57

Candidate Starts for Malvina_14:

(Start: 57 @8348 has 67 MA's), (82, 8396), (137, 8477), (163, 8516), (186, 8543), (192, 8552), (199, 8564), (215, 8591), (221, 8600), (253, 8657),

Gene: MamaPearl_10 Start: 7558, Stop: 7971, Start Num: 34

Candidate Starts for MamaPearl_10:

(Start: 34 @7558 has 76 MA's), (72, 7621), (137, 7705), (164, 7750), (167, 7753), (194, 7792), (231, 7852), (263, 7909),

Gene: Maneekul_14 Start: 9542, Stop: 10045, Start Num: 20

Candidate Starts for Maneekul_14:

(Start: 20 @9542 has 111 MA's), (204, 9851), (207, 9857), (223, 9884), (227, 9890), (257, 9941), (273, 9968),

Gene: Marav_17 Start: 10382, Stop: 10879, Start Num: 20

Candidate Starts for Marav_17:

(Start: 20 @10382 has 111 MA's), (Start: 45 @10430 has 21 MA's), (Start: 53 @10442 has 5 MA's), (74, 10481), (189, 10664), (265, 10796), (273, 10808),

Gene: Marcoliusprime_13 Start: 7962, Stop: 8381, Start Num: 45

Candidate Starts for Marcoliusprime_13:

(11, 7878), (Start: 45 @7962 has 21 MA's), (Start: 51 @7971 has 19 MA's), (Start: 62 @7992 has 7 MA's), (148, 8121), (166, 8148), (183, 8172), (188, 8178), (223, 8235), (248, 8256), (281, 8313), (290, 8328), (297, 8340),

Gene: Margaret_15 Start: 8228, Stop: 8632, Start Num: 57

Candidate Starts for Margaret_15:

(Start: 57 @8228 has 67 MA's), (69, 8249), (71, 8252), (77, 8270), (106, 8318), (116, 8330), (179, 8417), (206, 8462), (258, 8549), (300, 8627),

Gene: MargaretKali_12 Start: 8078, Stop: 8455, Start Num: 60

Candidate Starts for MargaretKali_12:

(Start: 60 @8078 has 17 MA's), (93, 8135), (147, 8219), (163, 8240), (168, 8246), (193, 8285), (228, 8342), (232, 8348), (254, 8384), (272, 8417),

Gene: Maria1952_10 Start: 7547, Stop: 7984, Start Num: 34

Candidate Starts for Maria1952_10:

(Start: 34 @7547 has 76 MA's), (Start: 36 @7553 has 8 MA's), (59, 7592), (61, 7595), (127, 7688), (137, 7703), (145, 7715), (149, 7724), (150, 7727), (164, 7748), (263, 7907),

Gene: MarkPhew_17 Start: 8825, Stop: 9244, Start Num: 43

Candidate Starts for MarkPhew_17:

(Start: 43 @8825 has 214 MA's), (109, 8927), (148, 8987), (166, 9014), (171, 9020), (200, 9065), (214, 9089), (227, 9107), (248, 9125), (281, 9182), (290, 9197), (297, 9209),

Gene: Marmie_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Marmie_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Marshawn_18 Start: 9519, Stop: 9941, Start Num: 43

Candidate Starts for Marshawn_18:

(Start: 43 @9519 has 214 MA's), (Start: 51 @9531 has 19 MA's), (97, 9609), (109, 9621), (148, 9681), (166, 9708), (171, 9714), (183, 9732), (209, 9774), (214, 9783), (225, 9798), (227, 9801), (248, 9819),

(281, 9876), (290, 9891), (297, 9903),

Gene: Marteena_13 Start: 8269, Stop: 8655, Start Num: 70

Candidate Starts for Marteena_13:

(Start: 70 @8269 has 17 MA's), (101, 8326),

Gene: Maureen_11 Start: 7496, Stop: 7915, Start Num: 39

Candidate Starts for Maureen_11:

(Start: 39 @7496 has 73 MA's), (Start: 53 @7514 has 5 MA's), (100, 7601), (177, 7715), (268, 7865),

Gene: Mayweather_13 Start: 7917, Stop: 8327, Start Num: 57

Candidate Starts for Mayweather_13:

(Start: 57 @7917 has 67 MA's), (82, 7962), (106, 8001), (133, 8040), (141, 8052), (192, 8121), (253, 8226), (297, 8301),

Gene: McDazzle_11 Start: 7759, Stop: 8169, Start Num: 57

Candidate Starts for McDazzle_11:

(Start: 57 @7759 has 67 MA's), (82, 7804), (106, 7843), (133, 7882), (141, 7894), (192, 7963), (253, 8068), (297, 8143),

Gene: McMater_17 Start: 9056, Stop: 9478, Start Num: 43

Candidate Starts for McMater_17:

(Start: 43 @9056 has 214 MA's), (109, 9158), (148, 9218), (166, 9245), (171, 9251), (183, 9269), (188, 9275), (200, 9296), (214, 9320), (227, 9338), (248, 9356), (290, 9428), (297, 9440),

Gene: Mdavu_13 Start: 9251, Stop: 9676, Start Num: 43

Candidate Starts for Mdavu_13:

(3, 9047), (Start: 43 @9251 has 214 MA's), (Start: 47 @9257 has 9 MA's), (Start: 56 @9272 has 1 MA's), (97, 9341), (148, 9413), (166, 9440), (171, 9446), (183, 9464), (188, 9470), (227, 9533), (248, 9551), (281, 9608), (297, 9635),

Gene: MeaningOfLife_17 Start: 9952, Stop: 10377, Start Num: 43

Candidate Starts for MeaningOfLife_17:

(Start: 43 @9952 has 214 MA's), (148, 10117), (166, 10144), (171, 10150), (183, 10168), (188, 10174), (214, 10219), (227, 10237), (248, 10255), (297, 10339),

Gene: MeganNoll_14 Start: 10429, Stop: 10842, Start Num: 34

Candidate Starts for MeganNoll_14:

(Start: 34 @10429 has 76 MA's), (127, 10564), (137, 10579), (150, 10603), (164, 10624), (194, 10666), (263, 10783),

Gene: Megsy_17 Start: 9946, Stop: 10371, Start Num: 43

Candidate Starts for Megsy_17:

(Start: 43 @9946 has 214 MA's), (93, 10030), (109, 10051), (148, 10111), (166, 10138), (171, 10144), (183, 10162), (188, 10168), (214, 10213), (248, 10249), (297, 10333),

Gene: Melons_13 Start: 8497, Stop: 8940, Start Num: 43

Candidate Starts for Melons_13:

(Start: 43 @8497 has 214 MA's), (92, 8587), (96, 8593), (132, 8647), (134, 8650), (158, 8689), (236, 8809), (249, 8833), (296, 8905), (299, 8911),

Gene: Mercurio_13 Start: 9380, Stop: 9829, Start Num: 28

Candidate Starts for Mercurio_13:

(11, 9305), (Start: 28 @9380 has 80 MA's), (Start: 56 @9410 has 1 MA's), (93, 9482), (127, 9527), (159, 9578), (250, 9704), (270, 9740), (293, 9776),

Gene: Michkear_14 Start: 10927, Stop: 11340, Start Num: 42

Candidate Starts for Michkear_14:

(Start: 42 @10927 has 9 MA's), (96, 11023), (180, 11149),

Gene: Milly_13 Start: 7962, Stop: 8381, Start Num: 45

Candidate Starts for Milly_13:

(11, 7878), (Start: 45 @7962 has 21 MA's), (Start: 51 @7971 has 19 MA's), (Start: 62 @7992 has 7 MA's), (148, 8121), (166, 8148), (183, 8172), (188, 8178), (223, 8235), (248, 8256), (281, 8313), (290, 8328), (297, 8340),

Gene: Milomuff_12 Start: 8297, Stop: 8692, Start Num: 48

Candidate Starts for Milomuff_12:

(13, 8171), (Start: 48 @8297 has 52 MA's), (72, 8336), (93, 8363), (150, 8441), (214, 8540), (237, 8573), (288, 8666),

Gene: MiniMommy_10 Start: 7286, Stop: 7681, Start Num: 39

Candidate Starts for MiniMommy_10:

(Start: 39 @7286 has 73 MA's), (173, 7478),

Gene: Mireles_13 Start: 7499, Stop: 7891, Start Num: 50

Candidate Starts for Mireles_13:

(Start: 50 @7499 has 32 MA's), (150, 7655), (172, 7685), (208, 7742), (210, 7745), (298, 7883),

Gene: Miryou_15 Start: 10045, Stop: 10467, Start Num: 43

Candidate Starts for Miryou_15:

(11, 9961), (Start: 43 @10045 has 214 MA's), (Start: 47 @10051 has 9 MA's), (Start: 51 @10057 has 19 MA's), (103, 10141), (129, 10177), (166, 10234), (171, 10240), (183, 10258), (207, 10297), (209, 10300), (214, 10309), (248, 10345), (281, 10402), (290, 10417), (297, 10429),

Gene: Misaeng_14 Start: 10498, Stop: 10908, Start Num: 34

Candidate Starts for Misaeng_14:

(Start: 34 @10498 has 76 MA's), (137, 10642), (143, 10651), (145, 10654), (162, 10684), (167, 10690), (191, 10723), (263, 10846), (278, 10870),

Gene: MissDaisy_18 Start: 10984, Stop: 11409, Start Num: 24

Candidate Starts for MissDaisy_18:

(Start: 24 @10984 has 23 MA's), (97, 11080), (135, 11131), (183, 11203), (188, 11209), (207, 11242), (214, 11254), (248, 11287), (297, 11371),

Gene: MissSwiss_12 Start: 9018, Stop: 9434, Start Num: 42

Candidate Starts for MissSwiss_12:

(Start: 42 @9018 has 9 MA's), (71, 9066), (177, 9234),

Gene: Mitti_18 Start: 11134, Stop: 11559, Start Num: 24

Candidate Starts for Mitti_18:

(Start: 24 @11134 has 23 MA's), (97, 11230), (183, 11353), (188, 11359), (207, 11392), (214, 11404), (248, 11437), (297, 11521),

Gene: Moki_10 Start: 7516, Stop: 7926, Start Num: 34

Candidate Starts for Moki_10:

(Start: 34 @7516 has 76 MA's), (127, 7648), (137, 7663), (164, 7708), (167, 7711), (194, 7750), (263, 7867),

Gene: Morkie_11 Start: 6561, Stop: 6944, Start Num: 65

Candidate Starts for Morkie_11:

(Start: 65 @6561 has 11 MA's), (95, 6615), (99, 6621), (107, 6633), (123, 6657), (165, 6717), (247, 6834), (249, 6840), (297, 6930),

Gene: Morrey_18 Start: 8746, Stop: 9135, Start Num: 60

Candidate Starts for Morrey_18:

(Start: 60 @8746 has 17 MA's), (147, 8893), (193, 8959), (200, 8971),

Gene: MortyNRick_12 Start: 7390, Stop: 7773, Start Num: 65

Candidate Starts for MortyNRick_12:

(Start: 65 @7390 has 11 MA's), (95, 7444), (99, 7450), (107, 7462), (123, 7486), (249, 7669), (297, 7759),

Gene: Moss_12 Start: 8547, Stop: 8966, Start Num: 39

Candidate Starts for Moss_12:

(Start: 39 @8547 has 73 MA's), (66, 8589), (244, 8871),

Gene: Mowgli_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Mowgli_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: MrBoss_14 Start: 10441, Stop: 10809, Start Num: 62

Candidate Starts for MrBoss_14:

(Start: 34 @10399 has 76 MA's), (Start: 62 @10441 has 7 MA's), (127, 10528), (137, 10543), (263, 10747),

Gene: MrGloopy_14 Start: 10362, Stop: 10775, Start Num: 34

Candidate Starts for MrGloopy_14:

(Start: 34 @10362 has 76 MA's), (127, 10497), (137, 10512), (164, 10557), (194, 10599), (263, 10716),

Gene: MsUbiquitous_11 Start: 7951, Stop: 8346, Start Num: 48

Candidate Starts for MsUbiquitous_11:

(13, 7825), (Start: 48 @7951 has 52 MA's), (72, 7990), (93, 8017), (150, 8095), (237, 8227), (288, 8320),

Gene: Muddy_14 Start: 9121, Stop: 9555, Start Num: 45

Candidate Starts for Muddy_14:

(Start: 43 @9118 has 214 MA's), (Start: 45 @9121 has 21 MA's), (72, 9169), (76, 9181), (90, 9202), (95, 9208), (146, 9280), (156, 9295), (200, 9361), (207, 9373), (220, 9391), (251, 9436), (288, 9499),

Gene: Mudpuppy_12 Start: 9039, Stop: 9452, Start Num: 39

Candidate Starts for Mudpuppy_12:

(Start: 39 @9039 has 73 MA's), (79, 9108), (180, 9258), (250, 9369), (268, 9402),

Gene: Mufasa_13 Start: 7948, Stop: 8367, Start Num: 45

Candidate Starts for Mufasa_13:

(11, 7864), (Start: 45 @7948 has 21 MA's), (Start: 51 @7957 has 19 MA's), (Start: 62 @7978 has 7 MA's), (148, 8107), (166, 8134), (183, 8158), (188, 8164), (223, 8221), (248, 8242), (281, 8299), (290,

8314), (297, 8326),

Gene: MunkgeeRoachy_12 Start: 7570, Stop: 7980, Start Num: 57

Candidate Starts for MunkgeeRoachy_12:

(Start: 57 @7570 has 67 MA's), (77, 7612), (82, 7618), (106, 7657), (135, 7699), (173, 7753), (213, 7813),

Gene: Murucutumbu_17 Start: 9930, Stop: 10355, Start Num: 43

Candidate Starts for Murucutumbu_17:

(Start: 43 @9930 has 214 MA's), (109, 10035), (148, 10095), (166, 10122), (171, 10128), (183, 10146), (188, 10152), (214, 10197), (227, 10215), (248, 10233), (281, 10290), (297, 10317),

Gene: Mynx_17 Start: 9999, Stop: 10424, Start Num: 43

Candidate Starts for Mynx_17:

(Start: 43 @9999 has 214 MA's), (148, 10164), (166, 10191), (171, 10197), (183, 10215), (188, 10221), (207, 10254), (214, 10266), (227, 10284), (248, 10302), (297, 10386),

Gene: Mysterium_12 Start: 8548, Stop: 8967, Start Num: 39

Candidate Starts for Mysterium_12:

(Start: 39 @8548 has 73 MA's), (66, 8590), (177, 8767), (244, 8872),

Gene: Nabi_14 Start: 9534, Stop: 10037, Start Num: 20

Candidate Starts for Nabi_14:

(Start: 20 @9534 has 111 MA's), (140, 9741), (207, 9849), (223, 9876), (227, 9882), (257, 9933), (273, 9960),

Gene: Nancia_10 Start: 7514, Stop: 7924, Start Num: 34

Candidate Starts for Nancia_10:

(Start: 34 @7514 has 76 MA's), (93, 7607), (127, 7646), (137, 7661), (164, 7706), (194, 7748), (206, 7769), (263, 7865),

Gene: Nanodon_16 Start: 9736, Stop: 10239, Start Num: 20

Candidate Starts for Nanodon_16:

(Start: 20 @9736 has 111 MA's), (140, 9943), (207, 10051), (223, 10078), (227, 10084), (257, 10135), (273, 10162),

Gene: Nebkiss_9 Start: 7643, Stop: 8014, Start Num: 53

Candidate Starts for Nebkiss_9:

(Start: 53 @7643 has 5 MA's), (109, 7739), (121, 7760), (140, 7787), (142, 7790), (144, 7793), (154, 7808), (193, 7865), (200, 7877), (225, 7922), (262, 7982), (266, 7988), (269, 7994),

Gene: Neighly_15 Start: 9903, Stop: 10325, Start Num: 43

Candidate Starts for Neighly_15:

(11, 9819), (Start: 43 @9903 has 214 MA's), (Start: 47 @9909 has 9 MA's), (Start: 51 @9915 has 19 MA's), (129, 10035), (166, 10092), (171, 10098), (183, 10116), (207, 10155), (214, 10167), (248, 10203), (281, 10260), (297, 10287),

Gene: Neoh_12 Start: 9415, Stop: 9858, Start Num: 28

Candidate Starts for Neoh_12:

(4, 9223), (Start: 28 @9415 has 80 MA's), (Start: 47 @9430 has 9 MA's), (Start: 56 @9445 has 1 MA's), (74, 9478), (93, 9508), (127, 9553), (131, 9559), (250, 9730),

Gene: Nerdos_14 Start: 9577, Stop: 10080, Start Num: 20

Candidate Starts for Nerdos_14:

(Start: 20 @9577 has 111 MA's), (26, 9607), (Start: 57 @9646 has 67 MA's), (93, 9715), (182, 9850), (204, 9886), (207, 9892), (223, 9919), (227, 9925), (257, 9976), (273, 10003),

Gene: Nergal_16 Start: 10958, Stop: 11374, Start Num: 43

Candidate Starts for Nergal_16:

(Start: 43 @10958 has 214 MA's), (Start: 49 @10967 has 19 MA's), (Start: 53 @10973 has 5 MA's), (59, 10985), (Start: 62 @10991 has 7 MA's), (157, 11138), (176, 11162), (281, 11312), (303, 11357), (305, 11369),

Gene: Neroxid_11 Start: 6551, Stop: 6949, Start Num: 50

Candidate Starts for Neroxid_11:

(19, 6467), (Start: 50 @6551 has 32 MA's), (76, 6602), (85, 6614), (93, 6626), (102, 6638), (127, 6665), (150, 6704), (162, 6722), (219, 6809), (243, 6839), (252, 6860),

Gene: Nesbitt_11 Start: 7855, Stop: 8250, Start Num: 49

Candidate Starts for Nesbitt_11:

(Start: 49 @7855 has 19 MA's), (Start: 56 @7867 has 1 MA's), (68, 7888), (72, 7897), (102, 7936), (117, 7960), (131, 7981), (167, 8035), (210, 8101), (212, 8107), (248, 8164), (274, 8212),

Gene: Neuville_13 Start: 7727, Stop: 8119, Start Num: 50

Candidate Starts for Neuville_13:

(Start: 50 @7727 has 32 MA's), (108, 7826), (110, 7829), (149, 7880), (150, 7883), (208, 7970), (210, 7973), (283, 8087), (298, 8111),

Gene: Nibb_16 Start: 8966, Stop: 9385, Start Num: 43

Candidate Starts for Nibb_16:

(Start: 43 @8966 has 214 MA's), (109, 9068), (120, 9086), (148, 9128), (166, 9155), (171, 9161), (200, 9206), (214, 9230), (227, 9248), (248, 9266), (281, 9323), (290, 9338), (297, 9350),

Gene: Nibbles_14 Start: 8446, Stop: 8850, Start Num: 57

Candidate Starts for Nibbles_14:

(Start: 57 @8446 has 67 MA's), (82, 8494), (137, 8575), (163, 8614), (186, 8641), (215, 8689), (253, 8755),

Gene: Niblet_12 Start: 8281, Stop: 8721, Start Num: 43

Candidate Starts for Niblet_12:

(Start: 43 @8281 has 214 MA's), (92, 8371), (96, 8377), (119, 8413), (132, 8431), (134, 8434), (158, 8473), (218, 8566), (236, 8593), (249, 8617), (272, 8653), (296, 8689),

Gene: Nicky22_12 Start: 8359, Stop: 8754, Start Num: 48

Candidate Starts for Nicky22_12:

(Start: 48 @8359 has 52 MA's), (72, 8398), (120, 8455), (150, 8503), (237, 8635), (288, 8728),

Gene: Nikao_13 Start: 9263, Stop: 9688, Start Num: 43

Candidate Starts for Nikao_13:

(3, 9059), (Start: 43 @9263 has 214 MA's), (Start: 47 @9269 has 9 MA's), (Start: 56 @9284 has 1 MA's), (97, 9353), (148, 9425), (166, 9452), (171, 9458), (183, 9476), (188, 9482), (227, 9545), (248, 9563), (281, 9620), (297, 9647),

Gene: Niklas_17 Start: 9056, Stop: 9478, Start Num: 43

Candidate Starts for Niklas_17:

(Start: 43 @9056 has 214 MA's), (109, 9158), (148, 9218), (166, 9245), (171, 9251), (183, 9269), (188, 9275), (200, 9296), (214, 9320), (227, 9338), (248, 9356), (290, 9428), (297, 9440),

Gene: Nina_13 Start: 8556, Stop: 8966, Start Num: 57

Candidate Starts for Nina_13:

(Start: 57 @8556 has 67 MA's), (77, 8598), (82, 8604), (106, 8643), (135, 8685), (173, 8739), (213, 8799),

Gene: Niobe_12 Start: 9019, Stop: 9429, Start Num: 39

Candidate Starts for Niobe_12:

(Start: 39 @9019 has 73 MA's), (79, 9088), (173, 9226), (180, 9238), (250, 9349), (268, 9382),

Gene: Nishikigoi_14 Start: 9435, Stop: 9932, Start Num: 20

Candidate Starts for Nishikigoi_14:

(Start: 20 @9435 has 111 MA's), (Start: 53 @9495 has 5 MA's), (74, 9534), (144, 9648), (189, 9717), (207, 9750), (257, 9834),

Gene: Nitro_12 Start: 9042, Stop: 9452, Start Num: 39

Candidate Starts for Nitro_12:

(Start: 39 @9042 has 73 MA's), (68, 9087), (79, 9111), (250, 9372), (268, 9405),

Gene: NoShow_12 Start: 8260, Stop: 8688, Start Num: 45

Candidate Starts for NoShow_12:

(Start: 45 @8260 has 21 MA's), (72, 8308), (114, 8371), (175, 8458), (207, 8509), (212, 8518), (220, 8527), (277, 8617), (288, 8638), (295, 8650),

Gene: NoSwimming_13 Start: 9693, Stop: 10082, Start Num: 60

Candidate Starts for NoSwimming_13:

(Start: 60 @9693 has 17 MA's), (79, 9726), (163, 9861), (177, 9879), (246, 9990), (254, 10005),

Gene: Nodigi_14 Start: 8512, Stop: 8916, Start Num: 57

Candidate Starts for Nodigi_14:

(Start: 57 @8512 has 67 MA's), (82, 8560), (106, 8602), (179, 8701), (234, 8791), (258, 8833), (288, 8887), (300, 8911),

Gene: November_15 Start: 9807, Stop: 10223, Start Num: 43

Candidate Starts for November_15:

(Start: 43 @9807 has 214 MA's), (Start: 56 @9828 has 1 MA's), (97, 9897), (148, 9969), (171, 10002), (207, 10059), (214, 10071), (227, 10089), (248, 10107), (281, 10164), (285, 10170), (297, 10191),

Gene: Nubia_14 Start: 10412, Stop: 10822, Start Num: 34

Candidate Starts for Nubia_14:

(Start: 34 @10412 has 76 MA's), (137, 10556), (143, 10565), (145, 10568), (162, 10598), (167, 10604), (191, 10637), (263, 10760), (278, 10784),

Gene: Nutello_13 Start: 9263, Stop: 9688, Start Num: 43

Candidate Starts for Nutello_13:

(3, 9059), (Start: 43 @9263 has 214 MA's), (Start: 47 @9269 has 9 MA's), (Start: 56 @9284 has 1 MA's), (97, 9353), (148, 9425), (166, 9452), (171, 9458), (183, 9476), (188, 9482), (227, 9545), (248, 9563), (281, 9620), (297, 9647),

Gene: ODay_12 Start: 7116, Stop: 7499, Start Num: 65

Candidate Starts for ODay_12:

(Start: 65 @7116 has 11 MA's), (73, 7131), (95, 7170), (99, 7176), (107, 7188), (123, 7212), (249, 7395), (297, 7485),

Gene: OMalley_10 Start: 7551, Stop: 7982, Start Num: 36

Candidate Starts for OMalley_10:

(Start: 34 @7545 has 76 MA's), (Start: 36 @7551 has 8 MA's), (Start: 49 @7572 has 19 MA's), (88, 7644), (137, 7701), (145, 7713), (149, 7722), (164, 7746), (263, 7905),

Gene: ObiToo_12 Start: 9222, Stop: 9635, Start Num: 39

Candidate Starts for ObiToo_12:

(Start: 39 @9222 has 73 MA's), (79, 9291), (173, 9429), (180, 9441), (250, 9552), (268, 9585),

Gene: OctaviousRex_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for OctaviousRex_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: OkiRoe_15 Start: 10067, Stop: 10489, Start Num: 43

Candidate Starts for OkiRoe_15:

(11, 9983), (Start: 43 @10067 has 214 MA's), (Start: 47 @10073 has 9 MA's), (Start: 51 @10079 has 19 MA's), (103, 10163), (129, 10199), (166, 10256), (171, 10262), (183, 10280), (205, 10316), (207, 10319), (209, 10322), (214, 10331), (248, 10367), (281, 10424), (290, 10439), (297, 10451),

Gene: Olga_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Olga_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Oliynyk_15 Start: 9740, Stop: 10243, Start Num: 20

Candidate Starts for Oliynyk_15:

(Start: 20 @9740 has 111 MA's), (26, 9770), (Start: 57 @9809 has 67 MA's), (93, 9878), (182, 10013), (204, 10049), (207, 10055), (223, 10082), (227, 10088), (257, 10139), (273, 10166),

Gene: Olliecat_11 Start: 8144, Stop: 8536, Start Num: 45

Candidate Starts for Olliecat_11:

(Start: 45 @8144 has 21 MA's), (59, 8159), (93, 8210), (133, 8258), (143, 8273), (187, 8339), (224, 8402), (233, 8411), (248, 8435), (278, 8492),

Gene: Omar_15 Start: 9669, Stop: 10166, Start Num: 20

Candidate Starts for Omar_15:

(Start: 20 @9669 has 111 MA's), (Start: 53 @9729 has 5 MA's), (74, 9768), (144, 9882), (189, 9951), (207, 9984), (273, 10095),

Gene: OmniCritical_18 Start: 11121, Stop: 11546, Start Num: 24

Candidate Starts for OmniCritical_18:

(Start: 24 @11121 has 23 MA's), (97, 11217), (183, 11340), (188, 11346), (207, 11379), (214, 11391), (248, 11424), (297, 11508),

Gene: Omnicron_15 Start: 9133, Stop: 9555, Start Num: 43

Candidate Starts for Omnicron_15:

(11, 9049), (Start: 43 @9133 has 214 MA's), (Start: 47 @9139 has 9 MA's), (Start: 51 @9145 has 19 MA's), (81, 9202), (103, 9229), (129, 9265), (171, 9328), (183, 9346), (207, 9385), (214, 9397), (223, 9409), (248, 9433), (281, 9490), (285, 9496), (290, 9505), (297, 9517),

Gene: Oppalora_11 Start: 7902, Stop: 8342, Start Num: 43

Candidate Starts for Oppalora_11:

(Start: 43 @7902 has 214 MA's), (72, 7953), (134, 8055), (136, 8058), (158, 8094), (161, 8100), (174, 8115), (218, 8187), (236, 8214), (296, 8313), (299, 8319), (302, 8331),

Gene: Orcanus_12 Start: 8285, Stop: 8725, Start Num: 43

Candidate Starts for Orcanus_12:

(Start: 36 @8273 has 8 MA's), (Start: 43 @8285 has 214 MA's), (92, 8375), (119, 8417), (132, 8435), (134, 8438), (158, 8477), (218, 8570), (236, 8597), (249, 8621), (272, 8657), (296, 8693),

Gene: Origami_11 Start: 7283, Stop: 7678, Start Num: 39

Candidate Starts for Origami_11:

(Start: 39 @7283 has 73 MA's), (173, 7475),

Gene: Orla_14 Start: 8516, Stop: 8920, Start Num: 57

Candidate Starts for Orla_14:

(Start: 57 @8516 has 67 MA's), (82, 8564), (106, 8606), (179, 8705), (234, 8795), (258, 8837), (288, 8891), (300, 8915),

Gene: Oscar_16 Start: 8930, Stop: 9349, Start Num: 43

Candidate Starts for Oscar_16:

(Start: 43 @8930 has 214 MA's), (Start: 51 @8942 has 19 MA's), (109, 9032), (120, 9050), (148, 9092), (166, 9119), (171, 9125), (183, 9143), (214, 9194), (227, 9212), (248, 9230), (281, 9287), (290, 9302), (297, 9314),

Gene: OtsoOtso_12 Start: 8336, Stop: 8779, Start Num: 43

Candidate Starts for OtsoOtso_12:

(Start: 43 @8336 has 214 MA's), (92, 8426), (96, 8432), (132, 8486), (134, 8489), (158, 8528), (236, 8648), (249, 8672), (296, 8744), (299, 8750),

Gene: OurGirlNessie_10 Start: 7505, Stop: 7915, Start Num: 34

Candidate Starts for OurGirlNessie_10:

(Start: 34 @7505 has 76 MA's), (93, 7598), (127, 7637), (137, 7652), (164, 7697), (194, 7739), (206, 7760), (263, 7856),

Gene: Oxynfrius_14 Start: 10425, Stop: 10835, Start Num: 34

Candidate Starts for Oxynfrius_14:

(Start: 34 @10425 has 76 MA's), (137, 10569), (143, 10578), (145, 10581), (162, 10611), (167, 10617), (191, 10650), (263, 10773), (278, 10797),

Gene: Ozzie_14 Start: 9557, Stop: 10060, Start Num: 20

Candidate Starts for Ozzie_14:

(Start: 20 @9557 has 111 MA's), (26, 9587), (Start: 57 @9626 has 67 MA's), (93, 9695), (182, 9830), (204, 9866), (207, 9872), (223, 9899), (227, 9905), (257, 9956), (273, 9983),

Gene: OzzyJ_15 Start: 9534, Stop: 10037, Start Num: 20

Candidate Starts for OzzyJ_15:

(Start: 20 @9534 has 111 MA's), (140, 9741), (207, 9849), (223, 9876), (227, 9882), (257, 9933), (273, 9960),

Gene: P3MA_12 Start: 7714, Stop: 8139, Start Num: 37

Candidate Starts for P3MA_12:

(9, 7585), (13, 7609), (16, 7621), (23, 7675), (Start: 37 @7714 has 1 MA's), (153, 7897), (161, 7909), (280, 8104),

Gene: PFR1_09 Start: 7693, Stop: 8106, Start Num: 73

Candidate Starts for PFR1_09:

(73, 7693), (86, 7720), (93, 7732), (96, 7735), (117, 7771), (125, 7783), (144, 7810), (152, 7825), (168, 7849), (177, 7861), (190, 7882), (218, 7933), (238, 7963), (255, 7996),

Gene: PFR2_09 Start: 7693, Stop: 8106, Start Num: 73

Candidate Starts for PFR2_09:

(73, 7693), (86, 7720), (93, 7732), (96, 7735), (117, 7771), (125, 7783), (144, 7810), (152, 7825), (168, 7849), (177, 7861), (190, 7882), (218, 7933), (238, 7963), (255, 7996),

Gene: Pablito_14 Start: 9405, Stop: 9902, Start Num: 20

Candidate Starts for Pablito_14:

(8, 9321), (Start: 20 @9405 has 111 MA's), (Start: 57 @9474 has 67 MA's), (74, 9504), (93, 9543), (144, 9618), (189, 9687),

Gene: Pace1224_12 Start: 9474, Stop: 9932, Start Num: 28

Candidate Starts for Pace1224_12:

(4, 9285), (Start: 28 @9474 has 80 MA's), (Start: 39 @9501 has 73 MA's), (Start: 47 @9513 has 9 MA's), (Start: 56 @9528 has 1 MA's), (111, 9624), (159, 9696), (181, 9726), (250, 9822), (293, 9894),

Gene: Padfoot_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Padfoot_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Padpat_17 Start: 9979, Stop: 10404, Start Num: 43

Candidate Starts for Padpat_17:

(Start: 43 @9979 has 214 MA's), (109, 10084), (148, 10144), (166, 10171), (171, 10177), (183, 10195), (188, 10201), (214, 10246), (227, 10264), (248, 10282), (297, 10366),

Gene: Paedore_14 Start: 9547, Stop: 10044, Start Num: 20

Candidate Starts for Paedore_14:

(Start: 20 @9547 has 111 MA's), (Start: 53 @9607 has 5 MA's), (Start: 57 @9616 has 67 MA's), (93, 9685), (140, 9754), (182, 9820), (190, 9832),

Gene: Paito_12 Start: 9528, Stop: 9965, Start Num: 47

Candidate Starts for Paito_12:

(Start: 28 @9513 has 80 MA's), (Start: 47 @9528 has 9 MA's), (Start: 56 @9543 has 1 MA's), (93, 9615), (127, 9660), (159, 9711), (198, 9768), (250, 9837), (259, 9855),

Gene: PandaPo_12 Start: 9018, Stop: 9434, Start Num: 42

Candidate Starts for PandaPo_12:

(Start: 42 @9018 has 9 MA's), (71, 9066), (177, 9234),

Gene: Paola_15 Start: 10067, Stop: 10489, Start Num: 43

Candidate Starts for Paola_15:

(11, 9983), (Start: 43 @10067 has 214 MA's), (Start: 47 @10073 has 9 MA's), (Start: 51 @10079 has 19 MA's), (103, 10163), (129, 10199), (166, 10256), (171, 10262), (183, 10280), (207, 10319), (214, 10331), (248, 10367), (281, 10424), (290, 10439), (297, 10451),

Gene: Paolo_16 Start: 10047, Stop: 10544, Start Num: 20

Candidate Starts for Paolo_16:

(2, 9681), (Start: 20 @10047 has 111 MA's), (Start: 53 @10107 has 5 MA's), (74, 10146), (189, 10329),

Gene: PartyCup_14 Start: 10446, Stop: 10856, Start Num: 34

Candidate Starts for PartyCup_14:

(Start: 34 @10446 has 76 MA's), (Start: 62 @10488 has 7 MA's), (137, 10590), (263, 10794),

Gene: PastaFagioli_11 Start: 7991, Stop: 8389, Start Num: 49

Candidate Starts for PastaFagioli_11:

(Start: 49 @7991 has 19 MA's), (72, 8030), (214, 8237), (276, 8342),

Gene: Patt_18 Start: 10960, Stop: 11385, Start Num: 24

Candidate Starts for Patt_18:

(Start: 24 @10960 has 23 MA's), (97, 11056), (135, 11107), (183, 11179), (188, 11185), (207, 11218), (214, 11230), (248, 11263), (297, 11347),

Gene: Pavo_15 Start: 9616, Stop: 10119, Start Num: 20

Candidate Starts for Pavo_15:

(Start: 20 @9616 has 111 MA's), (29, 9655), (Start: 57 @9685 has 67 MA's), (142, 9826), (223, 9958), (273, 10042),

Gene: Peanam_17 Start: 9056, Stop: 9478, Start Num: 43

Candidate Starts for Peanam_17:

(Start: 43 @9056 has 214 MA's), (109, 9158), (148, 9218), (166, 9245), (171, 9251), (183, 9269), (188, 9275), (200, 9296), (214, 9320), (227, 9338), (248, 9356), (290, 9428), (297, 9440),

Gene: Pecas_11 Start: 7912, Stop: 8307, Start Num: 48

Candidate Starts for Pecas_11:

(Start: 48 @7912 has 52 MA's), (72, 7951), (93, 7978), (135, 8029), (150, 8056), (237, 8188), (288, 8281),

Gene: Peeb_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Peeb_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Peel_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Peel_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Pelletreau_13 Start: 8491, Stop: 8931, Start Num: 43

Candidate Starts for Pelletreau_13:

(Start: 36 @8479 has 8 MA's), (Start: 43 @8491 has 214 MA's), (92, 8581), (119, 8623), (132, 8641), (134, 8644), (158, 8683), (218, 8776), (236, 8803), (249, 8827), (272, 8863), (296, 8899),

Gene: Percival_11 Start: 9171, Stop: 9593, Start Num: 38

Candidate Starts for Percival_11:

(Start: 38 @9171 has 7 MA's), (100, 9264), (104, 9270), (112, 9285), (173, 9375), (197, 9414), (208, 9432), (274, 9543),

Gene: Periodt_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Periodt_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Periwinkle_12 Start: 7041, Stop: 7433, Start Num: 50

Candidate Starts for Periwinkle_12:

(14, 6912), (19, 6957), (Start: 20 @6963 has 111 MA's), (21, 6969), (Start: 50 @7041 has 32 MA's), (66, 7068), (85, 7107), (89, 7113), (93, 7119), (102, 7131), (125, 7155), (151, 7194), (155, 7200), (162, 7212), (170, 7221), (203, 7272), (210, 7284),

Gene: Phabuloso_12 Start: 7046, Stop: 7438, Start Num: 50

Candidate Starts for Phabuloso_12:

(14, 6917), (19, 6962), (Start: 20 @6968 has 111 MA's), (21, 6974), (25, 6992), (32, 7010), (Start: 50 @7046 has 32 MA's), (66, 7073), (89, 7118), (93, 7124), (102, 7136), (125, 7160), (151, 7199), (155, 7205), (164, 7220), (170, 7226), (203, 7277), (210, 7289), (248, 7343),

Gene: Pharb_16 Start: 9818, Stop: 10252, Start Num: 41

Candidate Starts for Pharb_16:

(Start: 41 @9818 has 5 MA's), (Start: 56 @9842 has 1 MA's), (103, 9917), (148, 9983), (171, 10016), (183, 10034), (188, 10040), (200, 10061), (207, 10073), (209, 10076), (225, 10103), (248, 10136), (285, 10199), (297, 10220),

Gene: PhelpsODU_16 Start: 8965, Stop: 9402, Start Num: 31

Candidate Starts for PhelpsODU_16:

(Start: 31 @8965 has 13 MA's), (105, 9064), (109, 9067), (148, 9127), (183, 9178), (207, 9217), (214, 9229), (227, 9247), (248, 9280), (281, 9337), (290, 9352), (297, 9364),

Gene: Phettuccine_14 Start: 9577, Stop: 10080, Start Num: 20

Candidate Starts for Phettuccine_14:

(Start: 20 @9577 has 111 MA's), (26, 9607), (Start: 57 @9646 has 67 MA's), (93, 9715), (182, 9850), (204, 9886), (207, 9892), (223, 9919), (227, 9925), (257, 9976), (273, 10003),

Gene: PhigPhack_11 Start: 7940, Stop: 8335, Start Num: 48

Candidate Starts for PhigPhack_11:

(Start: 48 @7940 has 52 MA's), (93, 8006), (150, 8084), (214, 8183), (237, 8216), (288, 8309),

Gene: PhirstandPhine_13 Start: 8497, Stop: 8940, Start Num: 43

Candidate Starts for PhirstandPhine_13:

(Start: 43 @8497 has 214 MA's), (92, 8587), (96, 8593), (132, 8647), (134, 8650), (158, 8689), (236, 8809), (249, 8833), (296, 8905), (299, 8911),

Gene: Phisb_11 Start: 7905, Stop: 8300, Start Num: 48

Candidate Starts for Phisb_11:

(Start: 48 @7905 has 52 MA's), (72, 7944), (93, 7971), (150, 8049), (214, 8148), (237, 8181), (288, 8274),

Gene: Phish_12 Start: 9444, Stop: 9857, Start Num: 56

Candidate Starts for Phish_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Phistory_12 Start: 7030, Stop: 7422, Start Num: 50

Candidate Starts for Phistory_12:

(14, 6901), (19, 6946), (Start: 20 @6952 has 111 MA's), (21, 6958), (25, 6976), (32, 6994), (Start: 50 @7030 has 32 MA's), (66, 7057), (89, 7102), (93, 7108), (102, 7120), (125, 7144), (155, 7189), (164, 7204), (170, 7210), (203, 7261), (210, 7273),

Gene: Phives_13 Start: 10124, Stop: 10537, Start Num: 39

Candidate Starts for Phives_13:

(Start: 39 @10124 has 73 MA's), (68, 10169), (180, 10343), (250, 10454), (268, 10487),

Gene: Phloodle_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Phloodle_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: PhluffyCoco_11 Start: 7902, Stop: 8342, Start Num: 43

Candidate Starts for PhluffyCoco_11:

(Start: 43 @7902 has 214 MA's), (72, 7953), (134, 8055), (136, 8058), (158, 8094), (161, 8100), (174, 8115), (218, 8187), (236, 8214), (296, 8313), (299, 8319), (302, 8331),

Gene: PhorbesPhlower_11 Start: 6561, Stop: 6944, Start Num: 65

Candidate Starts for PhorbesPhlower_11:

(Start: 65 @6561 has 11 MA's), (95, 6615), (99, 6621), (107, 6633), (123, 6657), (165, 6717), (247, 6834), (249, 6840), (297, 6930),

Gene: Phrank_16 Start: 8909, Stop: 9346, Start Num: 31

Candidate Starts for Phrank_16:

(Start: 31 @8909 has 13 MA's), (97, 8999), (105, 9008), (109, 9011), (148, 9071), (183, 9122), (207, 9161), (214, 9173), (227, 9191), (248, 9224), (281, 9281), (290, 9296), (297, 9308),

Gene: Phreak_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Phreak_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Piatt_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Piatt_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Pigu_10 Start: 7154, Stop: 7531, Start Num: 60

Candidate Starts for Pigu_10:

(Start: 60 @7154 has 17 MA's), (93, 7211), (108, 7229), (147, 7295), (163, 7316), (168, 7322), (232, 7424), (254, 7460), (272, 7493),

Gene: Pineda_13 Start: 8497, Stop: 8940, Start Num: 43

Candidate Starts for Pineda_13:

(Start: 43 @8497 has 214 MA's), (92, 8587), (96, 8593), (132, 8647), (134, 8650), (158, 8689), (236, 8809), (249, 8833), (296, 8905), (299, 8911),

Gene: PinkFriday_10 Start: 7548, Stop: 7982, Start Num: 34

Candidate Starts for PinkFriday_10:

(Start: 34 @7548 has 76 MA's), (Start: 36 @7554 has 8 MA's), (127, 7686), (137, 7701), (145, 7713), (149, 7722), (150, 7725), (164, 7746), (263, 7905),

Gene: PinkYoshi_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for PinkYoshi_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Pinnie_13 Start: 10091, Stop: 10540, Start Num: 28

Candidate Starts for Pinnie_13:

(Start: 28 @10091 has 80 MA's), (Start: 56 @10121 has 1 MA's), (93, 10193), (97, 10199), (137, 10253), (159, 10289), (198, 10346), (200, 10349), (250, 10415), (281, 10466), (285, 10472), (293, 10487),

Gene: Pisa1_16 Start: 9727, Stop: 10152, Start Num: 43

Candidate Starts for Pisa1_16:

(Start: 43 @9727 has 214 MA's), (109, 9832), (148, 9892), (166, 9919), (171, 9925), (183, 9943), (188, 9949), (214, 9994), (227, 10012), (248, 10030), (281, 10087), (297, 10114),

Gene: Pisa4_16 Start: 9727, Stop: 10152, Start Num: 43

Candidate Starts for Pisa4_16:

(Start: 43 @9727 has 214 MA's), (109, 9832), (148, 9892), (166, 9919), (171, 9925), (183, 9943), (188, 9949), (214, 9994), (227, 10012), (248, 10030), (281, 10087), (297, 10114),

Gene: PitaDog_10 Start: 7505, Stop: 7915, Start Num: 34

Candidate Starts for PitaDog_10:

(Start: 34 @7505 has 76 MA's), (93, 7598), (127, 7637), (137, 7652), (164, 7697), (194, 7739), (206, 7760), (263, 7856),

Gene: Pixelle_12 Start: 9067, Stop: 9480, Start Num: 39

Candidate Starts for Pixelle_12:

(Start: 39 @9067 has 73 MA's), (68, 9112), (250, 9397), (268, 9430),

Gene: Pixie_16 Start: 9737, Stop: 10171, Start Num: 43

Candidate Starts for Pixie_16:

(Start: 43 @9737 has 214 MA's), (148, 9899), (171, 9932), (183, 9950), (188, 9956), (207, 9989), (225, 10019), (248, 10055), (285, 10118), (297, 10139),

Gene: Plagueis_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Plagueis_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Pokerus_16 Start: 9933, Stop: 10358, Start Num: 43

Candidate Starts for Pokerus_16:

(Start: 43 @9933 has 214 MA's), (Start: 47 @9939 has 9 MA's), (148, 10098), (166, 10125), (171, 10131), (183, 10149), (188, 10155), (214, 10200), (227, 10218), (248, 10236), (297, 10320),

Gene: Polka_12 Start: 8336, Stop: 8779, Start Num: 43

Candidate Starts for Polka_12:

(Start: 43 @8336 has 214 MA's), (92, 8426), (96, 8432), (132, 8486), (134, 8489), (158, 8528), (236, 8648), (249, 8672), (296, 8744), (299, 8750),

Gene: Pollux_13 Start: 8269, Stop: 8655, Start Num: 70

Candidate Starts for Pollux_13:

(Start: 70 @8269 has 17 MA's), (101, 8326),

Gene: PondAmelia_12 Start: 8160, Stop: 8555, Start Num: 48

Candidate Starts for PondAmelia_12:

(13, 8034), (Start: 48 @8160 has 52 MA's), (Start: 51 @8163 has 19 MA's), (85, 8223), (93, 8226), (248, 8454), (263, 8487), (276, 8508),

Gene: Pons_12 Start: 7296, Stop: 7706, Start Num: 57

Candidate Starts for Pons_12:

(Start: 57 @7296 has 67 MA's), (82, 7341), (106, 7380), (133, 7419), (141, 7431), (192, 7500), (253, 7605), (297, 7680),

Gene: Posh_13 Start: 8263, Stop: 8655, Start Num: 70

Candidate Starts for Posh_13:

(27, 8182), (Start: 70 @8263 has 17 MA's),

Gene: PotPie_12 Start: 8147, Stop: 8557, Start Num: 57

Candidate Starts for PotPie_12:

(Start: 57 @8147 has 67 MA's), (82, 8192), (106, 8231), (133, 8270), (141, 8282), (192, 8351), (253, 8456), (297, 8531),

Gene: Potatoes_14 Start: 10423, Stop: 10836, Start Num: 34

Candidate Starts for Potatoes_14:

(Start: 34 @10423 has 76 MA's), (127, 10558), (137, 10573), (164, 10618), (194, 10660), (263, 10777),

Gene: Powerpuff_12 Start: 9090, Stop: 9503, Start Num: 39

Candidate Starts for Powerpuff_12:

(Start: 39 @9090 has 73 MA's), (79, 9159), (180, 9309), (250, 9420), (268, 9453),

Gene: PrairieDogTown_12 Start: 8746, Stop: 9135, Start Num: 60

Candidate Starts for PrairieDogTown_12:

(Start: 60 @8746 has 17 MA's), (147, 8893), (193, 8959), (200, 8971),

Gene: Preamble_10 Start: 7515, Stop: 7925, Start Num: 34

Candidate Starts for Preamble_10:

(Start: 34 @7515 has 76 MA's), (127, 7647), (137, 7662), (167, 7710), (263, 7866),

Gene: Primanti_12 Start: 9429, Stop: 9857, Start Num: 47

Candidate Starts for Primanti_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Prithvi_17 Start: 9943, Stop: 10368, Start Num: 43

Candidate Starts for Prithvi_17:

(Start: 43 @9943 has 214 MA's), (93, 10027), (109, 10048), (148, 10108), (166, 10135), (171, 10141), (183, 10159), (188, 10165), (214, 10210), (227, 10228), (248, 10246), (297, 10330),

Gene: Provolone_15 Start: 9346, Stop: 9849, Start Num: 20

Candidate Starts for Provolone_15:

(Start: 20 @9346 has 111 MA's), (29, 9385), (Start: 57 @9415 has 67 MA's), (142, 9556), (223, 9688), (273, 9772),

Gene: Psycho_15 Start: 10034, Stop: 10456, Start Num: 43

Candidate Starts for Psycho_15:

(11, 9950), (Start: 43 @10034 has 214 MA's), (Start: 47 @10040 has 9 MA's), (Start: 51 @10046 has 19 MA's), (129, 10166), (166, 10223), (171, 10229), (183, 10247), (207, 10286), (214, 10298), (248, 10334), (281, 10391), (297, 10418),

Gene: PsychoKiller_12 Start: 7522, Stop: 7932, Start Num: 57

Candidate Starts for PsychoKiller_12:

(Start: 57 @7522 has 67 MA's), (77, 7564), (82, 7570), (106, 7609), (135, 7651), (173, 7705), (213, 7765),

Gene: Pterodactyl_10 Start: 7506, Stop: 7916, Start Num: 34

Candidate Starts for Pterodactyl_10:

(Start: 34 @7506 has 76 MA's), (93, 7599), (127, 7638), (137, 7653), (164, 7698), (194, 7740), (206, 7761), (263, 7857),

Gene: Puginator_16 Start: 10005, Stop: 10502, Start Num: 20

Candidate Starts for Puginator_16:

(Start: 20 @10005 has 111 MA's), (Start: 53 @10065 has 5 MA's), (74, 10104), (189, 10287), (265, 10419), (273, 10431),

Gene: Pumancara_10 Start: 7547, Stop: 7981, Start Num: 34

Candidate Starts for Pumancara_10:

(Start: 34 @7547 has 76 MA's), (Start: 36 @7553 has 8 MA's), (127, 7685), (137, 7700), (145, 7712), (149, 7721), (150, 7724), (164, 7745), (263, 7904),

Gene: Pumpkins_12 Start: 9144, Stop: 9557, Start Num: 39

Candidate Starts for Pumpkins_12:

(Start: 39 @9144 has 73 MA's), (79, 9213), (250, 9474), (268, 9507),

Gene: Pytheas_13 Start: 8116, Stop: 8502, Start Num: 70

Candidate Starts for Pytheas_13:

(27, 8035), (Start: 70 @8116 has 17 MA's), (89, 8152), (101, 8173),

Gene: QMacho_12 Start: 8395, Stop: 8790, Start Num: 48

Candidate Starts for QMacho_12:

(Start: 48 @8395 has 52 MA's), (72, 8434), (93, 8461), (135, 8512), (150, 8539), (214, 8638), (237, 8671), (288, 8764),

Gene: Qhanda_18 Start: 11230, Stop: 11655, Start Num: 24

Candidate Starts for Qhanda_18:

(Start: 24 @11230 has 23 MA's), (97, 11326), (135, 11377), (183, 11449), (188, 11455), (207, 11488), (214, 11500), (248, 11533), (297, 11617),

Gene: Quasar_12 Start: 8131, Stop: 8541, Start Num: 57

Candidate Starts for Quasar_12:

(Start: 57 @8131 has 67 MA's), (77, 8173), (82, 8179), (106, 8218), (135, 8260), (173, 8314), (213, 8374),

Gene: Quenya_12 Start: 8046, Stop: 8447, Start Num: 49

Candidate Starts for Quenya_12:

(Start: 49 @8046 has 19 MA's), (150, 8196), (235, 8325), (237, 8328), (248, 8346), (263, 8379),

Gene: QuincyRose_16 Start: 9996, Stop: 10421, Start Num: 43

Candidate Starts for QuincyRose_16:

(Start: 43 @9996 has 214 MA's), (109, 10101), (148, 10161), (166, 10188), (171, 10194), (183, 10212), (188, 10218), (214, 10263), (227, 10281), (248, 10299), (281, 10356), (297, 10383),

Gene: R4_14 Start: 9527, Stop: 10024, Start Num: 20

Candidate Starts for R4_14:

(Start: 20 @9527 has 111 MA's), (Start: 53 @9587 has 5 MA's), (Start: 57 @9596 has 67 MA's), (93, 9665), (140, 9734), (190, 9812),

Gene: RADical_13 Start: 7523, Stop: 7933, Start Num: 57

Candidate Starts for RADical_13:

(Start: 57 @7523 has 67 MA's), (77, 7565), (82, 7571), (106, 7610), (135, 7652), (173, 7706), (213, 7766),

Gene: RAP15_14 Start: 10429, Stop: 10842, Start Num: 34

Candidate Starts for RAP15_14:

(Start: 34 @10429 has 76 MA's), (127, 10564), (137, 10579), (164, 10624), (194, 10666), (263, 10783),

Gene: RSchmailzl_13 Start: 7663, Stop: 8073, Start Num: 57

Candidate Starts for RSchmailzl_13:

(Start: 57 @7663 has 67 MA's), (77, 7705), (82, 7711), (106, 7750), (135, 7792), (173, 7846), (213, 7906),

Gene: Rabbs_12 Start: 9397, Stop: 9840, Start Num: 28

Candidate Starts for Rabbs_12:

(Start: 28 @9397 has 80 MA's), (Start: 47 @9412 has 9 MA's), (Start: 56 @9427 has 1 MA's), (74, 9460), (127, 9535), (131, 9541), (250, 9712),

Gene: Ramen_17 Start: 9979, Stop: 10404, Start Num: 43

Candidate Starts for Ramen_17:

(Start: 43 @9979 has 214 MA's), (148, 10144), (166, 10171), (171, 10177), (183, 10195), (188, 10201), (214, 10246), (227, 10264), (248, 10282), (297, 10366),

Gene: Rana_14 Start: 9534, Stop: 10037, Start Num: 20

Candidate Starts for Rana_14:

(Start: 20 @9534 has 111 MA's), (140, 9741), (207, 9849), (223, 9876), (227, 9882), (257, 9933), (273, 9960),

Gene: RanchParmCat_15 Start: 8228, Stop: 8632, Start Num: 57

Candidate Starts for RanchParmCat_15:

(Start: 57 @8228 has 67 MA's), (69, 8249), (71, 8252), (77, 8270), (106, 8318), (116, 8330), (120, 8339), (179, 8417), (206, 8462), (258, 8549), (300, 8627),

Gene: Rando14_15 Start: 9035, Stop: 9457, Start Num: 43

Candidate Starts for Rando14_15:

(11, 8951), (Start: 43 @9035 has 214 MA's), (Start: 47 @9041 has 9 MA's), (Start: 51 @9047 has 19 MA's), (129, 9167), (171, 9230), (183, 9248), (200, 9275), (205, 9284), (207, 9287), (214, 9299), (223, 9311), (248, 9335), (281, 9392), (285, 9398), (290, 9407), (297, 9419),

Gene: Rapunzel97_17 Start: 9980, Stop: 10405, Start Num: 43

Candidate Starts for Rapunzel97_17:

(Start: 43 @9980 has 214 MA's), (148, 10145), (166, 10172), (171, 10178), (183, 10196), (188, 10202), (214, 10247), (227, 10265), (248, 10283), (297, 10367),

Gene: Rattail_11 Start: 7953, Stop: 8393, Start Num: 43

Candidate Starts for Rattail_11:

(Start: 43 @7953 has 214 MA's), (134, 8106), (136, 8109), (158, 8145), (161, 8151), (174, 8166), (218, 8238), (236, 8265), (296, 8364), (299, 8370), (302, 8382),

Gene: Rattrick_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Rattrick_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Raya_11 Start: 6626, Stop: 6949, Start Num: 93

Candidate Starts for Raya_11:

(19, 6467), (Start: 50 @6551 has 32 MA's), (76, 6602), (85, 6614), (93, 6626), (102, 6638), (127, 6665), (150, 6704), (162, 6722), (219, 6809), (243, 6839), (252, 6860),

Gene: RcigaStruga_14 Start: 10433, Stop: 10843, Start Num: 34

Candidate Starts for RcigaStruga_14:

(Start: 34 @10433 has 76 MA's), (137, 10577), (143, 10586), (145, 10589), (162, 10619), (167, 10625), (191, 10658), (263, 10781), (278, 10805),

Gene: RedBaron_14 Start: 7567, Stop: 7977, Start Num: 57

Candidate Starts for RedBaron_14:

(Start: 57 @7567 has 67 MA's), (77, 7609), (82, 7615), (106, 7654), (135, 7696), (173, 7750), (213, 7810),

Gene: RedBear_16 Start: 9816, Stop: 10319, Start Num: 20

Candidate Starts for RedBear_16:

(Start: 20 @9816 has 111 MA's), (29, 9855), (182, 10089), (207, 10131), (223, 10158), (227, 10164), (257, 10215), (273, 10242),

Gene: RedFox_11 Start: 7902, Stop: 8342, Start Num: 43

Candidate Starts for RedFox_11:

(Start: 43 @7902 has 214 MA's), (72, 7953), (134, 8055), (136, 8058), (158, 8094), (161, 8100), (174, 8115), (218, 8187), (236, 8214), (296, 8313), (299, 8319), (302, 8331),

Gene: Reedo_12 Start: 9091, Stop: 9489, Start Num: 44

Candidate Starts for Reedo_12:

(Start: 44 @9091 has 2 MA's), (173, 9286), (177, 9292), (213, 9352), (268, 9442),

Gene: Remy19_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Remy19_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Renaissance_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Renaissance_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Renna12_12 Start: 8102, Stop: 8545, Start Num: 43

Candidate Starts for Renna12_12:

(Start: 43 @8102 has 214 MA's), (134, 8255), (136, 8258), (158, 8294), (161, 8300), (218, 8387), (236, 8414), (249, 8438), (299, 8519), (302, 8531),

Gene: Reptar3000_18 Start: 10962, Stop: 11387, Start Num: 24

Candidate Starts for Reptar3000_18:

(Start: 24 @10962 has 23 MA's), (97, 11058), (135, 11109), (183, 11181), (188, 11187), (207, 11220), (214, 11232), (248, 11265), (297, 11349),

Gene: Richarlison_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Richarlison_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Richo_17 Start: 9056, Stop: 9478, Start Num: 43

Candidate Starts for Richo_17:

(Start: 43 @9056 has 214 MA's), (109, 9158), (148, 9218), (166, 9245), (171, 9251), (183, 9269), (188, 9275), (200, 9296), (214, 9320), (227, 9338), (248, 9356), (290, 9428), (297, 9440),

Gene: Riovina_10 Start: 7551, Stop: 7982, Start Num: 36

Candidate Starts for Riovina_10:

(Start: 34 @7545 has 76 MA's), (Start: 36 @7551 has 8 MA's), (Start: 49 @7572 has 19 MA's), (88, 7644), (137, 7701), (145, 7713), (149, 7722), (164, 7746), (263, 7905),

Gene: Riverdale_14 Start: 10360, Stop: 10773, Start Num: 34

Candidate Starts for Riverdale_14:

(Start: 34 @10360 has 76 MA's), (127, 10495), (137, 10510), (164, 10555), (194, 10597), (263, 10714),

Gene: Roberts_13 Start: 7727, Stop: 8119, Start Num: 50

Candidate Starts for Roberts_13:

(Start: 50 @7727 has 32 MA's), (108, 7826), (110, 7829), (149, 7880), (150, 7883), (208, 7970), (210, 7973), (283, 8087), (298, 8111),

Gene: RockScotty_12 Start: 8547, Stop: 8966, Start Num: 39

Candidate Starts for RockScotty_12:

(Start: 39 @8547 has 73 MA's), (66, 8589), (244, 8871),

Gene: Rollins_10 Start: 7752, Stop: 8141, Start Num: 51

Candidate Starts for Rollins_10:

(Start: 51 @7752 has 19 MA's), (150, 7893), (162, 7911), (258, 8064), (263, 8073), (278, 8097), (295, 8127),

Gene: Rona_11 Start: 8141, Stop: 8542, Start Num: 49

Candidate Starts for Rona_11:

(Start: 49 @8141 has 19 MA's), (150, 8291), (223, 8405), (263, 8474),

Gene: Ronaldo_47 Start: 17508, Stop: 17888, Start Num: 51

Candidate Starts for Ronaldo_47:

(Start: 51 @17508 has 19 MA's), (72, 17547), (Start: 83 @17571 has 1 MA's), (131, 17628), (168, 17685), (198, 17733), (231, 17787),

Gene: Rooter_10 Start: 7146, Stop: 7523, Start Num: 60

Candidate Starts for Rooter_10:

(Start: 60 @7146 has 17 MA's), (131, 7260), (147, 7287), (163, 7308), (228, 7410), (232, 7416), (254, 7452), (272, 7485),

Gene: Rosmarinus_17 Start: 10007, Stop: 10432, Start Num: 43

Candidate Starts for Rosmarinus_17:

(Start: 43 @10007 has 214 MA's), (109, 10112), (148, 10172), (166, 10199), (171, 10205), (183, 10223), (188, 10229), (214, 10274), (227, 10292), (248, 10310), (297, 10394),

Gene: Rowa_11 Start: 7599, Stop: 8018, Start Num: 35

Candidate Starts for Rowa_11:

(Start: 35 @7599 has 1 MA's), (Start: 36 @7602 has 8 MA's), (Start: 49 @7620 has 19 MA's), (71, 7659), (110, 7710), (208, 7863), (212, 7872), (241, 7917), (248, 7929), (289, 8004),

Gene: Rozby_14 Start: 10360, Stop: 10773, Start Num: 34

Candidate Starts for Rozby_14:

(Start: 34 @10360 has 76 MA's), (127, 10495), (137, 10510), (164, 10555), (194, 10597), (263, 10714),

Gene: Ruchi_12 Start: 8591, Stop: 9034, Start Num: 43

Candidate Starts for Ruchi_12:

(Start: 43 @8591 has 214 MA's), (68, 8633), (75, 8651), (96, 8687), (132, 8741), (134, 8744), (158, 8783), (195, 8837), (218, 8876), (236, 8903), (249, 8927), (251, 8933),

Gene: Ruriko_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Ruriko_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Rusticus_15 Start: 9740, Stop: 10243, Start Num: 20

Candidate Starts for Rusticus_15:

(Start: 20 @9740 has 111 MA's), (26, 9770), (Start: 57 @9809 has 67 MA's), (93, 9878), (182, 10013), (204, 10049), (207, 10055), (223, 10082), (227, 10088), (257, 10139), (273, 10166),

Gene: Ruthiejr_17 Start: 10816, Stop: 11241, Start Num: 24

Candidate Starts for Ruthiejr_17:

(Start: 24 @10816 has 23 MA's), (76, 10885), (183, 11035), (188, 11041), (207, 11074), (214, 11086), (248, 11119), (297, 11203),

Gene: SPB78_12 Start: 8026, Stop: 8427, Start Num: 51

Candidate Starts for SPB78_12:

(Start: 49 @8023 has 19 MA's), (Start: 51 @8026 has 19 MA's), (93, 8104), (97, 8110), (110, 8128), (127, 8155), (201, 8269),

Gene: Sabourin_12 Start: 8456, Stop: 8875, Start Num: 39

Candidate Starts for Sabourin_12:

(Start: 39 @8456 has 73 MA's), (66, 8498), (244, 8780),

Gene: Saftant_14 Start: 9638, Stop: 10141, Start Num: 20

Candidate Starts for Saftant_14:

(8, 9557), (Start: 20 @9638 has 111 MA's), (26, 9668), (74, 9737), (182, 9911), (186, 9917), (207, 9953), (223, 9980), (273, 10064),

Gene: Salvus_15 Start: 9275, Stop: 9649, Start Num: 76

Candidate Starts for Salvus_15:

(Start: 43 @9212 has 214 MA's), (Start: 45 @9215 has 21 MA's), (72, 9263), (76, 9275), (90, 9296), (95, 9302), (146, 9374), (156, 9389), (200, 9455), (207, 9467), (220, 9485), (251, 9530), (288, 9593),

Gene: SamScheppers_16 Start: 10737, Stop: 11162, Start Num: 24

Candidate Starts for SamScheppers_16:

(Start: 24 @10737 has 23 MA's), (97, 10833), (135, 10884), (183, 10956), (188, 10962), (207, 10995), (214, 11007), (248, 11040), (297, 11124),

Gene: SamuelLPlaqson_17 Start: 9921, Stop: 10346, Start Num: 43

Candidate Starts for SamuelLPlaqson_17:

(Start: 43 @9921 has 214 MA's), (148, 10086), (166, 10113), (171, 10119), (183, 10137), (188, 10143), (214, 10188), (225, 10203), (227, 10206), (248, 10224), (297, 10308),

Gene: Samy_16 Start: 9509, Stop: 9874, Start Num: 64

Candidate Starts for Samy_16:

(Start: 64 @9509 has 1 MA's), (163, 9665), (208, 9734), (221, 9755), (282, 9854),

Gene: SanaSana_12 Start: 8160, Stop: 8555, Start Num: 48

Candidate Starts for SanaSana_12:

(13, 8034), (Start: 48 @8160 has 52 MA's), (Start: 51 @8163 has 19 MA's), (85, 8223), (248, 8454), (263, 8487), (276, 8508),

Gene: SansAfet_11 Start: 7922, Stop: 8317, Start Num: 48

Candidate Starts for SansAfet_11:

(13, 7796), (Start: 48 @7922 has 52 MA's), (72, 7961), (93, 7988), (150, 8066), (214, 8165), (237, 8198), (288, 8291),

Gene: SarBear_11 Start: 7888, Stop: 8283, Start Num: 48

Candidate Starts for SarBear_11:

(13, 7762), (Start: 48 @7888 has 52 MA's), (72, 7927), (93, 7954), (150, 8032), (237, 8164), (288, 8257),

Gene: SarahRose_14 Start: 9540, Stop: 10043, Start Num: 20

Candidate Starts for SarahRose_14:

(Start: 20 @9540 has 111 MA's), (140, 9747), (207, 9855), (223, 9882), (227, 9888), (257, 9939), (273, 9966),

Gene: Sarge_11 Start: 7513, Stop: 7890, Start Num: 60

Candidate Starts for Sarge_11:

(Start: 60 @7513 has 17 MA's), (131, 7627), (147, 7654), (163, 7675), (228, 7777), (232, 7783), (254, 7819), (272, 7852),

Gene: Savage2526_14 Start: 10423, Stop: 10836, Start Num: 34

Candidate Starts for Savage2526_14:

(Start: 34 @10423 has 76 MA's), (127, 10558), (137, 10573), (164, 10618), (194, 10660), (263, 10777),

Gene: Scarlett_16 Start: 8929, Stop: 9348, Start Num: 43

Candidate Starts for Scarlett_16:

(Start: 43 @8929 has 214 MA's), (Start: 51 @8941 has 19 MA's), (109, 9031), (120, 9049), (148, 9091), (166, 9118), (171, 9124), (183, 9142), (214, 9193), (227, 9211), (248, 9229), (281, 9286), (290, 9301), (297, 9313),

Gene: Schaffner_12 Start: 9132, Stop: 9545, Start Num: 39

Candidate Starts for Schaffner_12:

(Start: 39 @9132 has 73 MA's), (79, 9201), (250, 9462), (268, 9495),

Gene: Schiebel_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Schiebel_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Scotia_13 Start: 9699, Stop: 10088, Start Num: 60

Candidate Starts for Scotia_13:

(Start: 60 @9699 has 17 MA's), (79, 9732), (163, 9867), (177, 9885), (246, 9996), (254, 10011),

Gene: Scuttle_14 Start: 10429, Stop: 10842, Start Num: 34

Candidate Starts for Scuttle_14:

(Start: 34 @10429 has 76 MA's), (127, 10564), (137, 10579), (164, 10624), (194, 10666), (263, 10783),

Gene: Sergei_10 Start: 7547, Stop: 7984, Start Num: 34

Candidate Starts for Sergei_10:

(Start: 34 @7547 has 76 MA's), (Start: 36 @7553 has 8 MA's), (59, 7592), (61, 7595), (127, 7688), (137, 7703), (145, 7715), (149, 7724), (150, 7727), (164, 7748), (263, 7907),

Gene: SgtBeansprout_13 Start: 9263, Stop: 9688, Start Num: 43

Candidate Starts for SgtBeansprout_13:

(3, 9059), (Start: 43 @9263 has 214 MA's), (Start: 47 @9269 has 9 MA's), (Start: 56 @9284 has 1 MA's), (76, 9326), (97, 9353), (148, 9425), (166, 9452), (171, 9458), (183, 9476), (188, 9482), (227, 9545), (248, 9563), (281, 9620), (297, 9647),

Gene: ShaboiShabazz_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for ShaboiShabazz_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Shadow1_15 Start: 8820, Stop: 9242, Start Num: 31

Candidate Starts for Shadow1_15:

(Start: 31 @8820 has 13 MA's), (97, 8910), (148, 8982), (207, 9072), (214, 9084), (227, 9102), (248, 9120), (281, 9177), (290, 9192), (297, 9204),

Gene: ShakeltOph_11 Start: 7286, Stop: 7681, Start Num: 39

Candidate Starts for ShakeltOph_11:

(Start: 39 @7286 has 73 MA's), (173, 7478),

Gene: Shambre1_12 Start: 8782, Stop: 9204, Start Num: 52

Candidate Starts for Shambre1_12:

(Start: 52 @8782 has 1 MA's), (75, 8827), (80, 8836), (256, 9097), (294, 9163), (301, 9181),

Gene: Shaobing_17 Start: 9056, Stop: 9478, Start Num: 43

Candidate Starts for Shaobing_17:

(Start: 43 @9056 has 214 MA's), (109, 9158), (148, 9218), (166, 9245), (171, 9251), (183, 9269), (188, 9275), (200, 9296), (214, 9320), (227, 9338), (248, 9356), (290, 9428), (297, 9440),

Gene: Sharkboy_11 Start: 8140, Stop: 8541, Start Num: 49

Candidate Starts for Sharkboy_11:

(Start: 49 @8140 has 19 MA's), (150, 8290), (223, 8404), (263, 8473),

Gene: ShawBrad_12 Start: 7046, Stop: 7456, Start Num: 50

Candidate Starts for ShawBrad_12:

(14, 6917), (19, 6962), (Start: 20 @6968 has 111 MA's), (21, 6974), (25, 6992), (Start: 50 @7046 has 32 MA's), (66, 7073), (89, 7118), (93, 7124), (125, 7178), (151, 7217), (155, 7223), (170, 7244), (203, 7295), (210, 7307),

Gene: Shayna_10 Start: 7746, Stop: 8147, Start Num: 45

Candidate Starts for Shayna_10:

(Start: 45 @7746 has 21 MA's), (137, 7875), (162, 7917), (194, 7962), (242, 8037), (263, 8079), (278, 8103),

Gene: SheckWes_11 Start: 7284, Stop: 7694, Start Num: 57

Candidate Starts for SheckWes_11:

(Start: 57 @7284 has 67 MA's), (82, 7329), (106, 7368), (133, 7407), (141, 7419), (192, 7488), (253, 7593), (297, 7668),

Gene: ShedlockHolmes_16 Start: 9985, Stop: 10419, Start Num: 43

Candidate Starts for ShedlockHolmes_16:

(Start: 43 @9985 has 214 MA's), (Start: 56 @10006 has 1 MA's), (148, 10147), (171, 10180), (183, 10198), (188, 10204), (207, 10237), (225, 10267), (248, 10303), (281, 10360), (285, 10366), (297, 10387),

Gene: Shen_13 Start: 8492, Stop: 8932, Start Num: 43

Candidate Starts for Shen_13:

(Start: 36 @8480 has 8 MA's), (Start: 43 @8492 has 214 MA's), (92, 8582), (119, 8624), (132, 8642), (134, 8645), (158, 8684), (218, 8777), (236, 8804), (249, 8828), (272, 8864), (296, 8900),

Gene: ShiaSurprise_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for ShiaSurprise_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Shoya_10 Start: 7149, Stop: 7526, Start Num: 60

Candidate Starts for Shoya_10:

(Start: 60 @7149 has 17 MA's), (131, 7263), (147, 7290), (163, 7311), (232, 7419), (254, 7455), (272, 7488),

Gene: SilverChicken_13 Start: 7213, Stop: 7617, Start Num: 62

Candidate Starts for SilverChicken_13:

(Start: 62 @7213 has 7 MA's), (77, 7246), (116, 7306), (157, 7372), (232, 7492), (240, 7504), (260, 7540), (279, 7570),

Gene: Simpson_13 Start: 9040, Stop: 9453, Start Num: 39

Candidate Starts for Simpson_13:

(Start: 39 @9040 has 73 MA's), (79, 9109), (180, 9259), (250, 9370), (268, 9403),

Gene: SirBeanington_11 Start: 7914, Stop: 8309, Start Num: 48

Candidate Starts for SirBeanington_11:

(13, 7788), (Start: 48 @7914 has 52 MA's), (72, 7953), (93, 7980), (150, 8058), (214, 8157), (237, 8190), (288, 8283),

Gene: SirPhilip_16 Start: 8686, Stop: 9105, Start Num: 43

Candidate Starts for SirPhilip_16:

(Start: 43 @8686 has 214 MA's), (Start: 47 @8692 has 9 MA's), (109, 8788), (148, 8848), (166, 8875), (171, 8881), (183, 8899), (207, 8938), (227, 8968), (248, 8986), (281, 9043), (290, 9058), (297, 9070),

Gene: Sizemore_12 Start: 9415, Stop: 9858, Start Num: 28

Candidate Starts for Sizemore_12:

(4, 9223), (Start: 28 @9415 has 80 MA's), (Start: 47 @9430 has 9 MA's), (Start: 56 @9445 has 1 MA's), (74, 9478), (93, 9508), (127, 9553), (131, 9559), (250, 9730),

Gene: Skelbel_12 Start: 9019, Stop: 9429, Start Num: 39

Candidate Starts for Skelbel_12:

(Start: 39 @9019 has 73 MA's), (79, 9088), (173, 9226), (180, 9238), (250, 9349), (268, 9382),

Gene: SketchMex_11 Start: 7506, Stop: 7916, Start Num: 57

Candidate Starts for SketchMex_11:

(Start: 57 @7506 has 67 MA's), (77, 7548), (82, 7554), (106, 7593), (135, 7635), (173, 7689), (206, 7737), (213, 7749),

Gene: Skyerus_11 Start: 6551, Stop: 6949, Start Num: 50

Candidate Starts for Skyerus_11:

(19, 6467), (Start: 50 @6551 has 32 MA's), (76, 6602), (85, 6614), (93, 6626), (102, 6638), (127, 6665), (150, 6704), (162, 6722), (219, 6809), (243, 6839), (252, 6860),

Gene: Skylord_10 Start: 7692, Stop: 8081, Start Num: 51

Candidate Starts for Skylord_10:

(Start: 51 @7692 has 19 MA's), (150, 7833), (162, 7851), (258, 8004), (263, 8013), (278, 8037), (295, 8067),

Gene: Slarp_18 Start: 11221, Stop: 11646, Start Num: 24

Candidate Starts for Slarp_18:

(Start: 24 @11221 has 23 MA's), (97, 11317), (135, 11368), (183, 11440), (188, 11446), (207, 11479), (214, 11491), (248, 11524), (297, 11608),

Gene: Slay_11 Start: 8364, Stop: 8759, Start Num: 48

Candidate Starts for Slay_11:

(13, 8238), (Start: 48 @8364 has 52 MA's), (72, 8403), (93, 8430), (150, 8508), (237, 8640), (288, 8733),

Gene: Sleepyhead_12 Start: 7869, Stop: 8279, Start Num: 83

Candidate Starts for Sleepyhead_12:

(Start: 64 @7833 has 1 MA's), (Start: 83 @7869 has 1 MA's), (138, 7962), (162, 8004), (198, 8061), (204, 8070), (211, 8082), (236, 8124),

Gene: Slimphazie_17 Start: 9980, Stop: 10405, Start Num: 43

Candidate Starts for Slimphazie_17:

(Start: 43 @9980 has 214 MA's), (148, 10145), (166, 10172), (171, 10178), (183, 10196), (188, 10202), (214, 10247), (227, 10265), (248, 10283), (297, 10367),

Gene: Sneeze_12 Start: 9396, Stop: 9839, Start Num: 28

Candidate Starts for Sneeze_12:

(Start: 28 @9396 has 80 MA's), (Start: 47 @9411 has 9 MA's), (Start: 56 @9426 has 1 MA's), (74, 9459), (127, 9534), (131, 9540), (250, 9711),

Gene: Snek_12 Start: 8127, Stop: 8540, Start Num: 42

Candidate Starts for Snek_12:

(Start: 42 @8127 has 9 MA's), (133, 8280), (286, 8523),

Gene: Snorlax_14 Start: 9540, Stop: 10043, Start Num: 20

Candidate Starts for Snorlax_14:

(8, 9459), (Start: 20 @9540 has 111 MA's), (140, 9747), (207, 9855), (223, 9882), (227, 9888), (257, 9939), (273, 9966),

Gene: SoSeph_15 Start: 10194, Stop: 10616, Start Num: 43

Candidate Starts for SoSeph_15:

(11, 10110), (Start: 43 @10194 has 214 MA's), (Start: 47 @10200 has 9 MA's), (Start: 51 @10206 has 19 MA's), (81, 10263), (103, 10290), (129, 10326), (131, 10329), (171, 10389), (183, 10407), (207, 10446), (214, 10458), (248, 10494), (281, 10551), (290, 10566), (297, 10578),

Gene: Socotra_13 Start: 7522, Stop: 7932, Start Num: 57

Candidate Starts for Socotra_13:

(Start: 57 @7522 has 67 MA's), (77, 7564), (82, 7570), (106, 7609), (135, 7651), (173, 7705), (213, 7765),

Gene: Softsoap_11 Start: 7911, Stop: 8306, Start Num: 48

Candidate Starts for Softsoap_11:

(13, 7785), (Start: 48 @7911 has 52 MA's), (72, 7950), (93, 7977), (150, 8055), (214, 8154), (237, 8187), (288, 8280),

Gene: Solea_12 Start: 8297, Stop: 8692, Start Num: 48

Candidate Starts for Solea_12:

(13, 8171), (Start: 48 @8297 has 52 MA's), (72, 8336), (93, 8363), (150, 8441), (214, 8540), (237, 8573), (288, 8666),

Gene: Soondubu_11 Start: 8928, Stop: 9338, Start Num: 41

Candidate Starts for Soondubu_11:

(Start: 41 @8928 has 5 MA's), (104, 9030), (268, 9291),

Gene: Sooty_12 Start: 8457, Stop: 8876, Start Num: 39

Candidate Starts for Sooty_12:

(Start: 39 @8457 has 73 MA's), (66, 8499), (244, 8781),

Gene: Sopespian_12 Start: 7522, Stop: 7932, Start Num: 57

Candidate Starts for Sopespian_12:

(Start: 57 @7522 has 67 MA's), (77, 7564), (82, 7570), (106, 7609), (135, 7651), (173, 7705), (213, 7765),

Gene: Soul22_13 Start: 7212, Stop: 7616, Start Num: 62

Candidate Starts for Soul22_13:

(Start: 62 @7212 has 7 MA's), (77, 7245), (116, 7305), (157, 7371), (232, 7491), (240, 7503), (260, 7539), (279, 7569),

Gene: South40_15 Start: 9816, Stop: 10319, Start Num: 20

Candidate Starts for South40_15:

(Start: 20 @9816 has 111 MA's), (29, 9855), (182, 10089), (207, 10131), (223, 10158), (227, 10164), (257, 10215), (273, 10242),

Gene: Spartoi_10 Start: 6599, Stop: 7030, Start Num: 51

Candidate Starts for Spartoi_10:

(Start: 51 @6599 has 19 MA's), (71, 6635), (87, 6668), (93, 6674), (104, 6689), (168, 6785),

Gene: SpecialK_12 Start: 8454, Stop: 8873, Start Num: 39

Candidate Starts for SpecialK_12:

(Start: 39 @8454 has 73 MA's), (66, 8496), (244, 8778),

Gene: Speedwell_19 Start: 11362, Stop: 11865, Start Num: 20

Candidate Starts for Speedwell_19:

(Start: 20 @11362 has 111 MA's), (74, 11461), (182, 11635), (207, 11677), (223, 11704), (273, 11788),

Gene: Spock_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Spock_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Spooky_12 Start: 7039, Stop: 7449, Start Num: 50

Candidate Starts for Spooky_12:

(19, 6955), (Start: 20 @6961 has 111 MA's), (21, 6967), (Start: 50 @7039 has 32 MA's), (89, 7111), (93, 7117), (102, 7129), (125, 7171), (151, 7210), (155, 7216), (170, 7237), (196, 7276), (210, 7300), (248, 7354),

Gene: SqueakyClean_15 Start: 9670, Stop: 10167, Start Num: 20

Candidate Starts for SqueakyClean_15:

(Start: 20 @9670 has 111 MA's), (74, 9769), (93, 9808), (144, 9883), (205, 9982),

Gene: Squiddly_13 Start: 7726, Stop: 8118, Start Num: 50

Candidate Starts for Squiddly_13:

(14, 7597), (19, 7642), (Start: 20 @7648 has 111 MA's), (21, 7654), (25, 7672), (32, 7690), (Start: 50 @7726 has 32 MA's), (66, 7753), (89, 7798), (93, 7804), (102, 7816), (125, 7840), (155, 7885), (164, 7900), (170, 7906), (203, 7957), (210, 7969),

Gene: Squirrel_11 Start: 8143, Stop: 8535, Start Num: 45

Candidate Starts for Squirrel_11:

(Start: 45 @8143 has 21 MA's), (59, 8158), (93, 8209), (133, 8257), (143, 8272), (187, 8338), (224, 8401), (233, 8410), (248, 8434), (278, 8491),

Gene: Starburst_13 Start: 7522, Stop: 7932, Start Num: 57

Candidate Starts for Starburst_13:

(Start: 57 @7522 has 67 MA's), (77, 7564), (82, 7570), (106, 7609), (135, 7651), (173, 7705), (213, 7765),

Gene: Stargaze_12 Start: 9700, Stop: 10152, Start Num: 28

Candidate Starts for Stargaze_12:

(Start: 28 @9700 has 80 MA's), (Start: 56 @9730 has 1 MA's), (159, 9898), (171, 9913), (198, 9955), (250, 10024), (293, 10099),

Gene: SteamedHams_14 Start: 7535, Stop: 7945, Start Num: 57

Candidate Starts for SteamedHams_14:

(Start: 57 @7535 has 67 MA's), (75, 7571), (77, 7577), (82, 7583), (106, 7622), (135, 7664), (173, 7718), (213, 7778),

Gene: Stellammi_9 Start: 6533, Stop: 6904, Start Num: 53

Candidate Starts for Stellammi_9:

(Start: 53 @6533 has 5 MA's), (76, 6581), (90, 6599), (96, 6611), (128, 6659), (142, 6680), (144, 6683), (186, 6743), (200, 6767), (223, 6809), (262, 6872), (266, 6878),

Gene: Stinson_17 Start: 9942, Stop: 10367, Start Num: 43

Candidate Starts for Stinson_17:

(Start: 43 @9942 has 214 MA's), (109, 10047), (148, 10107), (166, 10134), (171, 10140), (183, 10158), (188, 10164), (214, 10209), (223, 10221), (227, 10227), (248, 10245), (297, 10329),

Gene: Stoor_11 Start: 8157, Stop: 8552, Start Num: 48

Candidate Starts for Stoor_11:

(13, 8031), (Start: 48 @8157 has 52 MA's), (Start: 51 @8160 has 19 MA's), (85, 8220), (248, 8451), (263, 8484), (276, 8505),

Gene: Strobilo_13 Start: 7962, Stop: 8381, Start Num: 45

Candidate Starts for Strobilo_13:

(11, 7878), (Start: 45 @7962 has 21 MA's), (Start: 51 @7971 has 19 MA's), (Start: 62 @7992 has 7 MA's), (148, 8121), (166, 8148), (183, 8172), (188, 8178), (223, 8235), (248, 8256), (281, 8313), (290, 8328), (297, 8340),

Gene: Stromboli_11 Start: 8161, Stop: 8556, Start Num: 48

Candidate Starts for Stromboli_11:

(Start: 48 @8161 has 52 MA's), (Start: 51 @8164 has 19 MA's), (85, 8224), (223, 8419), (248, 8455), (263, 8488), (276, 8509),

Gene: StuartMinion_11 Start: 7928, Stop: 8371, Start Num: 43

Candidate Starts for StuartMinion_11:

(Start: 36 @7916 has 8 MA's), (Start: 43 @7928 has 214 MA's), (104, 8036), (136, 8084), (158, 8120), (161, 8126), (218, 8213), (236, 8240), (296, 8339), (299, 8345), (302, 8357),

Gene: Studio_13 Start: 7486, Stop: 7878, Start Num: 50

Candidate Starts for Studio_13:

(Start: 50 @7486 has 32 MA's), (72, 7525), (74, 7528), (110, 7588), (149, 7639), (150, 7642), (210, 7732), (283, 7846), (298, 7870),

Gene: Stuu_12 Start: 8547, Stop: 8966, Start Num: 39

Candidate Starts for Stuu_12:

(Start: 39 @8547 has 73 MA's), (66, 8589), (177, 8766), (244, 8871),

Gene: SuMoo_10 Start: 7515, Stop: 7928, Start Num: 39

Candidate Starts for SuMoo_10:

(Start: 39 @7515 has 73 MA's),

Gene: Subaru_12 Start: 9019, Stop: 9429, Start Num: 39

Candidate Starts for Subaru_12:

(Start: 39 @9019 has 73 MA's), (79, 9088), (173, 9226), (180, 9238), (250, 9349), (268, 9382),

Gene: Sudan_14 Start: 9626, Stop: 10129, Start Num: 20

Candidate Starts for Sudan_14:

(Start: 20 @9626 has 111 MA's), (29, 9665), (Start: 57 @9695 has 67 MA's), (74, 9725), (142, 9836), (223, 9968), (273, 10052),

Gene: Sue2_12 Start: 9043, Stop: 9456, Start Num: 42

Candidate Starts for Sue2_12:

(22, 9007), (Start: 42 @9043 has 9 MA's),

Gene: Sujidade_15 Start: 9838, Stop: 10341, Start Num: 20

Candidate Starts for Sujidade_15:

(Start: 20 @9838 has 111 MA's), (140, 10045), (207, 10153), (223, 10180), (227, 10186), (257, 10237), (273, 10264),

Gene: Sulley_17 Start: 9949, Stop: 10374, Start Num: 43

Candidate Starts for Sulley_17:

(Start: 43 @9949 has 214 MA's), (109, 10054), (148, 10114), (166, 10141), (171, 10147), (183, 10165), (188, 10171), (214, 10216), (227, 10234), (248, 10252), (297, 10336),

Gene: SummitAcademy_11 Start: 7362, Stop: 7772, Start Num: 57

Candidate Starts for SummitAcademy_11:

(Start: 57 @7362 has 67 MA's), (82, 7407), (106, 7446), (133, 7485), (141, 7497), (192, 7566), (253, 7671), (297, 7746),

Gene: Sunflower1121_15 Start: 8831, Stop: 9253, Start Num: 31

Candidate Starts for Sunflower1121_15:

(Start: 31 @8831 has 13 MA's), (97, 8921), (148, 8993), (207, 9083), (214, 9095), (227, 9113), (248, 9131), (281, 9188), (290, 9203), (297, 9215),

Gene: SunkenRoot_14 Start: 9735, Stop: 10238, Start Num: 20

Candidate Starts for SunkenRoot_14:

(Start: 20 @9735 has 111 MA's), (26, 9765), (29, 9774), (142, 9945), (223, 10077), (273, 10161),

Gene: SunnyD_10 Start: 7746, Stop: 8147, Start Num: 45

Candidate Starts for SunnyD_10:

(Start: 45 @7746 has 21 MA's), (137, 7875), (162, 7917), (242, 8037), (263, 8079), (278, 8103),

Gene: SunsetPointe_14 Start: 9567, Stop: 10070, Start Num: 20

Candidate Starts for SunsetPointe_14:

(Start: 20 @9567 has 111 MA's), (26, 9597), (Start: 57 @9636 has 67 MA's), (93, 9705), (182, 9840), (204, 9876), (207, 9882), (223, 9909), (227, 9915), (257, 9966), (273, 9993),

Gene: Supakev_10 Start: 7553, Stop: 7984, Start Num: 36

Candidate Starts for Supakev_10:

(Start: 34 @7547 has 76 MA's), (Start: 36 @7553 has 8 MA's), (Start: 49 @7574 has 19 MA's), (88, 7646), (145, 7715), (149, 7724), (164, 7748), (263, 7907),

Gene: SuperHands_11 Start: 9343, Stop: 9765, Start Num: 38

Candidate Starts for SuperHands_11:

(Start: 38 @9343 has 7 MA's), (100, 9436), (104, 9442), (112, 9457), (173, 9547), (197, 9586), (208, 9604), (274, 9715),

Gene: Superstar_17 Start: 10563, Stop: 11060, Start Num: 20

Candidate Starts for Superstar_17:

(Start: 20 @10563 has 111 MA's), (Start: 53 @10623 has 5 MA's), (144, 10776), (189, 10845), (207, 10878),

Gene: Suppi_14 Start: 10446, Stop: 10859, Start Num: 34

Candidate Starts for Suppi_14:

(Start: 34 @10446 has 76 MA's), (Start: 62 @10491 has 7 MA's), (137, 10593), (206, 10701), (263, 10797),

Gene: Survivors_14 Start: 8300, Stop: 8704, Start Num: 57

Candidate Starts for Survivors_14:

(Start: 57 @8300 has 67 MA's), (82, 8348), (137, 8429), (163, 8468), (186, 8495), (215, 8543), (253, 8609),

Gene: SweatNTears_14 Start: 8017, Stop: 8427, Start Num: 57

Candidate Starts for SweatNTears_14:

(Start: 57 @8017 has 67 MA's), (77, 8059), (82, 8065), (106, 8104), (135, 8146), (173, 8200), (206, 8248), (213, 8260),

Gene: Sweets_12 Start: 9409, Stop: 9852, Start Num: 28

Candidate Starts for Sweets_12:

(Start: 28 @9409 has 80 MA's), (Start: 47 @9424 has 9 MA's), (Start: 56 @9439 has 1 MA's), (74, 9472), (127, 9547), (131, 9553), (250, 9724),

Gene: Swervy_11 Start: 7888, Stop: 8283, Start Num: 48

Candidate Starts for Swervy_11:

(13, 7762), (Start: 48 @7888 has 52 MA's), (72, 7927), (93, 7954), (150, 8032), (237, 8164), (288, 8257),

Gene: Syra333_16 Start: 8927, Stop: 9346, Start Num: 31

Candidate Starts for Syra333_16:

(Start: 31 @8927 has 13 MA's), (97, 9017), (148, 9089), (166, 9116), (207, 9179), (214, 9191), (227, 9209), (248, 9227), (281, 9284), (290, 9299), (297, 9311),

Gene: TBond007_16 Start: 9736, Stop: 10170, Start Num: 43

Candidate Starts for TBond007_16:

(Start: 43 @9736 has 214 MA's), (148, 9898), (171, 9931), (183, 9949), (188, 9955), (207, 9988), (225, 10018), (248, 10054), (285, 10117), (297, 10138),

Gene: TClif_16 Start: 8918, Stop: 9340, Start Num: 43

Candidate Starts for TClif_16:

(Start: 43 @8918 has 214 MA's), (72, 8969), (97, 9008), (109, 9020), (148, 9080), (183, 9131), (207, 9170), (214, 9182), (227, 9200), (248, 9218), (281, 9275), (290, 9290),

Gene: TM4_13 Start: 8014, Stop: 8433, Start Num: 45

Candidate Starts for TM4_13:

(11, 7930), (Start: 45 @8014 has 21 MA's), (Start: 51 @8023 has 19 MA's), (Start: 62 @8044 has 7 MA's), (148, 8173), (166, 8200), (183, 8224), (188, 8230), (223, 8287), (248, 8308), (281, 8365), (290, 8380), (297, 8392),

Gene: TMaxx_13 Start: 7597, Stop: 7989, Start Num: 50

Candidate Starts for TMaxx_13:

(Start: 50 @7597 has 32 MA's), (110, 7699), (125, 7711), (210, 7843), (298, 7981),

Gene: TPA4_12 Start: 8635, Stop: 9036, Start Num: 49

Candidate Starts for TPA4_12:

(Start: 49 @8635 has 19 MA's), (93, 8719), (102, 8731), (207, 8884), (232, 8923), (250, 8953), (261, 8974), (276, 8998),

Gene: Tachez_17 Start: 9942, Stop: 10367, Start Num: 43

Candidate Starts for Tachez_17:

(Start: 43 @9942 has 214 MA's), (61, 9972), (109, 10047), (148, 10107), (166, 10134), (171, 10140), (183, 10158), (188, 10164), (214, 10209), (227, 10227), (248, 10245), (297, 10329),

Gene: TagePhighter_15 Start: 9540, Stop: 10043, Start Num: 20

Candidate Starts for TagePhighter_15:

(Start: 20 @9540 has 111 MA's), (140, 9747), (207, 9855), (223, 9882), (227, 9888), (257, 9939), (273, 9966),

Gene: Taheera_12 Start: 9406, Stop: 9849, Start Num: 28

Candidate Starts for Taheera_12:

(Start: 28 @9406 has 80 MA's), (Start: 47 @9421 has 9 MA's), (Start: 56 @9436 has 1 MA's), (74, 9469), (127, 9544), (131, 9550), (250, 9721),

Gene: TaiwanKao_17 Start: 9949, Stop: 10374, Start Num: 43

Candidate Starts for TaiwanKao_17:

(Start: 43 @9949 has 214 MA's), (93, 10033), (109, 10054), (148, 10114), (166, 10141), (171, 10147), (183, 10165), (188, 10171), (214, 10216), (248, 10252), (297, 10336),

Gene: Tallboi_12 Start: 9050, Stop: 9463, Start Num: 39

Candidate Starts for Tallboi_12:

(Start: 39 @9050 has 73 MA's), (68, 9095), (79, 9119), (250, 9380), (268, 9413),

Gene: Taquito_16 Start: 10807, Stop: 11232, Start Num: 24

Candidate Starts for Taquito_16:

(Start: 24 @10807 has 23 MA's), (76, 10876), (183, 11026), (188, 11032), (207, 11065), (214, 11077), (248, 11110), (297, 11194),

Gene: Tarnish_12 Start: 7661, Stop: 8071, Start Num: 57

Candidate Starts for Tarnish_12:

(Start: 57 @7661 has 67 MA's), (82, 7706), (106, 7745), (133, 7784), (141, 7796), (192, 7865), (253, 7970), (297, 8045),

Gene: TattModd_14 Start: 10423, Stop: 10836, Start Num: 34

Candidate Starts for TattModd_14:

(Start: 34 @10423 has 76 MA's), (127, 10558), (137, 10573), (164, 10618), (194, 10660), (263, 10777),

Gene: TaylorSipht_12 Start: 8370, Stop: 8810, Start Num: 43

Candidate Starts for TaylorSipht_12:

(Start: 43 @8370 has 214 MA's), (63, 8406), (97, 8469), (134, 8523), (136, 8526), (158, 8562), (205, 8634), (212, 8646), (236, 8682), (249, 8706), (272, 8742), (296, 8778),

Gene: Tbone_12 Start: 9033, Stop: 9446, Start Num: 39

Candidate Starts for Tbone_12:

(Start: 39 @9033 has 73 MA's), (79, 9102), (180, 9252), (250, 9363), (268, 9396),

Gene: Teagster_10 Start: 7746, Stop: 8147, Start Num: 45

Candidate Starts for Teagster_10:

(Start: 45 @7746 has 21 MA's), (137, 7875), (162, 7917), (242, 8037), (263, 8079), (278, 8103),

Gene: Teejan_13 Start: 9263, Stop: 9688, Start Num: 43

Candidate Starts for Teejan_13:

(3, 9059), (Start: 43 @9263 has 214 MA's), (Start: 47 @9269 has 9 MA's), (Start: 56 @9284 has 1 MA's), (97, 9353), (148, 9425), (166, 9452), (171, 9458), (183, 9476), (188, 9482), (227, 9545), (248, 9563), (281, 9620), (297, 9647),

Gene: Tefunt_14 Start: 9435, Stop: 9932, Start Num: 20

Candidate Starts for Tefunt_14:

(Start: 20 @9435 has 111 MA's), (Start: 53 @9495 has 5 MA's), (74, 9534), (144, 9648), (189, 9717), (207, 9750), (257, 9834),

Gene: Temper16_10 Start: 7547, Stop: 7984, Start Num: 34

Candidate Starts for Temper16_10:

(Start: 34 @7547 has 76 MA's), (Start: 36 @7553 has 8 MA's), (59, 7592), (61, 7595), (127, 7688), (137, 7703), (145, 7715), (149, 7724), (150, 7727), (164, 7748), (263, 7907),

Gene: Terror_12 Start: 9406, Stop: 9849, Start Num: 28

Candidate Starts for Terror_12:

(Start: 28 @9406 has 80 MA's), (Start: 47 @9421 has 9 MA's), (Start: 56 @9436 has 1 MA's), (74, 9469), (127, 9544), (131, 9550), (250, 9721),

Gene: TforTroy_12 Start: 9164, Stop: 9577, Start Num: 39

Candidate Starts for TforTroy_12:

(Start: 39 @9164 has 73 MA's), (250, 9494), (268, 9527),

Gene: Thestral_15 Start: 9504, Stop: 10001, Start Num: 20

Candidate Starts for Thestral_15:

(Start: 20 @9504 has 111 MA's), (Start: 53 @9564 has 5 MA's), (74, 9603), (144, 9717), (189, 9786),

Gene: ThursdayNight_11 Start: 7530, Stop: 7949, Start Num: 41

Candidate Starts for ThursdayNight_11:

(Start: 41 @7530 has 5 MA's), (73, 7581), (100, 7632), (180, 7752), (268, 7896),

Gene: Thyatira_15 Start: 10066, Stop: 10488, Start Num: 43

Candidate Starts for Thyatira_15:

(11, 9982), (Start: 43 @10066 has 214 MA's), (Start: 47 @10072 has 9 MA's), (Start: 51 @10078 has 19 MA's), (103, 10162), (129, 10198), (166, 10255), (171, 10261), (183, 10279), (207, 10318), (209, 10321), (214, 10330), (248, 10366), (281, 10423), (290, 10438), (297, 10450),

Gene: Tian_12 Start: 9064, Stop: 9477, Start Num: 39

Candidate Starts for Tian_12:

(Start: 39 @9064 has 73 MA's), (68, 9109), (180, 9283), (250, 9394), (268, 9427),

Gene: Tierra_16 Start: 9630, Stop: 10067, Start Num: 31

Candidate Starts for Tierra_16:

(Start: 31 @9630 has 13 MA's), (97, 9720), (105, 9729), (109, 9732), (148, 9792), (183, 9843), (207, 9882), (214, 9894), (227, 9912), (248, 9945), (281, 10002), (290, 10017), (297, 10029),

Gene: Tigress9_16 Start: 8911, Stop: 9333, Start Num: 31

Candidate Starts for Tigress9_16:

(Start: 31 @8911 has 13 MA's), (97, 9001), (148, 9073), (166, 9100), (207, 9163), (214, 9175), (227, 9193), (248, 9211), (281, 9268), (290, 9283), (297, 9295),

Gene: TinaBelcher_14 Start: 9452, Stop: 9949, Start Num: 20

Candidate Starts for TinaBelcher_14:

(Start: 20 @9452 has 111 MA's), (Start: 53 @9512 has 5 MA's), (Start: 57 @9521 has 67 MA's), (74, 9551), (144, 9665), (189, 9734), (198, 9752),

Gene: TinaBug_12 Start: 9409, Stop: 9852, Start Num: 28

Candidate Starts for TinaBug_12:

(Start: 28 @9409 has 80 MA's), (Start: 47 @9424 has 9 MA's), (Start: 56 @9439 has 1 MA's), (74, 9472), (127, 9547), (131, 9553), (250, 9724),

Gene: TingHuaYa_17 Start: 9013, Stop: 9438, Start Num: 43

Candidate Starts for TingHuaYa_17:

(Start: 43 @9013 has 214 MA's), (Start: 51 @9025 has 19 MA's), (Start: 56 @9034 has 1 MA's), (148, 9178), (166, 9205), (171, 9211), (183, 9229), (188, 9235), (214, 9280), (225, 9295), (227, 9298), (248, 9316), (290, 9388),

Gene: TiniBug_17 Start: 9921, Stop: 10346, Start Num: 43

Candidate Starts for TiniBug_17:

(Start: 43 @9921 has 214 MA's), (109, 10026), (148, 10086), (166, 10113), (171, 10119), (183, 10137), (188, 10143), (214, 10188), (225, 10203), (227, 10206), (248, 10224), (297, 10308),

Gene: Tiri_17 Start: 9988, Stop: 10413, Start Num: 43

Candidate Starts for Tiri_17:

(Start: 43 @9988 has 214 MA's), (109, 10093), (148, 10153), (166, 10180), (171, 10186), (183, 10204), (188, 10210), (214, 10255), (227, 10273), (248, 10291), (297, 10375),

Gene: Toad24_13 Start: 8492, Stop: 8932, Start Num: 43

Candidate Starts for Toad24_13:

(Start: 36 @8480 has 8 MA's), (Start: 43 @8492 has 214 MA's), (92, 8582), (119, 8624), (132, 8642), (134, 8645), (158, 8684), (218, 8777), (236, 8804), (249, 8828), (272, 8864), (296, 8900),

Gene: Tolls_14 Start: 7538, Stop: 7948, Start Num: 57

Candidate Starts for Tolls_14:

(Start: 57 @7538 has 67 MA's), (75, 7574), (77, 7580), (82, 7586), (106, 7625), (135, 7667), (173, 7721), (213, 7781),

Gene: TomBrady_12 Start: 9415, Stop: 9858, Start Num: 28

Candidate Starts for TomBrady_12:

(4, 9223), (Start: 28 @9415 has 80 MA's), (Start: 47 @9430 has 9 MA's), (Start: 56 @9445 has 1 MA's), (74, 9478), (93, 9508), (127, 9553), (131, 9559), (250, 9730),

Gene: Toma_14 Start: 9546, Stop: 10049, Start Num: 20

Candidate Starts for Toma_14:

(Start: 20 @9546 has 111 MA's), (140, 9753), (207, 9861), (223, 9888), (227, 9894), (257, 9945), (273, 9972),

Gene: Topper_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Topper_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Torres_13 Start: 9269, Stop: 9688, Start Num: 47

Candidate Starts for Torres_13:

(3, 9059), (Start: 43 @9263 has 214 MA's), (Start: 47 @9269 has 9 MA's), (Start: 56 @9284 has 1 MA's), (97, 9353), (148, 9425), (166, 9452), (171, 9458), (183, 9476), (188, 9482), (227, 9545), (248,

9563), (281, 9620), (297, 9647),

Gene: TreyKay_17 Start: 9943, Stop: 10368, Start Num: 43

Candidate Starts for TreyKay_17:

(Start: 43 @9943 has 214 MA's), (93, 10027), (109, 10048), (148, 10108), (166, 10135), (171, 10141), (183, 10159), (188, 10165), (214, 10210), (227, 10228), (248, 10246), (297, 10330),

Gene: TribbleTrouble_15 Start: 9794, Stop: 10225, Start Num: 43

Candidate Starts for TribbleTrouble_15:

(Start: 43 @9794 has 214 MA's), (Start: 49 @9803 has 19 MA's), (148, 9956), (171, 9989), (183, 10007), (207, 10046), (225, 10076), (281, 10166), (285, 10172), (290, 10181), (297, 10193),

Gene: Trice_13 Start: 9263, Stop: 9688, Start Num: 43

Candidate Starts for Trice_13:

(3, 9059), (Start: 43 @9263 has 214 MA's), (Start: 47 @9269 has 9 MA's), (Start: 56 @9284 has 1 MA's), (97, 9353), (148, 9425), (166, 9452), (171, 9458), (183, 9476), (188, 9482), (227, 9545), (248, 9563), (281, 9620), (297, 9647),

Gene: TripleC_16 Start: 11103, Stop: 11495, Start Num: 50

Candidate Starts for TripleC_16:

(Start: 50 @11103 has 32 MA's), (105, 11199), (150, 11259), (206, 11343), (208, 11346), (298, 11487),

Gene: Triste_14 Start: 9534, Stop: 10037, Start Num: 20

Candidate Starts for Triste_14:

(Start: 20 @9534 has 111 MA's), (140, 9741), (207, 9849), (223, 9876), (227, 9882), (257, 9933), (273, 9960),

Gene: Triumph_16 Start: 9459, Stop: 9956, Start Num: 20

Candidate Starts for Triumph_16:

(Start: 20 @9459 has 111 MA's), (74, 9558), (93, 9597), (144, 9672), (205, 9771),

Gene: Troje_12 Start: 7491, Stop: 7901, Start Num: 57

Candidate Starts for Troje_12:

(Start: 57 @7491 has 67 MA's), (77, 7533), (82, 7539), (106, 7578), (135, 7620), (173, 7674), (206, 7722), (213, 7734),

Gene: TruffulaTree_17 Start: 9976, Stop: 10401, Start Num: 43

Candidate Starts for TruffulaTree_17:

(Start: 43 @9976 has 214 MA's), (148, 10141), (166, 10168), (171, 10174), (183, 10192), (188, 10198), (214, 10243), (227, 10261), (248, 10279), (297, 10363),

Gene: TrvxScott_13 Start: 9453, Stop: 9950, Start Num: 20

Candidate Starts for TrvxScott_13:

(Start: 20 @9453 has 111 MA's), (Start: 53 @9513 has 5 MA's), (Start: 57 @9522 has 67 MA's), (74, 9552), (144, 9666), (189, 9735),

Gene: TuanPN_14 Start: 9543, Stop: 10046, Start Num: 20

Candidate Starts for TuanPN_14:

(Start: 20 @9543 has 111 MA's), (204, 9852), (207, 9858), (223, 9885), (227, 9891), (257, 9942), (273, 9969),

Gene: Tuck_13 Start: 10079, Stop: 10489, Start Num: 39

Candidate Starts for Tuck_13:

(Start: 39 @10079 has 73 MA's), (68, 10124), (180, 10298), (250, 10409), (268, 10442),

Gene: TukTuk_11 Start: 7948, Stop: 8343, Start Num: 48

Candidate Starts for TukTuk_11:

(13, 7822), (Start: 48 @7948 has 52 MA's), (72, 7987), (93, 8014), (150, 8092), (237, 8224), (288, 8317),

Gene: Turab_12 Start: 9048, Stop: 9458, Start Num: 39

Candidate Starts for Turab_12:

(Start: 39 @9048 has 73 MA's), (68, 9093), (79, 9117), (250, 9378), (268, 9411),

Gene: Tutumahutu_12 Start: 9090, Stop: 9503, Start Num: 39

Candidate Starts for Tutumahutu_12:

(Start: 39 @9090 has 73 MA's), (79, 9159), (180, 9309), (250, 9420), (268, 9453),

Gene: Tweety19_12 Start: 8126, Stop: 8539, Start Num: 42

Candidate Starts for Tweety19_12:

(Start: 42 @8126 has 9 MA's), (133, 8279), (286, 8522),

Gene: Twitch_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Twitch_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Typha_18 Start: 11994, Stop: 12434, Start Num: 47

Candidate Starts for Typha_18:

(Start: 47 @11994 has 9 MA's), (Start: 49 @11997 has 19 MA's), (91, 12075), (94, 12084), (98, 12090), (103, 12096), (154, 12174), (197, 12240), (218, 12276), (264, 12351), (291, 12390),

Gene: Typhonomachy_12 Start: 7522, Stop: 7932, Start Num: 57

Candidate Starts for Typhonomachy_12:

(Start: 57 @7522 has 67 MA's), (77, 7564), (82, 7570), (106, 7609), (135, 7651), (173, 7705), (213, 7765),

Gene: Unicorn_16 Start: 8965, Stop: 9402, Start Num: 31

Candidate Starts for Unicorn_16:

(Start: 31 @8965 has 13 MA's), (105, 9064), (109, 9067), (148, 9127), (183, 9178), (207, 9217), (214, 9229), (227, 9247), (248, 9280), (281, 9337), (290, 9352), (297, 9364),

Gene: Unstoppable_14 Start: 9568, Stop: 10071, Start Num: 20

Candidate Starts for Unstoppable_14:

(Start: 20 @9568 has 111 MA's), (26, 9598), (Start: 57 @9637 has 67 MA's), (93, 9706), (182, 9841), (204, 9877), (207, 9883), (223, 9910), (227, 9916), (257, 9967), (273, 9994),

Gene: Urkel_17 Start: 9921, Stop: 10346, Start Num: 43

Candidate Starts for Urkel_17:

(Start: 43 @9921 has 214 MA's), (148, 10086), (166, 10113), (171, 10119), (183, 10137), (188, 10143), (214, 10188), (225, 10203), (227, 10206), (248, 10224), (297, 10308),

Gene: Urla_10 Start: 7561, Stop: 7974, Start Num: 34

Candidate Starts for Urla_10:

(Start: 34 @7561 has 76 MA's), (127, 7693), (137, 7708), (164, 7753), (167, 7756), (194, 7795), (231, 7855), (263, 7912),

Gene: Urza_14 Start: 9796, Stop: 10299, Start Num: 20

Candidate Starts for Urza_14:

(Start: 20 @9796 has 111 MA's), (Start: 53 @9856 has 5 MA's), (Start: 57 @9865 has 67 MA's), (71, 9889), (74, 9895), (140, 10003), (144, 10009), (189, 10078), (207, 10111), (223, 10138), (257, 10195), (273, 10222),

Gene: UtzChips_10 Start: 8204, Stop: 8620, Start Num: 39

Candidate Starts for UtzChips_10:

(Start: 39 @8204 has 73 MA's), (197, 8444), (232, 8501),

Gene: VResidence_12 Start: 9113, Stop: 9535, Start Num: 42

Candidate Starts for VResidence_12:

(Start: 42 @9113 has 9 MA's), (177, 9335), (230, 9422), (246, 9443), (250, 9452),

Gene: VWB_11 Start: 8079, Stop: 8474, Start Num: 53

Candidate Starts for VWB_11:

(Start: 46 @8073 has 3 MA's), (Start: 53 @8079 has 5 MA's), (61, 8094), (97, 8160), (150, 8244), (196, 8310), (282, 8454),

Gene: Validus_17 Start: 8976, Stop: 9398, Start Num: 43

Candidate Starts for Validus_17:

(Start: 43 @8976 has 214 MA's), (Start: 51 @8988 has 19 MA's), (109, 9078), (148, 9138), (166, 9165), (171, 9171), (183, 9189), (188, 9195), (214, 9240), (227, 9258), (248, 9276), (281, 9333), (290, 9348), (297, 9360),

Gene: Vallejo_14 Start: 10361, Stop: 10774, Start Num: 34

Candidate Starts for Vallejo_14:

(Start: 34 @10361 has 76 MA's), (127, 10496), (137, 10511), (164, 10556), (194, 10598), (263, 10715),

Gene: Vanseggelen_18 Start: 9273, Stop: 9776, Start Num: 20

Candidate Starts for Vanseggelen_18:

(Start: 20 @9273 has 111 MA's), (29, 9312), (Start: 57 @9342 has 67 MA's), (142, 9483), (273, 9699),

Gene: Veliki_17 Start: 10019, Stop: 10444, Start Num: 43

Candidate Starts for Veliki_17:

(Start: 43 @10019 has 214 MA's), (109, 10124), (148, 10184), (166, 10211), (171, 10217), (183, 10235), (188, 10241), (214, 10286), (227, 10304), (248, 10322), (297, 10406),

Gene: Verabelle_15 Start: 9620, Stop: 10123, Start Num: 20

Candidate Starts for Verabelle_15:

(Start: 20 @9620 has 111 MA's), (26, 9650), (29, 9659), (142, 9830), (182, 9893), (273, 10046),

Gene: Verse_14 Start: 9736, Stop: 10239, Start Num: 20

Candidate Starts for Verse_14:

(Start: 20 @9736 has 111 MA's), (26, 9766), (29, 9775), (142, 9946), (223, 10078), (273, 10162),

Gene: VieEnRose_14 Start: 9866, Stop: 10369, Start Num: 20

Candidate Starts for VieEnRose_14:

(Start: 20 @9866 has 111 MA's), (Start: 53 @9926 has 5 MA's), (71, 9959), (74, 9965), (140, 10073), (144, 10079), (189, 10148), (207, 10181), (223, 10208), (257, 10265), (273, 10292),

Gene: Vine_13 Start: 8291, Stop: 8701, Start Num: 57

Candidate Starts for Vine_13:

(Start: 57 @8291 has 67 MA's), (82, 8336), (106, 8375), (133, 8414), (141, 8426), (192, 8495), (253, 8600), (297, 8675),

Gene: Vitas_10 Start: 7692, Stop: 8081, Start Num: 51

Candidate Starts for Vitas_10:

(Start: 51 @7692 has 19 MA's), (150, 7833), (162, 7851), (258, 8004), (263, 8013), (278, 8037), (295, 8067),

Gene: ViviJ_14 Start: 9919, Stop: 10341, Start Num: 43

Candidate Starts for ViviJ_14:

(11, 9835), (Start: 43 @9919 has 214 MA's), (Start: 47 @9925 has 9 MA's), (Start: 51 @9931 has 19 MA's), (129, 10051), (166, 10108), (171, 10114), (183, 10132), (205, 10168), (207, 10171), (214, 10183), (248, 10219), (281, 10276), (290, 10291), (297, 10303),

Gene: Volt_46 Start: 17508, Stop: 17888, Start Num: 51

Candidate Starts for Volt_46:

(Start: 51 @17508 has 19 MA's), (72, 17547), (Start: 83 @17571 has 1 MA's), (131, 17628), (168, 17685), (198, 17733), (231, 17787),

Gene: VroomVroom_11 Start: 7298, Stop: 7693, Start Num: 39

Candidate Starts for VroomVroom_11:

(Start: 39 @7298 has 73 MA's), (173, 7490),

Gene: Vulpecula_12 Start: 8667, Stop: 9110, Start Num: 43

Candidate Starts for Vulpecula_12:

(Start: 43 @8667 has 214 MA's), (68, 8709), (75, 8727), (96, 8763), (132, 8817), (134, 8820), (158, 8859), (195, 8913), (218, 8952), (236, 8979), (249, 9003), (251, 9009),

Gene: Vulture_10 Start: 7551, Stop: 7982, Start Num: 36

Candidate Starts for Vulture_10:

(Start: 34 @7545 has 76 MA's), (Start: 36 @7551 has 8 MA's), (Start: 49 @7572 has 19 MA's), (88, 7644), (145, 7713), (149, 7722), (164, 7746), (263, 7905),

Gene: WalkingDead_11 Start: 8148, Stop: 8543, Start Num: 48

Candidate Starts for WalkingDead_11:

(Start: 48 @8148 has 52 MA's), (Start: 51 @8151 has 19 MA's), (85, 8211), (93, 8214), (248, 8442), (263, 8475), (276, 8496),

Gene: Wallaby_16 Start: 8445, Stop: 8849, Start Num: 57

Candidate Starts for Wallaby_16:

(Start: 57 @8445 has 67 MA's), (82, 8493), (137, 8574), (163, 8613), (186, 8640), (215, 8688), (253, 8754),

Gene: Warda_12 Start: 9036, Stop: 9449, Start Num: 39

Candidate Starts for Warda_12:

(Start: 39 @9036 has 73 MA's), (79, 9105), (180, 9255), (250, 9366), (268, 9399),

Gene: Waterfoul_15 Start: 10088, Stop: 10510, Start Num: 43

Candidate Starts for Waterfoul_15:

(11, 10004), (Start: 43 @10088 has 214 MA's), (Start: 47 @10094 has 9 MA's), (Start: 51 @10100 has 19 MA's), (103, 10184), (129, 10220), (166, 10277), (171, 10283), (183, 10301), (207, 10340), (209, 10343), (214, 10352), (248, 10388), (281, 10445), (290, 10460), (297, 10472),

Gene: Wawa_14 Start: 10398, Stop: 10811, Start Num: 34

Candidate Starts for Wawa_14:

(Start: 34 @10398 has 76 MA's), (127, 10533), (137, 10548), (164, 10593), (194, 10635), (263, 10752),

Gene: Wayne_14 Start: 10492, Stop: 10905, Start Num: 34

Candidate Starts for Wayne_14:

(Start: 34 @10492 has 76 MA's), (Start: 62 @10537 has 7 MA's), (137, 10639), (206, 10747), (263, 10843),

Gene: Wendigo_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Wendigo_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Werner_14 Start: 9541, Stop: 10044, Start Num: 20

Candidate Starts for Werner_14:

(8, 9460), (Start: 20 @9541 has 111 MA's), (140, 9748), (207, 9856), (223, 9883), (227, 9889), (257, 9940), (273, 9967),

Gene: Westrich_13 Start: 8480, Stop: 8920, Start Num: 43

Candidate Starts for Westrich_13:

(Start: 36 @8468 has 8 MA's), (Start: 43 @8480 has 214 MA's), (92, 8570), (119, 8612), (132, 8630), (134, 8633), (158, 8672), (218, 8765), (236, 8792), (249, 8816), (272, 8852), (296, 8888),

Gene: Whatever_14 Start: 9541, Stop: 10044, Start Num: 20

Candidate Starts for Whatever_14:

(Start: 20 @9541 has 111 MA's), (140, 9748), (207, 9856), (223, 9883), (227, 9889), (257, 9940), (273, 9967),

Gene: Whitney_12 Start: 7041, Stop: 7433, Start Num: 50

Candidate Starts for Whitney_12:

(14, 6912), (19, 6957), (Start: 20 @6963 has 111 MA's), (21, 6969), (25, 6987), (Start: 50 @7041 has 32 MA's), (66, 7068), (85, 7107), (89, 7113), (93, 7119), (102, 7131), (125, 7155), (151, 7194), (155, 7200), (162, 7212), (170, 7221), (203, 7272), (210, 7284),

Gene: Wildwest_13 Start: 9954, Stop: 10370, Start Num: 42

Candidate Starts for Wildwest_13:

(Start: 42 @9954 has 9 MA's), (133, 10107), (177, 10170), (246, 10278),

Gene: WileyE_11 Start: 8002, Stop: 8445, Start Num: 43

Candidate Starts for WileyE_11:

(Start: 43 @8002 has 214 MA's), (68, 8044), (75, 8062), (96, 8098), (132, 8152), (134, 8155), (158, 8194), (195, 8248), (218, 8287), (236, 8314), (249, 8338), (251, 8344),

Gene: Wintermute_18 Start: 11210, Stop: 11635, Start Num: 24

Candidate Starts for Wintermute_18:

(Start: 24 @11210 has 23 MA's), (97, 11306), (183, 11429), (188, 11435), (207, 11468), (214, 11480), (248, 11513), (297, 11597),

Gene: Wolfwood_14 Start: 8445, Stop: 8849, Start Num: 57

Candidate Starts for Wolfwood_14:

(Start: 57 @8445 has 67 MA's), (82, 8493), (137, 8574), (163, 8613), (186, 8640), (215, 8688), (253, 8754),

Gene: WonderBoy_10 Start: 7514, Stop: 7924, Start Num: 34

Candidate Starts for WonderBoy_10:

(Start: 34 @7514 has 76 MA's), (72, 7577), (127, 7646), (137, 7661), (164, 7706), (194, 7748), (263, 7865),

Gene: Wrigley_13 Start: 8113, Stop: 8499, Start Num: 70

Candidate Starts for Wrigley_13:

(27, 8032), (Start: 70 @8113 has 17 MA's), (89, 8149), (101, 8170),

Gene: Ximenita_17 Start: 9106, Stop: 9528, Start Num: 31

Candidate Starts for Ximenita_17:

(Start: 31 @9106 has 13 MA's), (97, 9196), (109, 9208), (148, 9268), (166, 9295), (207, 9358), (227, 9388), (248, 9406), (281, 9463), (290, 9478), (297, 9490),

Gene: Y10_18 Start: 11210, Stop: 11635, Start Num: 24

Candidate Starts for Y10_18:

(Start: 24 @11210 has 23 MA's), (97, 11306), (135, 11357), (183, 11429), (188, 11435), (207, 11468), (214, 11480), (248, 11513), (297, 11597),

Gene: Y2_18 Start: 11210, Stop: 11635, Start Num: 24

Candidate Starts for Y2_18:

(Start: 24 @11210 has 23 MA's), (97, 11306), (135, 11357), (183, 11429), (188, 11435), (207, 11468), (214, 11480), (248, 11513), (297, 11597),

Gene: Yakult_13 Start: 7424, Stop: 7828, Start Num: 57

Candidate Starts for Yakult_13:

(15, 7289), (16, 7292), (17, 7319), (Start: 57 @7424 has 67 MA's), (77, 7466), (Start: 83 @7475 has 1 MA's), (85, 7478), (106, 7514), (192, 7634),

Gene: Yang_12 Start: 9134, Stop: 9547, Start Num: 39

Candidate Starts for Yang_12:

(Start: 39 @9134 has 73 MA's), (250, 9464), (268, 9497),

Gene: YangYin_12 Start: 9700, Stop: 10152, Start Num: 28

Candidate Starts for YangYin_12:

(Start: 28 @9700 has 80 MA's), (Start: 56 @9730 has 1 MA's), (159, 9898), (171, 9913), (198, 9955), (250, 10024), (293, 10099),

Gene: Yarn_11 Start: 7528, Stop: 7938, Start Num: 57

Candidate Starts for Yarn_11:

(Start: 57 @7528 has 67 MA's), (75, 7564), (77, 7570), (82, 7576), (106, 7615), (135, 7657), (173, 7711), (213, 7771),

Gene: Yasdnii_14 Start: 9539, Stop: 10042, Start Num: 20

Candidate Starts for Yasdnii_14:

(Start: 20 @9539 has 111 MA's), (204, 9848), (207, 9854), (223, 9881), (227, 9887), (257, 9938), (273, 9965),

Gene: YasnayaPolyana_18 Start: 11211, Stop: 11636, Start Num: 24

Candidate Starts for YasnayaPolyana_18:

(Start: 24 @11211 has 23 MA's), (97, 11307), (135, 11358), (183, 11430), (188, 11436), (207, 11469), (214, 11481), (248, 11514), (297, 11598),

Gene: YesChef_12 Start: 9090, Stop: 9503, Start Num: 39

Candidate Starts for YesChef_12:

(Start: 39 @9090 has 73 MA's), (79, 9159), (180, 9309), (250, 9420), (268, 9453),

Gene: Yoshi_13 Start: 7212, Stop: 7616, Start Num: 62

Candidate Starts for Yoshi_13:

(Start: 62 @7212 has 7 MA's), (77, 7245), (116, 7305), (157, 7371), (232, 7491), (240, 7503), (260, 7539), (279, 7569),

Gene: Yosif_15 Start: 10000, Stop: 10503, Start Num: 20

Candidate Starts for Yosif_15:

(Start: 20 @10000 has 111 MA's), (26, 10030), (74, 10099), (115, 10168), (207, 10315), (223, 10342), (273, 10426), (284, 10444),

Gene: YoureAdopted_16 Start: 9952, Stop: 10377, Start Num: 43

Candidate Starts for YoureAdopted_16:

(Start: 43 @9952 has 214 MA's), (109, 10057), (148, 10117), (166, 10144), (171, 10150), (183, 10168), (188, 10174), (214, 10219), (227, 10237), (248, 10255), (297, 10339),

Gene: Yucky_12 Start: 8151, Stop: 8561, Start Num: 57

Candidate Starts for Yucky_12:

(Start: 57 @8151 has 67 MA's), (82, 8196), (106, 8235), (133, 8274), (141, 8286), (192, 8355), (253, 8460), (297, 8535),

Gene: Yummy_13 Start: 7404, Stop: 7814, Start Num: 57

Candidate Starts for Yummy_13:

(Start: 57 @7404 has 67 MA's), (82, 7452), (106, 7491), (135, 7533), (173, 7587), (213, 7647),

Gene: Yuna_17 Start: 9099, Stop: 9518, Start Num: 31

Candidate Starts for Yuna_17:

(Start: 31 @9099 has 13 MA's), (109, 9204), (166, 9291), (171, 9297), (183, 9315), (188, 9321), (227, 9384), (248, 9402), (281, 9459), (297, 9486),

Gene: Yunkel11_17 Start: 8938, Stop: 9363, Start Num: 43

Candidate Starts for Yunkel11_17:

(Start: 43 @8938 has 214 MA's), (Start: 51 @8950 has 19 MA's), (Start: 56 @8959 has 1 MA's), (148, 9103), (166, 9130), (171, 9136), (183, 9154), (188, 9160), (214, 9205), (227, 9223), (248, 9241), (290, 9313), (297, 9325),

Gene: Zabiza_17 Start: 9977, Stop: 10402, Start Num: 43

Candidate Starts for Zabiza_17:

(Start: 43 @9977 has 214 MA's), (148, 10142), (166, 10169), (171, 10175), (183, 10193), (188, 10199), (214, 10244), (227, 10262), (248, 10280), (297, 10364),

Gene: Zainub_16 Start: 10005, Stop: 10502, Start Num: 20

Candidate Starts for Zainub_16:

(Start: 20 @10005 has 111 MA's), (Start: 53 @10065 has 5 MA's), (74, 10104), (189, 10287),

Gene: ZamZam_14 Start: 9637, Stop: 10140, Start Num: 20

Candidate Starts for ZamZam_14:

(Start: 20 @9637 has 111 MA's), (74, 9736), (182, 9910), (207, 9952), (223, 9979), (273, 10063),

Gene: Zapner_14 Start: 7737, Stop: 8141, Start Num: 62

Candidate Starts for Zapner_14:

(Start: 62 @7737 has 7 MA's), (77, 7770), (116, 7830), (157, 7896), (232, 8016), (240, 8028), (260, 8064), (279, 8094),

Gene: Zareef_14 Start: 8447, Stop: 8851, Start Num: 57

Candidate Starts for Zareef_14:

(Start: 57 @8447 has 67 MA's), (82, 8495), (137, 8576), (163, 8615), (186, 8642), (215, 8690), (253, 8756),

Gene: Zavala_17 Start: 9958, Stop: 10383, Start Num: 43

Candidate Starts for Zavala_17:

(Start: 43 @9958 has 214 MA's), (148, 10123), (166, 10150), (171, 10156), (183, 10174), (188, 10180), (214, 10225), (227, 10243), (248, 10261), (297, 10345),

Gene: Zemlya_15 Start: 9554, Stop: 10057, Start Num: 20

Candidate Starts for Zemlya_15:

(Start: 20 @9554 has 111 MA's), (140, 9761), (207, 9869), (223, 9896), (227, 9902), (257, 9953), (273, 9980),

Gene: Zeta1847_10 Start: 7300, Stop: 7692, Start Num: 39

Candidate Starts for Zeta1847_10:

(Start: 39 @7300 has 73 MA's), (133, 7444), (139, 7453),

Gene: Zhuangyuan_13 Start: 8659, Stop: 9102, Start Num: 43

Candidate Starts for Zhuangyuan_13:

(Start: 36 @8647 has 8 MA's), (Start: 38 @8650 has 7 MA's), (Start: 43 @8659 has 214 MA's), (72, 8710), (97, 8758), (209, 8929), (211, 8932), (249, 8995), (253, 9004), (272, 9034), (302, 9088),

Gene: Ziko_47 Start: 17448, Stop: 17828, Start Num: 51

Candidate Starts for Ziko_47:

(Start: 51 @17448 has 19 MA's), (72, 17487), (Start: 83 @17511 has 1 MA's), (131, 17568), (168, 17625), (198, 17673), (231, 17727),

Gene: Zixiang_12 Start: 8281, Stop: 8721, Start Num: 43

Candidate Starts for Zixiang_12:

(Start: 43 @8281 has 214 MA's), (92, 8371), (96, 8377), (119, 8413), (132, 8431), (134, 8434), (158, 8473), (218, 8566), (236, 8593), (249, 8617), (272, 8653), (296, 8689),

Gene: ZoMa_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for ZoMa_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: ZoeJ_13 Start: 7910, Stop: 8329, Start Num: 45

Candidate Starts for ZoeJ_13:

(Start: 45 @7910 has 21 MA's), (Start: 51 @7919 has 19 MA's), (Start: 62 @7940 has 7 MA's), (148, 8069), (166, 8096), (183, 8120), (188, 8126), (223, 8183), (248, 8204), (281, 8261), (290, 8276), (297, 8288),

Gene: Zombie_12 Start: 9414, Stop: 9857, Start Num: 28

Candidate Starts for Zombie_12:

(4, 9222), (Start: 28 @9414 has 80 MA's), (Start: 47 @9429 has 9 MA's), (Start: 56 @9444 has 1 MA's), (74, 9477), (93, 9507), (127, 9552), (131, 9558), (250, 9729),

Gene: Zorro_14 Start: 10377, Stop: 10790, Start Num: 34

Candidate Starts for Zorro_14:

(Start: 34 @10377 has 76 MA's), (127, 10512), (137, 10527), (164, 10572), (194, 10614), (263, 10731),

Gene: phiCAM_15 Start: 11402, Stop: 11905, Start Num: 20

Candidate Starts for phiCAM_15:

(Start: 20 @11402 has 111 MA's), (29, 11441), (Start: 57 @11471 has 67 MA's), (142, 11612), (304, 11894),

Gene: phiHau3_16 Start: 9695, Stop: 10198, Start Num: 20

Candidate Starts for phiHau3_16:

(Start: 20 @9695 has 111 MA's), (140, 9902), (144, 9908), (182, 9968), (227, 10043), (273, 10121),