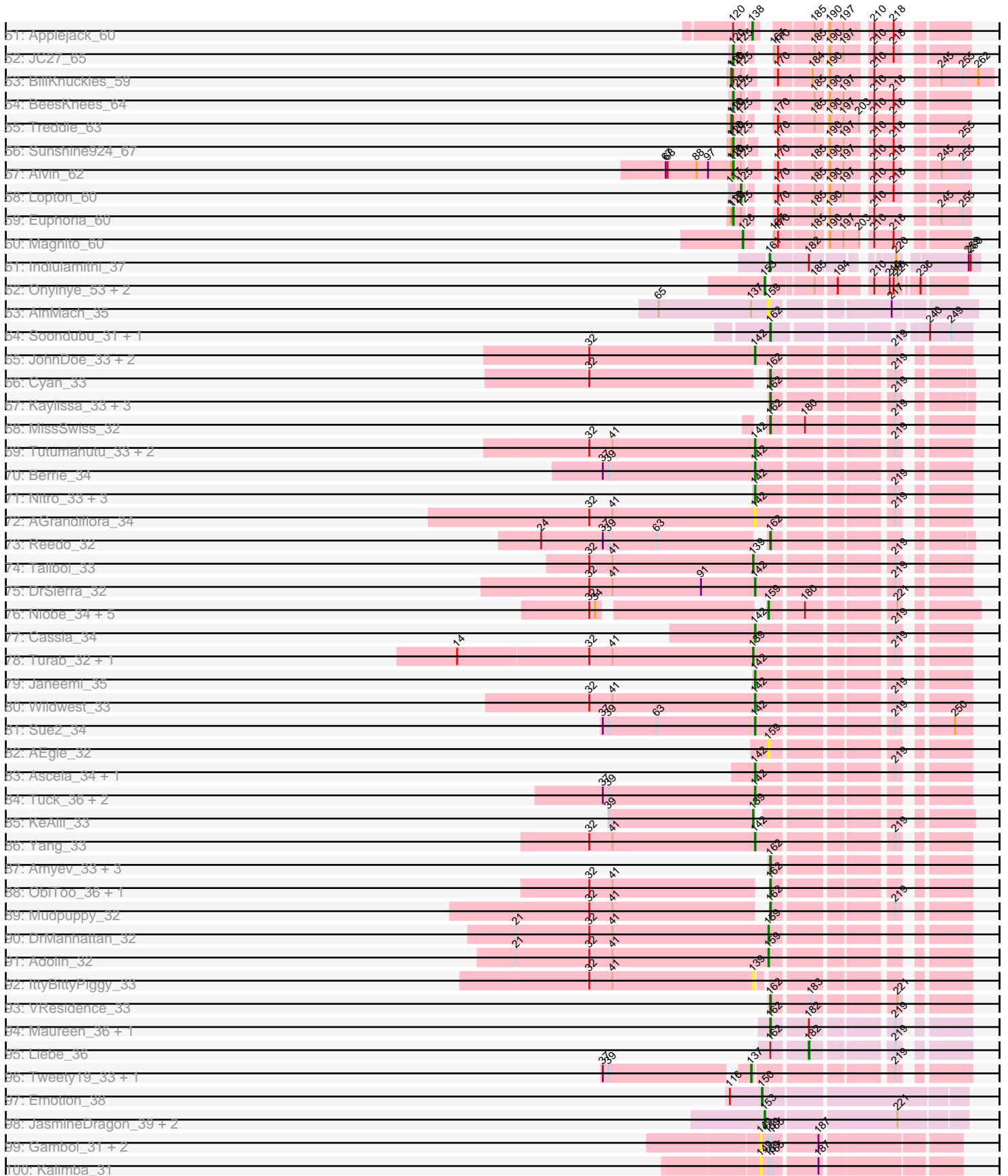
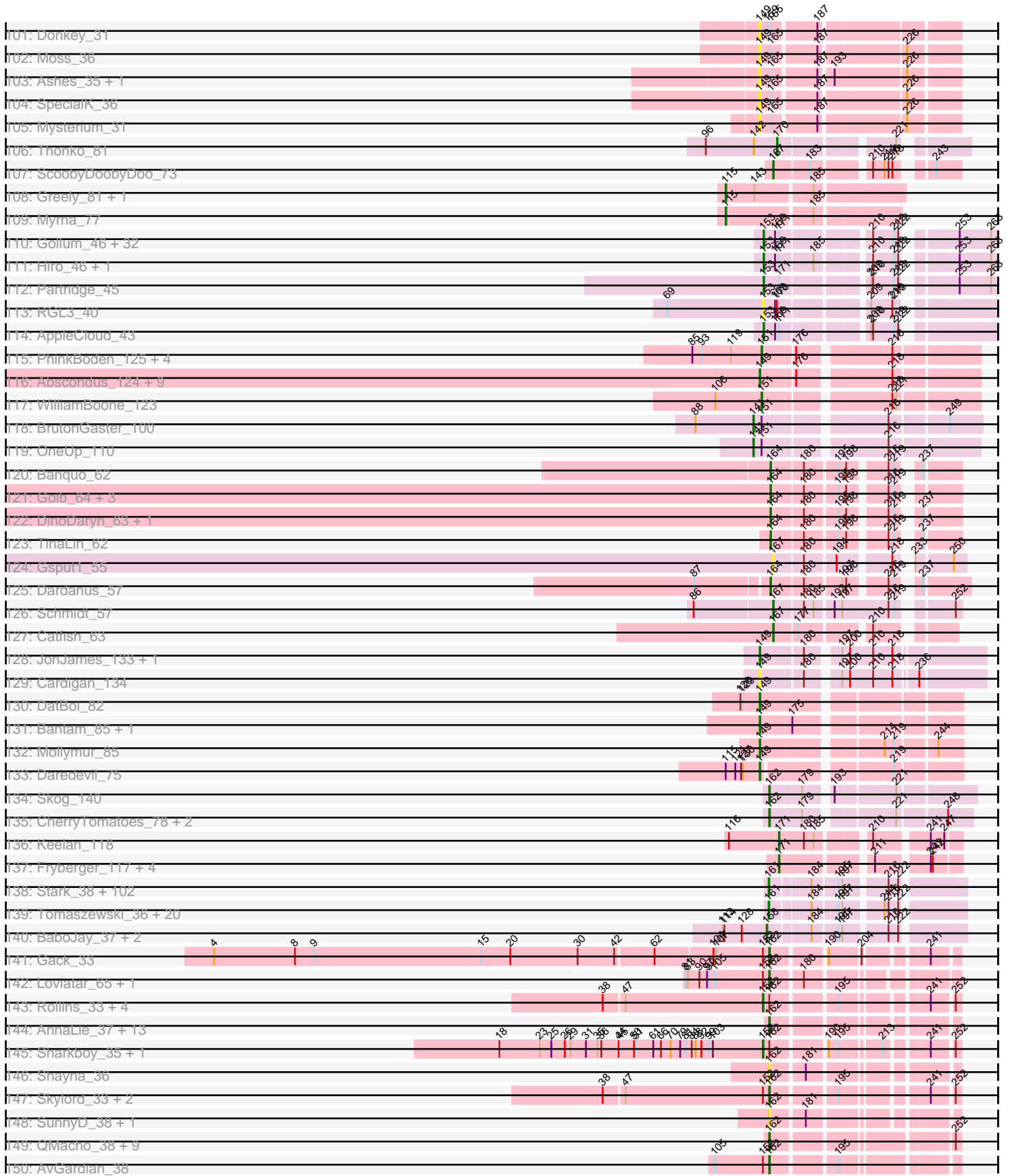


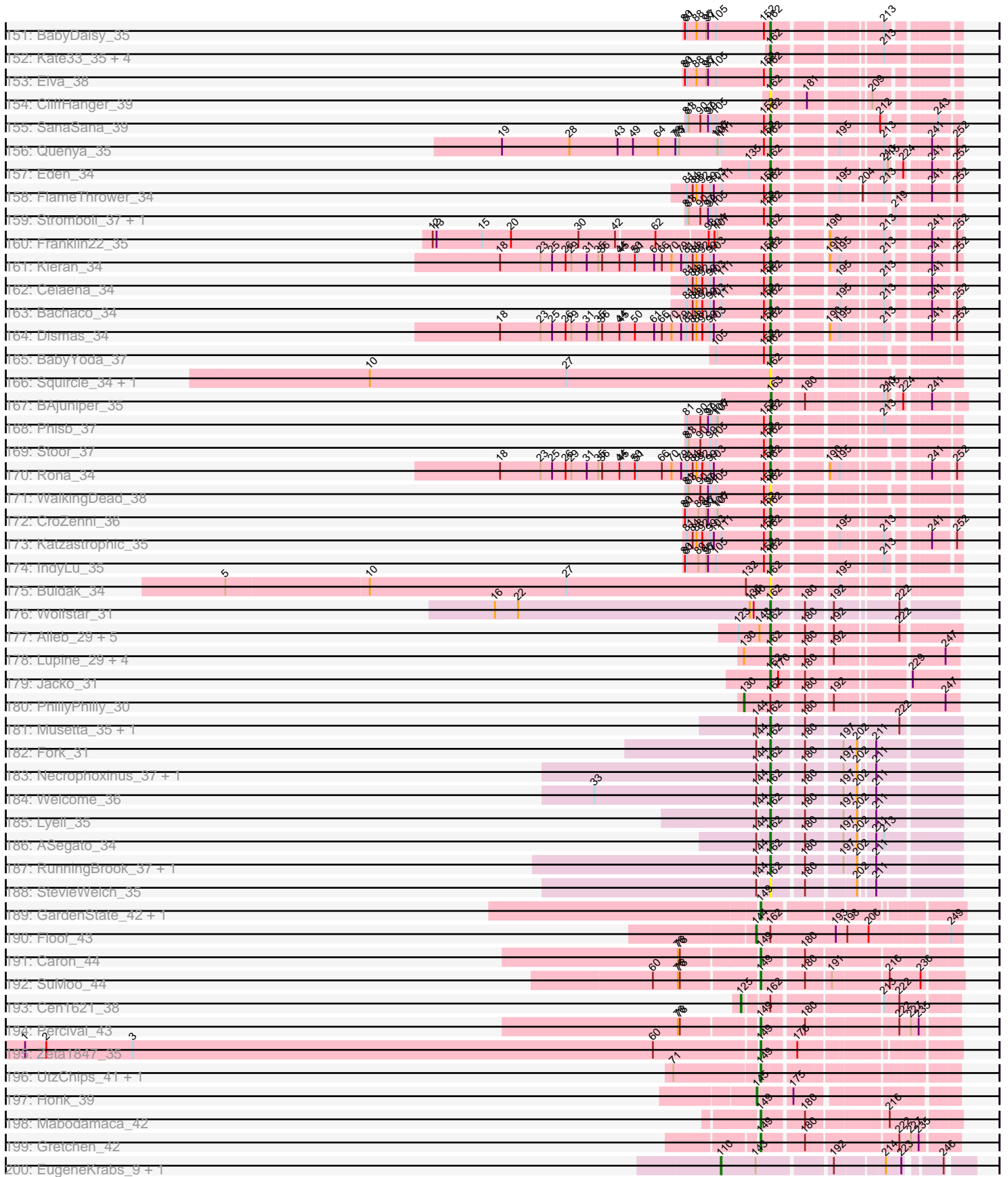
Pham 193608



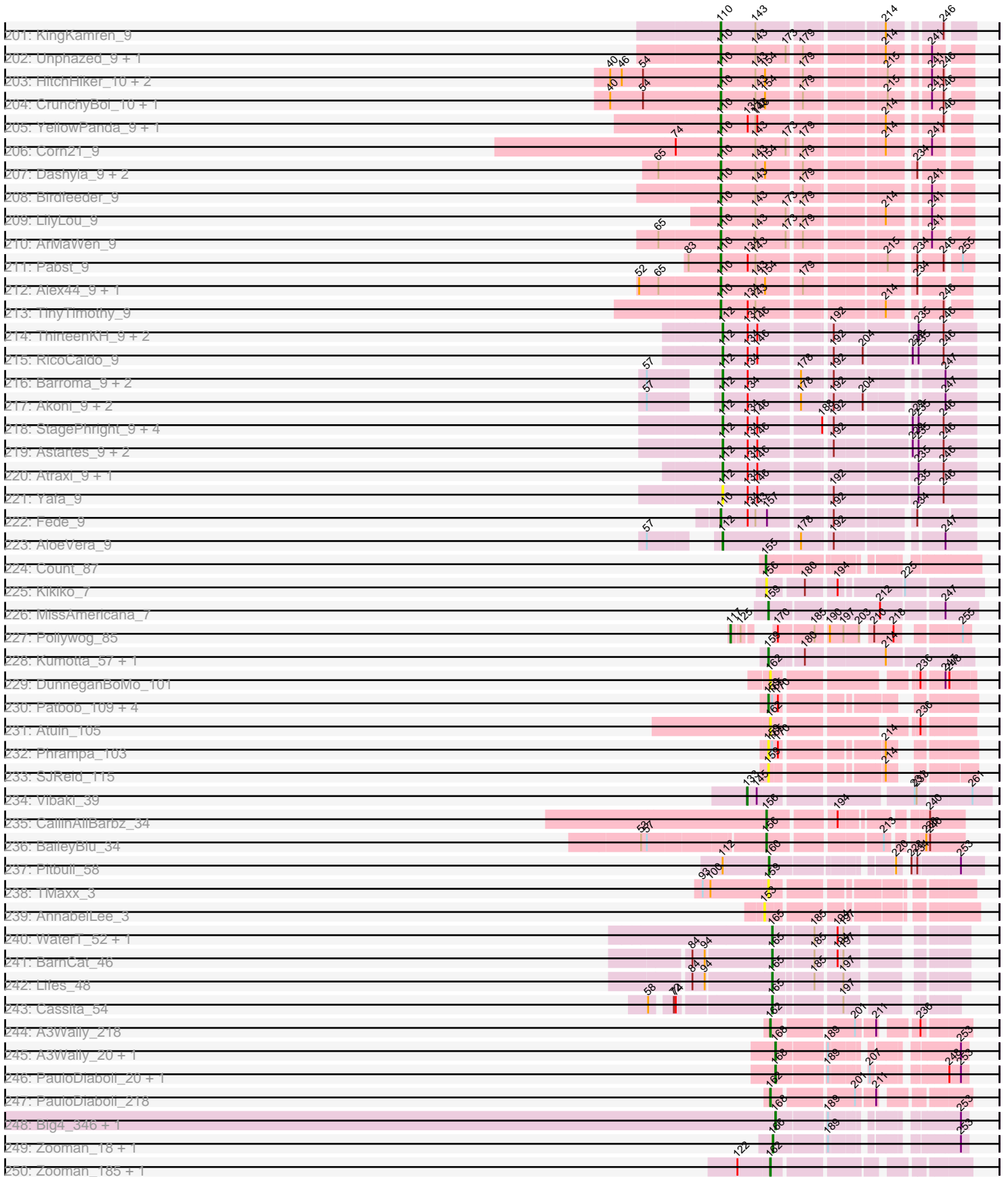
Pham 193608



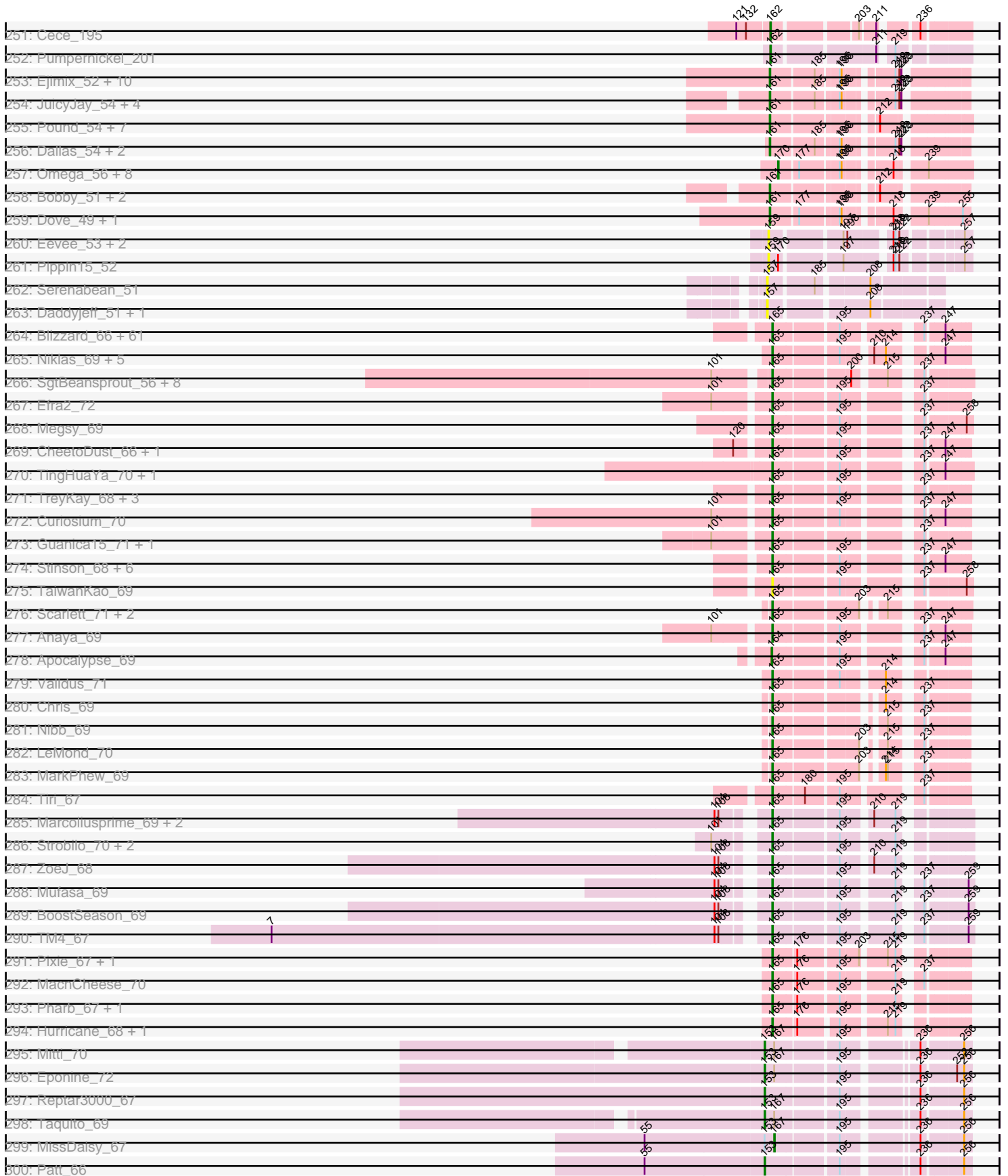
Pham 193608



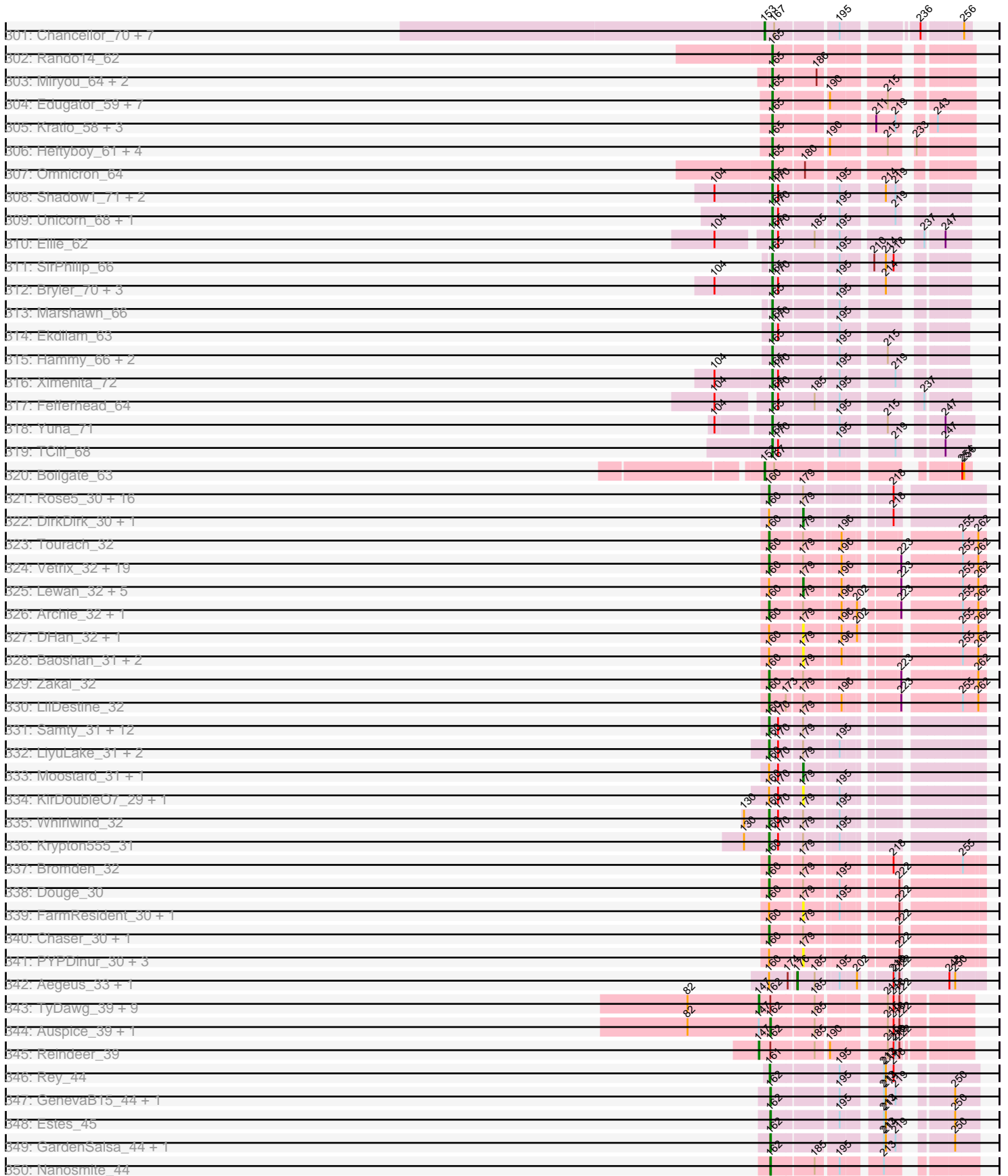
Pham 193608



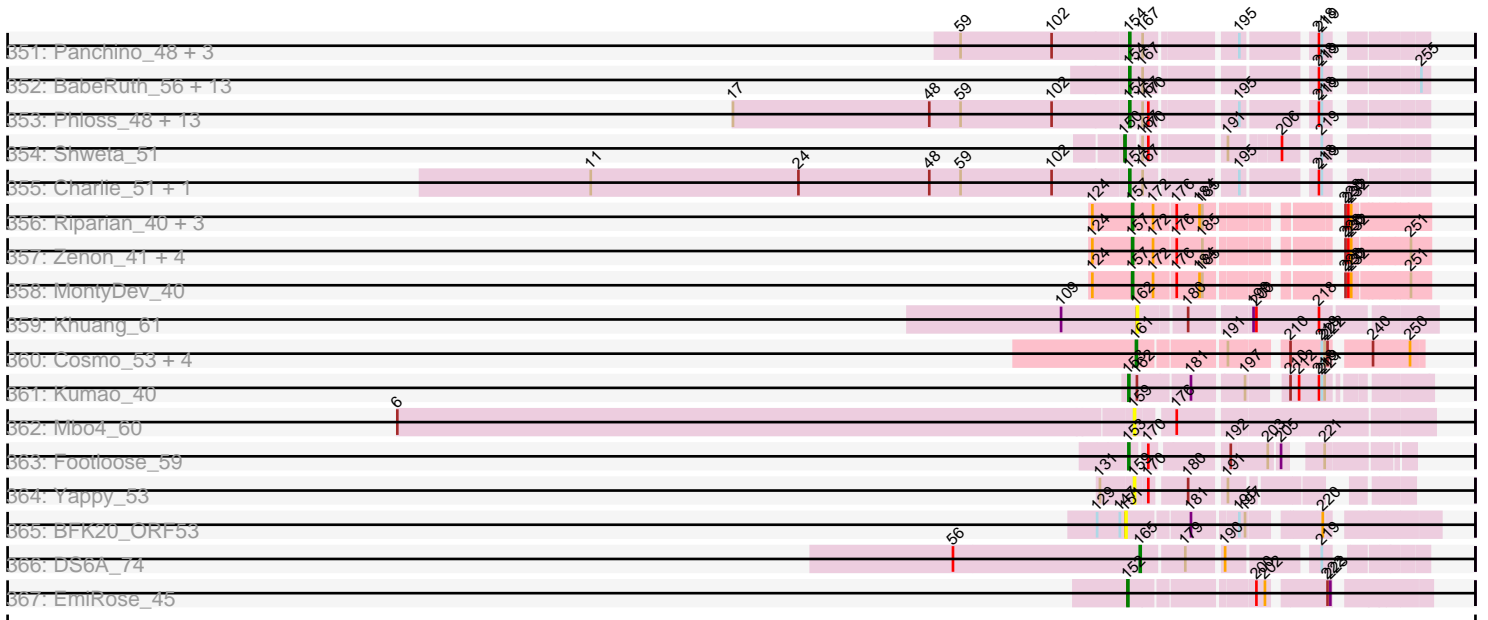
Pham 193608



Pham 193608



Pham 193608



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 193608 Report

This analysis was run 11/02/24 on database version 579.

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 193608 has 1063 members, 117 are drafts.

Phages represented in each track:

- Track 1 : Gompeii16_61, Bircsak_61, Agaliana_56, Francis47_60
- Track 2 : GrecoEtereo_61, Sagefire_64, Marge_59, Hami1_57, Ashballer_65, QTRLifeCrisis_62, Tote_58, A6_54, ConceptII_64, Gandalf20_64, BK1_54, Smairt_64, Abbysshoes_63, BigPaolini_59, PascalRango_60, Dussy_62, Chanagan_56, CactusRose_62, Perseus_61, Mule_59, Nerujay_64, Violet_60, JuliaChild_63, Doom_60, LilBib_62, Edtherson_61, PSullivan_60, Licorice_63, BaconJack_66, Rajelicia_62, Hermia_60, Bigfoot_54, Norz_62, Ciao_60, Swole_61
- Track 3 : Ohno789_62, Dreamboat_63, PherrisBueller_61, Jasper_62
- Track 4 : Homines_54, SpikeBT_60, Burton_63, MaryBeth_60, Jerm2_64, Corvo_63, Bxb1_56, MrGordo_64, PinkPlastic_62, GageAP_63, Alsfro_68, Petruccio_62, Niza_64, NEHalo_59, Graduation_66, Barriga_65, MetalQZJ_59, Froghopper_60, Big3_63, Ajay_62, Ichabod_66, Target_64, AFIS_58, Dexes_62, Pelly_63, Hope4ever_63, Jorgensen_65, Solon_61
- Track 5 : Monet_65, Marchy_56, Payneful_60
- Track 6 : Peterson_66, Lesedi_58
- Track 7 : Gwendoluna_65
- Track 8 : KyMonks1A_65, Sorpresa_59, Sandaddy_58, Tripl3t_65, Magnar_60
- Track 9 : Buttons_59, Kenmech_65, KSSJEB_62, Papez_64, Pita2_63, PattyP_64, Fushigi_58, Aeneas_65, Fascinus_56, PhrostyMug_62, Pippin_62
- Track 10 : Scowl_63, KBG_63
- Track 11 : Fajezeel_63, Acme_64, Greg_63, Lamina13_66
- Track 12 : Beatrix_61
- Track 13 : Sumter_58, Thor_61, Pari_65
- Track 14 : Eyeball_64
- Track 15 : StrongArm_60, Bexan_59
- Track 16 : STLscum_70, Ringer_62
- Track 17 : Zeuska_67
- Track 18 : Trouble_63
- Track 19 : Paraselene_60, Inyanga_57
- Track 20 : SarFire_61, Bethlehem_61
- Track 21 : Pepe_60
- Track 22 : Naira_64, Fenn_64
- Track 23 : Arcanine_64, Slagathor_64, TwoPeat_63

- Track 24 : Dulcie_62, Ruotula_64, DrFeelGood_58, Traft412_64
- Track 25 : StewieG_57
- Track 26 : Rutherford_64, Rhynn_60
- Track 27 : Gyzlar_57, Rubeus_60
- Track 28 : Rufus_63, Atkinbua_64, Makemake_64, Pinto_62
- Track 29 : Abrogate_610
- Track 30 : BPBiebs31_64
- Track 31 : Wheeler_64, Michley_65
- Track 32 : Marsha_61
- Track 33 : Oogway_61
- Track 34 : TheloniousMonk_65
- Track 35 : Mryolo_58
- Track 36 : Marcell_58
- Track 37 : ILeeKay_64, ShortQueendom_54, Kanely_63, Altman_64, Snazzy_60
- Track 38 : Dynamix_64
- Track 39 : Teodoridan_60, Smeagol_64
- Track 40 : DD5_60, Lockley_59
- Track 41 : Mkhuseleli_58
- Track 42 : Kugel_64
- Track 43 : Sanya_57
- Track 44 : Blue_61
- Track 45 : Squee_63
- Track 46 : Anglerfish_62, Manatee_62
- Track 47 : Turj99_60
- Track 48 : RidgeCB_61
- Track 49 : Carlyle_62
- Track 50 : Maroc7_59
- Track 51 : Applejack_60
- Track 52 : JC27_65
- Track 53 : BillKnuckles_59
- Track 54 : BeesKnees_64
- Track 55 : Treddle_63
- Track 56 : Sunshine924_67
- Track 57 : Alvin_62
- Track 58 : Lopton_60
- Track 59 : Euphoria_60
- Track 60 : Magnito_60
- Track 61 : Indulamithi_37
- Track 62 : Onyinye_53, Aikoy_52, Leopard_52
- Track 63 : AinMach_35
- Track 64 : Soondubu_31, Exile_31
- Track 65 : JohnDoe_33, Joemato_33, Simpson_35
- Track 66 : Cyan_33
- Track 67 : Kaylissa_33, JuneStar_33, YesChef_33, Powerpuff_35
- Track 68 : MissSwiss_32
- Track 69 : Tutumahutu_33, Warda_33, Tbone_32
- Track 70 : Berrie_34
- Track 71 : Nitro_33, Pumpkins_33, TforTroy_34, Lizalica_32
- Track 72 : AGrandiflora_34
- Track 73 : Reedo_32
- Track 74 : Tallboi_33
- Track 75 : DrSierra_32
- Track 76 : Niobe_34, Eraser_34, Jstan_36, Elezi_34, Asa16_34, London_34

- Track 77 : Cassia_34
- Track 78 : Turab_32, Adumb2043_32
- Track 79 : Janeemi_35
- Track 80 : Wildwest_33
- Track 81 : Sue2_34
- Track 82 : AEgle_32
- Track 83 : Ascela_34, Iter_34
- Track 84 : Tuck_36, Phives_35, Community_34
- Track 85 : KeAlii_33
- Track 86 : Yang_33
- Track 87 : Amyev_33, Lego_33, Tian_33, Pixelle_33
- Track 88 : ObiToo_36, Crewmate_37
- Track 89 : Mudpuppy_32
- Track 90 : DrManhattan_32
- Track 91 : Adolin_32
- Track 92 : IttyBittyPiggy_33
- Track 93 : VResidence_33
- Track 94 : Maureen_36, MaGuCo_34
- Track 95 : Liebe_36
- Track 96 : Tweety19_33, Snek_33
- Track 97 : Emotion_38
- Track 98 : JasmineDragon_39, ShakeltOph_41, MiniMommy_41
- Track 99 : Gambol_31, Cappuccino_31, Sooty_31
- Track 100 : Kalimba_31
- Track 101 : Donkey_31
- Track 102 : Moss_36
- Track 103 : Ashes_35, Halsey_39
- Track 104 : SpecialK_36
- Track 105 : Mysterium_31
- Track 106 : Thonko_81
- Track 107 : ScoobyDoobyDoo_73
- Track 108 : Greely_81, Phabba_83
- Track 109 : Myrna_77
- Track 110 : Gollum_46, Rasputin_46, BobbyDazzler_46, Lillie_46, Dinger_45, Jester_45, Yoncess_45, Shuman_46, RexFury_45, Takoda_46, Nancinator_46, Rhodalysa_46, Yogi_45, StCroix_45, Espica_46, Bradshaw_46, Swann_46, UhSalsa_46, Erik_46, Natosaleda_45, Naiad_45, CosmicSans_46, Belenaria_46, Harlequin_45, RER2_39, TWAMP_46, Phrankenstein_46, Bryce_45, Krishelle_46, Alpacados_45, AngryOrchard_44, Alatin_45, Bonanza_46
- Track 111 : Hiro_46, PhailMary_45
- Track 112 : Partridge_45
- Track 113 : RGL3_40
- Track 114 : AppleCloud_43
- Track 115 : PhinkBoden_125, Bachita_128, Toniann_125, Cucurbita_126, Engineer_127
- Track 116 : Abscondus_124, Miskis_124, Geeche_123, Culver_125, Dusty_121, Aphelion_125, Norvs_124, ClubL_125, Lozinak_125, Smoothie_126
- Track 117 : WilliamBoone_123
- Track 118 : BrutonGaster_100
- Track 119 : OneUp_110
- Track 120 : Banquo_62
- Track 121 : Goib_64, Splinter_63, TZGordon_64, Vendetta_63
- Track 122 : DinoDaryn_63, Huffy_63

- Track 123 : TinaLin_62
- Track 124 : Gsput1_55
- Track 125 : Dardanus_57
- Track 126 : Schmidt_57
- Track 127 : Catfish_63
- Track 128 : JonJames_133, Yvonnetastic_129
- Track 129 : Cardigan_134
- Track 130 : DatBoi_82
- Track 131 : Bantam_85, SpeedDemon_860
- Track 132 : Mollymur_85
- Track 133 : Daredevil_75
- Track 134 : Skog_140
- Track 135 : CherryTomatoes_78, SCentae_76, Pupper_77
- Track 136 : Keelan_118
- Track 137 : Fryberger_117, Ronaldo_118, Ziko_119, Guey18_121, Volt_121
- Track 138 : Stark_38, Elph10_38, Maxxinsta_38, Moldemort_38, Emmina_38, Gage_39, HufflyPuff_36, Petra64142_39, FireRed_37, Hopey_39, Rakim_38, Paperbeatsrock_39, NelitzaMV_37, Czyszczon1_38, StellaBean_37, BugsBunny_35, Policronamos_38, Kostya_38, Kanye_39, Adnama_40, TeardropMSU_36, Thresher_38, GoldenSpark_39, Sassay_36, Tarkin_39, 244_39, HanKaySha_38, Argent26_39, MISSy_36, Nimrod_37, MadamMonkfish_37, BilboSwaggins_37, Myrale_37, Manda_38, Dumbo_37, YassJohnny_38, SophKB_37, GooberAzure_39, Command613_38, Teaspoon_38, Miniwave_37, PhatBacter_37, JeTaime_39, Icee_36, MPhalcon_36, Buck_36, CrystalP_37, Kimchi_39, Asriel_36, Saints25_38, StolenFromERC_39, Bask21_37, Stank_40, Cactus_38, Tuco_38, Qualification_38, Palpatine_37, Hoonter_39, Traaww1_35, Lilac_39, Filch_38, Barbarian_36, Toto_37, Sotrice96_37, RiverMonster_37, Terminus_37, AmericanBeauty_39, Goldilocks_38, Murphy_38, NoSleep_38, Bench_39, Gator_35, Phrux_37, Simpliphy_38, Elite2014_36, Misfit_37, Wiggin_40, Pumpkin_39, Lilizi_39, Ukulele_37, ChosenOne_37, ABCat_36, Bruin_37, Xandras_39, Willez_36, DrDrey_38, Gemini_40, Cjw1_37, Nala_37, Marshmallow_37, ShamWow_37, Porky_37, TBrady12_39, Lilpickle_36, Highbury_38, xkcd_38, OrionPax_38, Inca_36, Rimmer_36, Phaux_36, Pharsalus_38, Murica_36, Easy2Say_39
- Track 139 : Tomaszewski_36, SirDuracell_36, Harella_36, Glexan_35, ChotaBhai_37, Daikon_36, Youngblood_37, Cookies_37, Balomoji_36, BadStone_36, Contagion_36, Mindy_37, Flypotenuse_35, Mosby_36, Amao_37, BigBubba_38, Pat3_36, DoctorDiddles_37, Holt_38, Dusk_36, Henry_38
- Track 140 : BaboJay_37, Eureka_38, Goku_38
- Track 141 : Gack_33
- Track 142 : Loviatar_65, Icarian_39
- Track 143 : Rollins_33, Brahms_33, Armstrong_33, Bernstein_33, Coltrane_33
- Track 144 : AnnaLie_37, Albright_34, Burritobowl_36, LimaBean_35, Abigail_35, Finalfrontier_36, Arroyo_37, Avocadoman_35, Doobus_35, BelmontSKP_37, BubbaBear_35, SansAfet_37, Johnathan_35, DickRichards_35
- Track 145 : Sharkboy_35, ChiliPepper_33
- Track 146 : Shayna_36
- Track 147 : Skylord_33, Vitas_33, Clayda5_34
- Track 148 : SunnyD_38, Teagster_39
- Track 149 : QMacho_38, Albedo_36, Nicky22_37, SarBear_36, Jovita_37, Slay_37, Swervy_37, Lynlen_36, Kenzers_36, Eula_37
- Track 150 : AvGardian_38
- Track 151 : BabyDaisy_35

- Track 152 : Kate33_35, Didgeridoo_38, Lahqtemish_35, TukTuk_37, Cashington_34
- Track 153 : Elva_38
- Track 154 : CliffHanger_39
- Track 155 : SanaSana_39
- Track 156 : Quenya_35
- Track 157 : Eden_34
- Track 158 : FlameThrower_34
- Track 159 : Stromboli_37, DirtyBubble_36
- Track 160 : Franklin22_35
- Track 161 : Kieran_34
- Track 162 : Celaena_34
- Track 163 : Bachaco_34
- Track 164 : Dismas_34
- Track 165 : BabyYoda_37
- Track 166 : Squirrel_34, Olliecat_34
- Track 167 : BAjuniper_35
- Track 168 : Phisb_37
- Track 169 : Stoor_37
- Track 170 : Rona_34
- Track 171 : WalkingDead_38
- Track 172 : CroZenni_36
- Track 173 : Katzastrophic_35
- Track 174 : IndyLu_35
- Track 175 : Buldak_34
- Track 176 : Wolfstar_31
- Track 177 : Alleb_29, Pioneer3_28, Platte_28, Hortus1_28, Tandem_28, OlinDD_28
- Track 178 : Lupine_29, Hubbs_30, DejaVu_31, Pavlo_29, Roman_30
- Track 179 : Jacko_31
- Track 180 : PhillyPhilly_30
- Track 181 : Musetta_35, Yuma_34
- Track 182 : Fork_31
- Track 183 : Necrophoxinus_37, Erenyeager_35
- Track 184 : Welcome_36
- Track 185 : Lyell_35
- Track 186 : ASegato_34
- Track 187 : RunningBrook_37, DustyDino_38
- Track 188 : StevieWelch_35
- Track 189 : GardenState_42, IAmGroot_42
- Track 190 : Floof_43
- Track 191 : Caron_44
- Track 192 : SuMoo_44
- Track 193 : Cen1621_38
- Track 194 : Percival_43
- Track 195 : Zeta1847_35
- Track 196 : UtzChips_41, Barnstormer_41
- Track 197 : Honk_39
- Track 198 : Mabodamaca_42
- Track 199 : Gretchen_42
- Track 200 : EugeneKrabs_9, Zhengyi_9
- Track 201 : KingKamren_9
- Track 202 : Unphazed_9, DumpQuist_9
- Track 203 : HitchHiker_10, Oatly_9, Biozilla_9

- Track 204 : CrunchyBoi_10, PineapplePluto_10
- Track 205 : YellowPanda_9, Wesak_9
- Track 206 : Corn21_9
- Track 207 : Dashyla_9, Phogo_9, Xitlalli_9
- Track 208 : Birdfeeder_9
- Track 209 : LilyLou_9
- Track 210 : ArMaWen_9
- Track 211 : Pabst_9
- Track 212 : Alex44_9, Stormbreaker_9
- Track 213 : TinyTimothy_9
- Track 214 : ThirteenKH_9, TrippleS_9, Mazun_9
- Track 215 : RicoCaldo_9
- Track 216 : Barroma_9, Truong_9, JordanFarm_9
- Track 217 : Akoni_9, Ashton_9, Waterlily_9
- Track 218 : StagePhright_9, Fullmetal_9, Phractured_9, Phedro_9, Pharky_9
- Track 219 : Astartes_9, PhriedRice_9, Moleficent_9
- Track 220 : Atraxi_9, Morrill_9
- Track 221 : Yafa_9
- Track 222 : Fede_9
- Track 223 : AloeVera_9
- Track 224 : Count_87
- Track 225 : Kikiko_7
- Track 226 : MissAmericana_7
- Track 227 : Pollywog_85
- Track 228 : Kumotta_57, MargaretKali_53
- Track 229 : DunneganBoMo_101
- Track 230 : Patbob_109, Talia1610_108, Mimi_114, Racecar_109, Bloom_112
- Track 231 : Atuin_105
- Track 232 : Phrampa_103
- Track 233 : SJReid_115
- Track 234 : Vibaki_39
- Track 235 : CallinAllBarbz_34
- Track 236 : BaileyBlu_34
- Track 237 : Pitbull_58
- Track 238 : TMaxx_3
- Track 239 : AnnabelLee_3
- Track 240 : WaterT_52, LeeroyJenkins_54
- Track 241 : BarnCat_46
- Track 242 : Lifes_48
- Track 243 : Cassita_54
- Track 244 : A3Wally_218
- Track 245 : A3Wally_20, A3Wally_373
- Track 246 : PauloDiaboli_20, PauloDiaboli_375
- Track 247 : PauloDiaboli_218
- Track 248 : Big4_346, Big4_20
- Track 249 : Zooman_18, Zooman_331
- Track 250 : Zooman_185, Big4_204
- Track 251 : Cece_195
- Track 252 : Pumpnickel_201
- Track 253 : Ejimix_52, Halley_52, HokkenD_45, Beem_52, Bagrid_51, Yeet_50, EricMillard_52, ThreeRngTarjay_50, Kalah2_52, Hughesyang_50, BAKA_56
- Track 254 : JuicyJay_54, Klein_52, DmpstrDiver_53, Schatzie_49, Odette_52

- Track 255 : Pound_54, Minerva_58, Bombitas_49, Wanda_58, NihilNomen_51, Duke13_55, Optimus_57, Phoebus_51
- Track 256 : Dallas_54, Redno2_50, Zelink_53
- Track 257 : Omega_56, Ariel_51, Lucky2013_51, LittleE_56, Porcelain_50, Courthouse_51, Thibault_45, MiaZeal_51, Superphikiman_51
- Track 258 : Bobby_51, Hannaconda_48, KashFlow_45
- Track 259 : Dove_49, Constella_44
- Track 260 : Eevee_53, JoyLin_53, Yotsuba_52
- Track 261 : Pippin15_52
- Track 262 : Serenabean_51
- Track 263 : Daddyjeff_51, AddiRose_51
- Track 264 : Blizzard_66, CaseJules_68, DrHayes_67, Tachez_66, Ramen_67, Homura_66, Spock_66, Rosmarinus_66, ShiaSurprise_67, Lunahalos_66, ActinUp_66, Joy99_66, Zavala_69, Peel_66, Belladonna_66, Padfoot_66, Angelica_66, Jayhawk_68, Padpat_69, Deby_67, Jeckyll_66, HedwigODU_66, Veliki_68, YoureAdopted_66, Hyperbowlee_66, BGlluviae_66, Inky_66, TiniBug_67, Llorens_66, Zabiza_61, Rapunzel97_68, Boiiii_66, Piatt_66, Beezoo_68, Emerson_68, Mynx_68, Asayake_66, Ganymede_66, AlishaPH_66, BEEST_66, Geraldini_69, Twitch_66, Jarvi_66, Pokerus_66, Adephagia_66, Urkel_67, TruffulaTree_67, BarrelRoll_67, Bella96_67, CREW_66, JAWS_67, Atiba_67, QuincyRose_64, Capricorn_66, Durfee_66, Dalmuri_66, Sulley_66, SamuelLPlaqson_67, Slimphazie_67, MeaningOfLife_67, Adonis_66, Topper_66
- Track 265 : Niklas_69, Dartin_69, Shaobing_69, McMater_69, Peanam_69, Richo_69
- Track 266 : SgtBeansprout_56, Enkosi_57, Amelie_55, Nutello_55, Binglebops_55, Mdavu_56, LilPharaoh_56, Torres_57, Nikao_58
- Track 267 : Efra2_72
- Track 268 : Megsy_69
- Track 269 : CheetoDust_66, BaghaKamala_66
- Track 270 : TingHuaYa_70, LastHope_71
- Track 271 : TreyKay_68, LindNT_66, CrimD_68, Prithvi_68
- Track 272 : Curiosium_70
- Track 273 : Guanica15_71, Yunkel11_71
- Track 274 : Stinson_68, Devera_74, Murucutumbu_68, LaterM_67, Illumine_72, Ageofdapage_70, Dole_72
- Track 275 : TaiwanKao_69
- Track 276 : Scarlett_71, KiSi_71, Oscar_70
- Track 277 : Anaya_69
- Track 278 : Apocalypse_69
- Track 279 : Validus_71
- Track 280 : Chris_69
- Track 281 : Nibb_69
- Track 282 : LeMond_70
- Track 283 : MarkPhew_69
- Track 284 : Tiri_67
- Track 285 : Marcoliusprime_69, DismalStressor_69, DismalFunk_69
- Track 286 : Strobilo_70, Milly_69, Findley_69
- Track 287 : ZoeJ_68
- Track 288 : Mufasa_69
- Track 289 : BoostSeason_69
- Track 290 : TM4_67
- Track 291 : Pixie_67, TBond007_64
- Track 292 : MacnCheese_70

- Track 293 : Pharb_67, TribbleTrouble_68
- Track 294 : Hurricane_68, ShedlockHolmes_69
- Track 295 : Mitti_70
- Track 296 : Eponine_72
- Track 297 : Reptar3000_67
- Track 298 : Taquito_69
- Track 299 : MissDaisy_67
- Track 300 : Patt_66
- Track 301 : Chancellor_70, Cheetobro_70, Wintermute_70, Malthus_71, Fionnbharth_70, SamScheppers_68, Juliette_72, Slarp_70
- Track 302 : Rando14_62
- Track 303 : Miryou_64, OkiRoe_61, Gengar_60
- Track 304 : Edugator_59, Paola_60, Leston_60, Dadosky_62, Psycho_60, Guillsminger_61, AlleyCat_62, Larva_61
- Track 305 : Kratio_58, Agent47_60, InvictusManeo_58, Collard_58
- Track 306 : Heftyboy_61, SoSeph_61, Feyre_63, Thyatira_63, Waterfoul_62
- Track 307 : Omnicron_64
- Track 308 : Shadow1_71, Sunflower1121_72, Syra333_70
- Track 309 : Unicorn_68, PhelpsODU_68
- Track 310 : Ellie_62
- Track 311 : SirPhilip_66
- Track 312 : Bryler_70, Tierra_70, Cain_70, Phrank_70
- Track 313 : Marshawn_66
- Track 314 : Ekdilam_63
- Track 315 : Hammy_66, Amohnition_66, DARTH_P_66
- Track 316 : Ximenita_72
- Track 317 : Fefferhead_64
- Track 318 : Yuna_71
- Track 319 : TClif_68
- Track 320 : Boilgate_63
- Track 321 : Rose5_30, Acquire49_30, Enceladus_30, OhShagHennessy_30, Calm_30, CicholasNage_30, Zaria_30, Wamburggrxpress_30, JoeDirt_30, LeBron_30, Halena_30, MAckerman_30, Appletree2_30, Wyatt2_30, AvadaKedavra_30, UPIE_30, Silverleaf_30
- Track 322 : DirkDirk_30, Tyson_30
- Track 323 : Tourach_32
- Track 324 : Vetric_32, Gardann_32, Winky_32, Crossroads_32, Faith1_32, Gabriela_32, DrSeegs_32, Finemlucis_32, Breezona_32, MkaliMitinis3_32, Itos_32, Netyap_32, Wilder_32, Loadrie_32, BigCheese_32, BobsGarage_32, GuuelaD_32, Miley16_32, Wigglewiggle_32, Nicholasp3_32
- Track 325 : Lewan_32, Rumpelstiltskin_32, Soap141_32, Sarshaun_32, Kahlid_32, Hafay_32
- Track 326 : Archie_32, Bazzle_32
- Track 327 : DHan_32, Claus_32
- Track 328 : Baoshan_31, ZhongYanYuan_31, DanBing_31
- Track 329 : Zakai_32
- Track 330 : LilDestine_32
- Track 331 : Samty_31, Clautastrophe_31, Jubie_31, Kingsolomon_31, Nicholas_31, Lumos_31, MiniLon_31, MiniMac_31, Snenia_31, Finnry_31, MsGreen_31, Lolly9_31, Bellis_31
- Track 332 : LiyuLake_31, Ellson_31, DuncansLeg_31
- Track 333 : Moostard_31, Jobypre_31
- Track 334 : KirDoubleO7_29, BourbonZero_30

- Track 335 : Whirlwind_32
- Track 336 : Krypton555_31
- Track 337 : Bromden_32
- Track 338 : Douge_30
- Track 339 : FarmResident_30, Quby_30
- Track 340 : Chaser_30, DyoEdafos_31
- Track 341 : PYPDinur_30, BrainDrainer_31, Sheng711_30, Douzhi_30
- Track 342 : Aegeus_33, Baudelaire_33
- Track 343 : TyDawg_39, Skinny_40, LilhomieP_38, Diminimus_40, Glaske16_40, Bongo_39, Bricole_39, IPhone7_39, Dulcita_40, PegLeg_39
- Track 344 : Auspice_39, SlimJimmy_38
- Track 345 : Reindeer_39
- Track 346 : Rey_44
- Track 347 : GenevaB15_44, Aziz_44
- Track 348 : Estes_45
- Track 349 : GardenSalsa_44, MrMagoo_44
- Track 350 : Nanosmite_44
- Track 351 : Panchino_48, Butters_53, Rubeelu_53, Kevin1_52
- Track 352 : BabeRuth_56, ShrimpFriedEgg_55, Jamie19_49, Redi_55, Andies_48, PhancyPhin_55, SpongeBob_49, Phrann_52, Nенаe_55, Raymond7_49, Hanako_56, Purgamenstris_55, Tapioca_52, Snekmaggedon_49
- Track 353 : Phloss_48, Gex_50, Schnauzer_51, Magsby_50, Xerxes_50, Pipsqueaks_50, Duplicity_50, Carcharodon_50, Melville_53, Fulbright_49, Parmesanjohn_50, Smurph_50, Silvafighter_51, Chewbacca_52
- Track 354 : Shweta_51
- Track 355 : Charlie_51, Bosection6_51
- Track 356 : Riparian_40, Weiss13_40, Rope_40, Papyrus_40
- Track 357 : Zenon_41, Send513_40, Yelo_40, Candle_40, Nilo_41
- Track 358 : MontyDev_40
- Track 359 : Khuang_61
- Track 360 : Cosmo_53, Azrael100_52, EniyanLRS_50, MaryV_53, Wildcat_53
- Track 361 : Kumao_40
- Track 362 : Mbo4_60
- Track 363 : Footloose_59
- Track 364 : Yappy_53
- Track 365 : BFK20_ORF53
- Track 366 : DS6A_74
- Track 367 : EmiRose_45

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

The start number called the most often in the published annotations is 165, it was called in 167 of the 946 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ActinUp_66, Adephegia_66, Adonis_66, Agent47_60, Ageofdapage_70, AlishaPH_66, AlleyCat_62, Amelie_55, Amohnition_66, Anaya_69, Angelica_66, Asayake_66, Atiba_67, BEEST_66, BGlluviae_66, BaghaKamala_66, BarnCat_46, BarrelRoll_67, Beezoo_68, Bella96_67, Belladonna_66, Binglebops_55, Blizzard_66, Boiiii_66, BoostSeason_69, Bryler_70, CREW_66, Cain_70, Capricorn_66,

CaseJules_68, Cassita_54, CheetoDust_66, Chris_69, Collard_58, CrimD_68, Curiosium_70, DS6A_74, Dadosky_62, Dalmuri_66, DarthP_66, Dartin_69, Deby_67, Devera_74, DismalFunk_69, DismalStressor_69, Dole_72, DrHayes_67, Durfee_66, Edugator_59, Efra2_72, Ekdilam_63, Ellie_62, Emerson_68, Enkosi_57, Fefferhead_64, Feyre_63, Findley_69, Ganymede_66, Gengar_60, Geraldini_69, Guanica15_71, Guillsminger_61, Hammy_66, HedwigODU_66, Heftyboy_61, Homura_66, Hurricane_68, Hyperbowlee_66, Illumine_72, Inky_66, InvictusManeo_58, JAWS_67, Jarvi_66, Jayhawk_68, Jeckyll_66, Joy99_66, KiSi_71, Kratio_58, Larva_61, LastHope_71, LaterM_67, LeMond_70, LeeroyJenkins_54, Leston_60, Lifes_48, LilPharaoh_56, LindNT_66, Llorens_66, Lunahalos_66, MacnCheese_70, Marcoliusprime_69, MarkPhew_69, Marshawn_66, McMater_69, Mdavu_56, MeaningOfLife_67, Megsy_69, Milly_69, Miryou_64, Mufasa_69, Murucutumbu_68, Mynx_68, Nibb_69, Nikao_58, Niklas_69, Nutello_55, OkiRoe_61, Omnicon_64, Oscar_70, Padfoot_66, Padpat_69, Paola_60, Peanam_69, Peel_66, Pharb_67, PhelpsODU_68, Phrank_70, Piatt_66, Pixie_67, Pokerus_66, Prithvi_68, Psycho_60, QuincyRose_64, Ramen_67, Rando14_62, Rapunzel97_68, Richo_69, Rosmarinus_66, SamuelLPlaqson_67, Scarlett_71, SgtBeansprout_56, Shadow1_71, Shaobing_69, ShedlockHolmes_69, ShiaSurprise_67, SirPhilip_66, Slimphazie_67, SoSeph_61, Spock_66, Stinson_68, Strobilo_70, Sulley_66, Sunflower1121_72, Syra333_70, TBond007_64, TClif_68, TM4_67, Tachez_66, TaiwanKao_69, Thyatira_63, Tierra_70, TingHuaYa_70, TiniBug_67, Tiri_67, Topper_66, Torres_57, TreyKay_68, TripleTrouble_68, TruffulaTree_67, Twitch_66, Unicorn_68, Urkel_67, Validus_71, Veliki_68, WaterT_52, Waterfoul_62, Ximenita_72, YoureAdopted_66, Yuna_71, Yunkel11_71, Zabiza_61, Zavala_69, ZoeJ_68,

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

- Ashes_35, Bloom_112, Cappuccino_31, Donkey_31, Gambol_31, Halsey_39, Kalimba_31, Mimi_114, Moss_36, Mysterium_31, Patbob_109, Phrampa_103, Racecar_109, Sooty_31, SpecialK_36, Talia1610_108,

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

- 244_39, A3Wally_20, A3Wally_218, A3Wally_373, A6_54, ABCat_36, AEgle_32, AFIS_58, AGrandiflora_34, ASegato_34, Abbysshoes_63, Abigail_35, Abrogate_610, Abscondus_124, Acme_64, Acquire49_30, AddiRose_51, Adnama_40, Adolin_32, Adumb2043_32, Aegeus_33, Aeneas_65, Agaliana_56, Aikoy_52, AinMach_35, Ajay_62, Akoni_9, Alatin_45, Albedo_36, Albright_34, Alex44_9, Alleb_29, AloeVera_9, Alpacados_45, Alsfro_68, Altman_64, Alvin_62, Amao_37, AmericanBeauty_39, Amyev_33, Andies_48, Anglerfish_62, AngryOrchard_44, AnnaLie_37, AnnabelLee_3, Aphelion_125, Apocalypse_69, AppleCloud_43, Applejack_60, Appletree2_30, ArMaWen_9, Arcanine_64, Archie_32, Argent26_39, Ariel_51, Armstrong_33, Arroyo_37, Asa16_34, Ascela_34, Ashballer_65, Ashton_9, Asriel_36, Astartes_9, Atkinbua_64, Atraxi_9, Atuin_105, Auspice_39, AvGuardian_38, AvadaKedavra_30, Avocadoman_35, Aziz_44, Azrael100_52, BAKA_56, BAjuniper_35, BFK20_ORF53, BK1_54, BPBiobs31_64, BabeRuth_56, BaboJay_37, BabyDaisy_35, BabyYoda_37, Bachaco_34, Bachita_128, BaconJack_66, BadStone_36, Bagrid_51, BaileyBlu_34, Balomoji_36, Banquo_62, Bantam_85, Baoshan_31, Barbarian_36, Barnstormer_41, Barriga_65, Barroma_9, Bask21_37, Baudelaire_33, Bazzle_32, Beatrix_61, Beem_52, BeesKnees_64, Belenaria_46, Bellis_31, BelmontSKP_37, Bench_39, Bernstein_33, Berrie_34, Bethlehem_61, Bexan_59, Big3_63, Big4_20, Big4_204, Big4_346, BigBubba_38, BigCheese_32, BigPaolini_59, Bigfoot_54, BilboSwaggins_37, BillKnuckles_59, Biozilla_9, Bircsak_61, Birdfeeder_9, Blue_61, BobbyDazzler_46, Bobby_51, BobsGarage_32, Boilgate_63, Bombitas_49, Bonanza_46, Bongo_39, Bosection6_51,

BourbonZero_30, Bradshaw_46, Brahms_33, BrainDrainer_31, Breezona_32, Bricole_39, Bromden_32, Bruin_37, BrutonGaster_100, Bryce_45, BubbaBear_35, Buck_36, BugsBunny_35, Buldak_34, Burritobowl_36, Burton_63, Butters_53, Buttons_59, Bxb1_56, CactusRose_62, Cactus_38, CallinAllBarbz_34, Calm_30, Candle_40, Carcharodon_50, Cardigan_134, Carlyle_62, Caron_44, Cashington_34, Cassia_34, Catfish_63, Cece_195, Celaena_34, Cen1621_38, Chanagan_56, Chancellor_70, Charlie_51, Chaser_30, Cheetobro_70, CherryTomatoes_78, Chewbacca_52, ChiliPepper_33, ChosenOne_37, ChotaBhai_37, Ciao_60, CicholasNage_30, Cjw1_37, Claus_32, Clautastrophe_31, Clayda5_34, CliffHanger_39, ClubL_125, Coltrane_33, Command613_38, Community_34, ConceptII_64, Constella_44, Contagion_36, Cookies_37, Corn21_9, Corvo_63, CosmicSans_46, Cosmo_53, Count_87, Courthouse_51, Crewmate_37, CroZenni_36, Crossroads_32, CrunchyBoi_10, CrystalP_37, Cucurbita_126, Culver_125, Cyan_33, Czyszczo1_38, DD5_60, DHan_32, Daddyjeff_51, Daikon_36, Dallas_54, DanBing_31, Dardanus_57, Daredevil_75, Dashyla_9, DatBoi_82, DejaVu_31, Dexes_62, DickRichards_35, Didgeridoo_38, Diminimus_40, Dinger_45, DinoDaryn_63, DirkDirk_30, DirtyBubble_36, Dismas_34, DmpstrDiver_53, DoctorDiddles_37, Doobus_35, Doom_60, Douge_30, Douzhi_30, Dove_49, DrDrey_38, DrFeelGood_58, DrManhattan_32, DrSeegs_32, DrSierra_32, Dreamboat_63, Duke13_55, Dulcie_62, Dulcita_40, Dumbo_37, DumpQuist_9, DuncansLeg_31, DunneganBoMo_101, Duplicity_50, Dusk_36, Dussy_62, DustyDino_38, Dusty_121, Dynamix_64, DyoEdafos_31, Easy2Say_39, Eden_34, Edtherson_61, Eevee_53, Ejimix_52, Elezi_34, Elite2014_36, Ellson_31, Elph10_38, Elva_38, EmiRose_45, Emmina_38, Emotion_38, Enceladus_30, Engineer_127, EniyanLRS_50, Eponine_72, Eraser_34, Erenyeager_35, EricMillard_52, Erik_46, Espica_46, Estes_45, EugeneKrabs_9, Eula_37, Euphoria_60, Eureka_38, Exile_31, Eyeball_64, Faith1_32, Fajezeel_63, FarmResident_30, Fascinus_56, Fede_9, Fenn_64, Filch_38, Finalfrontier_36, Finemlucis_32, Finnry_31, Fionnbharth_70, FireRed_37, FlameThrower_34, Floof_43, Flypotenuse_35, Footloose_59, Fork_31, Francis47_60, Franklin22_35, Froghopper_60, Fryberger_117, Fulbright_49, Fullmetal_9, Fushigi_58, Gabriela_32, Gack_33, GageAP_63, Gage_39, Gandalf20_64, Gardann_32, GardenSalsa_44, GardenState_42, Gator_35, Geeche_123, Gemini_40, GenevaB15_44, Gex_50, Glaske16_40, Glexan_35, Goib_64, Goku_38, GoldenSpark_39, Goldilocks_38, Gollum_46, Gompeii16_61, GooberAzure_39, Graduation_66, GrecoEtereo_61, Greely_81, Greg_63, Gretchen_42, Gspu1_55, Guey18_121, GuuelaD_32, Gwendoluna_65, Gyzzlar_57, Hafay_32, Halena_30, Halley_52, Hami1_57, HanKaySha_38, Hanako_56, Hannaconda_48, Harella_36, Harlequin_45, Henry_38, Hermia_60, Highbury_38, Hiro_46, HitchHiker_10, HokkenD_45, Holt_38, Homines_54, Honk_39, Hoonter_39, Hope4ever_63, Hopey_39, Hortus1_28, Hubbs_30, HufflyPuff_36, Huffy_63, Hughesyang_50, IAmGroot_42, ILeeKay_64, IPhane7_39, Icarian_39, Icee_36, Ichabod_66, Inca_36, Indulamithi_37, IndyLu_35, Inyanga_57, Iter_34, Itos_32, IttyBittyPiggy_33, JC27_65, Jacko_31, Jamie19_49, Janeemi_35, JasmineDragon_39, Jasper_62, JeTaimie_39, Jerm2_64, Jester_45, Jobypre_31, JoeDirt_30, Joemato_33, JohnDoe_33, Johnathan_35, JonJames_133, JordanFarm_9, Jorgensen_65, Jovita_37, JoyLin_53, Jstan_36, Jubie_31, JuicyJay_54, JuliaChild_63, Juliette_72, JuneStar_33, KBG_63, KSSJEB_62, Kahlid_32, Kalah2_52, Kanely_63, Kanye_39, KashFlow_45, Kate33_35, Katzastrophic_35, Kaylissa_33, KeAlii_33, Keelan_118, Kenmech_65, Kenzers_36, Kevin1_52, Khuang_61, Kieran_34, Kikiko_7, Kimchi_39, KingKamren_9, Kingsolomon_31, KirDoubleO7_29, Klein_52, Kostya_38, Krishelle_46, Krypton555_31, Kugel_64, Kumao_40, Kumotta_57, KyMonks1A_65, Lahqtemish_35, Lamina13_66, LeBron_30, Lego_33, Leopard_52, Lesedi_58,

Lewan_32, Licorice_63, Liebe_36, LilBib_62, LilDestine_32, Lilac_39, LilhomieP_38, Lilizi_39, Lillie_46, Lilpickle_36, LilyLou_9, LimaBean_35, LittleE_56, LiyuLake_31, Lizalica_32, Loadrie_32, Lockley_59, Lolly9_31, London_34, Lopton_60, Loviatar_65, Lozinak_125, Lucky2013_51, Lumos_31, Lupine_29, Lyell_35, Lynlen_36, MAckerman_30, MISSy_36, MPhalcon_36, MaGuCo_34, Mabodamaca_42, MadamMonkfish_37, Magnar_60, Magnito_60, Magsby_50, Makemake_64, Malthus_71, Manatee_62, Manda_38, Marcell_58, Marchy_56, MargaretKali_53, Marge_59, Maroc7_59, Marsha_61, Marshmallow_37, MaryBeth_60, MaryV_53, Maureen_36, Maxxinista_38, Mazun_9, Mbo4_60, Melville_53, MetalQZJ_59, MiaZeal_51, Michley_65, Miley16_32, Mindy_37, Minerva_58, MiniLon_31, MiniMac_31, MiniMommy_41, Miniwave_37, Misfit_37, Miskis_124, MissAmericana_7, MissDaisy_67, MissSwiss_32, Mitti_70, MkaliMitinis3_32, Mkhuseleli_58, Moldemort_38, Moleficent_9, Mollymur_85, Monet_65, MontyDev_40, Moostard_31, Morrill_9, Mosby_36, MrGordo_64, MrMagoo_44, Mryolo_58, MsGreen_31, Mudpuppy_32, Mule_59, Murica_36, Murphy_38, Musetta_35, Myrale_37, Myrna_77, NEHalo_59, Naiad_45, Naira_64, Nala_37, Nancinator_46, Nanosmite_44, Natosaleda_45, Necrophoxinus_37, NelitzaMV_37, Nenae_55, Nerujay_64, Netyap_32, Nicholas_31, Nicholasp3_32, Nicky22_37, NihilNomen_51, Nilo_41, Nimrod_37, Niobe_34, Nitro_33, Niza_64, NoSleep_38, Norvs_124, Norz_62, Oatly_9, ObiToo_36, Odette_52, OhShagHennessy_30, Ohno789_62, OlinDD_28, Olliecat_34, Omega_56, OneUp_110, Onyinye_53, Oogway_61, Optimus_57, OrionPax_38, PSullivan_60, PYPDinur_30, Pabst_9, Palpatine_37, Panchino_48, Paperbeatsrock_39, Papez_64, Papyrus_40, Paraselene_60, Pari_65, Parmesanjohn_50, Partridge_45, PascalRango_60, Pat3_36, Patt_66, PattyP_64, PauloDiaboli_20, PauloDiaboli_218, PauloDiaboli_375, Pavlo_29, Payneful_60, PegLeg_39, Pelly_63, Pepe_60, Percival_43, Perseus_61, Peterson_66, Petra64142_39, Petruchio_62, Phabba_83, PhailMary_45, PhancyPhin_55, Pharky_9, Pharsalus_38, PhatBacter_37, Phaux_36, Phedro_9, PherrisBueller_61, PhillyPhilly_30, PhinkBoden_125, Phisb_37, Phives_35, Phloss_48, Phoebus_51, Phogo_9, Phracted_9, Phrankenstein_46, Phrann_52, PhriedRice_9, PhrostyMug_62, Phrux_37, PineapplePluto_10, PinkPlastic_62, Pinto_62, Pioneer3_28, Pippin15_52, Pippin_62, Pipsqueaks_50, Pita2_63, Pitbull_58, Pixelle_33, Platte_28, Policronamos_38, Pollywog_85, Porcelain_50, Porky_37, Pound_54, Powerpuff_35, Pumpernickel_201, Pumpkin_39, Pumpkins_33, Pupper_77, Purgamenstris_55, QMacho_38, QTRLifeCrisis_62, Qualification_38, Quby_30, Quenya_35, RER2_39, RGL3_40, Rajelicia_62, Rakim_38, Rasputin_46, Raymond7_49, Redi_55, Redno2_50, Reedo_32, Reindeer_39, Reptar3000_67, RexFury_45, Rey_44, Rhodalysa_46, Rhynn_60, RicoCaldo_9, RidgeCB_61, Rimmer_36, Ringer_62, Riparian_40, RiverMonster_37, Rollins_33, Roman_30, Rona_34, Ronaldo_118, Rope_40, Rose5_30, Rubeelu_53, Rubeus_60, Rufus_63, Rumpelstiltskin_32, RunningBrook_37, Ruotula_64, Rutherford_64, SCentae_76, SJReid_115, STLscum_70, Sagefire_64, Saints25_38, SamScheppers_68, Samty_31, SanaSana_39, Sandaddy_58, SansAfet_37, Sanya_57, SarBear_36, SarFire_61, Sarshaun_32, Sassay_36, Schatzie_49, Schmidt_57, Schnauzer_51, ScoobyDoobyDoo_73, Scowl_63, Send513_40, Serenabean_51, ShakeltOph_41, ShamWow_37, Sharkboy_35, Shayna_36, Sheng711_30, ShortQueendom_54, ShrimpFriedEgg_55, Shuman_46, Shweta_51, Silvafighter_51, Silverleaf_30, Simpliphy_38, Simpson_35, SirDuracell_36, Skinny_40, Skog_140, Skylord_33, Slagathor_64, Slarp_70, Slay_37, SlimJimmy_38, Smairt_64, Smeagol_64, Smoothie_126, Smurph_50, Snazzy_60, Snek_33, Snekmaggedon_49, Snenia_31, Soap141_32, Solon_61, Soondubu_31, SophKB_37, Sorpresa_59, Sotrice96_37, SpeedDemon_860, SpikeBT_60, Splinter_63, SpongeBob_49, Squee_63, Squircle_34, StCroix_45, StagePhright_9, Stank_40, Stark_38, StellaBean_37,

StevieWelch_35, StewieG_57, StolenFromERC_39, Stoor_37, Stormbreaker_9, Stromboli_37, StrongArm_60, SuMoo_44, Sue2_34, Sumter_58, SunnyD_38, Sunshine924_67, Superphikiman_51, Swann_46, Swervy_37, Swole_61, TBrady12_39, TMaxx_3, TWAMP_46, TZGordon_64, Takoda_46, Tallboi_33, Tandem_28, Tapioca_52, Taquito_69, Target_64, Tarkin_39, Tbone_32, Teagster_39, TeardropMSU_36, Teaspoon_38, Teodoridan_60, Terminus_37, TforTroy_34, TheloniousMonk_65, Thibault_45, ThirteenKH_9, Thonko_81, Thor_61, ThreeRngTarjay_50, Thresher_38, Tian_33, TinaLin_62, TinyTimothy_9, Tomaszewski_36, Toniann_125, Tote_58, Toto_37, Tourach_32, Traaww1_35, Traft412_64, Treddle_63, Tripl3t_65, TrippleS_9, Trouble_63, Truong_9, Tuck_36, Tuco_38, TukTuk_37, Turab_32, Turj99_60, Tutumahutu_33, Tweety19_33, TwoPeat_63, TyDawg_39, Tyson_30, UPIE_30, UhSalsa_46, Ukulele_37, Unphazed_9, UtzChips_41, VResidence_33, Vendetta_63, Vetric_32, Vibaki_39, Violet_60, Vitas_33, Volt_121, WalkingDead_38, Wamburggrxpress_30, Wanda_58, Warda_33, Waterlily_9, Weiss13_40, Welcome_36, Wesak_9, Wheeler_64, Whirlwind_32, Wiggin_40, Wigglewiggles_32, Wildcat_53, Wilder_32, Wildwest_33, Willez_36, WilliamBoone_123, Winky_32, Wintermute_70, Wolfstar_31, Wyatt2_30, Xandras_39, Xerxes_50, Xitlalli_9, Yafa_9, Yang_33, Yappy_53, YassJohnny_38, Yeet_50, YellowPanda_9, Yelo_40, YesChef_33, Yogi_45, Yoncess_45, Yotsuba_52, Youngblood_37, Yuma_34, Yvonnetastic_129, Zakai_32, Zaria_30, Zelink_53, Zenon_41, Zeta1847_35, Zeuska_67, Zhengyi_9, ZhongYanYuan_31, Ziko_119, Zooman_18, Zooman_185, Zooman_331, xkcd_38,

Summary by start number:

Start 110:

- Found in 24 of 1063 (2.3%) of genes in pham
- Manual Annotations of this start: 22 of 946
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alex44_9 (EK1), ArMaWen_9 (EK1), Biozilla_9 (EK1), Birdfeeder_9 (EK1), Corn21_9 (EK1), CrunchyBoi_10 (EK1), Dashyla_9 (EK1), DumpQuist_9 (EK1), EugeneKrabs_9 (EK), Fede_9 (EK2), HitchHiker_10 (EK1), KingKamren_9 (EK), LilyLou_9 (EK1), Oatly_9 (EK1), Pabst_9 (EK1), Phogo_9 (EK1), PineapplePluto_10 (EK1), Stormbreaker_9 (EK1), TinyTimothy_9 (EK1), Unphazed_9 (EK1), Wesak_9 (EK1), Xitlalli_9 (EK1), YellowPanda_9 (EK1), Zhengyi_9 (EK),

Start 112:

- Found in 23 of 1063 (2.2%) of genes in pham
- Manual Annotations of this start: 19 of 946
- Called 95.7% of time when present
- Phage (with cluster) where this start called: Akoni_9 (EK2), AloeVera_9 (EK2), Ashton_9 (EK2), Astartes_9 (EK2), Atraxi_9 (EK2), Barroma_9 (EK2), Fullmetal_9 (EK2), JordanFarm_9 (EK2), Mazun_9 (EK2), Moleficent_9 (EK2), Morrill_9 (EK2), Pharky_9 (EK2), Phedro_9 (EK2), Phracted_9 (EK2), PhriedRice_9 (EK2), RicoCaldo_9 (EK2), StagePhright_9 (EK2), ThirteenKH_9 (EK2), TrippleS_9 (EK2), Truong_9 (EK2), Waterlily_9 (EK2), Yafa_9 (EK2),

Start 115:

- Found in 4 of 1063 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 946
- Called 75.0% of time when present

- Phage (with cluster) where this start called: Greely_81 (C2), Myrna_77 (C2), Phabba_83 (C2),

Start 117:

- Found in 11 of 1063 (1.0%) of genes in pham
- Manual Annotations of this start: 6 of 946
- Called 54.5% of time when present
- Phage (with cluster) where this start called: Atkinbua_64 (A1), Makemake_64 (A1), Pinto_62 (A1), Pollywog_85 (F1), RidgeCB_61 (A1), Rufus_63 (A1),

Start 118:

- Found in 132 of 1063 (12.4%) of genes in pham
- Manual Annotations of this start: 30 of 946
- Called 22.7% of time when present
- Phage (with cluster) where this start called: Acme_64 (A1), Aeneas_65 (A1), Anglerfish_62 (A1), BPBiabs31_64 (A1), Bethlehem_61 (A1), BillKnuckles_59 (A1), Buttons_59 (A1), Dynamix_64 (A1), Fajezeel_63 (A1), Fascinus_56 (A1), Fushigi_58 (A1), Greg_63 (A1), KBG_63 (A1), KSSJEB_62 (A1), Kenmech_65 (A1), Kugel_64 (A1), Lamina13_66 (A1), Manatee_62 (A1), Maroc7_59 (A1), Papez_64 (A1), PattyP_64 (A1), PhrostyMug_62 (A1), Pippin_62 (A1), Pita2_63 (A1), Rhynn_60 (A1), Rutherford_64 (A1), SarFire_61 (A1), Scowl_63 (A1), Treddle_63 (A1), Trouble_63 (A1),

Start 120:

- Found in 152 of 1063 (14.3%) of genes in pham
- Manual Annotations of this start: 109 of 946
- Called 75.7% of time when present
- Phage (with cluster) where this start called: A6_54 (A1), AFIS_58 (A1), Abbysshoes_63 (A1), Agaliana_56 (A1), Ajay_62 (A1), Alsfro_68 (A1), Altman_64 (A1), Alvin_62 (A1), Arcanine_64 (A1), Ashballer_65 (A1), BK1_54 (A1), BaconJack_66 (A1), Barriga_65 (A1), Beatrix_61 (A1), BeesKnees_64 (A1), Bexan_59 (A1), Big3_63 (A1), BigPaolini_59 (A1), Bigfoot_54 (A1), Bircsak_61 (A1), Burton_63 (A1), Bxb1_56 (A1), CactusRose_62 (A1), Carlyle_62 (A1), Chanagan_56 (A1), Ciao_60 (A1), Conceptll_64 (A1), Corvo_63 (A1), DD5_60 (A1), Dexes_62 (A1), Doom_60 (A1), Dreamboat_63 (A1), Dussy_62 (A1), Edtherson_61 (A1), Euphoria_60 (A1), Eyeball_64 (A1), Fenn_64 (A1), Francis47_60 (A1), Froghopper_60 (A1), GageAP_63 (A1), Gandalf20_64 (A1), Gompeii16_61 (A1), Graduation_66 (A1), GrecoEtereo_61 (A1), Hami1_57 (A1), Hermia_60 (A1), Homines_54 (A1), Hope4ever_63 (A1), ILeeKay_64 (A1), Ichabod_66 (A1), Inyanga_57 (A1), JC27_65 (A1), Jasper_62 (A1), Jerm2_64 (A1), Jorgensen_65 (A1), JuliaChild_63 (A1), Kanely_63 (A1), Lesedi_58 (A1), Licorice_63 (A1), LilBib_62 (A1), Lockley_59 (A1), Marcell_58 (A1), Marchy_56 (A1), Marge_59 (A1), Marsha_61 (A1), MaryBeth_60 (A1), MetalQZJ_59 (A1), Michley_65 (A1), Monet_65 (A1), MrGordo_64 (A1), Mule_59 (A1), NEHalo_59 (A1), Naira_64 (A1), Nerujay_64 (A1), Niza_64 (A1), Norz_62 (A1), Ohno789_62 (A1), PSullivan_60 (A1), Paraselene_60 (A1), Pari_65 (A1), PascalRango_60 (A1), Payneful_60 (A1), Pelly_63 (A1), Pepe_60 (A1), Perseus_61 (A1), Peterson_66 (A1), Petruccio_62 (A1), PherrisBueller_61 (A1), PinkPlastic_62 (A1), QTRlifeCrisis_62 (A1), Rajelicia_62 (A1), Sagefire_64 (A1), ShortQueendom_54 (A1), Slagathor_64 (A1), Smairt_64 (A1), Smeagol_64 (A1), Snazzy_60 (A1), Solon_61 (A1), SpikeBT_60 (A1), Squee_63 (A1), StewieG_57 (A1), StrongArm_60 (A1), Sumter_58 (A1), Sunshine924_67 (A1), Swole_61 (A1), Target_64 (A1), Teodoridan_60 (A1), TheloniousMonk_65 (A1), Thor_61 (A1), Tote_58 (A1), Turj99_60 (A1), TwoPeat_63 (A1), Violet_60 (A1), Wheeler_64 (A1),

Zeuska_67 (A1),

Start 125:

- Found in 159 of 1063 (15.0%) of genes in pham
- Manual Annotations of this start: 5 of 946
- Called 3.1% of time when present
- Phage (with cluster) where this start called: Cen1621_38 (EH), Gwendoluna_65 (A1), Gyzlar_57 (A1), Lopton_60 (A1), Rubeus_60 (A1),

Start 128:

- Found in 14 of 1063 (1.3%) of genes in pham
- Manual Annotations of this start: 10 of 946
- Called 78.6% of time when present
- Phage (with cluster) where this start called: DrFeelGood_58 (A1), Dulcie_62 (A1), KyMonks1A_65 (A1), Magnar_60 (A1), Magnito_60 (A1), Mryolo_58 (A1), Ruotula_64 (A1), Sandaddy_58 (A1), Sorpresa_59 (A1), Traft412_64 (A1), Tripl3t_65 (A1),

Start 130:

- Found in 9 of 1063 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 946
- Called 11.1% of time when present
- Phage (with cluster) where this start called: PhillyPhilly_30 (ED1),

Start 133:

- Found in 1 of 1063 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 946
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Vibaki_39 (FL),

Start 137:

- Found in 3 of 1063 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 946
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Snek_33 (AZ3), Tweety19_33 (AZ3),

Start 138:

- Found in 4 of 1063 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 946
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abrogate_610 (A1), Applejack_60 (A1), Ringer_62 (A1), STLscum_70 (A1),

Start 139:

- Found in 5 of 1063 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 946
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adumb2043_32 (AZ1), IttyBittyPiggy_33 (AZ1), KeAlii_33 (AZ1), Tallboi_33 (AZ1), Turab_32 (AZ1),

Start 141:

- Found in 8 of 1063 (0.8%) of genes in pham
- Manual Annotations of this start: 2 of 946
- Called 25.0% of time when present

- Phage (with cluster) where this start called: BrutonGaster_100 (CQ2), OneUp_110 (CQ2),

Start 142:

- Found in 24 of 1063 (2.3%) of genes in pham
- Manual Annotations of this start: 20 of 946
- Called 95.8% of time when present
- Phage (with cluster) where this start called: AGrandiflora_34 (AZ1), Ascela_34 (AZ1), Berrie_34 (AZ1), Cassia_34 (AZ1), Community_34 (AZ1), DrSierra_32 (AZ1), Iter_34 (AZ1), Janeemi_35 (AZ1), Joemato_33 (AZ1), JohnDoe_33 (AZ1), Lizalica_32 (AZ1), Nitro_33 (AZ1), Phives_35 (AZ1), Pumpkins_33 (AZ1), Simpson_35 (AZ1), Sue2_34 (AZ1), Tbone_32 (AZ1), TforTroy_34 (AZ1), Tuck_36 (AZ1), Tutumahutu_33 (AZ1), Warda_33 (AZ1), Wildwest_33 (AZ1), Yang_33 (AZ1),

Start 144:

- Found in 12 of 1063 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 946
- Called 8.3% of time when present
- Phage (with cluster) where this start called: Floop_43 (EH),

Start 145:

- Found in 2 of 1063 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 946
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Honk_39 (EH),

Start 147:

- Found in 14 of 1063 (1.3%) of genes in pham
- Manual Annotations of this start: 11 of 946
- Called 78.6% of time when present
- Phage (with cluster) where this start called: Bongo_39 (M1), Bricole_39 (M1), Diminimus_40 (M1), Dulcita_40 (M1), Glaske16_40 (M1), IPHane7_39 (M1), LilhomieP_38 (M1), PegLeg_39 (M1), Reindeer_39 (M1), Skinny_40 (M1), TyDawg_39 (M1),

Start 149:

- Found in 38 of 1063 (3.6%) of genes in pham
- Manual Annotations of this start: 23 of 946
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_124 (CQ1), Aphelion_125 (CQ1), Ashes_35 (AZ5), Bantam_85 (DL), Barnstormer_41 (EH), Cappuccino_31 (AZ5), Cardigan_134 (DD), Caron_44 (EH), ClubL_125 (CQ1), Culver_125 (CQ1), Daredevil_75 (DL), DatBoi_82 (DL), Donkey_31 (AZ5), Dusty_121 (CQ1), Gambol_31 (AZ5), GardenState_42 (EH), Geeche_123 (CQ1), Gretchen_42 (EH), Halsey_39 (AZ5), IAmGroot_42 (EH), JonJames_133 (DD), Kalimba_31 (AZ5), Lozinak_125 (CQ1), Mabodamaca_42 (EH), Miskis_124 (CQ1), Mollymur_85 (DL), Moss_36 (AZ5), Mysterium_31 (AZ5), Norvs_124 (CQ1), Percival_43 (EH), Smoothie_126 (CQ1), Sooty_31 (AZ5), SpecialK_36 (AZ5), SpeedDemon_860 (DL), SuMoo_44 (EH), UtzChips_41 (EH), Yvonnetastic_129 (DD), Zeta1847_35 (EH),

Start 150:

- Found in 2 of 1063 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 946

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Emotion_38 (AZ4), Shweta_51 (N),

Start 151:

- Found in 9 of 1063 (0.8%) of genes in pham
- Manual Annotations of this start: 6 of 946
- Called 77.8% of time when present
- Phage (with cluster) where this start called: BFK20_ORF53 (singleton), Bachita_128 (CQ1), Cucurbita_126 (CQ1), Engineer_127 (CQ1), PhinkBoden_125 (CQ1), Toniann_125 (CQ1), WilliamBoone_123 (CQ1),

Start 152:

- Found in 34 of 1063 (3.2%) of genes in pham
- Manual Annotations of this start: 8 of 946
- Called 23.5% of time when present
- Phage (with cluster) where this start called: Armstrong_33 (EB), Bernstein_33 (EB), Brahms_33 (EB), ChiliPepper_33 (EB), Coltrane_33 (EB), EmiRose_45 (singleton), Rollins_33 (EB), Sharkboy_35 (EB),

Start 153:

- Found in 62 of 1063 (5.8%) of genes in pham
- Manual Annotations of this start: 56 of 946
- Called 98.4% of time when present
- Phage (with cluster) where this start called: Aikoy_52 (AE), Alatin_45 (CA), Alpacados_45 (CA), AngryOrchard_44 (CA), AnnabelLee_3 (FR), AppleCloud_43 (CA), Belenaria_46 (CA), BobbyDazzler_46 (CA), Boilgate_63 (K8), Bonanza_46 (CA), Bradshaw_46 (CA), Bryce_45 (CA), Chancellor_70 (K4), Cheetobro_70 (K4), CosmicSans_46 (CA), Dinger_45 (CA), Eponine_72 (K4), Erik_46 (CA), Espica_46 (CA), Fionnbharth_70 (K4), Footloose_59 (singleton), Gollum_46 (CA), Harlequin_45 (CA), Hiro_46 (CA), JasmineDragon_39 (AZ4), Jester_45 (CA), Juliette_72 (K4), Krishelle_46 (CA), Kumao_40 (singleton), Leopard_52 (AE), Lillie_46 (CA), Malthus_71 (K4), MiniMommy_41 (AZ4), Mitti_70 (K4), Naiad_45 (CA), Nancinator_46 (CA), Natosaleda_45 (CA), Onyinye_53 (AE), Partridge_45 (CA), Patt_66 (K4), PhailMary_45 (CA), Phrankenstein_46 (CA), RER2_39 (CA), RGL3_40 (CA), Rasputin_46 (CA), Reptar3000_67 (K4), RexFury_45 (CA), Rhodalysa_46 (CA), SamScheppers_68 (K4), ShakeItOph_41 (AZ4), Shuman_46 (CA), Slarp_70 (K4), StCroix_45 (CA), Swann_46 (CA), TWAMP_46 (CA), Takoda_46 (CA), Taquito_69 (K4), UhSalsa_46 (CA), Wintermute_70 (K4), Yogi_45 (CA), Yoncess_45 (CA),

Start 154:

- Found in 44 of 1063 (4.1%) of genes in pham
- Manual Annotations of this start: 32 of 946
- Called 77.3% of time when present
- Phage (with cluster) where this start called: Andies_48 (N), BabeRuth_56 (N), Bosection6_51 (N), Butters_53 (N), Carcharodon_50 (N), Charlie_51 (N), Chewbacca_52 (N), Duplicity_50 (N), Fulbright_49 (N), Gex_50 (N), Hanako_56 (N), Jamie19_49 (N), Kevin1_52 (N), Magsby_50 (N), Melville_53 (N), Nenae_55 (N), Panchino_48 (N), Parmesanjohn_50 (N), PhancyPhin_55 (N), Phloss_48 (N), Phrann_52 (N), Pipsqueaks_50 (N), Purgamenstris_55 (N), Raymond7_49 (N), Redi_55 (N), Rubeelu_53 (N), Schnauzer_51 (N), ShrimpFriedEgg_55 (N), Silvafighter_51 (N), Smurph_50 (N), Snekmaggon_49 (N), SpongeBob_49 (N), Tapioca_52 (N), Xerxes_50 (N),

Start 155:

- Found in 2 of 1063 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 946
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Count_87 (EL), Oogway_61 (A1),

Start 156:

- Found in 3 of 1063 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 946
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BaileyBlu_34 (FP), CallinAllBarbz_34 (FP), Kikiko_7 (EM2),

Start 157:

- Found in 14 of 1063 (1.3%) of genes in pham
- Manual Annotations of this start: 9 of 946
- Called 92.9% of time when present
- Phage (with cluster) where this start called: AddiRose_51 (JA), Candle_40 (R), Daddyjeff_51 (JA), MontyDev_40 (R), Nilo_41 (R), Papyrus_40 (R), Riparian_40 (R), Rope_40 (R), Send513_40 (R), Serenabean_51 (JA), Weiss13_40 (R), Yelo_40 (R), Zenon_41 (R),

Start 158:

- Found in 3 of 1063 (0.3%) of genes in pham
- Manual Annotations of this start: 3 of 946
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BaboJay_37 (E), Eureka_38 (E), Goku_38 (E),

Start 159:

- Found in 32 of 1063 (3.0%) of genes in pham
- Manual Annotations of this start: 12 of 946
- Called 84.4% of time when present
- Phage (with cluster) where this start called: AEgle_32 (AZ1), Adolin_32 (AZ1), AinMach_35 (AZ), Asa16_34 (AZ1), Bloom_112 (FC), DrManhattan_32 (AZ1), Eevee_53 (JA), Elezi_34 (AZ1), Eraser_34 (AZ1), JoyLin_53 (JA), Jstan_36 (AZ1), Kumotta_57 (FB), London_34 (AZ1), MargaretKali_53 (FB), Mbo4_60 (singleton), Mimi_114 (FC), MissAmericana_7 (EM2), Niobe_34 (AZ1), Patbob_109 (FC), Phrampa_103 (FC), Pippin15_52 (JA), Racecar_109 (FC), SJReid_115 (FC), TMaxx_3 (FR), Talia1610_108 (FC), Yappy_53 (singleton), Yotsuba_52 (JA),

Start 160:

- Found in 90 of 1063 (8.5%) of genes in pham
- Manual Annotations of this start: 62 of 946
- Called 72.2% of time when present
- Phage (with cluster) where this start called: Acquire49_30 (L1), Appletree2_30 (L1), Archie_32 (L2), AvadaKedavra_30 (L1), Bazzle_32 (L2), Bellis_31 (L3), BigCheese_32 (L2), BobsGarage_32 (L2), Breezona_32 (L2), Bromden_32 (L4), Calm_30 (L1), Chaser_30 (L4), CicholasNage_30 (L1), Clautastrophe_31 (L3), Crossroads_32 (L2), Douge_30 (L4), DrSeegs_32 (L2), DuncansLeg_31 (L3), DyoEdafos_31 (L4), Ellson_31 (L3), Enceladus_30 (L1), Faith1_32 (L2), Finemlucis_32 (L2), Finnry_31 (L3), Gabriela_32 (L2), Gardann_32 (L2), GuuelaD_32

(L2), Halena_30 (L1), Itos_32 (L2), JoeDirt_30 (L1), Jubie_31 (L3), Kingsolomon_31 (L3), Krypton555_31 (L3), LeBron_30 (L1), LilDestine_32 (L2), LiyuLake_31 (L3), Loadrie_32 (L2), Lolly9_31 (L3), Lumos_31 (L3), MAckerman_30 (L1), Miley16_32 (L2), MiniLon_31 (L3), MiniMac_31 (L3), MkaliMitinis3_32 (L2), MsGreen_31 (L3), Netyap_32 (L2), Nicholas_31 (L3), Nicholasp3_32 (L2), OhShagHennessy_30 (L1), Pitbull_58 (FQ), Rose5_30 (L1), Samty_31 (L3), Silverleaf_30 (L1), Snenia_31 (L3), Tourach_32 (L2), UPIE_30 (L1), Vetrix_32 (L2), Wamburggrxpress_30 (L1), Whirlwind_32 (L3), Wigglewobble_32 (L2), Wilder_32 (L2), Winky_32 (L2), Wyatt2_30 (L1), Zakai_32 (L2), Zaria_30 (L1),

Start 161:

- Found in 163 of 1063 (15.3%) of genes in pham
- Manual Annotations of this start: 154 of 946
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 244_39 (E), ABCat_36 (E), Adnama_40 (E), Amao_37 (E), AmericanBeauty_39 (E), Argent26_39 (E), Asriel_36 (E), Azrael100_52 (V), BAKA_56 (J), BadStone_36 (E), Bagrid_51 (J), Balomoji_36 (E), Barbarian_36 (E), Bask21_37 (E), Beem_52 (J), Bench_39 (E), BigBubba_38 (E), BilboSwaggins_37 (E), Bobby_51 (J), Bombitas_49 (J), Bruin_37 (E), Buck_36 (E), BugsBunny_35 (E), Cactus_38 (E), ChosenOne_37 (E), ChotaBhai_37 (E), Cjw1_37 (E), Command613_38 (E), Constella_44 (J), Contagion_36 (E), Cookies_37 (E), Cosmo_53 (V), CrystalP_37 (E), Czystczon1_38 (E), Daikon_36 (E), Dallas_54 (J), DmpstrDiver_53 (J), DoctorDiddles_37 (E), Dove_49 (J), DrDrey_38 (E), Duke13_55 (J), Dumbo_37 (E), Dusk_36 (E), Easy2Say_39 (E), Ejimix_52 (J), Elite2014_36 (E), Elph10_38 (E), Emmina_38 (E), EniyanLRS_50 (V), EricMillard_52 (J), Filch_38 (E), FireRed_37 (E), Flypotenuse_35 (E), Gage_39 (E), Gator_35 (E), Gemini_40 (E), Glexan_35 (E), GoldenSpark_39 (E), Goldilocks_38 (E), GooberAzure_39 (E), Halley_52 (J), HanKaySha_38 (E), Hannaconda_48 (J), Harella_36 (E), Henry_38 (E), Highbury_38 (E), HokkenD_45 (J), Holt_38 (E), Hoonter_39 (E), Hopey_39 (E), HufflyPuff_36 (E), Hughesyang_50 (J), Icee_36 (E), Inca_36 (E), Indulamithi_37 (AC), JeTaimé_39 (E), JuicyJay_54 (J), Kalah2_52 (J), Kanye_39 (E), KashFlow_45 (J), Kimchi_39 (E), Klein_52 (J), Kostya_38 (E), Lilac_39 (E), Lilizi_39 (E), Lilpickle_36 (E), MISSy_36 (E), MPhalcon_36 (E), MadamMonkfish_37 (E), Manda_38 (E), Marshmallow_37 (E), MaryV_53 (V), Maxxista_38 (E), Mindy_37 (E), Minerva_58 (J), Miniwave_37 (E), Misfit_37 (E), Moldemort_38 (E), Mosby_36 (E), Murica_36 (E), Murphy_38 (E), Myrale_37 (E), Nala_37 (E), NelitzaMV_37 (E), NihilNomen_51 (J), Nimrod_37 (E), NoSleep_38 (E), Odette_52 (J), Optimus_57 (J), OrionPax_38 (E), Palpatine_37 (E), Paperbeatsrock_39 (E), Pat3_36 (E), Petra64142_39 (E), Pharsalus_38 (E), PhatBacter_37 (E), Phaux_36 (E), Phoebus_51 (J), Phrux_37 (E), Policronamos_38 (E), Porky_37 (E), Pound_54 (J), Pumpkin_39 (E), Quallification_38 (E), Rakim_38 (E), Redno2_50 (J), Rey_44 (M2), Rimmer_36 (E), RiverMonster_37 (E), Saints25_38 (E), Sassay_36 (E), Schatzie_49 (J), ShamWow_37 (E), Simpliphy_38 (E), SirDuracell_36 (E), SophKB_37 (E), Sotrice96_37 (E), Stank_40 (E), Stark_38 (E), StellaBean_37 (E), StolenFromERC_39 (E), TBrady12_39 (E), Tarkin_39 (E), TeardropMSU_36 (E), Teaspoon_38 (E), Terminus_37 (E), ThreeRngTarjay_50 (J), Thresher_38 (E), Tomaszewski_36 (E), Toto_37 (E), Traaww1_35 (E), Tuco_38 (E), Ukulele_37 (E), Wanda_58 (J), Wiggin_40 (E), Wildcat_53 (V), Willez_36 (E), Xandras_39 (E), YassJohnny_38 (E), Yeet_50 (J), Youngblood_37 (E), Zelink_53 (J), xkcd_38 (E),

Start 162:

- Found in 151 of 1063 (14.2%) of genes in pham
- Manual Annotations of this start: 110 of 946

- Called 84.8% of time when present
- Phage (with cluster) where this start called: A3Wally_218 (GD1), ASegato_34 (ED2), Abigail_35 (EB), Albedo_36 (EB), Albright_34 (EB), Alleb_29 (ED1), Amyev_33 (AZ1), AnnaLie_37 (EB), Arroyo_37 (EB), Atuin_105 (FC), Auspice_39 (M1), AvGardian_38 (EB), Avocadoman_35 (EB), Aziz_44 (M2), BabyDaisy_35 (EB), BabyYoda_37 (EB), Bachaco_34 (EB), BelmontSKP_37 (EB), Big4_204 (GD2), BubbaBear_35 (EB), Buldak_34 (EB), Burritobowl_36 (EB), Cashington_34 (EB), Cece_195 (GD3), Celaena_34 (EB), CherryTomatoes_78 (DO), Clayda5_34 (EB), CliffHanger_39 (EB), Crewmate_37 (AZ1), CroZenni_36 (EB), Cyan_33 (AZ1), DejaVu_31 (ED1), DickRichards_35 (EB), Didgeridoo_38 (EB), DirtyBubble_36 (EB), Dismas_34 (EB), Doobus_35 (EB), DunneganBoMo_101 (FC), DustyDino_38 (ED2), Eden_34 (EB), Elva_38 (EB), Erenyeager_35 (ED2), Estes_45 (M2), Eula_37 (EB), Exile_31 (AZ), Finalfrontier_36 (EB), FlameThrower_34 (EB), Fork_31 (ED2), Franklin22_35 (EB), Gack_33 (EB), GardenSalsa_44 (M2), GenevaB15_44 (M2), Hortus1_28 (ED1), Hubbs_30 (ED1), Icarian_39 (EB), IndyLu_35 (EB), Jacko_31 (ED1), Johnathan_35 (EB), Jovita_37 (EB), JuneStar_33 (AZ1), Kate33_35 (EB), Katzastrophic_35 (EB), Kaylissa_33 (AZ1), Kenzers_36 (EB), Khuang_61 (UNK), Kieran_34 (EB), Lahqtemish_35 (EB), Lego_33 (AZ1), LimaBean_35 (EB), Loviatar_65 (EB), Lupine_29 (ED1), Lyell_35 (ED2), Lynlen_36 (EB), MaGuCo_34 (AZ2), Maureen_36 (AZ2), MissSwiss_32 (AZ1), MrMagoo_44 (M2), Mudpuppy_32 (AZ1), Musetta_35 (ED2), Nanosmite_44 (M3), Necrophoxinus_37 (ED2), Nicky22_37 (EB), ObiToo_36 (AZ1), OlinDD_28 (ED1), Olliecat_34 (EB), PauloDiaboli_218 (GD1), Pavlo_29 (ED1), Phisb_37 (EB), Pioneer3_28 (ED1), Pixelle_33 (AZ1), Platte_28 (ED1), Powerpuff_35 (AZ1), Pumpernickel_201 (GD4), Pupper_77 (DO), QMacho_38 (EB), Quenya_35 (EB), Reedo_32 (AZ1), Roman_30 (ED1), Rona_34 (EB), RunningBrook_37 (ED2), SCentae_76 (DO), SanaSana_39 (EB), SansAfet_37 (EB), SarBear_36 (EB), Shayna_36 (EB), Skog_140 (DO), Skylord_33 (EB), Slay_37 (EB), SlimJimmy_38 (M1), Soondubu_31 (AZ), Squircle_34 (EB), StevieWelch_35 (ED2), Stoor_37 (EB), Stromboli_37 (EB), SunnyD_38 (EB), Swervy_37 (EB), Tandem_28 (ED1), Teagster_39 (EB), Tian_33 (AZ1), TukTuk_37 (EB), VResidence_33 (AZ1), Vitas_33 (EB), WalkingDead_38 (EB), Welcome_36 (ED2), Wolfstar_31 (ED), YesChef_33 (AZ1), Yuma_34 (ED2), Zooman_185 (GD2),

Start 163:

- Found in 1 of 1063 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 946
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BAjuniper_35 (EB),

Start 164:

- Found in 10 of 1063 (0.9%) of genes in pham
- Manual Annotations of this start: 10 of 946
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apocalypse_69 (K1), Banquo_62 (CU1), Dardanus_57 (CU3), DinoDaryn_63 (CU1), Goib_64 (CU1), Huffy_63 (CU1), Splinter_63 (CU1), TZGordon_64 (CU1), TinaLin_62 (CU1), Vendetta_63 (CU1),

Start 165:

- Found in 189 of 1063 (17.8%) of genes in pham
- Manual Annotations of this start: 167 of 946
- Called 91.5% of time when present
- Phage (with cluster) where this start called: ActinUp_66 (K1), Adephegia_66 (K1), Adonis_66 (K1), Agent47_60 (K5), Ageofdapage_70 (K1), AlishaPH_66 (K1),

AlleyCat_62 (K5), Amelie_55 (K1), Amohntion_66 (K6), Anaya_69 (K1), Angelica_66 (K1), Asayake_66 (K1), Atiba_67 (K1), BEEST_66 (K1), BGIlluvia_66 (K1), BaghaKamala_66 (K1), BarnCat_46 (GB), BarrelRoll_67 (K1), Beezoo_68 (K1), Bella96_67 (K1), Belladonna_66 (K1), Binglebops_55 (K1), Blizzard_66 (K1), Boiiii_66 (K1), BoostSeason_69 (K2), Bryler_70 (K6), CREW_66 (K1), Cain_70 (K6), Capricorn_66 (K1), CaseJules_68 (K1), Cassita_54 (GB), CheetoDust_66 (K1), Chris_69 (K1), Collard_58 (K5), CrimD_68 (K1), Curiosium_70 (K1), DS6A_74 (singleton), Dadosky_62 (K5), Dalmuri_66 (K1), DarthP_66 (K6), Dartin_69 (K1), Deby_67 (K1), Devera_74 (K1), DismalFunk_69 (K2), DismalStressor_69 (K2), Dole_72 (K1), DrHayes_67 (K1), Durfee_66 (K1), Edugator_59 (K5), Efra2_72 (K1), Ekdilam_63 (K6), Ellie_62 (K6), Emerson_68 (K1), Enkosi_57 (K1), Fefferhead_64 (K6), Feyre_63 (K5), Findley_69 (K2), Ganymede_66 (K1), Gengar_60 (K5), Geraldini_69 (K1), Guanica15_71 (K1), Guillsminger_61 (K5), Hammy_66 (K6), HedwigODU_66 (K1), Heftyboy_61 (K5), Homura_66 (K1), Hurricane_68 (K3), Hyperbowlee_66 (K1), Illumine_72 (K1), Inky_66 (K1), InvictusManeo_58 (K5), JAWS_67 (K1), Jarvi_66 (K1), Jayhawk_68 (K1), Jeckyll_66 (K1), Joy99_66 (K1), KiSi_71 (K1), Kratio_58 (K5), Larva_61 (K5), LastHope_71 (K1), LaterM_67 (K1), LeMond_70 (K1), LeeroyJenkins_54 (GB), Leston_60 (K5), Lifes_48 (GB), LilPharaoh_56 (K1), LindNT_66 (K1), Llorens_66 (K1), Lunahalos_66 (K1), MacnCheese_70 (K3), Marcoliusprime_69 (K2), MarkPhew_69 (K1), Marshawn_66 (K6), McMater_69 (K1), Mdavu_56 (K1), MeaningOfLife_67 (K1), Megsy_69 (K1), Milly_69 (K2), Miryou_64 (K5), Mufasa_69 (K2), Murucutumbu_68 (K1), Mynx_68 (K1), Nibb_69 (K1), Nikao_58 (K1), Niklas_69 (K1), Nutello_55 (K1), OkiRoe_61 (K5), Omnicron_64 (K5), Oscar_70 (K1), Padfoot_66 (K1), Padpat_69 (K1), Paola_60 (K5), Peanam_69 (K1), Peel_66 (K1), Pharb_67 (K3), PhelpsODU_68 (K6), Phrank_70 (K6), Piatt_66 (K1), Pixie_67 (K3), Pokerus_66 (K1), Prithvi_68 (K1), Psycho_60 (K5), QuincyRose_64 (K1), Ramen_67 (K1), Rando14_62 (K5), Rapunzel97_68 (K1), Richo_69 (K1), Rosmarinus_66 (K1), SamuelLPlaqson_67 (K1), Scarlett_71 (K1), SgtBeansprout_56 (K1), Shadow1_71 (K6), Shaobing_69 (K1), ShedlockHolmes_69 (K3), ShiaSurprise_67 (K1), SirPhilip_66 (K6), Slimphazie_67 (K1), SoSeph_61 (K5), Spock_66 (K1), Stinson_68 (K1), Strobilo_70 (K2), Sulley_66 (K1), Sunflower1121_72 (K6), Syra333_70 (K6), TBond007_64 (K3), TClif_68 (K6), TM4_67 (K2), Tachez_66 (K1), TaiwanKao_69 (K1), Thyatira_63 (K5), Tierra_70 (K6), TingHuaYa_70 (K1), TiniBug_67 (K1), Tiri_67 (K1), Topper_66 (K1), Torres_57 (K1), TreyKay_68 (K1), TribbleTrouble_68 (K3), TruffulaTree_67 (K1), Twitch_66 (K1), Unicorn_68 (K6), Urkel_67 (K1), Validus_71 (K1), Veliki_68 (K1), WaterT_52 (GB), Waterfoul_62 (K5), Ximenita_72 (K6), YoureAdopted_66 (K1), Yuna_71 (K6), Yunkel11_71 (K1), Zabiza_61 (K1), Zavala_69 (K1), ZoeJ_68 (K2),

Start 166:

- Found in 2 of 1063 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 946
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Zooman_18 (GD2), Zooman_331 (GD2),

Start 167:

- Found in 75 of 1063 (7.1%) of genes in pham
- Manual Annotations of this start: 4 of 946
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Catfish_63 (CU5), Gspu1_55 (CU2), MissDaisy_67 (K4), Schmidt_57 (CU4), ScoobyDoobyDoo_73 (C2),

Start 168:

- Found in 6 of 1063 (0.6%) of genes in pham
- Manual Annotations of this start: 6 of 946
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A3Wally_20 (GD1), A3Wally_373 (GD1), Big4_20 (GD2), Big4_346 (GD2), PauloDiaboli_20 (GD1), PauloDiaboli_375 (GD1),

Start 170:

- Found in 233 of 1063 (21.9%) of genes in pham
- Manual Annotations of this start: 11 of 946
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Ariel_51 (J), Blue_61 (A1), Courthouse_51 (J), LittleE_56 (J), Lucky2013_51 (J), MiaZeal_51 (J), Mkhuseleli_58 (A1), Omega_56 (J), Porcelain_50 (J), Sanya_57 (A1), Superphikiman_51 (J), Thibault_45 (J), Thonko_81 (B8),

Start 171:

- Found in 43 of 1063 (4.0%) of genes in pham
- Manual Annotations of this start: 6 of 946
- Called 14.0% of time when present
- Phage (with cluster) where this start called: Fryberger_117 (DP), Guey18_121 (DP), Keelan_118 (DP), Ronaldo_118 (DP), Volt_121 (DP), Ziko_119 (DP),

Start 176:

- Found in 36 of 1063 (3.4%) of genes in pham
- Manual Annotations of this start: 2 of 946
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Aegeus_33 (L5), Baudelaire_33 (L5),

Start 179:

- Found in 108 of 1063 (10.2%) of genes in pham
- Manual Annotations of this start: 6 of 946
- Called 21.3% of time when present
- Phage (with cluster) where this start called: Baoshan_31 (L2), BourbonZero_30 (L3), BrainDrainer_31 (L4), Claus_32 (L2), DHan_32 (L2), DanBing_31 (L2), DirkDirk_30 (L1), Douzhi_30 (L4), FarmResident_30 (L4), Hafay_32 (L2), Jobypre_31 (L3), Kahlid_32 (L2), KirDoubleO7_29 (L3), Lewan_32 (L2), Moostard_31 (L3), PYPDinur_30 (L4), Quby_30 (L4), Rumpelstiltskin_32 (L2), Sarshaun_32 (L2), Sheng711_30 (L4), Soap141_32 (L2), Tyson_30 (L1), ZhongYanYuan_31 (L2),

Start 182:

- Found in 4 of 1063 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 946
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Liebe_36 (AZ2),

Summary by clusters:

There are 68 clusters represented in this pham: AC, GD1, FR, GD3, GD4, M3, FQ, DL, DD, M2, GD2, ED2, K2, K1, FC, M1, K6, K5, K4, AE, K8, FL, JA, DP, CU5, UNK, CU3, CU2, CU1, A1, DO, C2, CQ1, EL, V, E, EH, EK, F1, ED, CA, J, L5, N, L4, R, L2, L3, L1, singleton, EB, FP, K3, CU4, CQ2, B8, FB, AZ, EK2, ED1, EM2, AZ1, AZ2,

AZ3, AZ4, AZ5, EK1, GB,

Info for manual annotations of cluster A1:

- Start number 117 was manually annotated 5 times for cluster A1.
- Start number 118 was manually annotated 30 times for cluster A1.
- Start number 120 was manually annotated 109 times for cluster A1.
- Start number 125 was manually annotated 4 times for cluster A1.
- Start number 128 was manually annotated 10 times for cluster A1.
- Start number 138 was manually annotated 4 times for cluster A1.
- Start number 155 was manually annotated 1 time for cluster A1.
- Start number 170 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster AC:

- Start number 161 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster AE:

- Start number 153 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster AZ:

- Start number 162 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:

- Start number 139 was manually annotated 3 times for cluster AZ1.
- Start number 142 was manually annotated 20 times for cluster AZ1.
- Start number 159 was manually annotated 7 times for cluster AZ1.
- Start number 162 was manually annotated 14 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 162 was manually annotated 2 times for cluster AZ2.
- Start number 182 was manually annotated 1 time for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 137 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 150 was manually annotated 1 time for cluster AZ4.
- Start number 153 was manually annotated 1 time for cluster AZ4.

Info for manual annotations of cluster B8:

- Start number 170 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster C2:

- Start number 115 was manually annotated 2 times for cluster C2.
- Start number 167 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster CA:

- Start number 153 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CQ1:

- Start number 149 was manually annotated 6 times for cluster CQ1.
- Start number 151 was manually annotated 6 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 141 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CU1:

- Start number 164 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 164 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 167 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 167 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster DD:

- Start number 149 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:

- Start number 149 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DO:

- Start number 162 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DP:

- Start number 171 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster E:

- Start number 158 was manually annotated 3 times for cluster E.
- Start number 161 was manually annotated 117 times for cluster E.

Info for manual annotations of cluster EB:

- Start number 152 was manually annotated 7 times for cluster EB.
- Start number 162 was manually annotated 53 times for cluster EB.
- Start number 163 was manually annotated 1 time for cluster EB.

Info for manual annotations of cluster ED:

- Start number 162 was manually annotated 1 time for cluster ED.

Info for manual annotations of cluster ED1:

- Start number 130 was manually annotated 1 time for cluster ED1.
- Start number 162 was manually annotated 12 times for cluster ED1.

Info for manual annotations of cluster ED2:

- Start number 162 was manually annotated 9 times for cluster ED2.

Info for manual annotations of cluster EH:

- Start number 125 was manually annotated 1 time for cluster EH.
- Start number 144 was manually annotated 1 time for cluster EH.
- Start number 145 was manually annotated 1 time for cluster EH.
- Start number 149 was manually annotated 10 times for cluster EH.

Info for manual annotations of cluster EK:

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

Info for manual annotations of cluster EK1:

- Start number 110 was manually annotated 18 times for cluster EK1.

Info for manual annotations of cluster EK2:

- Start number 110 was manually annotated 1 time for cluster EK2.
- Start number 112 was manually annotated 19 times for cluster EK2.

Info for manual annotations of cluster EL:

- Start number 155 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster EM2:

- Start number 159 was manually annotated 1 time for cluster EM2.

Info for manual annotations of cluster F1:

- Start number 117 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster FB:

- Start number 159 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FC:

- Start number 159 was manually annotated 2 times for cluster FC.

Info for manual annotations of cluster FL:

- Start number 133 was manually annotated 1 time for cluster FL.

Info for manual annotations of cluster FP:

- Start number 156 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster FQ:

- Start number 160 was manually annotated 1 time for cluster FQ.

Info for manual annotations of cluster GB:

- Start number 165 was manually annotated 5 times for cluster GB.

Info for manual annotations of cluster GD1:

- Start number 162 was manually annotated 2 times for cluster GD1.
- Start number 168 was manually annotated 4 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 162 was manually annotated 2 times for cluster GD2.
- Start number 166 was manually annotated 2 times for cluster GD2.
- Start number 168 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 162 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 162 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster J:

- Start number 161 was manually annotated 30 times for cluster J.
- Start number 170 was manually annotated 9 times for cluster J.

Info for manual annotations of cluster K1:

- Start number 164 was manually annotated 1 time for cluster K1.
- Start number 165 was manually annotated 102 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 165 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 165 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 153 was manually annotated 13 times for cluster K4.
- Start number 167 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K5:

- Start number 165 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 165 was manually annotated 20 times for cluster K6.

Info for manual annotations of cluster K8:

- Start number 153 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 160 was manually annotated 17 times for cluster L1.
- Start number 179 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 160 was manually annotated 25 times for cluster L2.
- Start number 179 was manually annotated 3 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 160 was manually annotated 15 times for cluster L3.
- Start number 179 was manually annotated 1 time for cluster L3.

Info for manual annotations of cluster L4:

- Start number 160 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 176 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 147 was manually annotated 11 times for cluster M1.
- Start number 162 was manually annotated 2 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 161 was manually annotated 1 time for cluster M2.
- Start number 162 was manually annotated 5 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 162 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 150 was manually annotated 1 time for cluster N.
- Start number 154 was manually annotated 32 times for cluster N.

Info for manual annotations of cluster R:

- Start number 157 was manually annotated 9 times for cluster R.

Info for manual annotations of cluster V:

- Start number 161 was manually annotated 5 times for cluster V.

Gene Information:

Gene: 244_39 Start: 33415, Stop: 33660, Start Num: 161

Candidate Starts for 244_39:

(Start: 161 @33415 has 154 MA's), (184, 33472), (195, 33505), (197, 33511), (216, 33565), (222, 33577),

Gene: A3Wally_218 Start: 118317, Stop: 118063, Start Num: 162

Candidate Starts for A3Wally_218:

(Start: 162 @118317 has 110 MA's), (201, 118203), (211, 118176), (236, 118131),

Gene: A3Wally_20 Start: 7196, Stop: 7426, Start Num: 168

Candidate Starts for A3Wally_20:

(Start: 168 @7196 has 6 MA's), (189, 7268), (253, 7415),

Gene: A3Wally_373 Start: 186417, Stop: 186647, Start Num: 168

Candidate Starts for A3Wally_373:

(Start: 168 @186417 has 6 MA's), (189, 186489), (253, 186636),

Gene: A6_54 Start: 38910, Stop: 38635, Start Num: 120

Candidate Starts for A6_54:

(Start: 118 @38913 has 30 MA's), (Start: 120 @38910 has 109 MA's), (Start: 125 @38898 has 5 MA's), (Start: 170 @38868 has 11 MA's), (185, 38817), (190, 38802), (197, 38781), (210, 38751), (218, 38721),

Gene: ABCat_36 Start: 33127, Stop: 33372, Start Num: 161

Candidate Starts for ABCat_36:

(Start: 161 @33127 has 154 MA's), (184, 33184), (195, 33217), (197, 33223), (216, 33277), (222, 33289),

Gene: AEgle_32 Start: 24443, Stop: 24685, Start Num: 159

Candidate Starts for AEgle_32:

(Start: 159 @24443 has 12 MA's),

Gene: AFIS_58 Start: 39979, Stop: 39713, Start Num: 120

Candidate Starts for AFIS_58:

(Start: 118 @39982 has 30 MA's), (Start: 120 @39979 has 109 MA's), (Start: 125 @39967 has 5 MA's), (Start: 170 @39946 has 11 MA's), (185, 39895), (190, 39880), (197, 39859), (210, 39829), (218, 39799), (255, 39724),

Gene: AGrandiflora_34 Start: 24670, Stop: 24936, Start Num: 142
Candidate Starts for AGrandiflora_34:
(32, 24412), (41, 24448), (Start: 142 @24670 has 20 MA's), (219, 24853),

Gene: ASegato_34 Start: 9990, Stop: 10244, Start Num: 162
Candidate Starts for ASegato_34:
(Start: 144 @9975 has 1 MA's), (Start: 162 @9990 has 110 MA's), (180, 10035), (197, 10086), (202, 10104), (211, 10122), (213, 10134),

Gene: Abbysshoes_63 Start: 41669, Stop: 41403, Start Num: 120
Candidate Starts for Abbysshoes_63:
(Start: 118 @41672 has 30 MA's), (Start: 120 @41669 has 109 MA's), (Start: 125 @41657 has 5 MA's), (Start: 170 @41636 has 11 MA's), (185, 41585), (190, 41570), (197, 41549), (210, 41519), (218, 41489),

Gene: Abigail_35 Start: 24992, Stop: 25222, Start Num: 162
Candidate Starts for Abigail_35:
(Start: 162 @24992 has 110 MA's),

Gene: Abrogate_610 Start: 42660, Stop: 42409, Start Num: 138
Candidate Starts for Abrogate_610:
(Start: 120 @42684 has 109 MA's), (Start: 138 @42660 has 4 MA's), (185, 42591), (190, 42576), (197, 42555), (203, 42534), (210, 42525), (218, 42495),

Gene: Abscondus_124 Start: 70975, Stop: 71268, Start Num: 149
Candidate Starts for Abscondus_124:
(Start: 149 @70975 has 23 MA's), (Start: 176 @71023 has 2 MA's), (218, 71152),

Gene: Acme_64 Start: 41595, Stop: 41326, Start Num: 118
Candidate Starts for Acme_64:
(Start: 118 @41595 has 30 MA's), (Start: 120 @41592 has 109 MA's), (Start: 125 @41580 has 5 MA's), (Start: 170 @41559 has 11 MA's), (185, 41508), (190, 41493), (197, 41472), (210, 41442), (218, 41412), (255, 41337),

Gene: Acquire49_30 Start: 27690, Stop: 27959, Start Num: 160
Candidate Starts for Acquire49_30:
(Start: 160 @27690 has 62 MA's), (Start: 179 @27735 has 6 MA's), (218, 27843),

Gene: ActinUp_66 Start: 43467, Stop: 43709, Start Num: 165
Candidate Starts for ActinUp_66:
(Start: 165 @43467 has 167 MA's), (195, 43557), (237, 43653), (247, 43677),

Gene: AddiRose_51 Start: 34005, Stop: 34238, Start Num: 157
Candidate Starts for AddiRose_51:
(Start: 157 @34005 has 9 MA's), (208, 34140),

Gene: Adephagia_66 Start: 43504, Stop: 43746, Start Num: 165
Candidate Starts for Adephagia_66:
(Start: 165 @43504 has 167 MA's), (195, 43594), (237, 43690), (247, 43714),

Gene: Adnama_40 Start: 33642, Stop: 33887, Start Num: 161

Candidate Starts for Adnama_40:

(Start: 161 @33642 has 154 MA's), (184, 33699), (195, 33732), (197, 33738), (216, 33792), (222, 33804),

Gene: Adolin_32 Start: 23104, Stop: 23349, Start Num: 159

Candidate Starts for Adolin_32:

(21, 22735), (32, 22849), (41, 22885), (Start: 159 @23104 has 12 MA's),

Gene: Adonis_66 Start: 43739, Stop: 43981, Start Num: 165

Candidate Starts for Adonis_66:

(Start: 165 @43739 has 167 MA's), (195, 43829), (237, 43925), (247, 43949),

Gene: Adumb2043_32 Start: 24438, Stop: 24704, Start Num: 139

Candidate Starts for Adumb2043_32:

(14, 23982), (32, 24183), (41, 24219), (Start: 139 @24438 has 3 MA's), (219, 24621),

Gene: Aegeus_33 Start: 27825, Stop: 28055, Start Num: 176

Candidate Starts for Aegeus_33:

(Start: 160 @27789 has 62 MA's), (174, 27816), (Start: 176 @27825 has 2 MA's), (185, 27852), (195, 27882), (202, 27903), (218, 27942), (219, 27945), (222, 27948), (248, 28005), (250, 28014),

Gene: Aeneas_65 Start: 43097, Stop: 42828, Start Num: 118

Candidate Starts for Aeneas_65:

(Start: 118 @43097 has 30 MA's), (Start: 120 @43094 has 109 MA's), (Start: 125 @43082 has 5 MA's), (Start: 170 @43061 has 11 MA's), (185, 43010), (190, 42995), (197, 42974), (210, 42944), (218, 42914),

Gene: Agaliana_56 Start: 37891, Stop: 37616, Start Num: 120

Candidate Starts for Agaliana_56:

(Start: 118 @37894 has 30 MA's), (Start: 120 @37891 has 109 MA's), (Start: 125 @37879 has 5 MA's), (Start: 170 @37849 has 11 MA's), (185, 37798), (190, 37783), (197, 37762), (210, 37732), (218, 37702),

Gene: Agent47_60 Start: 40769, Stop: 41017, Start Num: 165

Candidate Starts for Agent47_60:

(Start: 165 @40769 has 167 MA's), (211, 40901), (219, 40931), (243, 40964),

Gene: Ageofdapage_70 Start: 44895, Stop: 45137, Start Num: 165

Candidate Starts for Ageofdapage_70:

(Start: 165 @44895 has 167 MA's), (195, 44985), (237, 45081), (247, 45105),

Gene: Aikoy_52 Start: 39434, Stop: 39189, Start Num: 153

Candidate Starts for Aikoy_52:

(Start: 153 @39434 has 56 MA's), (185, 39374), (194, 39347), (210, 39308), (216, 39284), (218, 39278), (221, 39272), (236, 39248),

Gene: AinMach_35 Start: 25558, Stop: 25839, Start Num: 159

Candidate Starts for AinMach_35:

(65, 25390), (Start: 137 @25534 has 2 MA's), (Start: 159 @25558 has 12 MA's), (217, 25723),

Gene: Ajay_62 Start: 41482, Stop: 41216, Start Num: 120

Candidate Starts for Ajay_62:

(Start: 118 @41485 has 30 MA's), (Start: 120 @41482 has 109 MA's), (Start: 125 @41470 has 5 MA's), (Start: 170 @41449 has 11 MA's), (185, 41398), (190, 41383), (197, 41362), (210, 41332), (218, 41302), (255, 41227),

Gene: Akoni_9 Start: 6089, Stop: 5751, Start Num: 112

Candidate Starts for Akoni_9:

(57, 6161), (Start: 112 @6089 has 19 MA's), (134, 6050), (178, 5978), (192, 5939), (204, 5897), (247, 5798),

Gene: Alatin_45 Start: 34365, Stop: 34069, Start Num: 153

Candidate Starts for Alatin_45:

(Start: 153 @34365 has 56 MA's), (169, 34347), (Start: 171 @34341 has 6 MA's), (210, 34224), (219, 34191), (222, 34185), (253, 34125), (263, 34077),

Gene: Albedo_36 Start: 25530, Stop: 25772, Start Num: 162

Candidate Starts for Albedo_36:

(Start: 162 @25530 has 110 MA's), (252, 25764),

Gene: Albright_34 Start: 24694, Stop: 24924, Start Num: 162

Candidate Starts for Albright_34:

(Start: 162 @24694 has 110 MA's),

Gene: Alex44_9 Start: 6356, Stop: 6036, Start Num: 110

Candidate Starts for Alex44_9:

(52, 6476), (65, 6446), (Start: 110 @6356 has 22 MA's), (143, 6305), (Start: 154 @6290 has 32 MA's), (Start: 179 @6242 has 6 MA's), (234, 6101),

Gene: AlishaPH_66 Start: 43765, Stop: 44007, Start Num: 165

Candidate Starts for AlishaPH_66:

(Start: 165 @43765 has 167 MA's), (195, 43855), (237, 43951), (247, 43975),

Gene: Alleb_29 Start: 9182, Stop: 9436, Start Num: 162

Candidate Starts for Alleb_29:

(123, 9134), (148, 9167), (Start: 162 @9182 has 110 MA's), (180, 9227), (192, 9263), (222, 9350),

Gene: AlleyCat_62 Start: 41081, Stop: 41329, Start Num: 165

Candidate Starts for AlleyCat_62:

(Start: 165 @41081 has 167 MA's), (190, 41156), (215, 41228),

Gene: AloeVera_9 Start: 6089, Stop: 5751, Start Num: 112

Candidate Starts for AloeVera_9:

(57, 6161), (Start: 112 @6089 has 19 MA's), (178, 5978), (192, 5939), (247, 5798),

Gene: Alpacados_45 Start: 34270, Stop: 33974, Start Num: 153

Candidate Starts for Alpacados_45:

(Start: 153 @34270 has 56 MA's), (169, 34252), (Start: 171 @34246 has 6 MA's), (210, 34129), (219, 34096), (222, 34090), (253, 34030), (263, 33982),

Gene: Alsfro_68 Start: 41762, Stop: 41487, Start Num: 120

Candidate Starts for Alsfro_68:

(Start: 118 @41765 has 30 MA's), (Start: 120 @41762 has 109 MA's), (Start: 125 @41750 has 5 MA's), (Start: 170 @41720 has 11 MA's), (185, 41669), (190, 41654), (197, 41633), (210, 41603),

(218, 41573), (255, 41498),

Gene: Altman_64 Start: 41400, Stop: 41125, Start Num: 120

Candidate Starts for Altman_64:

(Start: 118 @41403 has 30 MA's), (Start: 120 @41400 has 109 MA's), (Start: 125 @41388 has 5 MA's), (185, 41307), (190, 41292), (197, 41271), (210, 41241), (218, 41211),

Gene: Alvin_62 Start: 41227, Stop: 40952, Start Num: 120

Candidate Starts for Alvin_62:

(67, 41332), (68, 41329), (88, 41284), (97, 41266), (Start: 118 @41230 has 30 MA's), (Start: 120 @41227 has 109 MA's), (Start: 125 @41215 has 5 MA's), (Start: 170 @41185 has 11 MA's), (185, 41134), (190, 41119), (197, 41098), (210, 41068), (218, 41038), (245, 40993), (255, 40963),

Gene: Amao_37 Start: 32339, Stop: 32584, Start Num: 161

Candidate Starts for Amao_37:

(Start: 161 @32339 has 154 MA's), (184, 32396), (195, 32429), (197, 32435), (214, 32483), (216, 32489), (222, 32501),

Gene: Amelie_55 Start: 40941, Stop: 41186, Start Num: 165

Candidate Starts for Amelie_55:

(101, 40869), (Start: 165 @40941 has 167 MA's), (200, 41046), (215, 41088), (237, 41124),

Gene: AmericanBeauty_39 Start: 33122, Stop: 33367, Start Num: 161

Candidate Starts for AmericanBeauty_39:

(Start: 161 @33122 has 154 MA's), (184, 33179), (195, 33212), (197, 33218), (216, 33272), (222, 33284),

Gene: Amohndition_66 Start: 44113, Stop: 44352, Start Num: 165

Candidate Starts for Amohndition_66:

(Start: 165 @44113 has 167 MA's), (195, 44203), (215, 44263),

Gene: Amyev_33 Start: 26378, Stop: 26620, Start Num: 162

Candidate Starts for Amyev_33:

(Start: 162 @26378 has 110 MA's),

Gene: Anaya_69 Start: 44458, Stop: 44700, Start Num: 165

Candidate Starts for Anaya_69:

(101, 44380), (Start: 165 @44458 has 167 MA's), (195, 44548), (237, 44644), (247, 44668),

Gene: Andies_48 Start: 34452, Stop: 34700, Start Num: 154

Candidate Starts for Andies_48:

(Start: 154 @34452 has 32 MA's), (Start: 167 @34464 has 4 MA's), (218, 34614), (219, 34617), (255, 34692),

Gene: Angelica_66 Start: 43657, Stop: 43899, Start Num: 165

Candidate Starts for Angelica_66:

(Start: 165 @43657 has 167 MA's), (195, 43747), (237, 43843), (247, 43867),

Gene: Anglerfish_62 Start: 41575, Stop: 41306, Start Num: 118

Candidate Starts for Anglerfish_62:

(Start: 118 @41575 has 30 MA's), (Start: 120 @41572 has 109 MA's), (Start: 125 @41560 has 5 MA's), (Start: 167 @41545 has 4 MA's), (Start: 170 @41539 has 11 MA's), (185, 41488), (190, 41473), (197, 41452), (210, 41422), (218, 41392),

Gene: AngryOrchard_44 Start: 34430, Stop: 34134, Start Num: 153

Candidate Starts for AngryOrchard_44:

(Start: 153 @34430 has 56 MA's), (169, 34412), (Start: 171 @34406 has 6 MA's), (210, 34289), (219, 34256), (222, 34250), (253, 34190), (263, 34142),

Gene: AnnaLie_37 Start: 25815, Stop: 26045, Start Num: 162

Candidate Starts for AnnaLie_37:

(Start: 162 @25815 has 110 MA's),

Gene: AnnabelLee_3 Start: 977, Stop: 1246, Start Num: 153

Candidate Starts for AnnabelLee_3:

(Start: 153 @977 has 56 MA's),

Gene: Aphelion_125 Start: 72038, Stop: 72331, Start Num: 149

Candidate Starts for Aphelion_125:

(Start: 149 @72038 has 23 MA's), (Start: 176 @72086 has 2 MA's), (218, 72215),

Gene: Apocalypse_69 Start: 44420, Stop: 44662, Start Num: 164

Candidate Starts for Apocalypse_69:

(Start: 164 @44420 has 10 MA's), (195, 44510), (237, 44606), (247, 44630),

Gene: AppleCloud_43 Start: 34089, Stop: 33793, Start Num: 153

Candidate Starts for AppleCloud_43:

(Start: 153 @34089 has 56 MA's), (169, 34071), (Start: 171 @34065 has 6 MA's), (209, 33951), (210, 33948), (219, 33915), (222, 33909),

Gene: Applejack_60 Start: 39669, Stop: 39418, Start Num: 138

Candidate Starts for Applejack_60:

(Start: 120 @39693 has 109 MA's), (Start: 138 @39669 has 4 MA's), (185, 39600), (190, 39585), (197, 39564), (210, 39534), (218, 39504),

Gene: Appletree2_30 Start: 27633, Stop: 27902, Start Num: 160

Candidate Starts for Appletree2_30:

(Start: 160 @27633 has 62 MA's), (Start: 179 @27678 has 6 MA's), (218, 27786),

Gene: ArMaWen_9 Start: 6356, Stop: 6033, Start Num: 110

Candidate Starts for ArMaWen_9:

(65, 6446), (Start: 110 @6356 has 22 MA's), (143, 6305), (173, 6260), (Start: 179 @6242 has 6 MA's), (241, 6086),

Gene: Arcanine_64 Start: 42296, Stop: 42030, Start Num: 120

Candidate Starts for Arcanine_64:

(Start: 118 @42299 has 30 MA's), (Start: 120 @42296 has 109 MA's), (Start: 125 @42284 has 5 MA's), (Start: 167 @42269 has 4 MA's), (Start: 170 @42263 has 11 MA's), (185, 42212), (190, 42197), (197, 42176), (210, 42146), (218, 42116),

Gene: Archie_32 Start: 28911, Stop: 29177, Start Num: 160

Candidate Starts for Archie_32:

(Start: 160 @28911 has 62 MA's), (Start: 179 @28956 has 6 MA's), (196, 29007), (202, 29025), (223, 29073), (255, 29145), (262, 29166),

Gene: Argent26_39 Start: 33125, Stop: 33370, Start Num: 161

Candidate Starts for Argent26_39:

(Start: 161 @33125 has 154 MA's), (184, 33182), (195, 33215), (197, 33221), (216, 33275), (222, 33287),

Gene: Ariel_51 Start: 40408, Stop: 40647, Start Num: 170

Candidate Starts for Ariel_51:

(Start: 170 @40408 has 11 MA's), (177, 40435), (195, 40489), (196, 40492), (218, 40549), (239, 40585),

Gene: Armstrong_33 Start: 23408, Stop: 23647, Start Num: 152

Candidate Starts for Armstrong_33:

(38, 23165), (47, 23195), (Start: 152 @23408 has 8 MA's), (Start: 162 @23417 has 110 MA's), (195, 23504), (241, 23609), (252, 23639),

Gene: Arroyo_37 Start: 25853, Stop: 26083, Start Num: 162

Candidate Starts for Arroyo_37:

(Start: 162 @25853 has 110 MA's),

Gene: Asa16_34 Start: 26607, Stop: 26864, Start Num: 159

Candidate Starts for Asa16_34:

(32, 26370), (34, 26379), (Start: 159 @26607 has 12 MA's), (180, 26655), (221, 26772),

Gene: Asayake_66 Start: 43819, Stop: 44061, Start Num: 165

Candidate Starts for Asayake_66:

(Start: 165 @43819 has 167 MA's), (195, 43909), (237, 44005), (247, 44029),

Gene: Ascela_34 Start: 24798, Stop: 25064, Start Num: 142

Candidate Starts for Ascela_34:

(Start: 142 @24798 has 20 MA's), (219, 24981),

Gene: Ashballer_65 Start: 42043, Stop: 41777, Start Num: 120

Candidate Starts for Ashballer_65:

(Start: 118 @42046 has 30 MA's), (Start: 120 @42043 has 109 MA's), (Start: 125 @42031 has 5 MA's), (Start: 170 @42010 has 11 MA's), (185, 41959), (190, 41944), (197, 41923), (210, 41893), (218, 41863),

Gene: Ashes_35 Start: 22585, Stop: 22851, Start Num: 149

Candidate Starts for Ashes_35:

(Start: 149 @22585 has 23 MA's), (Start: 165 @22600 has 167 MA's), (187, 22663), (193, 22681), (226, 22783),

Gene: Ashton_9 Start: 6093, Stop: 5755, Start Num: 112

Candidate Starts for Ashton_9:

(57, 6165), (Start: 112 @6093 has 19 MA's), (134, 6054), (178, 5982), (192, 5943), (204, 5901), (247, 5802),

Gene: Asriel_36 Start: 31996, Stop: 32241, Start Num: 161

Candidate Starts for Asriel_36:

(Start: 161 @31996 has 154 MA's), (184, 32053), (195, 32086), (197, 32092), (216, 32146), (222, 32158),

Gene: Astartes_9 Start: 6131, Stop: 5775, Start Num: 112

Candidate Starts for Astartes_9:

(Start: 112 @6131 has 19 MA's), (134, 6092), (146, 6077), (192, 5981), (229, 5873), (235, 5864), (246, 5825),

Gene: Atiba_67 Start: 43467, Stop: 43709, Start Num: 165

Candidate Starts for Atiba_67:

(Start: 165 @43467 has 167 MA's), (195, 43557), (237, 43653), (247, 43677),

Gene: Atkinbua_64 Start: 41089, Stop: 40823, Start Num: 117

Candidate Starts for Atkinbua_64:

(Start: 117 @41089 has 6 MA's), (Start: 125 @41077 has 5 MA's), (Start: 170 @41056 has 11 MA's), (185, 41005), (190, 40990), (197, 40969), (210, 40939), (218, 40909), (255, 40834),

Gene: Atraxi_9 Start: 6096, Stop: 5740, Start Num: 112

Candidate Starts for Atraxi_9:

(Start: 112 @6096 has 19 MA's), (134, 6057), (146, 6042), (235, 5829), (246, 5790),

Gene: Atuin_105 Start: 87057, Stop: 87320, Start Num: 162

Candidate Starts for Atuin_105:

(Start: 162 @87057 has 110 MA's), (236, 87246),

Gene: Auspice_39 Start: 32780, Stop: 33040, Start Num: 162

Candidate Starts for Auspice_39:

(82, 32651), (Start: 147 @32762 has 11 MA's), (Start: 162 @32780 has 110 MA's), (185, 32843), (215, 32930), (218, 32939), (222, 32948),

Gene: AvGardian_38 Start: 25976, Stop: 26215, Start Num: 162

Candidate Starts for AvGardian_38:

(105, 25892), (Start: 152 @25967 has 8 MA's), (Start: 162 @25976 has 110 MA's), (195, 26063),

Gene: AvadaKedavra_30 Start: 27700, Stop: 27969, Start Num: 160

Candidate Starts for AvadaKedavra_30:

(Start: 160 @27700 has 62 MA's), (Start: 179 @27745 has 6 MA's), (218, 27853),

Gene: Avocadoman_35 Start: 24931, Stop: 25161, Start Num: 162

Candidate Starts for Avocadoman_35:

(Start: 162 @24931 has 110 MA's),

Gene: Aziz_44 Start: 33930, Stop: 34181, Start Num: 162

Candidate Starts for Aziz_44:

(Start: 162 @33930 has 110 MA's), (195, 34023), (213, 34074), (214, 34077), (219, 34092), (250, 34146),

Gene: Azrael100_52 Start: 39360, Stop: 39608, Start Num: 161

Candidate Starts for Azrael100_52:

(Start: 161 @39360 has 154 MA's), (191, 39441), (210, 39489), (219, 39522), (221, 39525), (222, 39528), (240, 39561), (250, 39597),

Gene: BAKA_56 Start: 44234, Stop: 44479, Start Num: 161

Candidate Starts for BAKA_56:

(Start: 161 @44234 has 154 MA's), (185, 44297), (195, 44327), (196, 44330), (219, 44390), (222, 44393), (223, 44396),

Gene: BAjuniper_35 Start: 26652, Stop: 26891, Start Num: 163

Candidate Starts for BAjuniper_35:

(Start: 163 @26652 has 1 MA's), (180, 26694), (213, 26793), (215, 26799), (224, 26814), (241, 26844),

Gene: BEEST_66 Start: 43819, Stop: 44061, Start Num: 165

Candidate Starts for BEEST_66:

(Start: 165 @43819 has 167 MA's), (195, 43909), (237, 44005), (247, 44029),

Gene: BFK20_ORF53 Start: 41569, Stop: 41835, Start Num: 151

Candidate Starts for BFK20_ORF53:

(129, 41539), (Start: 147 @41563 has 11 MA's), (Start: 151 @41569 has 6 MA's), (181, 41629), (195, 41671), (197, 41677), (220, 41737),

Gene: BGlluviae_66 Start: 43622, Stop: 43864, Start Num: 165

Candidate Starts for BGlluviae_66:

(Start: 165 @43622 has 167 MA's), (195, 43712), (237, 43808), (247, 43832),

Gene: BK1_54 Start: 38910, Stop: 38635, Start Num: 120

Candidate Starts for BK1_54:

(Start: 118 @38913 has 30 MA's), (Start: 120 @38910 has 109 MA's), (Start: 125 @38898 has 5 MA's), (Start: 170 @38868 has 11 MA's), (185, 38817), (190, 38802), (197, 38781), (210, 38751), (218, 38721),

Gene: BPBiubs31_64 Start: 41826, Stop: 41557, Start Num: 118

Candidate Starts for BPBiubs31_64:

(Start: 118 @41826 has 30 MA's), (Start: 120 @41823 has 109 MA's), (Start: 125 @41811 has 5 MA's), (Start: 167 @41796 has 4 MA's), (Start: 170 @41790 has 11 MA's), (190, 41724), (197, 41703), (210, 41673), (218, 41643),

Gene: BabeRuth_56 Start: 36173, Stop: 36421, Start Num: 154

Candidate Starts for BabeRuth_56:

(Start: 154 @36173 has 32 MA's), (Start: 167 @36185 has 4 MA's), (218, 36335), (219, 36338), (255, 36413),

Gene: BaboJay_37 Start: 33214, Stop: 33462, Start Num: 158

Candidate Starts for BaboJay_37:

(113, 33145), (114, 33148), (Start: 128 @33175 has 10 MA's), (Start: 158 @33214 has 3 MA's), (184, 33274), (195, 33307), (197, 33313), (216, 33367), (222, 33379),

Gene: BabyDaisy_35 Start: 25454, Stop: 25684, Start Num: 162

Candidate Starts for BabyDaisy_35:

(80, 25325), (81, 25328), (88, 25343), (95, 25358), (97, 25361), (105, 25370), (Start: 152 @25445 has 8 MA's), (Start: 162 @25454 has 110 MA's), (213, 25595),

Gene: BabyYoda_37 Start: 26596, Stop: 26829, Start Num: 162

Candidate Starts for BabyYoda_37:

(105, 26512), (Start: 152 @26587 has 8 MA's), (Start: 162 @26596 has 110 MA's),

Gene: Bachaco_34 Start: 26614, Stop: 26844, Start Num: 162

Candidate Starts for Bachaco_34:

(81, 26485), (84, 26494), (88, 26500), (92, 26509), (99, 26521), (103, 26527), (111, 26539), (Start: 152 @26605 has 8 MA's), (Start: 162 @26614 has 110 MA's), (195, 26701), (213, 26755), (241, 26806), (252, 26836),

Gene: Bachita_128 Start: 71997, Stop: 72287, Start Num: 151
Candidate Starts for Bachita_128:
(85, 71889), (93, 71904), (119, 71949), (Start: 151 @71997 has 6 MA's), (Start: 176 @72042 has 2 MA's), (218, 72171),

Gene: BaconJack_66 Start: 44013, Stop: 43747, Start Num: 120
Candidate Starts for BaconJack_66:
(Start: 118 @44016 has 30 MA's), (Start: 120 @44013 has 109 MA's), (Start: 125 @44001 has 5 MA's), (Start: 170 @43980 has 11 MA's), (185, 43929), (190, 43914), (197, 43893), (210, 43863), (218, 43833),

Gene: BadStone_36 Start: 33127, Stop: 33372, Start Num: 161
Candidate Starts for BadStone_36:
(Start: 161 @33127 has 154 MA's), (184, 33184), (195, 33217), (197, 33223), (214, 33271), (216, 33277), (222, 33289),

Gene: BaghaKamala_66 Start: 43286, Stop: 43528, Start Num: 165
Candidate Starts for BaghaKamala_66:
(Start: 120 @43241 has 109 MA's), (Start: 165 @43286 has 167 MA's), (195, 43376), (237, 43472), (247, 43496),

Gene: Bagrid_51 Start: 43567, Stop: 43812, Start Num: 161
Candidate Starts for Bagrid_51:
(Start: 161 @43567 has 154 MA's), (185, 43630), (195, 43660), (196, 43663), (219, 43723), (222, 43726), (223, 43729),

Gene: BaileyBlu_34 Start: 24331, Stop: 24588, Start Num: 156
Candidate Starts for BaileyBlu_34:
(53, 24157), (57, 24166), (Start: 156 @24331 has 2 MA's), (213, 24487), (238, 24529), (240, 24535),

Gene: Balomoji_36 Start: 32861, Stop: 33106, Start Num: 161
Candidate Starts for Balomoji_36:
(Start: 161 @32861 has 154 MA's), (184, 32918), (195, 32951), (197, 32957), (214, 33005), (216, 33011), (222, 33023),

Gene: Banquo_62 Start: 38905, Stop: 39129, Start Num: 164
Candidate Starts for Banquo_62:
(Start: 164 @38905 has 10 MA's), (180, 38947), (195, 38992), (198, 39001), (216, 39052), (219, 39061), (237, 39082),

Gene: Bantam_85 Start: 57381, Stop: 57115, Start Num: 149
Candidate Starts for Bantam_85:
(Start: 149 @57381 has 23 MA's), (175, 57333),

Gene: Baoshan_31 Start: 28288, Stop: 28509, Start Num: 179
Candidate Starts for Baoshan_31:
(Start: 160 @28243 has 62 MA's), (Start: 179 @28288 has 6 MA's), (196, 28339), (255, 28477), (262, 28498),

Gene: Barbarian_36 Start: 31996, Stop: 32241, Start Num: 161
Candidate Starts for Barbarian_36:

(Start: 161 @31996 has 154 MA's), (184, 32053), (195, 32086), (197, 32092), (216, 32146), (222, 32158),

Gene: BarnCat_46 Start: 30635, Stop: 30874, Start Num: 165

Candidate Starts for BarnCat_46:

(84, 30518), (94, 30536), (Start: 165 @30635 has 167 MA's), (185, 30692), (194, 30719), (197, 30728),

Gene: Barnstormer_41 Start: 26907, Stop: 27167, Start Num: 149

Candidate Starts for Barnstormer_41:

(71, 26781), (Start: 149 @26907 has 23 MA's),

Gene: BarrelRoll_67 Start: 43905, Stop: 44147, Start Num: 165

Candidate Starts for BarrelRoll_67:

(Start: 165 @43905 has 167 MA's), (195, 43995), (237, 44091), (247, 44115),

Gene: Barriga_65 Start: 40220, Stop: 39954, Start Num: 120

Candidate Starts for Barriga_65:

(Start: 118 @40223 has 30 MA's), (Start: 120 @40220 has 109 MA's), (Start: 125 @40208 has 5 MA's), (Start: 170 @40187 has 11 MA's), (185, 40136), (190, 40121), (197, 40100), (210, 40070), (218, 40040), (255, 39965),

Gene: Barroma_9 Start: 6089, Stop: 5751, Start Num: 112

Candidate Starts for Barroma_9:

(57, 6161), (Start: 112 @6089 has 19 MA's), (134, 6050), (178, 5978), (192, 5939), (247, 5798),

Gene: Bask21_37 Start: 32313, Stop: 32558, Start Num: 161

Candidate Starts for Bask21_37:

(Start: 161 @32313 has 154 MA's), (184, 32370), (195, 32403), (197, 32409), (216, 32463), (222, 32475),

Gene: Baudelaire_33 Start: 27825, Stop: 28055, Start Num: 176

Candidate Starts for Baudelaire_33:

(Start: 160 @27789 has 62 MA's), (174, 27816), (Start: 176 @27825 has 2 MA's), (185, 27852), (195, 27882), (202, 27903), (218, 27942), (219, 27945), (222, 27948), (248, 28005), (250, 28014),

Gene: Bazzle_32 Start: 28660, Stop: 28926, Start Num: 160

Candidate Starts for Bazzle_32:

(Start: 160 @28660 has 62 MA's), (Start: 179 @28705 has 6 MA's), (196, 28756), (202, 28774), (223, 28822), (255, 28894), (262, 28915),

Gene: Beatrix_61 Start: 42133, Stop: 41867, Start Num: 120

Candidate Starts for Beatrix_61:

(Start: 118 @42136 has 30 MA's), (Start: 120 @42133 has 109 MA's), (Start: 125 @42121 has 5 MA's), (Start: 170 @42097 has 11 MA's), (184, 42052), (190, 42034), (197, 42013), (210, 41983), (218, 41953), (255, 41878),

Gene: Beem_52 Start: 44133, Stop: 44378, Start Num: 161

Candidate Starts for Beem_52:

(Start: 161 @44133 has 154 MA's), (185, 44196), (195, 44226), (196, 44229), (219, 44289), (222, 44292), (223, 44295),

Gene: BeesKnees_64 Start: 40665, Stop: 40390, Start Num: 120

Candidate Starts for BeesKnees_64:

(Start: 120 @40665 has 109 MA's), (Start: 125 @40653 has 5 MA's), (185, 40572), (190, 40557), (197, 40536), (210, 40506), (218, 40476),

Gene: Beezoo_68 Start: 44417, Stop: 44659, Start Num: 165

Candidate Starts for Beezoo_68:

(Start: 165 @44417 has 167 MA's), (195, 44507), (237, 44603), (247, 44627),

Gene: Belenaria_46 Start: 34231, Stop: 33935, Start Num: 153

Candidate Starts for Belenaria_46:

(Start: 153 @34231 has 56 MA's), (169, 34213), (Start: 171 @34207 has 6 MA's), (210, 34090), (219, 34057), (222, 34051), (253, 33991), (263, 33943),

Gene: Bella96_67 Start: 44208, Stop: 44450, Start Num: 165

Candidate Starts for Bella96_67:

(Start: 165 @44208 has 167 MA's), (195, 44298), (237, 44394), (247, 44418),

Gene: Belladonna_66 Start: 43622, Stop: 43864, Start Num: 165

Candidate Starts for Belladonna_66:

(Start: 165 @43622 has 167 MA's), (195, 43712), (237, 43808), (247, 43832),

Gene: Bellis_31 Start: 28787, Stop: 29053, Start Num: 160

Candidate Starts for Bellis_31:

(Start: 160 @28787 has 62 MA's), (Start: 170 @28799 has 11 MA's), (Start: 179 @28832 has 6 MA's),

Gene: BelmontSKP_37 Start: 25815, Stop: 26045, Start Num: 162

Candidate Starts for BelmontSKP_37:

(Start: 162 @25815 has 110 MA's),

Gene: Bench_39 Start: 32995, Stop: 33240, Start Num: 161

Candidate Starts for Bench_39:

(Start: 161 @32995 has 154 MA's), (184, 33052), (195, 33085), (197, 33091), (216, 33145), (222, 33157),

Gene: Bernstein_33 Start: 23463, Stop: 23702, Start Num: 152

Candidate Starts for Bernstein_33:

(38, 23220), (47, 23250), (Start: 152 @23463 has 8 MA's), (Start: 162 @23472 has 110 MA's), (195, 23559), (241, 23664), (252, 23694),

Gene: Berrie_34 Start: 25682, Stop: 25942, Start Num: 142

Candidate Starts for Berrie_34:

(37, 25445), (39, 25454), (Start: 142 @25682 has 20 MA's),

Gene: Bethlehem_61 Start: 42502, Stop: 42233, Start Num: 118

Candidate Starts for Bethlehem_61:

(Start: 118 @42502 has 30 MA's), (Start: 120 @42499 has 109 MA's), (Start: 125 @42487 has 5 MA's), (Start: 141 @42472 has 2 MA's), (Start: 170 @42466 has 11 MA's), (185, 42415), (190, 42400), (197, 42379), (210, 42349), (218, 42319), (255, 42244),

Gene: Bexan_59 Start: 41912, Stop: 41646, Start Num: 120

Candidate Starts for Bexan_59:

(Start: 118 @41915 has 30 MA's), (Start: 120 @41912 has 109 MA's), (Start: 125 @41900 has 5 MA's), (Start: 170 @41876 has 11 MA's), (184, 41831), (190, 41813), (210, 41762), (255, 41657),

Gene: Big3_63 Start: 42551, Stop: 42288, Start Num: 120

Candidate Starts for Big3_63:

(Start: 118 @42554 has 30 MA's), (Start: 120 @42551 has 109 MA's), (Start: 125 @42539 has 5 MA's), (Start: 170 @42518 has 11 MA's), (185, 42467), (190, 42452), (197, 42431), (210, 42401), (218, 42371), (255, 42299),

Gene: Big4_346 Start: 183627, Stop: 183857, Start Num: 168

Candidate Starts for Big4_346:

(Start: 168 @183627 has 6 MA's), (189, 183699), (253, 183846),

Gene: Big4_20 Start: 8933, Stop: 9163, Start Num: 168

Candidate Starts for Big4_20:

(Start: 168 @8933 has 6 MA's), (189, 9005), (253, 9152),

Gene: Big4_204 Start: 114726, Stop: 114472, Start Num: 162

Candidate Starts for Big4_204:

(122, 114774), (Start: 162 @114726 has 110 MA's),

Gene: BigBubba_38 Start: 32898, Stop: 33143, Start Num: 161

Candidate Starts for BigBubba_38:

(Start: 161 @32898 has 154 MA's), (184, 32955), (195, 32988), (197, 32994), (214, 33042), (216, 33048), (222, 33060),

Gene: BigCheese_32 Start: 28422, Stop: 28688, Start Num: 160

Candidate Starts for BigCheese_32:

(Start: 160 @28422 has 62 MA's), (Start: 179 @28467 has 6 MA's), (196, 28518), (223, 28584), (255, 28656), (262, 28677),

Gene: BigPaolini_59 Start: 39208, Stop: 38933, Start Num: 120

Candidate Starts for BigPaolini_59:

(Start: 118 @39211 has 30 MA's), (Start: 120 @39208 has 109 MA's), (Start: 125 @39196 has 5 MA's), (Start: 170 @39166 has 11 MA's), (185, 39115), (190, 39100), (197, 39079), (210, 39049), (218, 39019),

Gene: Bigfoot_54 Start: 40154, Stop: 39888, Start Num: 120

Candidate Starts for Bigfoot_54:

(Start: 118 @40157 has 30 MA's), (Start: 120 @40154 has 109 MA's), (Start: 125 @40142 has 5 MA's), (Start: 170 @40121 has 11 MA's), (185, 40070), (190, 40055), (197, 40034), (210, 40004), (218, 39974),

Gene: Biglebops_55 Start: 40941, Stop: 41186, Start Num: 165

Candidate Starts for Biglebops_55:

(101, 40869), (Start: 165 @40941 has 167 MA's), (200, 41046), (215, 41088), (237, 41124),

Gene: BilboSwaggins_37 Start: 33135, Stop: 33380, Start Num: 161

Candidate Starts for BilboSwaggins_37:

(Start: 161 @33135 has 154 MA's), (184, 33192), (195, 33225), (197, 33231), (216, 33285), (222, 33297),

Gene: BillKnuckles_59 Start: 42435, Stop: 42130, Start Num: 118

Candidate Starts for BillKnuckles_59:

(Start: 118 @42435 has 30 MA's), (Start: 120 @42432 has 109 MA's), (Start: 125 @42420 has 5 MA's), (Start: 170 @42396 has 11 MA's), (184, 42351), (190, 42333), (210, 42282), (245, 42207), (255, 42177), (262, 42153),

Gene: Biozilla_9 Start: 6310, Stop: 5987, Start Num: 110

Candidate Starts for Biozilla_9:

(40, 6478), (46, 6460), (54, 6427), (Start: 110 @6310 has 22 MA's), (143, 6259), (Start: 154 @6244 has 32 MA's), (Start: 179 @6196 has 6 MA's), (215, 6088), (241, 6040), (246, 6022),

Gene: Bircsak_61 Start: 42809, Stop: 42543, Start Num: 120

Candidate Starts for Bircsak_61:

(Start: 118 @42812 has 30 MA's), (Start: 120 @42809 has 109 MA's), (Start: 125 @42797 has 5 MA's), (Start: 170 @42776 has 11 MA's), (185, 42725), (190, 42710), (197, 42689), (210, 42659), (218, 42629),

Gene: Birdfeeder_9 Start: 6368, Stop: 6045, Start Num: 110

Candidate Starts for Birdfeeder_9:

(Start: 110 @6368 has 22 MA's), (143, 6317), (Start: 179 @6254 has 6 MA's), (241, 6098),

Gene: Blizzard_66 Start: 43819, Stop: 44061, Start Num: 165

Candidate Starts for Blizzard_66:

(Start: 165 @43819 has 167 MA's), (195, 43909), (237, 44005), (247, 44029),

Gene: Bloom_112 Start: 87140, Stop: 87388, Start Num: 159

Candidate Starts for Bloom_112:

(Start: 159 @87140 has 12 MA's), (Start: 165 @87146 has 167 MA's), (Start: 170 @87152 has 11 MA's),

Gene: Blue_61 Start: 41818, Stop: 41588, Start Num: 170

Candidate Starts for Blue_61:

(Start: 118 @41857 has 30 MA's), (Start: 120 @41854 has 109 MA's), (Start: 125 @41842 has 5 MA's), (Start: 170 @41818 has 11 MA's), (184, 41773), (190, 41755), (210, 41704), (245, 41629), (255, 41599),

Gene: Bobby_51 Start: 42712, Stop: 42957, Start Num: 161

Candidate Starts for Bobby_51:

(Start: 161 @42712 has 154 MA's), (212, 42844),

Gene: BobbyDazzler_46 Start: 34344, Stop: 34048, Start Num: 153

Candidate Starts for BobbyDazzler_46:

(Start: 153 @34344 has 56 MA's), (169, 34326), (Start: 171 @34320 has 6 MA's), (210, 34203), (219, 34170), (222, 34164), (253, 34104), (263, 34056),

Gene: BobsGarage_32 Start: 28422, Stop: 28688, Start Num: 160

Candidate Starts for BobsGarage_32:

(Start: 160 @28422 has 62 MA's), (Start: 179 @28467 has 6 MA's), (196, 28518), (223, 28584), (255, 28656), (262, 28677),

Gene: Boiiii_66 Start: 43821, Stop: 44063, Start Num: 165

Candidate Starts for Boiiii_66:

(Start: 165 @43821 has 167 MA's), (195, 43911), (237, 44007), (247, 44031),

Gene: Boilgate_63 Start: 45255, Stop: 45500, Start Num: 153

Candidate Starts for Boilgate_63:

(Start: 153 @45255 has 56 MA's), (Start: 167 @45270 has 4 MA's), (254, 45486), (256, 45489),

Gene: Bombitas_49 Start: 43727, Stop: 43975, Start Num: 161

Candidate Starts for Bombitas_49:

(Start: 161 @43727 has 154 MA's), (212, 43859),

Gene: Bonanza_46 Start: 34272, Stop: 33976, Start Num: 153

Candidate Starts for Bonanza_46:

(Start: 153 @34272 has 56 MA's), (169, 34254), (Start: 171 @34248 has 6 MA's), (210, 34131), (219, 34098), (222, 34092), (253, 34032), (263, 33984),

Gene: Bongo_39 Start: 32762, Stop: 33040, Start Num: 147

Candidate Starts for Bongo_39:

(82, 32651), (Start: 147 @32762 has 11 MA's), (Start: 162 @32780 has 110 MA's), (185, 32843), (215, 32930), (218, 32939), (222, 32948),

Gene: BoostSeason_69 Start: 45667, Stop: 45912, Start Num: 165

Candidate Starts for BoostSeason_69:

(104, 45610), (108, 45616), (Start: 165 @45667 has 167 MA's), (195, 45757), (219, 45826), (237, 45850), (259, 45904),

Gene: Bosection6_51 Start: 33918, Stop: 34166, Start Num: 154

Candidate Starts for Bosection6_51:

(11, 33354), (24, 33573), (48, 33711), (59, 33744), (102, 33840), (Start: 154 @33918 has 32 MA's), (Start: 167 @33930 has 4 MA's), (195, 34014), (218, 34080), (219, 34083),

Gene: BourbonZero_30 Start: 28780, Stop: 29001, Start Num: 179

Candidate Starts for BourbonZero_30:

(Start: 160 @28735 has 62 MA's), (Start: 170 @28747 has 11 MA's), (Start: 179 @28780 has 6 MA's), (195, 28828),

Gene: Bradshaw_46 Start: 34298, Stop: 34002, Start Num: 153

Candidate Starts for Bradshaw_46:

(Start: 153 @34298 has 56 MA's), (169, 34280), (Start: 171 @34274 has 6 MA's), (210, 34157), (219, 34124), (222, 34118), (253, 34058), (263, 34010),

Gene: Brahms_33 Start: 23410, Stop: 23649, Start Num: 152

Candidate Starts for Brahms_33:

(38, 23167), (47, 23197), (Start: 152 @23410 has 8 MA's), (Start: 162 @23419 has 110 MA's), (195, 23506), (241, 23611), (252, 23641),

Gene: BrainDrainer_31 Start: 27763, Stop: 27981, Start Num: 179

Candidate Starts for BrainDrainer_31:

(Start: 160 @27718 has 62 MA's), (Start: 179 @27763 has 6 MA's), (222, 27877),

Gene: Breezona_32 Start: 28422, Stop: 28688, Start Num: 160

Candidate Starts for Breezona_32:

(Start: 160 @28422 has 62 MA's), (Start: 179 @28467 has 6 MA's), (196, 28518), (223, 28584), (255, 28656), (262, 28677),

Gene: Bricole_39 Start: 32748, Stop: 33026, Start Num: 147

Candidate Starts for Bricole_39:

(82, 32637), (Start: 147 @32748 has 11 MA's), (Start: 162 @32766 has 110 MA's), (185, 32829), (215, 32916), (218, 32925), (222, 32934),

Gene: Bromden_32 Start: 28137, Stop: 28400, Start Num: 160

Candidate Starts for Bromden_32:

(Start: 160 @28137 has 62 MA's), (Start: 179 @28182 has 6 MA's), (218, 28290), (255, 28371),

Gene: Bruin_37 Start: 33155, Stop: 33400, Start Num: 161

Candidate Starts for Bruin_37:

(Start: 161 @33155 has 154 MA's), (184, 33212), (195, 33245), (197, 33251), (216, 33305), (222, 33317),

Gene: BrutonGaster_100 Start: 65316, Stop: 65621, Start Num: 141

Candidate Starts for BrutonGaster_100:

(88, 65226), (Start: 141 @65316 has 2 MA's), (Start: 151 @65328 has 6 MA's), (216, 65496), (249, 65574),

Gene: Bryce_45 Start: 34052, Stop: 33756, Start Num: 153

Candidate Starts for Bryce_45:

(Start: 153 @34052 has 56 MA's), (169, 34034), (Start: 171 @34028 has 6 MA's), (210, 33911), (219, 33878), (222, 33872), (253, 33812), (263, 33764),

Gene: Bryler_70 Start: 43476, Stop: 43715, Start Num: 165

Candidate Starts for Bryler_70:

(104, 43392), (Start: 165 @43476 has 167 MA's), (Start: 170 @43485 has 11 MA's), (195, 43566), (214, 43620),

Gene: BubbaBear_35 Start: 25387, Stop: 25617, Start Num: 162

Candidate Starts for BubbaBear_35:

(Start: 162 @25387 has 110 MA's),

Gene: Buck_36 Start: 33091, Stop: 33336, Start Num: 161

Candidate Starts for Buck_36:

(Start: 161 @33091 has 154 MA's), (184, 33148), (195, 33181), (197, 33187), (216, 33241), (222, 33253),

Gene: BugsBunny_35 Start: 32724, Stop: 32969, Start Num: 161

Candidate Starts for BugsBunny_35:

(Start: 161 @32724 has 154 MA's), (184, 32781), (195, 32814), (197, 32820), (216, 32874), (222, 32886),

Gene: Buldak_34 Start: 24254, Stop: 24493, Start Num: 162

Candidate Starts for Buldak_34:

(5, 23414), (10, 23633), (27, 23939), (132, 24218), (Start: 162 @24254 has 110 MA's), (195, 24341),

Gene: Burritobowl_36 Start: 25388, Stop: 25618, Start Num: 162

Candidate Starts for Burritobowl_36:

(Start: 162 @25388 has 110 MA's),

Gene: Burton_63 Start: 42834, Stop: 42568, Start Num: 120

Candidate Starts for Burton_63:

(Start: 118 @42837 has 30 MA's), (Start: 120 @42834 has 109 MA's), (Start: 125 @42822 has 5 MA's), (Start: 170 @42801 has 11 MA's), (185, 42750), (190, 42735), (197, 42714), (210, 42684),

(218, 42654), (255, 42579),

Gene: Butters_53 Start: 35513, Stop: 35761, Start Num: 154

Candidate Starts for Butters_53:

(59, 35339), (102, 35435), (Start: 154 @35513 has 32 MA's), (Start: 167 @35525 has 4 MA's), (195, 35609), (218, 35675), (219, 35678),

Gene: Buttons_59 Start: 38725, Stop: 38456, Start Num: 118

Candidate Starts for Buttons_59:

(Start: 118 @38725 has 30 MA's), (Start: 120 @38722 has 109 MA's), (Start: 125 @38710 has 5 MA's), (Start: 170 @38689 has 11 MA's), (185, 38638), (190, 38623), (197, 38602), (210, 38572), (218, 38542),

Gene: Bxb1_56 Start: 39835, Stop: 39569, Start Num: 120

Candidate Starts for Bxb1_56:

(Start: 118 @39838 has 30 MA's), (Start: 120 @39835 has 109 MA's), (Start: 125 @39823 has 5 MA's), (Start: 170 @39802 has 11 MA's), (185, 39751), (190, 39736), (197, 39715), (210, 39685), (218, 39655), (255, 39580),

Gene: CREW_66 Start: 43622, Stop: 43864, Start Num: 165

Candidate Starts for CREW_66:

(Start: 165 @43622 has 167 MA's), (195, 43712), (237, 43808), (247, 43832),

Gene: Cactus_38 Start: 32346, Stop: 32591, Start Num: 161

Candidate Starts for Cactus_38:

(Start: 161 @32346 has 154 MA's), (184, 32403), (195, 32436), (197, 32442), (216, 32496), (222, 32508),

Gene: CactusRose_62 Start: 41174, Stop: 40908, Start Num: 120

Candidate Starts for CactusRose_62:

(Start: 118 @41177 has 30 MA's), (Start: 120 @41174 has 109 MA's), (Start: 125 @41162 has 5 MA's), (Start: 170 @41141 has 11 MA's), (185, 41090), (190, 41075), (197, 41054), (210, 41024), (218, 40994),

Gene: Cain_70 Start: 43464, Stop: 43703, Start Num: 165

Candidate Starts for Cain_70:

(104, 43380), (Start: 165 @43464 has 167 MA's), (Start: 170 @43473 has 11 MA's), (195, 43554), (214, 43608),

Gene: CallinAllBarbz_34 Start: 24734, Stop: 24985, Start Num: 156

Candidate Starts for CallinAllBarbz_34:

(Start: 156 @24734 has 2 MA's), (194, 24827), (240, 24932),

Gene: Calm_30 Start: 27704, Stop: 27973, Start Num: 160

Candidate Starts for Calm_30:

(Start: 160 @27704 has 62 MA's), (Start: 179 @27749 has 6 MA's), (218, 27857),

Gene: Candle_40 Start: 36392, Stop: 36637, Start Num: 157

Candidate Starts for Candle_40:

(124, 36350), (Start: 157 @36392 has 9 MA's), (172, 36413), (Start: 176 @36434 has 2 MA's), (185, 36461), (228, 36560), (230, 36563), (232, 36566), (251, 36617),

Gene: Cappuccino_31 Start: 22494, Stop: 22760, Start Num: 149

Candidate Starts for Cappuccino_31:

(Start: 149 @22494 has 23 MA's), (Start: 159 @22503 has 12 MA's), (Start: 165 @22509 has 167 MA's), (187, 22572),

Gene: Capricorn_66 Start: 43622, Stop: 43864, Start Num: 165

Candidate Starts for Capricorn_66:

(Start: 165 @43622 has 167 MA's), (195, 43712), (237, 43808), (247, 43832),

Gene: Carcharodon_50 Start: 34905, Stop: 35153, Start Num: 154

Candidate Starts for Carcharodon_50:

(17, 34491), (48, 34698), (59, 34731), (102, 34827), (Start: 154 @34905 has 32 MA's), (Start: 167 @34917 has 4 MA's), (Start: 170 @34923 has 11 MA's), (195, 35001), (218, 35067), (219, 35070),

Gene: Cardigan_134 Start: 76224, Stop: 76523, Start Num: 149

Candidate Starts for Cardigan_134:

(Start: 149 @76224 has 23 MA's), (180, 76284), (197, 76326), (200, 76335), (210, 76371), (218, 76401), (236, 76431),

Gene: Carlyle_62 Start: 39960, Stop: 39694, Start Num: 120

Candidate Starts for Carlyle_62:

(Start: 118 @39963 has 30 MA's), (Start: 120 @39960 has 109 MA's), (Start: 125 @39948 has 5 MA's), (Start: 170 @39924 has 11 MA's), (184, 39879), (190, 39861), (209, 39813), (210, 39810), (245, 39735), (255, 39705),

Gene: Caron_44 Start: 27999, Stop: 28262, Start Num: 149

Candidate Starts for Caron_44:

(76, 27885), (78, 27888), (Start: 149 @27999 has 23 MA's), (180, 28053),

Gene: CaseJules_68 Start: 43819, Stop: 44061, Start Num: 165

Candidate Starts for CaseJules_68:

(Start: 165 @43819 has 167 MA's), (195, 43909), (237, 44005), (247, 44029),

Gene: Cashington_34 Start: 24734, Stop: 24964, Start Num: 162

Candidate Starts for Cashington_34:

(Start: 162 @24734 has 110 MA's), (213, 24875),

Gene: Cassia_34 Start: 25274, Stop: 25540, Start Num: 142

Candidate Starts for Cassia_34:

(Start: 142 @25274 has 20 MA's), (219, 25457),

Gene: Cassita_54 Start: 33514, Stop: 33735, Start Num: 165

Candidate Starts for Cassita_54:

(58, 33349), (72, 33376), (74, 33379), (Start: 165 @33514 has 167 MA's), (197, 33607),

Gene: Catfish_63 Start: 40933, Stop: 41151, Start Num: 167

Candidate Starts for Catfish_63:

(Start: 167 @40933 has 4 MA's), (177, 40966), (210, 41056),

Gene: Cece_195 Start: 119232, Stop: 118984, Start Num: 162

Candidate Starts for Cece_195:

(121, 119280), (132, 119265), (Start: 162 @119232 has 110 MA's), (203, 119118), (211, 119097), (236, 119052),

Gene: Celaena_34 Start: 26364, Stop: 26594, Start Num: 162

Candidate Starts for Celaena_34:

(81, 26235), (84, 26244), (88, 26250), (92, 26259), (99, 26271), (103, 26277), (111, 26289), (Start: 152 @26355 has 8 MA's), (Start: 162 @26364 has 110 MA's), (195, 26451), (213, 26505), (241, 26556),

Gene: Cen1621_38 Start: 25188, Stop: 25475, Start Num: 125

Candidate Starts for Cen1621_38:

(Start: 125 @25188 has 5 MA's), (Start: 162 @25215 has 110 MA's), (213, 25371), (222, 25395),

Gene: Chanagan_56 Start: 38816, Stop: 38541, Start Num: 120

Candidate Starts for Chanagan_56:

(Start: 118 @38819 has 30 MA's), (Start: 120 @38816 has 109 MA's), (Start: 125 @38804 has 5 MA's), (Start: 170 @38774 has 11 MA's), (185, 38723), (190, 38708), (197, 38687), (210, 38657), (218, 38627),

Gene: Chancellor_70 Start: 43377, Stop: 43640, Start Num: 153

Candidate Starts for Chancellor_70:

(Start: 153 @43377 has 56 MA's), (Start: 167 @43392 has 4 MA's), (195, 43479), (236, 43575), (256, 43629),

Gene: Charlie_51 Start: 33657, Stop: 33905, Start Num: 154

Candidate Starts for Charlie_51:

(11, 33093), (24, 33312), (48, 33450), (59, 33483), (102, 33579), (Start: 154 @33657 has 32 MA's), (Start: 167 @33669 has 4 MA's), (195, 33753), (218, 33819), (219, 33822),

Gene: Chaser_30 Start: 27536, Stop: 27799, Start Num: 160

Candidate Starts for Chaser_30:

(Start: 160 @27536 has 62 MA's), (Start: 179 @27581 has 6 MA's), (222, 27695),

Gene: CheetoDust_66 Start: 43333, Stop: 43575, Start Num: 165

Candidate Starts for CheetoDust_66:

(Start: 120 @43288 has 109 MA's), (Start: 165 @43333 has 167 MA's), (195, 43423), (237, 43519), (247, 43543),

Gene: Cheetobro_70 Start: 43374, Stop: 43637, Start Num: 153

Candidate Starts for Cheetobro_70:

(Start: 153 @43374 has 56 MA's), (Start: 167 @43389 has 4 MA's), (195, 43476), (236, 43572), (256, 43626),

Gene: CherryTomatoes_78 Start: 28836, Stop: 29102, Start Num: 162

Candidate Starts for CherryTomatoes_78:

(Start: 162 @28836 has 110 MA's), (Start: 179 @28884 has 6 MA's), (221, 29004), (248, 29064),

Gene: Chewbacca_52 Start: 34905, Stop: 35153, Start Num: 154

Candidate Starts for Chewbacca_52:

(17, 34491), (48, 34698), (59, 34731), (102, 34827), (Start: 154 @34905 has 32 MA's), (Start: 167 @34917 has 4 MA's), (Start: 170 @34923 has 11 MA's), (195, 35001), (218, 35067), (219, 35070),

Gene: ChiliPepper_33 Start: 25809, Stop: 26048, Start Num: 152

Candidate Starts for ChiliPepper_33:

(18, 25398), (23, 25461), (25, 25479), (26, 25500), (29, 25509), (31, 25533), (35, 25551), (36, 25557), (44, 25584), (45, 25587), (50, 25608), (51, 25611), (61, 25638), (66, 25650), (70, 25665), (79, 25680), (81, 25689), (84, 25698), (88, 25704), (92, 25713), (99, 25725), (103, 25731), (Start: 152 @25809 has

8 MA's), (Start: 162 @25818 has 110 MA's), (190, 25890), (195, 25905), (213, 25959), (241, 26010), (252, 26040),

Gene: ChosenOne_37 Start: 32343, Stop: 32588, Start Num: 161

Candidate Starts for ChosenOne_37:

(Start: 161 @32343 has 154 MA's), (184, 32400), (195, 32433), (197, 32439), (216, 32493), (222, 32505),

Gene: ChotaBhai_37 Start: 32381, Stop: 32626, Start Num: 161

Candidate Starts for ChotaBhai_37:

(Start: 161 @32381 has 154 MA's), (184, 32438), (195, 32471), (197, 32477), (214, 32525), (216, 32531), (222, 32543),

Gene: Chris_69 Start: 44665, Stop: 44892, Start Num: 165

Candidate Starts for Chris_69:

(Start: 165 @44665 has 167 MA's), (214, 44797), (237, 44836),

Gene: Ciao_60 Start: 40180, Stop: 39914, Start Num: 120

Candidate Starts for Ciao_60:

(Start: 118 @40183 has 30 MA's), (Start: 120 @40180 has 109 MA's), (Start: 125 @40168 has 5 MA's), (Start: 170 @40147 has 11 MA's), (185, 40096), (190, 40081), (197, 40060), (210, 40030), (218, 40000),

Gene: CicholasNage_30 Start: 27692, Stop: 27961, Start Num: 160

Candidate Starts for CicholasNage_30:

(Start: 160 @27692 has 62 MA's), (Start: 179 @27737 has 6 MA's), (218, 27845),

Gene: Cjw1_37 Start: 33895, Stop: 34140, Start Num: 161

Candidate Starts for Cjw1_37:

(Start: 161 @33895 has 154 MA's), (184, 33952), (195, 33985), (197, 33991), (216, 34045), (222, 34057),

Gene: Claus_32 Start: 28444, Stop: 28665, Start Num: 179

Candidate Starts for Claus_32:

(Start: 160 @28399 has 62 MA's), (Start: 179 @28444 has 6 MA's), (196, 28495), (202, 28513), (255, 28633), (262, 28654),

Gene: Clautastrophe_31 Start: 28784, Stop: 29050, Start Num: 160

Candidate Starts for Clautastrophe_31:

(Start: 160 @28784 has 62 MA's), (Start: 170 @28796 has 11 MA's), (Start: 179 @28829 has 6 MA's),

Gene: Clayda5_34 Start: 23406, Stop: 23636, Start Num: 162

Candidate Starts for Clayda5_34:

(38, 23154), (47, 23184), (Start: 152 @23397 has 8 MA's), (Start: 162 @23406 has 110 MA's), (195, 23493), (241, 23598), (252, 23628),

Gene: CliffHanger_39 Start: 24318, Stop: 24548, Start Num: 162

Candidate Starts for CliffHanger_39:

(Start: 162 @24318 has 110 MA's), (181, 24363), (209, 24441),

Gene: ClubL_125 Start: 70565, Stop: 70858, Start Num: 149

Candidate Starts for ClubL_125:

(Start: 149 @70565 has 23 MA's), (Start: 176 @70613 has 2 MA's), (218, 70742),

Gene: Collard_58 Start: 40730, Stop: 40978, Start Num: 165
Candidate Starts for Collard_58:
(Start: 165 @40730 has 167 MA's), (211, 40862), (219, 40892), (243, 40925),

Gene: Coltrane_33 Start: 23410, Stop: 23649, Start Num: 152
Candidate Starts for Coltrane_33:
(38, 23167), (47, 23197), (Start: 152 @23410 has 8 MA's), (Start: 162 @23419 has 110 MA's), (195, 23506), (241, 23611), (252, 23641),

Gene: Command613_38 Start: 33402, Stop: 33647, Start Num: 161
Candidate Starts for Command613_38:
(Start: 161 @33402 has 154 MA's), (184, 33459), (195, 33492), (197, 33498), (216, 33552), (222, 33564),

Gene: Community_34 Start: 26806, Stop: 27072, Start Num: 142
Candidate Starts for Community_34:
(37, 26569), (39, 26578), (Start: 142 @26806 has 20 MA's),

Gene: ConceptII_64 Start: 42246, Stop: 41980, Start Num: 120
Candidate Starts for ConceptII_64:
(Start: 118 @42249 has 30 MA's), (Start: 120 @42246 has 109 MA's), (Start: 125 @42234 has 5 MA's), (Start: 170 @42213 has 11 MA's), (185, 42162), (190, 42147), (197, 42126), (210, 42096), (218, 42066),

Gene: Constella_44 Start: 40270, Stop: 40518, Start Num: 161
Candidate Starts for Constella_44:
(Start: 161 @40270 has 154 MA's), (177, 40309), (195, 40363), (196, 40366), (218, 40423), (239, 40459), (255, 40507),

Gene: Contagion_36 Start: 32639, Stop: 32884, Start Num: 161
Candidate Starts for Contagion_36:
(Start: 161 @32639 has 154 MA's), (184, 32696), (195, 32729), (197, 32735), (214, 32783), (216, 32789), (222, 32801),

Gene: Cookies_37 Start: 33004, Stop: 33249, Start Num: 161
Candidate Starts for Cookies_37:
(Start: 161 @33004 has 154 MA's), (184, 33061), (195, 33094), (197, 33100), (214, 33148), (216, 33154), (222, 33166),

Gene: Corn21_9 Start: 6384, Stop: 6061, Start Num: 110
Candidate Starts for Corn21_9:
(74, 6450), (Start: 110 @6384 has 22 MA's), (143, 6333), (173, 6288), (Start: 179 @6270 has 6 MA's), (214, 6165), (241, 6114),

Gene: Corvo_63 Start: 42111, Stop: 41845, Start Num: 120
Candidate Starts for Corvo_63:
(Start: 118 @42114 has 30 MA's), (Start: 120 @42111 has 109 MA's), (Start: 125 @42099 has 5 MA's), (Start: 170 @42078 has 11 MA's), (185, 42027), (190, 42012), (197, 41991), (210, 41961), (218, 41931), (255, 41856),

Gene: CosmicSans_46 Start: 34298, Stop: 34002, Start Num: 153
Candidate Starts for CosmicSans_46:

(Start: 153 @34298 has 56 MA's), (169, 34280), (Start: 171 @34274 has 6 MA's), (210, 34157), (219, 34124), (222, 34118), (253, 34058), (263, 34010),

Gene: Cosmo_53 Start: 39361, Stop: 39609, Start Num: 161

Candidate Starts for Cosmo_53:

(Start: 161 @39361 has 154 MA's), (191, 39442), (210, 39490), (219, 39523), (221, 39526), (222, 39529), (240, 39562), (250, 39598),

Gene: Count_87 Start: 57913, Stop: 58173, Start Num: 155

Candidate Starts for Count_87:

(Start: 155 @57913 has 2 MA's),

Gene: Courthouse_51 Start: 40812, Stop: 41051, Start Num: 170

Candidate Starts for Courthouse_51:

(Start: 170 @40812 has 11 MA's), (177, 40839), (195, 40893), (196, 40896), (218, 40953), (239, 40989),

Gene: Crewmate_37 Start: 25536, Stop: 25778, Start Num: 162

Candidate Starts for Crewmate_37:

(32, 25278), (41, 25314), (Start: 162 @25536 has 110 MA's),

Gene: CrimD_68 Start: 44444, Stop: 44686, Start Num: 165

Candidate Starts for CrimD_68:

(Start: 165 @44444 has 167 MA's), (195, 44534), (237, 44630),

Gene: CroZenni_36 Start: 25278, Stop: 25508, Start Num: 162

Candidate Starts for CroZenni_36:

(80, 25149), (81, 25152), (89, 25170), (95, 25182), (97, 25185), (105, 25194), (107, 25197), (Start: 152 @25269 has 8 MA's), (Start: 162 @25278 has 110 MA's),

Gene: Crossroads_32 Start: 28422, Stop: 28688, Start Num: 160

Candidate Starts for Crossroads_32:

(Start: 160 @28422 has 62 MA's), (Start: 179 @28467 has 6 MA's), (196, 28518), (223, 28584), (255, 28656), (262, 28677),

Gene: CrunchyBoi_10 Start: 6445, Stop: 6122, Start Num: 110

Candidate Starts for CrunchyBoi_10:

(40, 6613), (54, 6562), (Start: 110 @6445 has 22 MA's), (143, 6394), (Start: 154 @6379 has 32 MA's), (Start: 179 @6331 has 6 MA's), (215, 6223), (241, 6175), (246, 6157),

Gene: CrystalP_37 Start: 33135, Stop: 33380, Start Num: 161

Candidate Starts for CrystalP_37:

(Start: 161 @33135 has 154 MA's), (184, 33192), (195, 33225), (197, 33231), (216, 33285), (222, 33297),

Gene: Cucurbita_126 Start: 72310, Stop: 72600, Start Num: 151

Candidate Starts for Cucurbita_126:

(85, 72202), (93, 72217), (119, 72262), (Start: 151 @72310 has 6 MA's), (Start: 176 @72355 has 2 MA's), (218, 72484),

Gene: Culver_125 Start: 70325, Stop: 70618, Start Num: 149

Candidate Starts for Culver_125:

(Start: 149 @70325 has 23 MA's), (Start: 176 @70373 has 2 MA's), (218, 70502),

Gene: Curiosium_70 Start: 43138, Stop: 43380, Start Num: 165

Candidate Starts for Curiosium_70:

(101, 43060), (Start: 165 @43138 has 167 MA's), (195, 43228), (237, 43324), (247, 43348),

Gene: Cyan_33 Start: 24752, Stop: 24994, Start Num: 162

Candidate Starts for Cyan_33:

(32, 24494), (Start: 162 @24752 has 110 MA's), (219, 24911),

Gene: Czyszczone1_38 Start: 32880, Stop: 33125, Start Num: 161

Candidate Starts for Czyszczone1_38:

(Start: 161 @32880 has 154 MA's), (184, 32937), (195, 32970), (197, 32976), (216, 33030), (222, 33042),

Gene: DD5_60 Start: 41693, Stop: 41418, Start Num: 120

Candidate Starts for DD5_60:

(Start: 120 @41693 has 109 MA's), (Start: 125 @41681 has 5 MA's), (Start: 170 @41651 has 11 MA's), (185, 41600), (190, 41585), (197, 41564), (209, 41537), (210, 41534), (218, 41504), (255, 41429),

Gene: DHan_32 Start: 28380, Stop: 28601, Start Num: 179

Candidate Starts for DHan_32:

(Start: 160 @28335 has 62 MA's), (Start: 179 @28380 has 6 MA's), (196, 28431), (202, 28449), (255, 28569), (262, 28590),

Gene: DS6A_74 Start: 48826, Stop: 49065, Start Num: 165

Candidate Starts for DS6A_74:

(56, 48631), (Start: 165 @48826 has 167 MA's), (Start: 179 @48868 has 6 MA's), (190, 48901), (219, 48985),

Gene: Daddyjeff_51 Start: 34278, Stop: 34511, Start Num: 157

Candidate Starts for Daddyjeff_51:

(Start: 157 @34278 has 9 MA's), (208, 34413),

Gene: Dadosky_62 Start: 41083, Stop: 41331, Start Num: 165

Candidate Starts for Dadosky_62:

(Start: 165 @41083 has 167 MA's), (190, 41158), (215, 41230),

Gene: Daikon_36 Start: 32873, Stop: 33118, Start Num: 161

Candidate Starts for Daikon_36:

(Start: 161 @32873 has 154 MA's), (184, 32930), (195, 32963), (197, 32969), (214, 33017), (216, 33023), (222, 33035),

Gene: Dallas_54 Start: 43667, Stop: 43912, Start Num: 161

Candidate Starts for Dallas_54:

(Start: 161 @43667 has 154 MA's), (185, 43730), (195, 43760), (196, 43763), (219, 43823), (222, 43826), (223, 43829),

Gene: Dalmuri_66 Start: 43622, Stop: 43864, Start Num: 165

Candidate Starts for Dalmuri_66:

(Start: 165 @43622 has 167 MA's), (195, 43712), (237, 43808), (247, 43832),

Gene: DanBing_31 Start: 28284, Stop: 28505, Start Num: 179

Candidate Starts for DanBing_31:

(Start: 160 @28239 has 62 MA's), (Start: 179 @28284 has 6 MA's), (196, 28335), (255, 28473), (262, 28494),

Gene: Dardanus_57 Start: 37159, Stop: 37398, Start Num: 164

Candidate Starts for Dardanus_57:

(87, 37051), (Start: 164 @37159 has 10 MA's), (180, 37201), (197, 37252), (198, 37255), (216, 37306), (219, 37315), (237, 37336),

Gene: Daredevil_75 Start: 52964, Stop: 52707, Start Num: 149

Candidate Starts for Daredevil_75:

(Start: 115 @53015 has 2 MA's), (121, 53000), (127, 52991), (Start: 130 @52988 has 1 MA's), (Start: 149 @52964 has 23 MA's), (219, 52793),

Gene: DarthP_66 Start: 43967, Stop: 44206, Start Num: 165

Candidate Starts for DarthP_66:

(Start: 165 @43967 has 167 MA's), (195, 44057), (215, 44117),

Gene: Dartin_69 Start: 44123, Stop: 44362, Start Num: 165

Candidate Starts for Dartin_69:

(Start: 165 @44123 has 167 MA's), (195, 44213), (210, 44249), (214, 44267), (247, 44330),

Gene: Dashyla_9 Start: 6362, Stop: 6042, Start Num: 110

Candidate Starts for Dashyla_9:

(65, 6452), (Start: 110 @6362 has 22 MA's), (143, 6311), (Start: 154 @6296 has 32 MA's), (Start: 179 @6248 has 6 MA's), (234, 6107),

Gene: DatBoi_82 Start: 57093, Stop: 56827, Start Num: 149

Candidate Starts for DatBoi_82:

(126, 57123), (129, 57120), (Start: 149 @57093 has 23 MA's),

Gene: Deby_67 Start: 44105, Stop: 44347, Start Num: 165

Candidate Starts for Deby_67:

(Start: 165 @44105 has 167 MA's), (195, 44195), (237, 44291), (247, 44315),

Gene: DejaVu_31 Start: 9377, Stop: 9625, Start Num: 162

Candidate Starts for DejaVu_31:

(Start: 130 @9338 has 1 MA's), (Start: 162 @9377 has 110 MA's), (180, 9422), (192, 9458), (247, 9605),

Gene: Devera_74 Start: 45458, Stop: 45700, Start Num: 165

Candidate Starts for Devera_74:

(Start: 165 @45458 has 167 MA's), (195, 45548), (237, 45644), (247, 45668),

Gene: Dexes_62 Start: 41896, Stop: 41630, Start Num: 120

Candidate Starts for Dexes_62:

(Start: 118 @41899 has 30 MA's), (Start: 120 @41896 has 109 MA's), (Start: 125 @41884 has 5 MA's), (Start: 170 @41863 has 11 MA's), (185, 41812), (190, 41797), (197, 41776), (210, 41746), (218, 41716), (255, 41641),

Gene: DickRichards_35 Start: 25717, Stop: 25947, Start Num: 162

Candidate Starts for DickRichards_35:

(Start: 162 @25717 has 110 MA's),

Gene: Didgeridoo_38 Start: 25851, Stop: 26093, Start Num: 162

Candidate Starts for Didgeridoo_38:

(Start: 162 @25851 has 110 MA's), (213, 25992),

Gene: Diminimus_40 Start: 32761, Stop: 33039, Start Num: 147

Candidate Starts for Diminimus_40:

(82, 32650), (Start: 147 @32761 has 11 MA's), (Start: 162 @32779 has 110 MA's), (185, 32842), (215, 32929), (218, 32938), (222, 32947),

Gene: Dinger_45 Start: 34431, Stop: 34135, Start Num: 153

Candidate Starts for Dinger_45:

(Start: 153 @34431 has 56 MA's), (169, 34413), (Start: 171 @34407 has 6 MA's), (210, 34290), (219, 34257), (222, 34251), (253, 34191), (263, 34143),

Gene: DinoDaryn_63 Start: 39006, Stop: 39230, Start Num: 164

Candidate Starts for DinoDaryn_63:

(Start: 164 @39006 has 10 MA's), (180, 39048), (195, 39093), (198, 39102), (216, 39153), (219, 39162), (237, 39183),

Gene: DirkDirk_30 Start: 27718, Stop: 27942, Start Num: 179

Candidate Starts for DirkDirk_30:

(Start: 160 @27673 has 62 MA's), (Start: 179 @27718 has 6 MA's), (218, 27826),

Gene: DirtyBubble_36 Start: 26244, Stop: 26477, Start Num: 162

Candidate Starts for DirtyBubble_36:

(81, 26115), (83, 26118), (90, 26136), (97, 26148), (99, 26151), (105, 26160), (Start: 152 @26235 has 8 MA's), (Start: 162 @26244 has 110 MA's), (219, 26394),

Gene: DismalFunk_69 Start: 46092, Stop: 46337, Start Num: 165

Candidate Starts for DismalFunk_69:

(104, 46035), (108, 46041), (Start: 165 @46092 has 167 MA's), (195, 46182), (210, 46218), (219, 46251),

Gene: DismalStressor_69 Start: 46092, Stop: 46337, Start Num: 165

Candidate Starts for DismalStressor_69:

(104, 46035), (108, 46041), (Start: 165 @46092 has 167 MA's), (195, 46182), (210, 46218), (219, 46251),

Gene: Dismas_34 Start: 25989, Stop: 26219, Start Num: 162

Candidate Starts for Dismas_34:

(18, 25569), (23, 25632), (25, 25650), (26, 25671), (29, 25680), (31, 25704), (35, 25722), (36, 25728), (44, 25755), (45, 25758), (50, 25779), (61, 25809), (66, 25821), (70, 25836), (79, 25851), (81, 25860), (84, 25869), (88, 25875), (92, 25884), (99, 25896), (103, 25902), (Start: 152 @25980 has 8 MA's), (Start: 162 @25989 has 110 MA's), (190, 26061), (195, 26076), (213, 26130), (241, 26181), (252, 26211),

Gene: DmpstrDiver_53 Start: 43660, Stop: 43905, Start Num: 161

Candidate Starts for DmpstrDiver_53:

(Start: 161 @43660 has 154 MA's), (185, 43723), (195, 43753), (196, 43756), (219, 43816), (222, 43819), (223, 43822),

Gene: DoctorDiddles_37 Start: 32297, Stop: 32542, Start Num: 161

Candidate Starts for DoctorDiddles_37:

(Start: 161 @32297 has 154 MA's), (184, 32354), (195, 32387), (197, 32393), (214, 32441), (216, 32447), (222, 32459),

Gene: Dole_72 Start: 45461, Stop: 45703, Start Num: 165

Candidate Starts for Dole_72:

(Start: 165 @45461 has 167 MA's), (195, 45551), (237, 45647), (247, 45671),

Gene: Donkey_31 Start: 22496, Stop: 22762, Start Num: 149

Candidate Starts for Donkey_31:

(Start: 149 @22496 has 23 MA's), (Start: 159 @22505 has 12 MA's), (Start: 165 @22511 has 167 MA's), (187, 22574),

Gene: Doobus_35 Start: 25098, Stop: 25328, Start Num: 162

Candidate Starts for Doobus_35:

(Start: 162 @25098 has 110 MA's),

Gene: Doom_60 Start: 41667, Stop: 41392, Start Num: 120

Candidate Starts for Doom_60:

(Start: 118 @41670 has 30 MA's), (Start: 120 @41667 has 109 MA's), (Start: 125 @41655 has 5 MA's), (Start: 170 @41625 has 11 MA's), (185, 41574), (190, 41559), (197, 41538), (210, 41508), (218, 41478),

Gene: Douge_30 Start: 27474, Stop: 27737, Start Num: 160

Candidate Starts for Douge_30:

(Start: 160 @27474 has 62 MA's), (Start: 179 @27519 has 6 MA's), (195, 27567), (222, 27633),

Gene: Douzhi_30 Start: 27624, Stop: 27842, Start Num: 179

Candidate Starts for Douzhi_30:

(Start: 160 @27579 has 62 MA's), (Start: 179 @27624 has 6 MA's), (222, 27738),

Gene: Dove_49 Start: 43194, Stop: 43442, Start Num: 161

Candidate Starts for Dove_49:

(Start: 161 @43194 has 154 MA's), (177, 43233), (195, 43287), (196, 43290), (218, 43347), (239, 43383), (255, 43431),

Gene: DrDrey_38 Start: 33627, Stop: 33872, Start Num: 161

Candidate Starts for DrDrey_38:

(Start: 161 @33627 has 154 MA's), (184, 33684), (195, 33717), (197, 33723), (216, 33777), (222, 33789),

Gene: DrFeelGood_58 Start: 40034, Stop: 39777, Start Num: 128

Candidate Starts for DrFeelGood_58:

(Start: 128 @40034 has 10 MA's), (Start: 167 @40016 has 4 MA's), (Start: 170 @40010 has 11 MA's), (185, 39959), (190, 39944), (197, 39923), (210, 39893), (218, 39863),

Gene: DrHayes_67 Start: 44362, Stop: 44604, Start Num: 165

Candidate Starts for DrHayes_67:

(Start: 165 @44362 has 167 MA's), (195, 44452), (237, 44548), (247, 44572),

Gene: DrManhattan_32 Start: 23095, Stop: 23340, Start Num: 159

Candidate Starts for DrManhattan_32:

(21, 22726), (32, 22840), (41, 22876), (Start: 159 @23095 has 12 MA's),

Gene: DrSeegs_32 Start: 28422, Stop: 28688, Start Num: 160

Candidate Starts for DrSeegs_32:

(Start: 160 @28422 has 62 MA's), (Start: 179 @28467 has 6 MA's), (196, 28518), (223, 28584), (255, 28656), (262, 28677),

Gene: DrSierra_32 Start: 23583, Stop: 23849, Start Num: 142

Candidate Starts for DrSierra_32:

(32, 23325), (41, 23361), (91, 23499), (Start: 142 @23583 has 20 MA's), (219, 23766),

Gene: Dreamboat_63 Start: 40328, Stop: 40062, Start Num: 120

Candidate Starts for Dreamboat_63:

(Start: 120 @40328 has 109 MA's), (Start: 125 @40316 has 5 MA's), (Start: 167 @40301 has 4 MA's), (Start: 170 @40295 has 11 MA's), (185, 40244), (190, 40229), (197, 40208), (210, 40178), (218, 40148), (255, 40073),

Gene: Duke13_55 Start: 43999, Stop: 44247, Start Num: 161

Candidate Starts for Duke13_55:

(Start: 161 @43999 has 154 MA's), (212, 44131),

Gene: Dulcie_62 Start: 42668, Stop: 42411, Start Num: 128

Candidate Starts for Dulcie_62:

(Start: 128 @42668 has 10 MA's), (Start: 167 @42650 has 4 MA's), (Start: 170 @42644 has 11 MA's), (185, 42593), (190, 42578), (197, 42557), (210, 42527), (218, 42497),

Gene: Dulcita_40 Start: 32761, Stop: 33039, Start Num: 147

Candidate Starts for Dulcita_40:

(82, 32650), (Start: 147 @32761 has 11 MA's), (Start: 162 @32779 has 110 MA's), (185, 32842), (215, 32929), (218, 32938), (222, 32947),

Gene: Dumbo_37 Start: 32602, Stop: 32847, Start Num: 161

Candidate Starts for Dumbo_37:

(Start: 161 @32602 has 154 MA's), (184, 32659), (195, 32692), (197, 32698), (216, 32752), (222, 32764),

Gene: DumpQuist_9 Start: 6359, Stop: 6036, Start Num: 110

Candidate Starts for DumpQuist_9:

(Start: 110 @6359 has 22 MA's), (143, 6308), (173, 6263), (Start: 179 @6245 has 6 MA's), (214, 6140), (241, 6089),

Gene: DuncansLeg_31 Start: 28758, Stop: 29024, Start Num: 160

Candidate Starts for DuncansLeg_31:

(Start: 160 @28758 has 62 MA's), (Start: 170 @28770 has 11 MA's), (Start: 179 @28803 has 6 MA's), (195, 28851),

Gene: DunneganBoMo_101 Start: 82929, Stop: 83189, Start Num: 162

Candidate Starts for DunneganBoMo_101:

(Start: 162 @82929 has 110 MA's), (236, 83118), (247, 83148), (248, 83151),

Gene: Duplicity_50 Start: 34914, Stop: 35162, Start Num: 154

Candidate Starts for Duplicity_50:

(17, 34500), (48, 34707), (59, 34740), (102, 34836), (Start: 154 @34914 has 32 MA's), (Start: 167 @34926 has 4 MA's), (Start: 170 @34932 has 11 MA's), (195, 35010), (218, 35076), (219, 35079),

Gene: Durfee_66 Start: 43819, Stop: 44061, Start Num: 165

Candidate Starts for Durfee_66:

(Start: 165 @43819 has 167 MA's), (195, 43909), (237, 44005), (247, 44029),

Gene: Dusk_36 Start: 32787, Stop: 33032, Start Num: 161

Candidate Starts for Dusk_36:

(Start: 161 @32787 has 154 MA's), (184, 32844), (195, 32877), (197, 32883), (214, 32931), (216, 32937), (222, 32949),

Gene: Dussy_62 Start: 41689, Stop: 41423, Start Num: 120

Candidate Starts for Dussy_62:

(Start: 118 @41692 has 30 MA's), (Start: 120 @41689 has 109 MA's), (Start: 125 @41677 has 5 MA's), (Start: 170 @41656 has 11 MA's), (185, 41605), (190, 41590), (197, 41569), (210, 41539), (218, 41509),

Gene: DustyDino_38 Start: 10938, Stop: 11192, Start Num: 162

Candidate Starts for DustyDino_38:

(Start: 144 @10923 has 1 MA's), (Start: 162 @10938 has 110 MA's), (180, 10983), (197, 11034), (202, 11052), (211, 11070),

Gene: Dusty_121 Start: 70537, Stop: 70830, Start Num: 149

Candidate Starts for Dusty_121:

(Start: 149 @70537 has 23 MA's), (Start: 176 @70585 has 2 MA's), (218, 70714),

Gene: Dynamix_64 Start: 40678, Stop: 40409, Start Num: 118

Candidate Starts for Dynamix_64:

(Start: 118 @40678 has 30 MA's), (Start: 120 @40675 has 109 MA's), (Start: 125 @40663 has 5 MA's), (Start: 170 @40642 has 11 MA's), (190, 40576), (197, 40555), (210, 40525), (218, 40495), (255, 40420),

Gene: DyoEdafos_31 Start: 27675, Stop: 27938, Start Num: 160

Candidate Starts for DyoEdafos_31:

(Start: 160 @27675 has 62 MA's), (Start: 179 @27720 has 6 MA's), (222, 27834),

Gene: Easy2Say_39 Start: 34385, Stop: 34630, Start Num: 161

Candidate Starts for Easy2Say_39:

(Start: 161 @34385 has 154 MA's), (184, 34442), (195, 34475), (197, 34481), (216, 34535), (222, 34547),

Gene: Eden_34 Start: 24202, Stop: 24432, Start Num: 162

Candidate Starts for Eden_34:

(135, 24169), (Start: 162 @24202 has 110 MA's), (213, 24343), (215, 24349), (224, 24364), (241, 24394), (252, 24424),

Gene: Edtherson_61 Start: 41661, Stop: 41386, Start Num: 120

Candidate Starts for Edtherson_61:

(Start: 118 @41664 has 30 MA's), (Start: 120 @41661 has 109 MA's), (Start: 125 @41649 has 5 MA's), (Start: 170 @41619 has 11 MA's), (185, 41568), (190, 41553), (197, 41532), (210, 41502), (218, 41472),

Gene: Edugator_59 Start: 42504, Stop: 42752, Start Num: 165

Candidate Starts for Edugator_59:

(Start: 165 @42504 has 167 MA's), (190, 42579), (215, 42651),

Gene: Eevee_53 Start: 37090, Stop: 37338, Start Num: 159

Candidate Starts for Eevee_53:

(Start: 159 @37090 has 12 MA's), (197, 37189), (198, 37195), (218, 37249), (219, 37252), (222, 37258), (257, 37327),

Gene: Efra2_72 Start: 44206, Stop: 44448, Start Num: 165

Candidate Starts for Efra2_72:

(101, 44128), (Start: 165 @44206 has 167 MA's), (195, 44296), (237, 44392),

Gene: Ejimix_52 Start: 44918, Stop: 45163, Start Num: 161

Candidate Starts for Ejimix_52:

(Start: 161 @44918 has 154 MA's), (185, 44981), (195, 45011), (196, 45014), (219, 45074), (222, 45077), (223, 45080),

Gene: Ekdilam_63 Start: 44192, Stop: 44431, Start Num: 165

Candidate Starts for Ekdilam_63:

(Start: 165 @44192 has 167 MA's), (Start: 170 @44201 has 11 MA's), (195, 44282),

Gene: Elezi_34 Start: 26623, Stop: 26880, Start Num: 159

Candidate Starts for Elezi_34:

(32, 26386), (34, 26395), (Start: 159 @26623 has 12 MA's), (180, 26671), (221, 26788),

Gene: Elite2014_36 Start: 32342, Stop: 32587, Start Num: 161

Candidate Starts for Elite2014_36:

(Start: 161 @32342 has 154 MA's), (184, 32399), (195, 32432), (197, 32438), (216, 32492), (222, 32504),

Gene: Ellie_62 Start: 43425, Stop: 43667, Start Num: 165

Candidate Starts for Ellie_62:

(104, 43356), (Start: 165 @43425 has 167 MA's), (Start: 170 @43434 has 11 MA's), (185, 43485), (195, 43515), (237, 43611), (247, 43635),

Gene: Ellson_31 Start: 28745, Stop: 29011, Start Num: 160

Candidate Starts for Ellson_31:

(Start: 160 @28745 has 62 MA's), (Start: 170 @28757 has 11 MA's), (Start: 179 @28790 has 6 MA's), (195, 28838),

Gene: Elph10_38 Start: 32605, Stop: 32850, Start Num: 161

Candidate Starts for Elph10_38:

(Start: 161 @32605 has 154 MA's), (184, 32662), (195, 32695), (197, 32701), (216, 32755), (222, 32767),

Gene: Elva_38 Start: 26309, Stop: 26539, Start Num: 162

Candidate Starts for Elva_38:

(80, 26177), (81, 26180), (88, 26195), (95, 26210), (97, 26213), (105, 26225), (Start: 152 @26300 has 8 MA's), (Start: 162 @26309 has 110 MA's),

Gene: Emerson_68 Start: 43939, Stop: 44181, Start Num: 165

Candidate Starts for Emerson_68:

(Start: 165 @43939 has 167 MA's), (195, 44029), (237, 44125), (247, 44149),

Gene: EmiRose_45 Start: 36642, Stop: 36902, Start Num: 152
Candidate Starts for EmiRose_45:
(Start: 152 @36642 has 8 MA's), (200, 36756), (202, 36765), (222, 36816), (223, 36819),

Gene: Emmina_38 Start: 32963, Stop: 33208, Start Num: 161
Candidate Starts for Emmina_38:
(Start: 161 @32963 has 154 MA's), (184, 33020), (195, 33053), (197, 33059), (216, 33113), (222, 33125),

Gene: Emotion_38 Start: 26311, Stop: 26598, Start Num: 150
Candidate Starts for Emotion_38:
(116, 26266), (Start: 150 @26311 has 2 MA's),

Gene: Enceladus_30 Start: 27674, Stop: 27943, Start Num: 160
Candidate Starts for Enceladus_30:
(Start: 160 @27674 has 62 MA's), (Start: 179 @27719 has 6 MA's), (218, 27827),

Gene: Engineer_127 Start: 71970, Stop: 72260, Start Num: 151
Candidate Starts for Engineer_127:
(85, 71862), (93, 71877), (119, 71922), (Start: 151 @71970 has 6 MA's), (Start: 176 @72015 has 2 MA's), (218, 72144),

Gene: EniyanLRS_50 Start: 39059, Stop: 39307, Start Num: 161
Candidate Starts for EniyanLRS_50:
(Start: 161 @39059 has 154 MA's), (191, 39140), (210, 39188), (219, 39221), (221, 39224), (222, 39227), (240, 39260), (250, 39296),

Gene: Enkosi_57 Start: 43554, Stop: 43799, Start Num: 165
Candidate Starts for Enkosi_57:
(101, 43482), (Start: 165 @43554 has 167 MA's), (200, 43659), (215, 43701), (237, 43737),

Gene: Eponine_72 Start: 44220, Stop: 44483, Start Num: 153
Candidate Starts for Eponine_72:
(Start: 153 @44220 has 56 MA's), (Start: 167 @44235 has 4 MA's), (195, 44322), (236, 44418), (252, 44463), (256, 44472),

Gene: Eraser_34 Start: 26614, Stop: 26871, Start Num: 159
Candidate Starts for Eraser_34:
(32, 26377), (34, 26386), (Start: 159 @26614 has 12 MA's), (180, 26662), (221, 26779),

Gene: Erenyeager_35 Start: 10332, Stop: 10586, Start Num: 162
Candidate Starts for Erenyeager_35:
(Start: 144 @10317 has 1 MA's), (Start: 162 @10332 has 110 MA's), (180, 10377), (197, 10428), (202, 10446), (211, 10464),

Gene: EricMillard_52 Start: 44419, Stop: 44664, Start Num: 161
Candidate Starts for EricMillard_52:
(Start: 161 @44419 has 154 MA's), (185, 44482), (195, 44512), (196, 44515), (219, 44575), (222, 44578), (223, 44581),

Gene: Erik_46 Start: 34230, Stop: 33934, Start Num: 153
Candidate Starts for Erik_46:

(Start: 153 @34230 has 56 MA's), (169, 34212), (Start: 171 @34206 has 6 MA's), (210, 34089), (219, 34056), (222, 34050), (253, 33990), (263, 33942),

Gene: Espica_46 Start: 34231, Stop: 33935, Start Num: 153

Candidate Starts for Espica_46:

(Start: 153 @34231 has 56 MA's), (169, 34213), (Start: 171 @34207 has 6 MA's), (210, 34090), (219, 34057), (222, 34051), (253, 33991), (263, 33943),

Gene: Estes_45 Start: 34058, Stop: 34309, Start Num: 162

Candidate Starts for Estes_45:

(Start: 162 @34058 has 110 MA's), (195, 34151), (213, 34202), (214, 34205), (250, 34274),

Gene: EugeneKrabs_9 Start: 6127, Stop: 5798, Start Num: 110

Candidate Starts for EugeneKrabs_9:

(Start: 110 @6127 has 22 MA's), (143, 6073), (192, 5974), (214, 5905), (223, 5881), (246, 5836),

Gene: Eula_37 Start: 25477, Stop: 25719, Start Num: 162

Candidate Starts for Eula_37:

(Start: 162 @25477 has 110 MA's), (252, 25711),

Gene: Euphoria_60 Start: 40818, Stop: 40552, Start Num: 120

Candidate Starts for Euphoria_60:

(Start: 118 @40821 has 30 MA's), (Start: 120 @40818 has 109 MA's), (Start: 125 @40806 has 5 MA's), (Start: 170 @40785 has 11 MA's), (185, 40734), (190, 40719), (210, 40668), (245, 40593), (255, 40563),

Gene: Eureka_38 Start: 33647, Stop: 33895, Start Num: 158

Candidate Starts for Eureka_38:

(113, 33578), (114, 33581), (Start: 128 @33608 has 10 MA's), (Start: 158 @33647 has 3 MA's), (184, 33707), (195, 33740), (197, 33746), (216, 33800), (222, 33812),

Gene: Exile_31 Start: 26521, Stop: 26784, Start Num: 162

Candidate Starts for Exile_31:

(Start: 162 @26521 has 110 MA's), (240, 26719), (249, 26752),

Gene: Eyeball_64 Start: 42166, Stop: 41900, Start Num: 120

Candidate Starts for Eyeball_64:

(Start: 118 @42169 has 30 MA's), (Start: 120 @42166 has 109 MA's), (Start: 125 @42154 has 5 MA's), (Start: 170 @42133 has 11 MA's), (185, 42082), (190, 42067), (197, 42046), (203, 42025), (210, 42016), (218, 41986), (255, 41911),

Gene: Faith1_32 Start: 28422, Stop: 28688, Start Num: 160

Candidate Starts for Faith1_32:

(Start: 160 @28422 has 62 MA's), (Start: 179 @28467 has 6 MA's), (196, 28518), (223, 28584), (255, 28656), (262, 28677),

Gene: Fajezeel_63 Start: 40885, Stop: 40616, Start Num: 118

Candidate Starts for Fajezeel_63:

(Start: 118 @40885 has 30 MA's), (Start: 120 @40882 has 109 MA's), (Start: 125 @40870 has 5 MA's), (Start: 170 @40849 has 11 MA's), (185, 40798), (190, 40783), (197, 40762), (210, 40732), (218, 40702), (255, 40627),

Gene: FarmResident_30 Start: 27563, Stop: 27781, Start Num: 179

Candidate Starts for FarmResident_30:

(Start: 160 @27518 has 62 MA's), (Start: 179 @27563 has 6 MA's), (195, 27611), (222, 27677),

Gene: Fascinus_56 Start: 40671, Stop: 40402, Start Num: 118

Candidate Starts for Fascinus_56:

(Start: 118 @40671 has 30 MA's), (Start: 120 @40668 has 109 MA's), (Start: 125 @40656 has 5 MA's), (Start: 170 @40635 has 11 MA's), (185, 40584), (190, 40569), (197, 40548), (210, 40518), (218, 40488),

Gene: Fede_9 Start: 6342, Stop: 6010, Start Num: 110

Candidate Starts for Fede_9:

(Start: 110 @6342 has 22 MA's), (134, 6303), (143, 6291), (Start: 157 @6273 has 9 MA's), (192, 6192), (234, 6087),

Gene: Fefferhead_64 Start: 43334, Stop: 43576, Start Num: 165

Candidate Starts for Fefferhead_64:

(104, 43265), (Start: 165 @43334 has 167 MA's), (Start: 170 @43343 has 11 MA's), (185, 43394), (195, 43424), (237, 43520),

Gene: Fenn_64 Start: 42653, Stop: 42378, Start Num: 120

Candidate Starts for Fenn_64:

(Start: 120 @42653 has 109 MA's), (Start: 125 @42641 has 5 MA's), (Start: 170 @42611 has 11 MA's), (185, 42560), (190, 42545), (197, 42524), (203, 42503), (210, 42494), (218, 42464), (255, 42389),

Gene: Feyre_63 Start: 44492, Stop: 44740, Start Num: 165

Candidate Starts for Feyre_63:

(Start: 165 @44492 has 167 MA's), (190, 44567), (215, 44639), (233, 44663),

Gene: Filch_38 Start: 32893, Stop: 33138, Start Num: 161

Candidate Starts for Filch_38:

(Start: 161 @32893 has 154 MA's), (184, 32950), (195, 32983), (197, 32989), (216, 33043), (222, 33055),

Gene: Finalfrontier_36 Start: 26101, Stop: 26331, Start Num: 162

Candidate Starts for Finalfrontier_36:

(Start: 162 @26101 has 110 MA's),

Gene: Findley_69 Start: 46086, Stop: 46331, Start Num: 165

Candidate Starts for Findley_69:

(101, 46023), (Start: 165 @46086 has 167 MA's), (195, 46176), (219, 46245),

Gene: Finemlucis_32 Start: 28698, Stop: 28964, Start Num: 160

Candidate Starts for Finemlucis_32:

(Start: 160 @28698 has 62 MA's), (Start: 179 @28743 has 6 MA's), (196, 28794), (223, 28860), (255, 28932), (262, 28953),

Gene: Finnry_31 Start: 28788, Stop: 29054, Start Num: 160

Candidate Starts for Finnry_31:

(Start: 160 @28788 has 62 MA's), (Start: 170 @28800 has 11 MA's), (Start: 179 @28833 has 6 MA's),

Gene: Fionnbharth_70 Start: 43618, Stop: 43881, Start Num: 153

Candidate Starts for Fionnbharth_70:

(Start: 153 @43618 has 56 MA's), (Start: 167 @43633 has 4 MA's), (195, 43720), (236, 43816), (256, 43870),

Gene: FireRed_37 Start: 33163, Stop: 33408, Start Num: 161

Candidate Starts for FireRed_37:

(Start: 161 @33163 has 154 MA's), (184, 33220), (195, 33253), (197, 33259), (216, 33313), (222, 33325),

Gene: FlameThrower_34 Start: 25814, Stop: 26044, Start Num: 162

Candidate Starts for FlameThrower_34:

(81, 25685), (84, 25694), (88, 25700), (92, 25709), (99, 25721), (103, 25727), (111, 25739), (Start: 152 @25805 has 8 MA's), (Start: 162 @25814 has 110 MA's), (195, 25901), (204, 25928), (213, 25955), (241, 26006), (252, 26036),

Gene: Floop_43 Start: 27647, Stop: 27949, Start Num: 144

Candidate Starts for Floop_43:

(Start: 144 @27647 has 1 MA's), (Start: 162 @27665 has 110 MA's), (193, 27767), (198, 27785), (206, 27818), (249, 27932),

Gene: Flypotenuse_35 Start: 32731, Stop: 32976, Start Num: 161

Candidate Starts for Flypotenuse_35:

(Start: 161 @32731 has 154 MA's), (184, 32788), (195, 32821), (197, 32827), (214, 32875), (216, 32881), (222, 32893),

Gene: Footloose_59 Start: 33811, Stop: 34044, Start Num: 153

Candidate Starts for Footloose_59:

(Start: 153 @33811 has 56 MA's), (Start: 170 @33826 has 11 MA's), (192, 33895), (203, 33931), (205, 33940), (221, 33967),

Gene: Fork_31 Start: 9648, Stop: 9902, Start Num: 162

Candidate Starts for Fork_31:

(Start: 144 @9633 has 1 MA's), (Start: 162 @9648 has 110 MA's), (180, 9693), (197, 9744), (202, 9762), (211, 9780),

Gene: Francis47_60 Start: 41735, Stop: 41460, Start Num: 120

Candidate Starts for Francis47_60:

(Start: 118 @41738 has 30 MA's), (Start: 120 @41735 has 109 MA's), (Start: 125 @41723 has 5 MA's), (Start: 170 @41693 has 11 MA's), (185, 41642), (190, 41627), (197, 41606), (210, 41576), (218, 41546),

Gene: Franklin22_35 Start: 24188, Stop: 24418, Start Num: 162

Candidate Starts for Franklin22_35:

(12, 23681), (13, 23687), (15, 23756), (20, 23801), (30, 23906), (42, 23963), (62, 24020), (98, 24095), (104, 24104), (107, 24107), (Start: 162 @24188 has 110 MA's), (190, 24260), (213, 24329), (241, 24380), (252, 24410),

Gene: Froghopper_60 Start: 40239, Stop: 39964, Start Num: 120

Candidate Starts for Froghopper_60:

(Start: 118 @40242 has 30 MA's), (Start: 120 @40239 has 109 MA's), (Start: 125 @40227 has 5 MA's), (Start: 170 @40197 has 11 MA's), (185, 40146), (190, 40131), (197, 40110), (210, 40080), (218, 40050), (255, 39975),

Gene: Fryberger_117 Start: 56141, Stop: 56380, Start Num: 171

Candidate Starts for Fryberger_117:

(Start: 171 @56141 has 6 MA's), (211, 56264), (241, 56336), (242, 56339),

Gene: Fulbright_49 Start: 33994, Stop: 34242, Start Num: 154

Candidate Starts for Fulbright_49:

(17, 33580), (48, 33787), (59, 33820), (102, 33916), (Start: 154 @33994 has 32 MA's), (Start: 167 @34006 has 4 MA's), (Start: 170 @34012 has 11 MA's), (195, 34090), (218, 34156), (219, 34159),

Gene: Fullmetal_9 Start: 6128, Stop: 5772, Start Num: 112

Candidate Starts for Fullmetal_9:

(Start: 112 @6128 has 19 MA's), (134, 6089), (146, 6074), (188, 5987), (192, 5978), (229, 5870), (235, 5861), (246, 5822),

Gene: Fushigi_58 Start: 39205, Stop: 38936, Start Num: 118

Candidate Starts for Fushigi_58:

(Start: 118 @39205 has 30 MA's), (Start: 120 @39202 has 109 MA's), (Start: 125 @39190 has 5 MA's), (Start: 170 @39169 has 11 MA's), (185, 39118), (190, 39103), (197, 39082), (210, 39052), (218, 39022),

Gene: Gabriela_32 Start: 28684, Stop: 28950, Start Num: 160

Candidate Starts for Gabriela_32:

(Start: 160 @28684 has 62 MA's), (Start: 179 @28729 has 6 MA's), (196, 28780), (223, 28846), (255, 28918), (262, 28939),

Gene: Gack_33 Start: 23939, Stop: 24169, Start Num: 162

Candidate Starts for Gack_33:

(4, 23093), (8, 23219), (9, 23249), (15, 23507), (20, 23552), (30, 23657), (42, 23714), (62, 23771), (104, 23855), (107, 23858), (Start: 152 @23930 has 8 MA's), (Start: 162 @23939 has 110 MA's), (190, 24011), (204, 24053), (241, 24131),

Gene: Gage_39 Start: 33125, Stop: 33370, Start Num: 161

Candidate Starts for Gage_39:

(Start: 161 @33125 has 154 MA's), (184, 33182), (195, 33215), (197, 33221), (216, 33275), (222, 33287),

Gene: GageAP_63 Start: 41646, Stop: 41380, Start Num: 120

Candidate Starts for GageAP_63:

(Start: 118 @41649 has 30 MA's), (Start: 120 @41646 has 109 MA's), (Start: 125 @41634 has 5 MA's), (Start: 170 @41613 has 11 MA's), (185, 41562), (190, 41547), (197, 41526), (210, 41496), (218, 41466), (255, 41391),

Gene: Gambol_31 Start: 22494, Stop: 22760, Start Num: 149

Candidate Starts for Gambol_31:

(Start: 149 @22494 has 23 MA's), (Start: 159 @22503 has 12 MA's), (Start: 165 @22509 has 167 MA's), (187, 22572),

Gene: Gandalf20_64 Start: 42393, Stop: 42118, Start Num: 120

Candidate Starts for Gandalf20_64:

(Start: 118 @42396 has 30 MA's), (Start: 120 @42393 has 109 MA's), (Start: 125 @42381 has 5 MA's), (Start: 170 @42351 has 11 MA's), (185, 42300), (190, 42285), (197, 42264), (210, 42234), (218, 42204),

Gene: Ganymede_66 Start: 43845, Stop: 44087, Start Num: 165

Candidate Starts for Ganymede_66:

(Start: 165 @43845 has 167 MA's), (195, 43935), (237, 44031), (247, 44055),

Gene: Gardann_32 Start: 28424, Stop: 28690, Start Num: 160

Candidate Starts for Gardann_32:

(Start: 160 @28424 has 62 MA's), (Start: 179 @28469 has 6 MA's), (196, 28520), (223, 28586), (255, 28658), (262, 28679),

Gene: GardenSalsa_44 Start: 33882, Stop: 34133, Start Num: 162

Candidate Starts for GardenSalsa_44:

(Start: 162 @33882 has 110 MA's), (213, 34026), (214, 34029), (219, 34044), (250, 34098),

Gene: GardenState_42 Start: 27075, Stop: 27341, Start Num: 149

Candidate Starts for GardenState_42:

(Start: 149 @27075 has 23 MA's),

Gene: Gator_35 Start: 32743, Stop: 32988, Start Num: 161

Candidate Starts for Gator_35:

(Start: 161 @32743 has 154 MA's), (184, 32800), (195, 32833), (197, 32839), (216, 32893), (222, 32905),

Gene: Geeche_123 Start: 70760, Stop: 71053, Start Num: 149

Candidate Starts for Geeche_123:

(Start: 149 @70760 has 23 MA's), (Start: 176 @70808 has 2 MA's), (218, 70937),

Gene: Gemini_40 Start: 33642, Stop: 33887, Start Num: 161

Candidate Starts for Gemini_40:

(Start: 161 @33642 has 154 MA's), (184, 33699), (195, 33732), (197, 33738), (216, 33792), (222, 33804),

Gene: GenevaB15_44 Start: 33930, Stop: 34181, Start Num: 162

Candidate Starts for GenevaB15_44:

(Start: 162 @33930 has 110 MA's), (195, 34023), (213, 34074), (214, 34077), (219, 34092), (250, 34146),

Gene: Gengar_60 Start: 42478, Stop: 42726, Start Num: 165

Candidate Starts for Gengar_60:

(Start: 165 @42478 has 167 MA's), (186, 42541),

Gene: Geraldini_69 Start: 44501, Stop: 44743, Start Num: 165

Candidate Starts for Geraldini_69:

(Start: 165 @44501 has 167 MA's), (195, 44591), (237, 44687), (247, 44711),

Gene: Gex_50 Start: 34921, Stop: 35169, Start Num: 154

Candidate Starts for Gex_50:

(17, 34507), (48, 34714), (59, 34747), (102, 34843), (Start: 154 @34921 has 32 MA's), (Start: 167 @34933 has 4 MA's), (Start: 170 @34939 has 11 MA's), (195, 35017), (218, 35083), (219, 35086),

Gene: Glaske16_40 Start: 32761, Stop: 33039, Start Num: 147

Candidate Starts for Glaske16_40:

(82, 32650), (Start: 147 @32761 has 11 MA's), (Start: 162 @32779 has 110 MA's), (185, 32842), (215, 32929), (218, 32938), (222, 32947),

Gene: Glexan_35 Start: 32731, Stop: 32976, Start Num: 161

Candidate Starts for Glexan_35:

(Start: 161 @32731 has 154 MA's), (184, 32788), (195, 32821), (197, 32827), (214, 32875), (216, 32881), (222, 32893),

Gene: Goib_64 Start: 40122, Stop: 40346, Start Num: 164

Candidate Starts for Goib_64:

(Start: 164 @40122 has 10 MA's), (180, 40164), (195, 40209), (198, 40218), (216, 40269), (219, 40278),

Gene: Goku_38 Start: 33376, Stop: 33624, Start Num: 158

Candidate Starts for Goku_38:

(113, 33307), (114, 33310), (Start: 128 @33337 has 10 MA's), (Start: 158 @33376 has 3 MA's), (184, 33436), (195, 33469), (197, 33475), (216, 33529), (222, 33541),

Gene: GoldenSpark_39 Start: 33125, Stop: 33370, Start Num: 161

Candidate Starts for GoldenSpark_39:

(Start: 161 @33125 has 154 MA's), (184, 33182), (195, 33215), (197, 33221), (216, 33275), (222, 33287),

Gene: Goldilocks_38 Start: 32545, Stop: 32790, Start Num: 161

Candidate Starts for Goldilocks_38:

(Start: 161 @32545 has 154 MA's), (184, 32602), (195, 32635), (197, 32641), (216, 32695), (222, 32707),

Gene: Gollum_46 Start: 34296, Stop: 34000, Start Num: 153

Candidate Starts for Gollum_46:

(Start: 153 @34296 has 56 MA's), (169, 34278), (Start: 171 @34272 has 6 MA's), (210, 34155), (219, 34122), (222, 34116), (253, 34056), (263, 34008),

Gene: Gompeii16_61 Start: 42810, Stop: 42544, Start Num: 120

Candidate Starts for Gompeii16_61:

(Start: 118 @42813 has 30 MA's), (Start: 120 @42810 has 109 MA's), (Start: 125 @42798 has 5 MA's), (Start: 170 @42777 has 11 MA's), (185, 42726), (190, 42711), (197, 42690), (210, 42660), (218, 42630),

Gene: GooberAzure_39 Start: 33125, Stop: 33370, Start Num: 161

Candidate Starts for GooberAzure_39:

(Start: 161 @33125 has 154 MA's), (184, 33182), (195, 33215), (197, 33221), (216, 33275), (222, 33287),

Gene: Graduation_66 Start: 42500, Stop: 42234, Start Num: 120

Candidate Starts for Graduation_66:

(Start: 118 @42503 has 30 MA's), (Start: 120 @42500 has 109 MA's), (Start: 125 @42488 has 5 MA's), (Start: 170 @42467 has 11 MA's), (185, 42416), (190, 42401), (197, 42380), (210, 42350), (218, 42320), (255, 42245),

Gene: GrecoEtereo_61 Start: 40288, Stop: 40022, Start Num: 120

Candidate Starts for GrecoEtereo_61:

(Start: 118 @40291 has 30 MA's), (Start: 120 @40288 has 109 MA's), (Start: 125 @40276 has 5 MA's), (Start: 170 @40255 has 11 MA's), (185, 40204), (190, 40189), (197, 40168), (210, 40138), (218, 40108),

Gene: Greely_81 Start: 31000, Stop: 31251, Start Num: 115
Candidate Starts for Greely_81:
(Start: 115 @31000 has 2 MA's), (143, 31045), (185, 31126),

Gene: Greg_63 Start: 40885, Stop: 40616, Start Num: 118
Candidate Starts for Greg_63:
(Start: 118 @40885 has 30 MA's), (Start: 120 @40882 has 109 MA's), (Start: 125 @40870 has 5 MA's), (Start: 170 @40849 has 11 MA's), (185, 40798), (190, 40783), (197, 40762), (210, 40732), (218, 40702), (255, 40627),

Gene: Gretchen_42 Start: 28431, Stop: 28688, Start Num: 149
Candidate Starts for Gretchen_42:
(Start: 149 @28431 has 23 MA's), (180, 28485), (222, 28611), (227, 28623), (235, 28635),

Gene: Gspu1_55 Start: 37586, Stop: 37813, Start Num: 167
Candidate Starts for Gspu1_55:
(Start: 167 @37586 has 4 MA's), (180, 37628), (194, 37670), (218, 37739), (233, 37748), (250, 37796),

Gene: Guanica15_71 Start: 43944, Stop: 44186, Start Num: 165
Candidate Starts for Guanica15_71:
(101, 43866), (Start: 165 @43944 has 167 MA's), (237, 44130),

Gene: Guey18_121 Start: 57464, Stop: 57703, Start Num: 171
Candidate Starts for Guey18_121:
(Start: 171 @57464 has 6 MA's), (211, 57587), (241, 57659), (242, 57662),

Gene: Guillsminger_61 Start: 42432, Stop: 42680, Start Num: 165
Candidate Starts for Guillsminger_61:
(Start: 165 @42432 has 167 MA's), (190, 42507), (215, 42579),

Gene: GuuelaD_32 Start: 28456, Stop: 28722, Start Num: 160
Candidate Starts for GuuelaD_32:
(Start: 160 @28456 has 62 MA's), (Start: 179 @28501 has 6 MA's), (196, 28552), (223, 28618), (255, 28690), (262, 28711),

Gene: Gwendoluna_65 Start: 43032, Stop: 42778, Start Num: 125
Candidate Starts for Gwendoluna_65:
(Start: 117 @43044 has 6 MA's), (Start: 125 @43032 has 5 MA's), (Start: 170 @43011 has 11 MA's), (185, 42960), (190, 42945), (197, 42924), (203, 42903), (210, 42894), (218, 42864),

Gene: Gyzlar_57 Start: 38964, Stop: 38710, Start Num: 125
Candidate Starts for Gyzlar_57:
(Start: 117 @38976 has 6 MA's), (Start: 125 @38964 has 5 MA's), (Start: 170 @38943 has 11 MA's), (185, 38892), (190, 38877), (197, 38856), (210, 38826), (218, 38796), (255, 38721),

Gene: Hafay_32 Start: 28500, Stop: 28721, Start Num: 179
Candidate Starts for Hafay_32:
(Start: 160 @28455 has 62 MA's), (Start: 179 @28500 has 6 MA's), (196, 28551), (223, 28617), (255, 28689), (262, 28710),

Gene: Halena_30 Start: 27701, Stop: 27970, Start Num: 160
Candidate Starts for Halena_30:

(Start: 160 @27701 has 62 MA's), (Start: 179 @27746 has 6 MA's), (218, 27854),

Gene: Halley_52 Start: 44132, Stop: 44377, Start Num: 161

Candidate Starts for Halley_52:

(Start: 161 @44132 has 154 MA's), (185, 44195), (195, 44225), (196, 44228), (219, 44288), (222, 44291), (223, 44294),

Gene: Halsey_39 Start: 22590, Stop: 22856, Start Num: 149

Candidate Starts for Halsey_39:

(Start: 149 @22590 has 23 MA's), (Start: 165 @22605 has 167 MA's), (187, 22668), (193, 22686), (226, 22788),

Gene: Hami1_57 Start: 36945, Stop: 36679, Start Num: 120

Candidate Starts for Hami1_57:

(Start: 118 @36948 has 30 MA's), (Start: 120 @36945 has 109 MA's), (Start: 125 @36933 has 5 MA's), (Start: 170 @36912 has 11 MA's), (185, 36861), (190, 36846), (197, 36825), (210, 36795), (218, 36765),

Gene: Hammy_66 Start: 43955, Stop: 44194, Start Num: 165

Candidate Starts for Hammy_66:

(Start: 165 @43955 has 167 MA's), (195, 44045), (215, 44105),

Gene: HanKaySha_38 Start: 32877, Stop: 33122, Start Num: 161

Candidate Starts for HanKaySha_38:

(Start: 161 @32877 has 154 MA's), (184, 32934), (195, 32967), (197, 32973), (216, 33027), (222, 33039),

Gene: Hanako_56 Start: 36173, Stop: 36421, Start Num: 154

Candidate Starts for Hanako_56:

(Start: 154 @36173 has 32 MA's), (Start: 167 @36185 has 4 MA's), (218, 36335), (219, 36338), (255, 36413),

Gene: Hannaconda_48 Start: 38620, Stop: 38868, Start Num: 161

Candidate Starts for Hannaconda_48:

(Start: 161 @38620 has 154 MA's), (212, 38752),

Gene: Harella_36 Start: 33247, Stop: 33492, Start Num: 161

Candidate Starts for Harella_36:

(Start: 161 @33247 has 154 MA's), (184, 33304), (195, 33337), (197, 33343), (214, 33391), (216, 33397), (222, 33409),

Gene: Harlequin_45 Start: 34082, Stop: 33786, Start Num: 153

Candidate Starts for Harlequin_45:

(Start: 153 @34082 has 56 MA's), (169, 34064), (Start: 171 @34058 has 6 MA's), (210, 33941), (219, 33908), (222, 33902), (253, 33842), (263, 33794),

Gene: HedwigODU_66 Start: 43467, Stop: 43709, Start Num: 165

Candidate Starts for HedwigODU_66:

(Start: 165 @43467 has 167 MA's), (195, 43557), (237, 43653), (247, 43677),

Gene: Heftyboy_61 Start: 42799, Stop: 43047, Start Num: 165

Candidate Starts for Heftyboy_61:

(Start: 165 @42799 has 167 MA's), (190, 42874), (215, 42946), (233, 42970),

Gene: Henry_38 Start: 33135, Stop: 33380, Start Num: 161

Candidate Starts for Henry_38:

(Start: 161 @33135 has 154 MA's), (184, 33192), (195, 33225), (197, 33231), (214, 33279), (216, 33285), (222, 33297),

Gene: Hermia_60 Start: 40961, Stop: 40695, Start Num: 120

Candidate Starts for Hermia_60:

(Start: 118 @40964 has 30 MA's), (Start: 120 @40961 has 109 MA's), (Start: 125 @40949 has 5 MA's), (Start: 170 @40928 has 11 MA's), (185, 40877), (190, 40862), (197, 40841), (210, 40811), (218, 40781),

Gene: Highbury_38 Start: 32793, Stop: 33038, Start Num: 161

Candidate Starts for Highbury_38:

(Start: 161 @32793 has 154 MA's), (184, 32850), (195, 32883), (197, 32889), (216, 32943), (222, 32955),

Gene: Hiro_46 Start: 34558, Stop: 34262, Start Num: 153

Candidate Starts for Hiro_46:

(Start: 153 @34558 has 56 MA's), (169, 34540), (Start: 171 @34534 has 6 MA's), (185, 34486), (210, 34417), (219, 34384), (222, 34378), (253, 34318), (263, 34270),

Gene: HitchHiker_10 Start: 6310, Stop: 5987, Start Num: 110

Candidate Starts for HitchHiker_10:

(40, 6478), (46, 6460), (54, 6427), (Start: 110 @6310 has 22 MA's), (143, 6259), (Start: 154 @6244 has 32 MA's), (Start: 179 @6196 has 6 MA's), (215, 6088), (241, 6040), (246, 6022),

Gene: HokkenD_45 Start: 42401, Stop: 42646, Start Num: 161

Candidate Starts for HokkenD_45:

(Start: 161 @42401 has 154 MA's), (185, 42464), (195, 42494), (196, 42497), (219, 42557), (222, 42560), (223, 42563),

Gene: Holt_38 Start: 32412, Stop: 32657, Start Num: 161

Candidate Starts for Holt_38:

(Start: 161 @32412 has 154 MA's), (184, 32469), (195, 32502), (197, 32508), (214, 32556), (216, 32562), (222, 32574),

Gene: Homines_54 Start: 37291, Stop: 37025, Start Num: 120

Candidate Starts for Homines_54:

(Start: 118 @37294 has 30 MA's), (Start: 120 @37291 has 109 MA's), (Start: 125 @37279 has 5 MA's), (Start: 170 @37258 has 11 MA's), (185, 37207), (190, 37192), (197, 37171), (210, 37141), (218, 37111), (255, 37036),

Gene: Homura_66 Start: 43622, Stop: 43864, Start Num: 165

Candidate Starts for Homura_66:

(Start: 165 @43622 has 167 MA's), (195, 43712), (237, 43808), (247, 43832),

Gene: Honk_39 Start: 24394, Stop: 24654, Start Num: 145

Candidate Starts for Honk_39:

(Start: 145 @24394 has 1 MA's), (175, 24433),

Gene: Hoonter_39 Start: 33125, Stop: 33370, Start Num: 161

Candidate Starts for Hoonter_39:

(Start: 161 @33125 has 154 MA's), (184, 33182), (195, 33215), (197, 33221), (216, 33275), (222, 33287),

Gene: Hope4ever_63 Start: 41279, Stop: 41004, Start Num: 120

Candidate Starts for Hope4ever_63:

(Start: 118 @41282 has 30 MA's), (Start: 120 @41279 has 109 MA's), (Start: 125 @41267 has 5 MA's), (Start: 170 @41237 has 11 MA's), (185, 41186), (190, 41171), (197, 41150), (210, 41120), (218, 41090), (255, 41015),

Gene: Hopey_39 Start: 33412, Stop: 33657, Start Num: 161

Candidate Starts for Hopey_39:

(Start: 161 @33412 has 154 MA's), (184, 33469), (195, 33502), (197, 33508), (216, 33562), (222, 33574),

Gene: Hortus1_28 Start: 9181, Stop: 9435, Start Num: 162

Candidate Starts for Hortus1_28:

(123, 9133), (148, 9166), (Start: 162 @9181 has 110 MA's), (180, 9226), (192, 9262), (222, 9349),

Gene: Hubbs_30 Start: 9589, Stop: 9837, Start Num: 162

Candidate Starts for Hubbs_30:

(Start: 130 @9550 has 1 MA's), (Start: 162 @9589 has 110 MA's), (180, 9634), (192, 9670), (247, 9817),

Gene: HufflyPuff_36 Start: 33119, Stop: 33364, Start Num: 161

Candidate Starts for HufflyPuff_36:

(Start: 161 @33119 has 154 MA's), (184, 33176), (195, 33209), (197, 33215), (216, 33269), (222, 33281),

Gene: Huffy_63 Start: 39006, Stop: 39230, Start Num: 164

Candidate Starts for Huffy_63:

(Start: 164 @39006 has 10 MA's), (180, 39048), (195, 39093), (198, 39102), (216, 39153), (219, 39162), (237, 39183),

Gene: Hughesyang_50 Start: 44061, Stop: 44306, Start Num: 161

Candidate Starts for Hughesyang_50:

(Start: 161 @44061 has 154 MA's), (185, 44124), (195, 44154), (196, 44157), (219, 44217), (222, 44220), (223, 44223),

Gene: Hurricane_68 Start: 44101, Stop: 44340, Start Num: 165

Candidate Starts for Hurricane_68:

(Start: 165 @44101 has 167 MA's), (Start: 176 @44134 has 2 MA's), (195, 44188), (215, 44248), (219, 44260),

Gene: Hyperbowlee_66 Start: 43819, Stop: 44061, Start Num: 165

Candidate Starts for Hyperbowlee_66:

(Start: 165 @43819 has 167 MA's), (195, 43909), (237, 44005), (247, 44029),

Gene: IAmGroot_42 Start: 27740, Stop: 28006, Start Num: 149

Candidate Starts for IAmGroot_42:

(Start: 149 @27740 has 23 MA's),

Gene: ILeeKay_64 Start: 41170, Stop: 40895, Start Num: 120

Candidate Starts for ILeeKay_64:

(Start: 118 @41173 has 30 MA's), (Start: 120 @41170 has 109 MA's), (Start: 125 @41158 has 5 MA's), (185, 41077), (190, 41062), (197, 41041), (210, 41011), (218, 40981),

Gene: IPhone7_39 Start: 32762, Stop: 33040, Start Num: 147

Candidate Starts for IPhone7_39:

(82, 32651), (Start: 147 @32762 has 11 MA's), (Start: 162 @32780 has 110 MA's), (185, 32843), (215, 32930), (218, 32939), (222, 32948),

Gene: Icarian_39 Start: 26879, Stop: 27112, Start Num: 162

Candidate Starts for Icarian_39:

(81, 26750), (83, 26753), (90, 26771), (97, 26783), (99, 26786), (105, 26795), (Start: 152 @26870 has 8 MA's), (Start: 162 @26879 has 110 MA's), (180, 26921),

Gene: Icee_36 Start: 32793, Stop: 33038, Start Num: 161

Candidate Starts for Icee_36:

(Start: 161 @32793 has 154 MA's), (184, 32850), (195, 32883), (197, 32889), (216, 32943), (222, 32955),

Gene: Ichabod_66 Start: 42392, Stop: 42126, Start Num: 120

Candidate Starts for Ichabod_66:

(Start: 118 @42395 has 30 MA's), (Start: 120 @42392 has 109 MA's), (Start: 125 @42380 has 5 MA's), (Start: 170 @42359 has 11 MA's), (185, 42308), (190, 42293), (197, 42272), (210, 42242), (218, 42212), (255, 42137),

Gene: Illumine_72 Start: 45460, Stop: 45702, Start Num: 165

Candidate Starts for Illumine_72:

(Start: 165 @45460 has 167 MA's), (195, 45550), (237, 45646), (247, 45670),

Gene: Inca_36 Start: 31814, Stop: 32059, Start Num: 161

Candidate Starts for Inca_36:

(Start: 161 @31814 has 154 MA's), (184, 31871), (195, 31904), (197, 31910), (216, 31964), (222, 31976),

Gene: Indlulamithi_37 Start: 32452, Stop: 32694, Start Num: 161

Candidate Starts for Indlulamithi_37:

(Start: 161 @32452 has 154 MA's), (Start: 182 @32506 has 1 MA's), (220, 32593), (259, 32677), (260, 32680),

Gene: IndyLu_35 Start: 25415, Stop: 25645, Start Num: 162

Candidate Starts for IndyLu_35:

(80, 25286), (81, 25289), (89, 25307), (95, 25319), (97, 25322), (105, 25331), (Start: 152 @25406 has 8 MA's), (Start: 162 @25415 has 110 MA's), (213, 25556),

Gene: Inky_66 Start: 43622, Stop: 43864, Start Num: 165

Candidate Starts for Inky_66:

(Start: 165 @43622 has 167 MA's), (195, 43712), (237, 43808), (247, 43832),

Gene: InvictusManeo_58 Start: 40773, Stop: 41021, Start Num: 165

Candidate Starts for InvictusManeo_58:

(Start: 165 @40773 has 167 MA's), (211, 40905), (219, 40935), (243, 40968),

Gene: Inyanga_57 Start: 41026, Stop: 40760, Start Num: 120

Candidate Starts for Inyanga_57:

(Start: 118 @41029 has 30 MA's), (Start: 120 @41026 has 109 MA's), (Start: 125 @41014 has 5 MA's), (Start: 170 @40993 has 11 MA's), (185, 40942), (190, 40927), (197, 40906), (210, 40876), (218, 40846), (255, 40771),

Gene: Iter_34 Start: 24797, Stop: 25063, Start Num: 142

Candidate Starts for Iter_34:

(Start: 142 @24797 has 20 MA's), (219, 24980),

Gene: Itos_32 Start: 28422, Stop: 28688, Start Num: 160

Candidate Starts for Itos_32:

(Start: 160 @28422 has 62 MA's), (Start: 179 @28467 has 6 MA's), (196, 28518), (223, 28584), (255, 28656), (262, 28677),

Gene: IttyBittyPiggy_33 Start: 24853, Stop: 25107, Start Num: 139

Candidate Starts for IttyBittyPiggy_33:

(32, 24598), (41, 24634), (Start: 139 @24853 has 3 MA's),

Gene: JAWS_67 Start: 43898, Stop: 44140, Start Num: 165

Candidate Starts for JAWS_67:

(Start: 165 @43898 has 167 MA's), (195, 43988), (237, 44084), (247, 44108),

Gene: JC27_65 Start: 41732, Stop: 41466, Start Num: 120

Candidate Starts for JC27_65:

(Start: 120 @41732 has 109 MA's), (Start: 125 @41720 has 5 MA's), (Start: 167 @41705 has 4 MA's), (Start: 170 @41699 has 11 MA's), (185, 41648), (190, 41633), (197, 41612), (210, 41582), (218, 41552),

Gene: Jacko_31 Start: 9673, Stop: 9921, Start Num: 162

Candidate Starts for Jacko_31:

(Start: 162 @9673 has 110 MA's), (Start: 170 @9685 has 11 MA's), (180, 9718), (229, 9853),

Gene: Jamie19_49 Start: 34464, Stop: 34712, Start Num: 154

Candidate Starts for Jamie19_49:

(Start: 154 @34464 has 32 MA's), (Start: 167 @34476 has 4 MA's), (218, 34626), (219, 34629), (255, 34704),

Gene: Janeemi_35 Start: 26823, Stop: 27089, Start Num: 142

Candidate Starts for Janeemi_35:

(Start: 142 @26823 has 20 MA's),

Gene: Jarvi_66 Start: 43622, Stop: 43864, Start Num: 165

Candidate Starts for Jarvi_66:

(Start: 165 @43622 has 167 MA's), (195, 43712), (237, 43808), (247, 43832),

Gene: JasmineDragon_39 Start: 26463, Stop: 26750, Start Num: 153

Candidate Starts for JasmineDragon_39:

(Start: 153 @26463 has 56 MA's), (221, 26655),

Gene: Jasper_62 Start: 40214, Stop: 39948, Start Num: 120

Candidate Starts for Jasper_62:

(Start: 120 @40214 has 109 MA's), (Start: 125 @40202 has 5 MA's), (Start: 167 @40187 has 4 MA's), (Start: 170 @40181 has 11 MA's), (185, 40130), (190, 40115), (197, 40094), (210, 40064), (218, 40034), (255, 39959),

Gene: Jayhawk_68 Start: 43965, Stop: 44207, Start Num: 165
Candidate Starts for Jayhawk_68:
(Start: 165 @43965 has 167 MA's), (195, 44055), (237, 44151), (247, 44175),

Gene: JeTaime_39 Start: 33936, Stop: 34181, Start Num: 161
Candidate Starts for JeTaime_39:
(Start: 161 @33936 has 154 MA's), (184, 33993), (195, 34026), (197, 34032), (216, 34086), (222, 34098),

Gene: Jeckyll_66 Start: 43622, Stop: 43864, Start Num: 165
Candidate Starts for Jeckyll_66:
(Start: 165 @43622 has 167 MA's), (195, 43712), (237, 43808), (247, 43832),

Gene: Jerm2_64 Start: 42536, Stop: 42270, Start Num: 120
Candidate Starts for Jerm2_64:
(Start: 118 @42539 has 30 MA's), (Start: 120 @42536 has 109 MA's), (Start: 125 @42524 has 5 MA's), (Start: 170 @42503 has 11 MA's), (185, 42452), (190, 42437), (197, 42416), (210, 42386), (218, 42356), (255, 42281),

Gene: Jester_45 Start: 34013, Stop: 33717, Start Num: 153
Candidate Starts for Jester_45:
(Start: 153 @34013 has 56 MA's), (169, 33995), (Start: 171 @33989 has 6 MA's), (210, 33872), (219, 33839), (222, 33833), (253, 33773), (263, 33725),

Gene: Jobypre_31 Start: 28829, Stop: 29050, Start Num: 179
Candidate Starts for Jobypre_31:
(Start: 160 @28784 has 62 MA's), (Start: 170 @28796 has 11 MA's), (Start: 179 @28829 has 6 MA's),

Gene: JoeDirt_30 Start: 27672, Stop: 27941, Start Num: 160
Candidate Starts for JoeDirt_30:
(Start: 160 @27672 has 62 MA's), (Start: 179 @27717 has 6 MA's), (218, 27825),

Gene: Joemato_33 Start: 24755, Stop: 25021, Start Num: 142
Candidate Starts for Joemato_33:
(32, 24497), (Start: 142 @24755 has 20 MA's), (219, 24938),

Gene: JohnDoe_33 Start: 24746, Stop: 25012, Start Num: 142
Candidate Starts for JohnDoe_33:
(32, 24488), (Start: 142 @24746 has 20 MA's), (219, 24929),

Gene: Johnathan_35 Start: 24821, Stop: 25051, Start Num: 162
Candidate Starts for Johnathan_35:
(Start: 162 @24821 has 110 MA's),

Gene: JonJames_133 Start: 77174, Stop: 77473, Start Num: 149
Candidate Starts for JonJames_133:
(Start: 149 @77174 has 23 MA's), (180, 77234), (197, 77276), (200, 77285), (210, 77321), (218, 77351),

Gene: JordanFarm_9 Start: 6089, Stop: 5751, Start Num: 112
Candidate Starts for JordanFarm_9:
(57, 6161), (Start: 112 @6089 has 19 MA's), (134, 6050), (178, 5978), (192, 5939), (247, 5798),

Gene: Jorgensen_65 Start: 41384, Stop: 41109, Start Num: 120

Candidate Starts for Jorgensen_65:

(Start: 118 @41387 has 30 MA's), (Start: 120 @41384 has 109 MA's), (Start: 125 @41372 has 5 MA's), (Start: 170 @41342 has 11 MA's), (185, 41291), (190, 41276), (197, 41255), (210, 41225), (218, 41195), (255, 41120),

Gene: Jovita_37 Start: 25579, Stop: 25821, Start Num: 162

Candidate Starts for Jovita_37:

(Start: 162 @25579 has 110 MA's), (252, 25813),

Gene: Joy99_66 Start: 43551, Stop: 43793, Start Num: 165

Candidate Starts for Joy99_66:

(Start: 165 @43551 has 167 MA's), (195, 43641), (237, 43737), (247, 43761),

Gene: JoyLin_53 Start: 37210, Stop: 37458, Start Num: 159

Candidate Starts for JoyLin_53:

(Start: 159 @37210 has 12 MA's), (197, 37309), (198, 37315), (218, 37369), (219, 37372), (222, 37378), (257, 37447),

Gene: Jstan_36 Start: 26608, Stop: 26865, Start Num: 159

Candidate Starts for Jstan_36:

(32, 26371), (34, 26380), (Start: 159 @26608 has 12 MA's), (180, 26656), (221, 26773),

Gene: Jubie_31 Start: 28785, Stop: 29051, Start Num: 160

Candidate Starts for Jubie_31:

(Start: 160 @28785 has 62 MA's), (Start: 170 @28797 has 11 MA's), (Start: 179 @28830 has 6 MA's),

Gene: JuicyJay_54 Start: 45887, Stop: 46132, Start Num: 161

Candidate Starts for JuicyJay_54:

(Start: 161 @45887 has 154 MA's), (185, 45950), (195, 45980), (196, 45983), (219, 46043), (222, 46046), (223, 46049),

Gene: JuliaChild_63 Start: 41613, Stop: 41338, Start Num: 120

Candidate Starts for JuliaChild_63:

(Start: 118 @41616 has 30 MA's), (Start: 120 @41613 has 109 MA's), (Start: 125 @41601 has 5 MA's), (Start: 170 @41571 has 11 MA's), (185, 41520), (190, 41505), (197, 41484), (210, 41454), (218, 41424),

Gene: Juliette_72 Start: 43682, Stop: 43945, Start Num: 153

Candidate Starts for Juliette_72:

(Start: 153 @43682 has 56 MA's), (Start: 167 @43697 has 4 MA's), (195, 43784), (236, 43880), (256, 43934),

Gene: JuneStar_33 Start: 26763, Stop: 27023, Start Num: 162

Candidate Starts for JuneStar_33:

(Start: 162 @26763 has 110 MA's), (219, 26922),

Gene: KBG_63 Start: 43145, Stop: 42876, Start Num: 118

Candidate Starts for KBG_63:

(Start: 118 @43145 has 30 MA's), (Start: 120 @43142 has 109 MA's), (Start: 125 @43130 has 5 MA's), (Start: 170 @43106 has 11 MA's), (184, 43061), (190, 43043), (210, 42992), (255, 42887),

Gene: KSSJEB_62 Start: 40592, Stop: 40323, Start Num: 118

Candidate Starts for KSSJEB_62:

(Start: 118 @40592 has 30 MA's), (Start: 120 @40589 has 109 MA's), (Start: 125 @40577 has 5 MA's), (Start: 170 @40556 has 11 MA's), (185, 40505), (190, 40490), (197, 40469), (210, 40439), (218, 40409),

Gene: Kahlid_32 Start: 28472, Stop: 28693, Start Num: 179

Candidate Starts for Kahlid_32:

(Start: 160 @28427 has 62 MA's), (Start: 179 @28472 has 6 MA's), (196, 28523), (223, 28589), (255, 28661), (262, 28682),

Gene: Kalah2_52 Start: 44487, Stop: 44732, Start Num: 161

Candidate Starts for Kalah2_52:

(Start: 161 @44487 has 154 MA's), (185, 44550), (195, 44580), (196, 44583), (219, 44643), (222, 44646), (223, 44649),

Gene: Kalimba_31 Start: 22493, Stop: 22759, Start Num: 149

Candidate Starts for Kalimba_31:

(Start: 149 @22493 has 23 MA's), (Start: 159 @22502 has 12 MA's), (Start: 165 @22508 has 167 MA's), (187, 22571),

Gene: Kanely_63 Start: 41177, Stop: 40902, Start Num: 120

Candidate Starts for Kanely_63:

(Start: 118 @41180 has 30 MA's), (Start: 120 @41177 has 109 MA's), (Start: 125 @41165 has 5 MA's), (185, 41084), (190, 41069), (197, 41048), (210, 41018), (218, 40988),

Gene: Kanye_39 Start: 34121, Stop: 34366, Start Num: 161

Candidate Starts for Kanye_39:

(Start: 161 @34121 has 154 MA's), (184, 34178), (195, 34211), (197, 34217), (216, 34271), (222, 34283),

Gene: KashFlow_45 Start: 38241, Stop: 38489, Start Num: 161

Candidate Starts for KashFlow_45:

(Start: 161 @38241 has 154 MA's), (212, 38373),

Gene: Kate33_35 Start: 25175, Stop: 25417, Start Num: 162

Candidate Starts for Kate33_35:

(Start: 162 @25175 has 110 MA's), (213, 25316),

Gene: Katzastrophic_35 Start: 25943, Stop: 26173, Start Num: 162

Candidate Starts for Katzastrophic_35:

(81, 25814), (84, 25823), (88, 25829), (92, 25838), (99, 25850), (103, 25856), (111, 25868), (Start: 152 @25934 has 8 MA's), (Start: 162 @25943 has 110 MA's), (195, 26030), (213, 26084), (241, 26135), (252, 26165),

Gene: Kaylissa_33 Start: 24719, Stop: 24961, Start Num: 162

Candidate Starts for Kaylissa_33:

(Start: 162 @24719 has 110 MA's), (219, 24878),

Gene: KeAlii_33 Start: 24733, Stop: 24990, Start Num: 139

Candidate Starts for KeAlii_33:

(39, 24508), (Start: 139 @24733 has 3 MA's),

Gene: Keelan_118 Start: 57003, Stop: 57242, Start Num: 171

Candidate Starts for Keelan_118:

(116, 56925), (Start: 171 @57003 has 6 MA's), (180, 57042), (185, 57057), (210, 57123), (241, 57198), (247, 57219),

Gene: Kenmech_65 Start: 42818, Stop: 42549, Start Num: 118

Candidate Starts for Kenmech_65:

(Start: 118 @42818 has 30 MA's), (Start: 120 @42815 has 109 MA's), (Start: 125 @42803 has 5 MA's), (Start: 170 @42782 has 11 MA's), (185, 42731), (190, 42716), (197, 42695), (210, 42665), (218, 42635),

Gene: Kenzers_36 Start: 25402, Stop: 25644, Start Num: 162

Candidate Starts for Kenzers_36:

(Start: 162 @25402 has 110 MA's), (252, 25636),

Gene: Kevin1_52 Start: 34949, Stop: 35200, Start Num: 154

Candidate Starts for Kevin1_52:

(59, 34775), (102, 34871), (Start: 154 @34949 has 32 MA's), (Start: 167 @34961 has 4 MA's), (195, 35045), (218, 35111), (219, 35114),

Gene: Khuang_61 Start: 36119, Stop: 36397, Start Num: 162

Candidate Starts for Khuang_61:

(109, 36041), (Start: 162 @36119 has 110 MA's), (180, 36164), (199, 36221), (200, 36224), (218, 36290),

Gene: KiSi_71 Start: 44647, Stop: 44877, Start Num: 165

Candidate Starts for KiSi_71:

(Start: 165 @44647 has 167 MA's), (203, 44764), (215, 44782),

Gene: Kieran_34 Start: 25998, Stop: 26228, Start Num: 162

Candidate Starts for Kieran_34:

(18, 25578), (23, 25641), (25, 25659), (26, 25680), (29, 25689), (31, 25713), (35, 25731), (36, 25737), (44, 25764), (45, 25767), (50, 25788), (51, 25791), (61, 25818), (66, 25830), (70, 25845), (79, 25860), (81, 25869), (84, 25878), (88, 25884), (92, 25893), (99, 25905), (103, 25911), (Start: 152 @25989 has 8 MA's), (Start: 162 @25998 has 110 MA's), (190, 26070), (195, 26085), (213, 26139), (241, 26190), (252, 26220),

Gene: Kikiko_7 Start: 5275, Stop: 4988, Start Num: 156

Candidate Starts for Kikiko_7:

(Start: 156 @5275 has 2 MA's), (180, 5227), (194, 5185), (225, 5101),

Gene: Kimchi_39 Start: 33128, Stop: 33373, Start Num: 161

Candidate Starts for Kimchi_39:

(Start: 161 @33128 has 154 MA's), (184, 33185), (195, 33218), (197, 33224), (216, 33278), (222, 33290),

Gene: KingKamren_9 Start: 6124, Stop: 5798, Start Num: 110

Candidate Starts for KingKamren_9:

(Start: 110 @6124 has 22 MA's), (143, 6073), (214, 5905), (246, 5836),

Gene: Kingsolomon_31 Start: 28784, Stop: 29050, Start Num: 160

Candidate Starts for Kingsolomon_31:

(Start: 160 @28784 has 62 MA's), (Start: 170 @28796 has 11 MA's), (Start: 179 @28829 has 6 MA's),

Gene: KirDoubleO7_29 Start: 28812, Stop: 29033, Start Num: 179

Candidate Starts for KirDoubleO7_29:

(Start: 160 @28767 has 62 MA's), (Start: 170 @28779 has 11 MA's), (Start: 179 @28812 has 6 MA's), (195, 28860),

Gene: Klein_52 Start: 43699, Stop: 43944, Start Num: 161

Candidate Starts for Klein_52:

(Start: 161 @43699 has 154 MA's), (185, 43762), (195, 43792), (196, 43795), (219, 43855), (222, 43858), (223, 43861),

Gene: Kostya_38 Start: 33136, Stop: 33381, Start Num: 161

Candidate Starts for Kostya_38:

(Start: 161 @33136 has 154 MA's), (184, 33193), (195, 33226), (197, 33232), (216, 33286), (222, 33298),

Gene: Kratio_58 Start: 40509, Stop: 40757, Start Num: 165

Candidate Starts for Kratio_58:

(Start: 165 @40509 has 167 MA's), (211, 40641), (219, 40671), (243, 40704),

Gene: Krishelle_46 Start: 34658, Stop: 34362, Start Num: 153

Candidate Starts for Krishelle_46:

(Start: 153 @34658 has 56 MA's), (169, 34640), (Start: 171 @34634 has 6 MA's), (210, 34517), (219, 34484), (222, 34478), (253, 34418), (263, 34370),

Gene: Krypton555_31 Start: 28682, Stop: 28948, Start Num: 160

Candidate Starts for Krypton555_31:

(Start: 130 @28643 has 1 MA's), (Start: 160 @28682 has 62 MA's), (Start: 170 @28694 has 11 MA's), (Start: 179 @28727 has 6 MA's), (195, 28775),

Gene: Kugel_64 Start: 42232, Stop: 41954, Start Num: 118

Candidate Starts for Kugel_64:

(Start: 118 @42232 has 30 MA's), (Start: 120 @42229 has 109 MA's), (Start: 125 @42217 has 5 MA's), (Start: 170 @42187 has 11 MA's), (185, 42136), (190, 42121), (197, 42100), (210, 42070), (218, 42040), (255, 41965),

Gene: Kumao_40 Start: 35332, Stop: 35592, Start Num: 153

Candidate Starts for Kumao_40:

(Start: 153 @35332 has 56 MA's), (Start: 162 @35341 has 110 MA's), (181, 35392), (197, 35440), (210, 35470), (212, 35479), (218, 35500), (219, 35503), (221, 35506),

Gene: Kumotta_57 Start: 33061, Stop: 33339, Start Num: 159

Candidate Starts for Kumotta_57:

(Start: 159 @33061 has 12 MA's), (180, 33109), (214, 33223),

Gene: KyMonks1A_65 Start: 41158, Stop: 40901, Start Num: 128

Candidate Starts for KyMonks1A_65:

(Start: 128 @41158 has 10 MA's), (Start: 167 @41140 has 4 MA's), (Start: 170 @41134 has 11 MA's), (185, 41083), (190, 41068), (197, 41047), (210, 41017), (218, 40987), (255, 40912),

Gene: Lahqtemish_35 Start: 25448, Stop: 25690, Start Num: 162

Candidate Starts for Lahqtemish_35:

(Start: 162 @25448 has 110 MA's), (213, 25589),

Gene: Lamina13_66 Start: 42549, Stop: 42280, Start Num: 118

Candidate Starts for Lamina13_66:

(Start: 118 @42549 has 30 MA's), (Start: 120 @42546 has 109 MA's), (Start: 125 @42534 has 5 MA's), (Start: 170 @42513 has 11 MA's), (185, 42462), (190, 42447), (197, 42426), (210, 42396), (218, 42366), (255, 42291),

Gene: Larva_61 Start: 41955, Stop: 42203, Start Num: 165

Candidate Starts for Larva_61:

(Start: 165 @41955 has 167 MA's), (190, 42030), (215, 42102),

Gene: LastHope_71 Start: 43062, Stop: 43310, Start Num: 165

Candidate Starts for LastHope_71:

(Start: 165 @43062 has 167 MA's), (195, 43152), (237, 43248), (247, 43272),

Gene: LaterM_67 Start: 44313, Stop: 44555, Start Num: 165

Candidate Starts for LaterM_67:

(Start: 165 @44313 has 167 MA's), (195, 44403), (237, 44499), (247, 44523),

Gene: LeBron_30 Start: 27716, Stop: 27985, Start Num: 160

Candidate Starts for LeBron_30:

(Start: 160 @27716 has 62 MA's), (Start: 179 @27761 has 6 MA's), (218, 27869),

Gene: LeMond_70 Start: 44281, Stop: 44508, Start Num: 165

Candidate Starts for LeMond_70:

(Start: 165 @44281 has 167 MA's), (203, 44398), (215, 44416), (237, 44452),

Gene: LeeroyJenkins_54 Start: 34043, Stop: 34282, Start Num: 165

Candidate Starts for LeeroyJenkins_54:

(Start: 165 @34043 has 167 MA's), (185, 34100), (194, 34127), (197, 34136),

Gene: Lego_33 Start: 24673, Stop: 24915, Start Num: 162

Candidate Starts for Lego_33:

(Start: 162 @24673 has 110 MA's),

Gene: Leopard_52 Start: 39719, Stop: 39474, Start Num: 153

Candidate Starts for Leopard_52:

(Start: 153 @39719 has 56 MA's), (185, 39659), (194, 39632), (210, 39593), (216, 39569), (218, 39563), (221, 39557), (236, 39533),

Gene: Lesedi_58 Start: 39515, Stop: 39249, Start Num: 120

Candidate Starts for Lesedi_58:

(Start: 120 @39515 has 109 MA's), (Start: 125 @39503 has 5 MA's), (Start: 170 @39482 has 11 MA's), (185, 39431), (190, 39416), (197, 39395), (210, 39365), (218, 39335), (255, 39260),

Gene: Leston_60 Start: 42561, Stop: 42809, Start Num: 165

Candidate Starts for Leston_60:

(Start: 165 @42561 has 167 MA's), (190, 42636), (215, 42708),

Gene: Lewan_32 Start: 28467, Stop: 28688, Start Num: 179

Candidate Starts for Lewan_32:

(Start: 160 @28422 has 62 MA's), (Start: 179 @28467 has 6 MA's), (196, 28518), (223, 28584), (255, 28656), (262, 28677),

Gene: Licorice_63 Start: 42655, Stop: 42389, Start Num: 120

Candidate Starts for Licorice_63:

(Start: 118 @42658 has 30 MA's), (Start: 120 @42655 has 109 MA's), (Start: 125 @42643 has 5 MA's), (Start: 170 @42622 has 11 MA's), (185, 42571), (190, 42556), (197, 42535), (210, 42505), (218, 42475),

Gene: Liebe_36 Start: 26803, Stop: 26994, Start Num: 182

Candidate Starts for Liebe_36:

(Start: 162 @26752 has 110 MA's), (Start: 182 @26803 has 1 MA's), (219, 26911),

Gene: Lifes_48 Start: 30666, Stop: 30905, Start Num: 165

Candidate Starts for Lifes_48:

(84, 30549), (94, 30567), (Start: 165 @30666 has 167 MA's), (185, 30723), (197, 30759),

Gene: LilBib_62 Start: 42639, Stop: 42373, Start Num: 120

Candidate Starts for LilBib_62:

(Start: 118 @42642 has 30 MA's), (Start: 120 @42639 has 109 MA's), (Start: 125 @42627 has 5 MA's), (Start: 170 @42606 has 11 MA's), (185, 42555), (190, 42540), (197, 42519), (210, 42489), (218, 42459),

Gene: LilDestine_32 Start: 28421, Stop: 28687, Start Num: 160

Candidate Starts for LilDestine_32:

(Start: 160 @28421 has 62 MA's), (173, 28445), (Start: 179 @28466 has 6 MA's), (196, 28517), (223, 28583), (255, 28655), (262, 28676),

Gene: LilPharaoh_56 Start: 40669, Stop: 40914, Start Num: 165

Candidate Starts for LilPharaoh_56:

(101, 40597), (Start: 165 @40669 has 167 MA's), (200, 40774), (215, 40816), (237, 40852),

Gene: Lilac_39 Start: 32632, Stop: 32877, Start Num: 161

Candidate Starts for Lilac_39:

(Start: 161 @32632 has 154 MA's), (184, 32689), (195, 32722), (197, 32728), (216, 32782), (222, 32794),

Gene: LilhomieP_38 Start: 32762, Stop: 33040, Start Num: 147

Candidate Starts for LilhomieP_38:

(82, 32651), (Start: 147 @32762 has 11 MA's), (Start: 162 @32780 has 110 MA's), (185, 32843), (215, 32930), (218, 32939), (222, 32948),

Gene: Lilizi_39 Start: 32840, Stop: 33085, Start Num: 161

Candidate Starts for Lilizi_39:

(Start: 161 @32840 has 154 MA's), (184, 32897), (195, 32930), (197, 32936), (216, 32990), (222, 33002),

Gene: Lillie_46 Start: 34298, Stop: 34002, Start Num: 153

Candidate Starts for Lillie_46:

(Start: 153 @34298 has 56 MA's), (169, 34280), (Start: 171 @34274 has 6 MA's), (210, 34157), (219, 34124), (222, 34118), (253, 34058), (263, 34010),

Gene: Lilpickle_36 Start: 32342, Stop: 32587, Start Num: 161

Candidate Starts for Lilpickle_36:

(Start: 161 @32342 has 154 MA's), (184, 32399), (195, 32432), (197, 32438), (216, 32492), (222, 32504),

Gene: LilyLou_9 Start: 6368, Stop: 6045, Start Num: 110

Candidate Starts for LilyLou_9:

(Start: 110 @6368 has 22 MA's), (143, 6317), (173, 6272), (Start: 179 @6254 has 6 MA's), (214, 6149), (241, 6098),

Gene: LimaBean_35 Start: 24870, Stop: 25100, Start Num: 162

Candidate Starts for LimaBean_35:

(Start: 162 @24870 has 110 MA's),

Gene: LindNT_66 Start: 44110, Stop: 44352, Start Num: 165

Candidate Starts for LindNT_66:

(Start: 165 @44110 has 167 MA's), (195, 44200), (237, 44296),

Gene: LittleE_56 Start: 43957, Stop: 44196, Start Num: 170

Candidate Starts for LittleE_56:

(Start: 170 @43957 has 11 MA's), (177, 43984), (195, 44038), (196, 44041), (218, 44098), (239, 44134),

Gene: LiyuLake_31 Start: 28737, Stop: 29003, Start Num: 160

Candidate Starts for LiyuLake_31:

(Start: 160 @28737 has 62 MA's), (Start: 170 @28749 has 11 MA's), (Start: 179 @28782 has 6 MA's), (195, 28830),

Gene: Lizalica_32 Start: 24547, Stop: 24813, Start Num: 142

Candidate Starts for Lizalica_32:

(Start: 142 @24547 has 20 MA's), (219, 24730),

Gene: Llorens_66 Start: 43622, Stop: 43864, Start Num: 165

Candidate Starts for Llorens_66:

(Start: 165 @43622 has 167 MA's), (195, 43712), (237, 43808), (247, 43832),

Gene: Loadrie_32 Start: 28454, Stop: 28720, Start Num: 160

Candidate Starts for Loadrie_32:

(Start: 160 @28454 has 62 MA's), (Start: 179 @28499 has 6 MA's), (196, 28550), (223, 28616), (255, 28688), (262, 28709),

Gene: Lockley_59 Start: 40855, Stop: 40580, Start Num: 120

Candidate Starts for Lockley_59:

(Start: 120 @40855 has 109 MA's), (Start: 125 @40843 has 5 MA's), (Start: 170 @40813 has 11 MA's), (185, 40762), (190, 40747), (197, 40726), (209, 40699), (210, 40696), (218, 40666), (255, 40591),

Gene: Lolly9_31 Start: 28548, Stop: 28814, Start Num: 160

Candidate Starts for Lolly9_31:

(Start: 160 @28548 has 62 MA's), (Start: 170 @28560 has 11 MA's), (Start: 179 @28593 has 6 MA's),

Gene: London_34 Start: 26623, Stop: 26880, Start Num: 159

Candidate Starts for London_34:

(32, 26386), (34, 26395), (Start: 159 @26623 has 12 MA's), (180, 26671), (221, 26788),

Gene: Lopton_60 Start: 42624, Stop: 42370, Start Num: 125

Candidate Starts for Lopton_60:

(Start: 117 @42636 has 6 MA's), (Start: 125 @42624 has 5 MA's), (Start: 170 @42603 has 11 MA's), (185, 42552), (190, 42537), (197, 42516), (210, 42486), (218, 42456),

Gene: Loviatar_65 Start: 27431, Stop: 27664, Start Num: 162

Candidate Starts for Loviatar_65:

(81, 27302), (83, 27305), (90, 27323), (97, 27335), (99, 27338), (105, 27347), (Start: 152 @27422 has 8 MA's), (Start: 162 @27431 has 110 MA's), (180, 27473),

Gene: Lozinak_125 Start: 71628, Stop: 71921, Start Num: 149

Candidate Starts for Lozinak_125:

(Start: 149 @71628 has 23 MA's), (Start: 176 @71676 has 2 MA's), (218, 71805),

Gene: Lucky2013_51 Start: 40948, Stop: 41187, Start Num: 170

Candidate Starts for Lucky2013_51:

(Start: 170 @40948 has 11 MA's), (177, 40975), (195, 41029), (196, 41032), (218, 41089), (239, 41125),

Gene: Lumos_31 Start: 28781, Stop: 29047, Start Num: 160

Candidate Starts for Lumos_31:

(Start: 160 @28781 has 62 MA's), (Start: 170 @28793 has 11 MA's), (Start: 179 @28826 has 6 MA's),

Gene: Lunahalos_66 Start: 43622, Stop: 43864, Start Num: 165

Candidate Starts for Lunahalos_66:

(Start: 165 @43622 has 167 MA's), (195, 43712), (237, 43808), (247, 43832),

Gene: Lupine_29 Start: 9261, Stop: 9509, Start Num: 162

Candidate Starts for Lupine_29:

(Start: 130 @9222 has 1 MA's), (Start: 162 @9261 has 110 MA's), (180, 9306), (192, 9342), (247, 9489),

Gene: Lyell_35 Start: 10250, Stop: 10504, Start Num: 162

Candidate Starts for Lyell_35:

(Start: 144 @10235 has 1 MA's), (Start: 162 @10250 has 110 MA's), (180, 10295), (197, 10346), (202, 10364), (211, 10382),

Gene: Lynlen_36 Start: 25402, Stop: 25644, Start Num: 162

Candidate Starts for Lynlen_36:

(Start: 162 @25402 has 110 MA's), (252, 25636),

Gene: MAckerman_30 Start: 27690, Stop: 27959, Start Num: 160

Candidate Starts for MAckerman_30:

(Start: 160 @27690 has 62 MA's), (Start: 179 @27735 has 6 MA's), (218, 27843),

Gene: MISSy_36 Start: 32648, Stop: 32893, Start Num: 161

Candidate Starts for MISSy_36:

(Start: 161 @32648 has 154 MA's), (184, 32705), (195, 32738), (197, 32744), (216, 32798), (222, 32810),

Gene: MPhalcon_36 Start: 32641, Stop: 32886, Start Num: 161

Candidate Starts for MPhalcon_36:

(Start: 161 @32641 has 154 MA's), (184, 32698), (195, 32731), (197, 32737), (216, 32791), (222, 32803),

Gene: MaGuCo_34 Start: 25599, Stop: 25841, Start Num: 162

Candidate Starts for MaGuCo_34:

(Start: 162 @25599 has 110 MA's), (Start: 182 @25650 has 1 MA's), (219, 25758),

Gene: Mabodamaca_42 Start: 28268, Stop: 28534, Start Num: 149

Candidate Starts for Mabodamaca_42:

(Start: 149 @28268 has 23 MA's), (180, 28322), (216, 28436),

Gene: MacnCheese_70 Start: 44725, Stop: 44967, Start Num: 165

Candidate Starts for MacnCheese_70:

(Start: 165 @44725 has 167 MA's), (Start: 176 @44758 has 2 MA's), (195, 44815), (219, 44887), (237, 44911),

Gene: MadamMonkfish_37 Start: 32553, Stop: 32798, Start Num: 161

Candidate Starts for MadamMonkfish_37:

(Start: 161 @32553 has 154 MA's), (184, 32610), (195, 32643), (197, 32649), (216, 32703), (222, 32715),

Gene: Magnar_60 Start: 41031, Stop: 40774, Start Num: 128

Candidate Starts for Magnar_60:

(Start: 128 @41031 has 10 MA's), (Start: 167 @41013 has 4 MA's), (Start: 170 @41007 has 11 MA's), (185, 40956), (190, 40941), (197, 40920), (210, 40890), (218, 40860), (255, 40785),

Gene: Magnito_60 Start: 40895, Stop: 40638, Start Num: 128

Candidate Starts for Magnito_60:

(Start: 128 @40895 has 10 MA's), (Start: 167 @40877 has 4 MA's), (Start: 170 @40871 has 11 MA's), (185, 40820), (190, 40805), (197, 40784), (203, 40763), (210, 40754), (218, 40724),

Gene: Magsby_50 Start: 34922, Stop: 35170, Start Num: 154

Candidate Starts for Magsby_50:

(17, 34508), (48, 34715), (59, 34748), (102, 34844), (Start: 154 @34922 has 32 MA's), (Start: 167 @34934 has 4 MA's), (Start: 170 @34940 has 11 MA's), (195, 35018), (218, 35084), (219, 35087),

Gene: Makemake_64 Start: 42602, Stop: 42336, Start Num: 117

Candidate Starts for Makemake_64:

(Start: 117 @42602 has 6 MA's), (Start: 125 @42590 has 5 MA's), (Start: 170 @42569 has 11 MA's), (185, 42518), (190, 42503), (197, 42482), (210, 42452), (218, 42422), (255, 42347),

Gene: Malthus_71 Start: 43370, Stop: 43633, Start Num: 153

Candidate Starts for Malthus_71:

(Start: 153 @43370 has 56 MA's), (Start: 167 @43385 has 4 MA's), (195, 43472), (236, 43568), (256, 43622),

Gene: Manatee_62 Start: 40921, Stop: 40652, Start Num: 118

Candidate Starts for Manatee_62:

(Start: 118 @40921 has 30 MA's), (Start: 120 @40918 has 109 MA's), (Start: 125 @40906 has 5 MA's), (Start: 167 @40891 has 4 MA's), (Start: 170 @40885 has 11 MA's), (185, 40834), (190, 40819), (197, 40798), (210, 40768), (218, 40738),

Gene: Manda_38 Start: 33620, Stop: 33865, Start Num: 161

Candidate Starts for Manda_38:

(Start: 161 @33620 has 154 MA's), (184, 33677), (195, 33710), (197, 33716), (216, 33770), (222, 33782),

Gene: Marcell_58 Start: 39784, Stop: 39509, Start Num: 120

Candidate Starts for Marcell_58:

(107, 39808), (Start: 118 @39787 has 30 MA's), (Start: 120 @39784 has 109 MA's), (Start: 125 @39772 has 5 MA's), (Start: 170 @39742 has 11 MA's), (185, 39691), (190, 39676), (197, 39655), (210, 39625), (218, 39595),

Gene: Marchy_56 Start: 37872, Stop: 37597, Start Num: 120

Candidate Starts for Marchy_56:

(Start: 118 @37875 has 30 MA's), (Start: 120 @37872 has 109 MA's), (Start: 125 @37860 has 5 MA's), (Start: 170 @37830 has 11 MA's), (185, 37779), (190, 37764), (197, 37743), (203, 37722), (210, 37713), (218, 37683),

Gene: Marcoliusprime_69 Start: 46092, Stop: 46337, Start Num: 165

Candidate Starts for Marcoliusprime_69:

(104, 46035), (108, 46041), (Start: 165 @46092 has 167 MA's), (195, 46182), (210, 46218), (219, 46251),

Gene: MargaretKali_53 Start: 31679, Stop: 31957, Start Num: 159

Candidate Starts for MargaretKali_53:

(Start: 159 @31679 has 12 MA's), (180, 31727), (214, 31841),

Gene: Marge_59 Start: 40664, Stop: 40398, Start Num: 120

Candidate Starts for Marge_59:

(Start: 118 @40667 has 30 MA's), (Start: 120 @40664 has 109 MA's), (Start: 125 @40652 has 5 MA's), (Start: 170 @40631 has 11 MA's), (185, 40580), (190, 40565), (197, 40544), (210, 40514), (218, 40484),

Gene: MarkPhew_69 Start: 43780, Stop: 44007, Start Num: 165

Candidate Starts for MarkPhew_69:

(Start: 165 @43780 has 167 MA's), (203, 43897), (214, 43912), (215, 43915), (237, 43951),

Gene: Maroc7_59 Start: 41311, Stop: 41042, Start Num: 118

Candidate Starts for Maroc7_59:

(107, 41332), (Start: 118 @41311 has 30 MA's), (Start: 120 @41308 has 109 MA's), (Start: 125 @41296 has 5 MA's), (Start: 170 @41275 has 11 MA's), (185, 41224), (190, 41209), (197, 41188), (210, 41158), (218, 41128),

Gene: Marsha_61 Start: 42250, Stop: 41984, Start Num: 120

Candidate Starts for Marsha_61:

(Start: 118 @42253 has 30 MA's), (Start: 120 @42250 has 109 MA's), (Start: 170 @42217 has 11 MA's), (185, 42166), (190, 42151), (197, 42130), (203, 42109), (210, 42100), (218, 42070),

Gene: Marshawn_66 Start: 44145, Stop: 44384, Start Num: 165

Candidate Starts for Marshawn_66:

(Start: 165 @44145 has 167 MA's), (195, 44235),

Gene: Marshmallow_37 Start: 33133, Stop: 33378, Start Num: 161

Candidate Starts for Marshmallow_37:

(Start: 161 @33133 has 154 MA's), (184, 33190), (195, 33223), (197, 33229), (216, 33283), (222, 33295),

Gene: MaryBeth_60 Start: 41488, Stop: 41222, Start Num: 120

Candidate Starts for MaryBeth_60:

(Start: 118 @41491 has 30 MA's), (Start: 120 @41488 has 109 MA's), (Start: 125 @41476 has 5 MA's), (Start: 170 @41455 has 11 MA's), (185, 41404), (190, 41389), (197, 41368), (210, 41338), (218, 41308), (255, 41233),

Gene: MaryV_53 Start: 39346, Stop: 39594, Start Num: 161

Candidate Starts for MaryV_53:

(Start: 161 @39346 has 154 MA's), (191, 39427), (210, 39475), (219, 39508), (221, 39511), (222, 39514), (240, 39547), (250, 39583),

Gene: Maureen_36 Start: 26752, Stop: 26994, Start Num: 162

Candidate Starts for Maureen_36:

(Start: 162 @26752 has 110 MA's), (Start: 182 @26803 has 1 MA's), (219, 26911),

Gene: Maxxinista_38 Start: 32602, Stop: 32847, Start Num: 161

Candidate Starts for Maxxinista_38:

(Start: 161 @32602 has 154 MA's), (184, 32659), (195, 32692), (197, 32698), (216, 32752), (222, 32764),

Gene: Mazun_9 Start: 6131, Stop: 5775, Start Num: 112

Candidate Starts for Mazun_9:

(Start: 112 @6131 has 19 MA's), (134, 6092), (146, 6077), (192, 5981), (235, 5864), (246, 5825),

Gene: Mbo4_60 Start: 42893, Stop: 43174, Start Num: 159

Candidate Starts for Mbo4_60:

(6, 42125), (Start: 159 @42893 has 12 MA's), (Start: 176 @42926 has 2 MA's),

Gene: McMater_69 Start: 44123, Stop: 44362, Start Num: 165

Candidate Starts for McMater_69:

(Start: 165 @44123 has 167 MA's), (195, 44213), (210, 44249), (214, 44267), (247, 44330),

Gene: Mdavu_56 Start: 40930, Stop: 41175, Start Num: 165

Candidate Starts for Mdavu_56:

(101, 40858), (Start: 165 @40930 has 167 MA's), (200, 41035), (215, 41077), (237, 41113),

Gene: MeaningOfLife_67 Start: 44374, Stop: 44616, Start Num: 165

Candidate Starts for MeaningOfLife_67:

(Start: 165 @44374 has 167 MA's), (195, 44464), (237, 44560), (247, 44584),

Gene: Megsy_69 Start: 44032, Stop: 44277, Start Num: 165

Candidate Starts for Megsy_69:

(Start: 165 @44032 has 167 MA's), (195, 44122), (237, 44218), (258, 44269),

Gene: Melville_53 Start: 34906, Stop: 35154, Start Num: 154

Candidate Starts for Melville_53:

(17, 34492), (48, 34699), (59, 34732), (102, 34828), (Start: 154 @34906 has 32 MA's), (Start: 167 @34918 has 4 MA's), (Start: 170 @34924 has 11 MA's), (195, 35002), (218, 35068), (219, 35071),

Gene: MetalQZJ_59 Start: 41488, Stop: 41222, Start Num: 120

Candidate Starts for MetalQZJ_59:

(Start: 118 @41491 has 30 MA's), (Start: 120 @41488 has 109 MA's), (Start: 125 @41476 has 5 MA's), (Start: 170 @41455 has 11 MA's), (185, 41404), (190, 41389), (197, 41368), (210, 41338), (218, 41308), (255, 41233),

Gene: MiaZeal_51 Start: 40623, Stop: 40862, Start Num: 170

Candidate Starts for MiaZeal_51:

(Start: 170 @40623 has 11 MA's), (177, 40650), (195, 40704), (196, 40707), (218, 40764), (239, 40800),

Gene: Michley_65 Start: 41769, Stop: 41494, Start Num: 120

Candidate Starts for Michley_65:

(Start: 120 @41769 has 109 MA's), (Start: 125 @41757 has 5 MA's), (185, 41676), (190, 41661), (197, 41640), (210, 41610), (218, 41580), (255, 41505),

Gene: Miley16_32 Start: 28422, Stop: 28688, Start Num: 160

Candidate Starts for Miley16_32:

(Start: 160 @28422 has 62 MA's), (Start: 179 @28467 has 6 MA's), (196, 28518), (223, 28584), (255, 28656), (262, 28677),

Gene: Milly_69 Start: 46066, Stop: 46311, Start Num: 165

Candidate Starts for Milly_69:

(101, 46003), (Start: 165 @46066 has 167 MA's), (195, 46156), (219, 46225),

Gene: Mimi_114 Start: 86487, Stop: 86735, Start Num: 159

Candidate Starts for Mimi_114:

(Start: 159 @86487 has 12 MA's), (Start: 165 @86493 has 167 MA's), (Start: 170 @86499 has 11 MA's),

Gene: Mindy_37 Start: 32913, Stop: 33158, Start Num: 161

Candidate Starts for Mindy_37:

(Start: 161 @32913 has 154 MA's), (184, 32970), (195, 33003), (197, 33009), (214, 33057), (216, 33063), (222, 33075),

Gene: Minerva_58 Start: 45548, Stop: 45796, Start Num: 161

Candidate Starts for Minerva_58:

(Start: 161 @45548 has 154 MA's), (212, 45680),

Gene: MiniLon_31 Start: 28548, Stop: 28814, Start Num: 160

Candidate Starts for MiniLon_31:

(Start: 160 @28548 has 62 MA's), (Start: 170 @28560 has 11 MA's), (Start: 179 @28593 has 6 MA's),

Gene: MiniMac_31 Start: 28549, Stop: 28815, Start Num: 160

Candidate Starts for MiniMac_31:

(Start: 160 @28549 has 62 MA's), (Start: 170 @28561 has 11 MA's), (Start: 179 @28594 has 6 MA's),

Gene: MiniMommy_41 Start: 26464, Stop: 26751, Start Num: 153

Candidate Starts for MiniMommy_41:

(Start: 153 @26464 has 56 MA's), (221, 26656),

Gene: Miniwave_37 Start: 33332, Stop: 33577, Start Num: 161

Candidate Starts for Miniwave_37:

(Start: 161 @33332 has 154 MA's), (184, 33389), (195, 33422), (197, 33428), (216, 33482), (222, 33494),

Gene: Miryou_64 Start: 45175, Stop: 45423, Start Num: 165

Candidate Starts for Miryou_64:

(Start: 165 @45175 has 167 MA's), (186, 45238),

Gene: Misfit_37 Start: 33222, Stop: 33467, Start Num: 161

Candidate Starts for Misfit_37:

(Start: 161 @33222 has 154 MA's), (184, 33279), (195, 33312), (197, 33318), (216, 33372), (222, 33384),

Gene: Miskis_124 Start: 71060, Stop: 71353, Start Num: 149

Candidate Starts for Miskis_124:

(Start: 149 @71060 has 23 MA's), (Start: 176 @71108 has 2 MA's), (218, 71237),

Gene: MissAmericana_7 Start: 5312, Stop: 5025, Start Num: 159

Candidate Starts for MissAmericana_7:

(Start: 159 @5312 has 12 MA's), (212, 5159), (247, 5072),

Gene: MissDaisy_67 Start: 42299, Stop: 42547, Start Num: 167

Candidate Starts for MissDaisy_67:

(55, 42101), (Start: 153 @42284 has 56 MA's), (Start: 167 @42299 has 4 MA's), (195, 42386), (236, 42482), (256, 42536),

Gene: MissSwiss_32 Start: 23153, Stop: 23398, Start Num: 162

Candidate Starts for MissSwiss_32:

(Start: 162 @23153 has 110 MA's), (180, 23198), (219, 23312),

Gene: Mitti_70 Start: 43525, Stop: 43788, Start Num: 153

Candidate Starts for Mitti_70:

(Start: 153 @43525 has 56 MA's), (Start: 167 @43540 has 4 MA's), (195, 43627), (236, 43723), (256, 43777),

Gene: MkaliMitinis3_32 Start: 28422, Stop: 28688, Start Num: 160

Candidate Starts for MkaliMitinis3_32:

(Start: 160 @28422 has 62 MA's), (Start: 179 @28467 has 6 MA's), (196, 28518), (223, 28584), (255, 28656), (262, 28677),

Gene: Mkhuseli_58 Start: 39493, Stop: 39260, Start Num: 170

Candidate Starts for Mkhuseli_58:

(Start: 118 @39529 has 30 MA's), (Start: 120 @39526 has 109 MA's), (Start: 125 @39514 has 5 MA's), (Start: 170 @39493 has 11 MA's), (185, 39442), (190, 39427), (197, 39406), (210, 39376), (218, 39346),

Gene: Moldemort_38 Start: 32877, Stop: 33122, Start Num: 161

Candidate Starts for Moldemort_38:

(Start: 161 @32877 has 154 MA's), (184, 32934), (195, 32967), (197, 32973), (216, 33027), (222, 33039),

Gene: Moleficient_9 Start: 6125, Stop: 5769, Start Num: 112

Candidate Starts for Moleficient_9:

(Start: 112 @6125 has 19 MA's), (134, 6086), (146, 6071), (192, 5975), (229, 5867), (235, 5858), (246, 5819),

Gene: Mollymur_85 Start: 58104, Stop: 57838, Start Num: 149

Candidate Starts for Mollymur_85:

(Start: 149 @58104 has 23 MA's), (214, 57939), (219, 57924), (244, 57873),

Gene: Monet_65 Start: 43052, Stop: 42786, Start Num: 120

Candidate Starts for Monet_65:

(Start: 118 @43055 has 30 MA's), (Start: 120 @43052 has 109 MA's), (Start: 125 @43040 has 5 MA's), (Start: 170 @43019 has 11 MA's), (185, 42968), (190, 42953), (197, 42932), (203, 42911), (210, 42902), (218, 42872),

Gene: MontyDev_40 Start: 36039, Stop: 36284, Start Num: 157

Candidate Starts for MontyDev_40:

(124, 35997), (Start: 157 @36039 has 9 MA's), (172, 36060), (Start: 176 @36081 has 2 MA's), (184, 36105), (185, 36108), (228, 36207), (230, 36210), (232, 36213), (251, 36264),

Gene: Moostard_31 Start: 28832, Stop: 29053, Start Num: 179

Candidate Starts for Moostard_31:

(Start: 160 @28787 has 62 MA's), (Start: 170 @28799 has 11 MA's), (Start: 179 @28832 has 6 MA's),

Gene: Morrill_9 Start: 6080, Stop: 5724, Start Num: 112

Candidate Starts for Morrill_9:

(Start: 112 @6080 has 19 MA's), (134, 6041), (146, 6026), (235, 5813), (246, 5774),

Gene: Mosby_36 Start: 32639, Stop: 32884, Start Num: 161

Candidate Starts for Mosby_36:

(Start: 161 @32639 has 154 MA's), (184, 32696), (195, 32729), (197, 32735), (214, 32783), (216, 32789), (222, 32801),

Gene: Moss_36 Start: 22585, Stop: 22851, Start Num: 149

Candidate Starts for Moss_36:

(Start: 149 @22585 has 23 MA's), (Start: 165 @22600 has 167 MA's), (187, 22663), (226, 22783),

Gene: MrGordo_64 Start: 41635, Stop: 41360, Start Num: 120

Candidate Starts for MrGordo_64:

(Start: 118 @41638 has 30 MA's), (Start: 120 @41635 has 109 MA's), (Start: 125 @41623 has 5 MA's), (Start: 170 @41593 has 11 MA's), (185, 41542), (190, 41527), (197, 41506), (210, 41476), (218, 41446), (255, 41371),

Gene: MrMagoo_44 Start: 33882, Stop: 34133, Start Num: 162

Candidate Starts for MrMagoo_44:

(Start: 162 @33882 has 110 MA's), (213, 34026), (214, 34029), (219, 34044), (250, 34098),

Gene: Mryolo_58 Start: 40629, Stop: 40372, Start Num: 128

Candidate Starts for Mryolo_58:

(Start: 128 @40629 has 10 MA's), (Start: 167 @40611 has 4 MA's), (Start: 170 @40605 has 11 MA's), (185, 40554), (190, 40539), (197, 40518), (210, 40488), (218, 40458),

Gene: MsGreen_31 Start: 28784, Stop: 29050, Start Num: 160

Candidate Starts for MsGreen_31:

(Start: 160 @28784 has 62 MA's), (Start: 170 @28796 has 11 MA's), (Start: 179 @28829 has 6 MA's),

Gene: Mudpuppy_32 Start: 24535, Stop: 24777, Start Num: 162
Candidate Starts for Mudpuppy_32:
(32, 24277), (41, 24313), (Start: 162 @24535 has 110 MA's), (219, 24694),

Gene: Mufasa_69 Start: 45652, Stop: 45897, Start Num: 165
Candidate Starts for Mufasa_69:
(104, 45595), (108, 45601), (Start: 165 @45652 has 167 MA's), (195, 45742), (219, 45811), (237, 45835), (259, 45889),

Gene: Mule_59 Start: 40467, Stop: 40201, Start Num: 120
Candidate Starts for Mule_59:
(Start: 118 @40470 has 30 MA's), (Start: 120 @40467 has 109 MA's), (Start: 125 @40455 has 5 MA's), (Start: 170 @40434 has 11 MA's), (185, 40383), (190, 40368), (197, 40347), (210, 40317), (218, 40287),

Gene: Murica_36 Start: 33119, Stop: 33364, Start Num: 161
Candidate Starts for Murica_36:
(Start: 161 @33119 has 154 MA's), (184, 33176), (195, 33209), (197, 33215), (216, 33269), (222, 33281),

Gene: Murphy_38 Start: 33114, Stop: 33359, Start Num: 161
Candidate Starts for Murphy_38:
(Start: 161 @33114 has 154 MA's), (184, 33171), (195, 33204), (197, 33210), (216, 33264), (222, 33276),

Gene: Murucutumbu_68 Start: 44888, Stop: 45130, Start Num: 165
Candidate Starts for Murucutumbu_68:
(Start: 165 @44888 has 167 MA's), (195, 44978), (237, 45074), (247, 45098),

Gene: Musetta_35 Start: 10358, Stop: 10612, Start Num: 162
Candidate Starts for Musetta_35:
(Start: 144 @10343 has 1 MA's), (Start: 162 @10358 has 110 MA's), (180, 10403), (222, 10526),

Gene: Mynx_68 Start: 44234, Stop: 44476, Start Num: 165
Candidate Starts for Mynx_68:
(Start: 165 @44234 has 167 MA's), (195, 44324), (237, 44420), (247, 44444),

Gene: Myrale_37 Start: 32998, Stop: 33243, Start Num: 161
Candidate Starts for Myrale_37:
(Start: 161 @32998 has 154 MA's), (184, 33055), (195, 33088), (197, 33094), (216, 33148), (222, 33160),

Gene: Myrna_77 Start: 30774, Stop: 31019, Start Num: 115
Candidate Starts for Myrna_77:
(Start: 115 @30774 has 2 MA's), (185, 30900),

Gene: Mysterium_31 Start: 22590, Stop: 22856, Start Num: 149
Candidate Starts for Mysterium_31:
(Start: 149 @22590 has 23 MA's), (Start: 165 @22605 has 167 MA's), (187, 22668), (226, 22788),

Gene: NEHalo_59 Start: 41047, Stop: 40781, Start Num: 120
Candidate Starts for NEHalo_59:

(Start: 118 @41050 has 30 MA's), (Start: 120 @41047 has 109 MA's), (Start: 125 @41035 has 5 MA's), (Start: 170 @41014 has 11 MA's), (185, 40963), (190, 40948), (197, 40927), (210, 40897), (218, 40867), (255, 40792),

Gene: Naiad_45 Start: 34311, Stop: 34015, Start Num: 153

Candidate Starts for Naiad_45:

(Start: 153 @34311 has 56 MA's), (169, 34293), (Start: 171 @34287 has 6 MA's), (210, 34170), (219, 34137), (222, 34131), (253, 34071), (263, 34023),

Gene: Naira_64 Start: 42709, Stop: 42434, Start Num: 120

Candidate Starts for Naira_64:

(Start: 120 @42709 has 109 MA's), (Start: 125 @42697 has 5 MA's), (Start: 170 @42667 has 11 MA's), (185, 42616), (190, 42601), (197, 42580), (203, 42559), (210, 42550), (218, 42520), (255, 42445),

Gene: Nala_37 Start: 33153, Stop: 33398, Start Num: 161

Candidate Starts for Nala_37:

(Start: 161 @33153 has 154 MA's), (184, 33210), (195, 33243), (197, 33249), (216, 33303), (222, 33315),

Gene: Nancinator_46 Start: 34231, Stop: 33935, Start Num: 153

Candidate Starts for Nancinator_46:

(Start: 153 @34231 has 56 MA's), (169, 34213), (Start: 171 @34207 has 6 MA's), (210, 34090), (219, 34057), (222, 34051), (253, 33991), (263, 33943),

Gene: Nanosmite_44 Start: 33715, Stop: 33966, Start Num: 162

Candidate Starts for Nanosmite_44:

(Start: 162 @33715 has 110 MA's), (185, 33778), (195, 33808), (213, 33859),

Gene: Natosaleda_45 Start: 34230, Stop: 33934, Start Num: 153

Candidate Starts for Natosaleda_45:

(Start: 153 @34230 has 56 MA's), (169, 34212), (Start: 171 @34206 has 6 MA's), (210, 34089), (219, 34056), (222, 34050), (253, 33990), (263, 33942),

Gene: Necrophoxinus_37 Start: 10946, Stop: 11200, Start Num: 162

Candidate Starts for Necrophoxinus_37:

(Start: 144 @10931 has 1 MA's), (Start: 162 @10946 has 110 MA's), (180, 10991), (197, 11042), (202, 11060), (211, 11078),

Gene: NelitzaMV_37 Start: 33203, Stop: 33448, Start Num: 161

Candidate Starts for NelitzaMV_37:

(Start: 161 @33203 has 154 MA's), (184, 33260), (195, 33293), (197, 33299), (216, 33353), (222, 33365),

Gene: Nenae_55 Start: 36175, Stop: 36423, Start Num: 154

Candidate Starts for Nenae_55:

(Start: 154 @36175 has 32 MA's), (Start: 167 @36187 has 4 MA's), (218, 36337), (219, 36340), (255, 36415),

Gene: Nerujay_64 Start: 42393, Stop: 42118, Start Num: 120

Candidate Starts for Nerujay_64:

(Start: 118 @42396 has 30 MA's), (Start: 120 @42393 has 109 MA's), (Start: 125 @42381 has 5 MA's), (Start: 170 @42351 has 11 MA's), (185, 42300), (190, 42285), (197, 42264), (210, 42234),

(218, 42204),

Gene: Netyap_32 Start: 28422, Stop: 28688, Start Num: 160

Candidate Starts for Netyap_32:

(Start: 160 @28422 has 62 MA's), (Start: 179 @28467 has 6 MA's), (196, 28518), (223, 28584), (255, 28656), (262, 28677),

Gene: Nibb_69 Start: 43994, Stop: 44221, Start Num: 165

Candidate Starts for Nibb_69:

(Start: 165 @43994 has 167 MA's), (215, 44129), (237, 44165),

Gene: Nicholas_31 Start: 28784, Stop: 29050, Start Num: 160

Candidate Starts for Nicholas_31:

(Start: 160 @28784 has 62 MA's), (Start: 170 @28796 has 11 MA's), (Start: 179 @28829 has 6 MA's),

Gene: Nicholasp3_32 Start: 28424, Stop: 28690, Start Num: 160

Candidate Starts for Nicholasp3_32:

(Start: 160 @28424 has 62 MA's), (Start: 179 @28469 has 6 MA's), (196, 28520), (223, 28586), (255, 28658), (262, 28679),

Gene: Nicky22_37 Start: 25941, Stop: 26183, Start Num: 162

Candidate Starts for Nicky22_37:

(Start: 162 @25941 has 110 MA's), (252, 26175),

Gene: NihilNomen_51 Start: 44218, Stop: 44466, Start Num: 161

Candidate Starts for NihilNomen_51:

(Start: 161 @44218 has 154 MA's), (212, 44350),

Gene: Nikao_58 Start: 43554, Stop: 43799, Start Num: 165

Candidate Starts for Nikao_58:

(101, 43482), (Start: 165 @43554 has 167 MA's), (200, 43659), (215, 43701), (237, 43737),

Gene: Niklas_69 Start: 44184, Stop: 44423, Start Num: 165

Candidate Starts for Niklas_69:

(Start: 165 @44184 has 167 MA's), (195, 44274), (210, 44310), (214, 44328), (247, 44391),

Gene: Nilo_41 Start: 36395, Stop: 36640, Start Num: 157

Candidate Starts for Nilo_41:

(124, 36353), (Start: 157 @36395 has 9 MA's), (172, 36416), (Start: 176 @36437 has 2 MA's), (185, 36464), (228, 36563), (230, 36566), (232, 36569), (251, 36620),

Gene: Nimrod_37 Start: 33377, Stop: 33622, Start Num: 161

Candidate Starts for Nimrod_37:

(Start: 161 @33377 has 154 MA's), (184, 33434), (195, 33467), (197, 33473), (216, 33527), (222, 33539),

Gene: Niobe_34 Start: 26608, Stop: 26865, Start Num: 159

Candidate Starts for Niobe_34:

(32, 26371), (34, 26380), (Start: 159 @26608 has 12 MA's), (180, 26656), (221, 26773),

Gene: Nitro_33 Start: 25923, Stop: 26186, Start Num: 142

Candidate Starts for Nitro_33:

(Start: 142 @25923 has 20 MA's), (219, 26103),

Gene: Niza_64 Start: 43063, Stop: 42797, Start Num: 120

Candidate Starts for Niza_64:

(Start: 118 @43066 has 30 MA's), (Start: 120 @43063 has 109 MA's), (Start: 125 @43051 has 5 MA's), (Start: 170 @43030 has 11 MA's), (185, 42979), (190, 42964), (197, 42943), (210, 42913), (218, 42883), (255, 42808),

Gene: NoSleep_38 Start: 32874, Stop: 33119, Start Num: 161

Candidate Starts for NoSleep_38:

(Start: 161 @32874 has 154 MA's), (184, 32931), (195, 32964), (197, 32970), (216, 33024), (222, 33036),

Gene: Norvs_124 Start: 71047, Stop: 71340, Start Num: 149

Candidate Starts for Norvs_124:

(Start: 149 @71047 has 23 MA's), (Start: 176 @71095 has 2 MA's), (218, 71224),

Gene: Norz_62 Start: 43480, Stop: 43214, Start Num: 120

Candidate Starts for Norz_62:

(Start: 118 @43483 has 30 MA's), (Start: 120 @43480 has 109 MA's), (Start: 125 @43468 has 5 MA's), (Start: 170 @43447 has 11 MA's), (185, 43396), (190, 43381), (197, 43360), (210, 43330), (218, 43300),

Gene: Nutello_55 Start: 40941, Stop: 41186, Start Num: 165

Candidate Starts for Nutello_55:

(101, 40869), (Start: 165 @40941 has 167 MA's), (200, 41046), (215, 41088), (237, 41124),

Gene: Oatly_9 Start: 6310, Stop: 5987, Start Num: 110

Candidate Starts for Oatly_9:

(40, 6478), (46, 6460), (54, 6427), (Start: 110 @6310 has 22 MA's), (143, 6259), (Start: 154 @6244 has 32 MA's), (Start: 179 @6196 has 6 MA's), (215, 6088), (241, 6040), (246, 6022),

Gene: ObiToo_36 Start: 25276, Stop: 25518, Start Num: 162

Candidate Starts for ObiToo_36:

(32, 25018), (41, 25054), (Start: 162 @25276 has 110 MA's),

Gene: Odette_52 Start: 43439, Stop: 43684, Start Num: 161

Candidate Starts for Odette_52:

(Start: 161 @43439 has 154 MA's), (185, 43502), (195, 43532), (196, 43535), (219, 43595), (222, 43598), (223, 43601),

Gene: OhShagHennessy_30 Start: 27655, Stop: 27924, Start Num: 160

Candidate Starts for OhShagHennessy_30:

(Start: 160 @27655 has 62 MA's), (Start: 179 @27700 has 6 MA's), (218, 27808),

Gene: Ohno789_62 Start: 41791, Stop: 41525, Start Num: 120

Candidate Starts for Ohno789_62:

(Start: 120 @41791 has 109 MA's), (Start: 125 @41779 has 5 MA's), (Start: 167 @41764 has 4 MA's), (Start: 170 @41758 has 11 MA's), (185, 41707), (190, 41692), (197, 41671), (210, 41641), (218, 41611), (255, 41536),

Gene: OkiRoe_61 Start: 42847, Stop: 43095, Start Num: 165

Candidate Starts for OkiRoe_61:

(Start: 165 @42847 has 167 MA's), (186, 42910),

Gene: OlinDD_28 Start: 9180, Stop: 9434, Start Num: 162
Candidate Starts for OlinDD_28:
(123, 9132), (148, 9165), (Start: 162 @9180 has 110 MA's), (180, 9225), (192, 9261), (222, 9348),

Gene: Olliecat_34 Start: 24245, Stop: 24484, Start Num: 162
Candidate Starts for Olliecat_34:
(10, 23624), (27, 23930), (Start: 162 @24245 has 110 MA's),

Gene: Omega_56 Start: 45262, Stop: 45501, Start Num: 170
Candidate Starts for Omega_56:
(Start: 170 @45262 has 11 MA's), (177, 45289), (195, 45343), (196, 45346), (218, 45403), (239, 45439),

Gene: Omnicron_64 Start: 42953, Stop: 43201, Start Num: 165
Candidate Starts for Omnicron_64:
(Start: 165 @42953 has 167 MA's), (180, 42998),

Gene: OneUp_110 Start: 69312, Stop: 69614, Start Num: 141
Candidate Starts for OneUp_110:
(Start: 141 @69312 has 2 MA's), (Start: 151 @69324 has 6 MA's), (216, 69492),

Gene: Onyinye_53 Start: 39601, Stop: 39356, Start Num: 153
Candidate Starts for Onyinye_53:
(Start: 153 @39601 has 56 MA's), (185, 39541), (194, 39514), (210, 39475), (216, 39451), (218, 39445), (221, 39439), (236, 39415),

Gene: Oogway_61 Start: 42078, Stop: 41827, Start Num: 155
Candidate Starts for Oogway_61:
(Start: 118 @42126 has 30 MA's), (Start: 120 @42123 has 109 MA's), (Start: 125 @42111 has 5 MA's), (Start: 155 @42078 has 2 MA's), (Start: 170 @42060 has 11 MA's), (185, 42009), (190, 41994), (197, 41973), (210, 41943), (218, 41913), (255, 41838),

Gene: Optimus_57 Start: 45133, Stop: 45381, Start Num: 161
Candidate Starts for Optimus_57:
(Start: 161 @45133 has 154 MA's), (212, 45265),

Gene: OrionPax_38 Start: 32880, Stop: 33125, Start Num: 161
Candidate Starts for OrionPax_38:
(Start: 161 @32880 has 154 MA's), (184, 32937), (195, 32970), (197, 32976), (216, 33030), (222, 33042),

Gene: Oscar_70 Start: 44198, Stop: 44425, Start Num: 165
Candidate Starts for Oscar_70:
(Start: 165 @44198 has 167 MA's), (203, 44315), (215, 44333),

Gene: PSullivan_60 Start: 39680, Stop: 39405, Start Num: 120
Candidate Starts for PSullivan_60:
(Start: 118 @39683 has 30 MA's), (Start: 120 @39680 has 109 MA's), (Start: 125 @39668 has 5 MA's), (Start: 170 @39638 has 11 MA's), (185, 39587), (190, 39572), (197, 39551), (210, 39521), (218, 39491),

Gene: PYPDinur_30 Start: 27624, Stop: 27842, Start Num: 179

Candidate Starts for PYPDinur_30:

(Start: 160 @27579 has 62 MA's), (Start: 179 @27624 has 6 MA's), (222, 27738),

Gene: Pabst_9 Start: 6171, Stop: 5848, Start Num: 110

Candidate Starts for Pabst_9:

(83, 6219), (Start: 110 @6171 has 22 MA's), (134, 6132), (143, 6120), (215, 5949), (234, 5916), (246, 5883), (255, 5865),

Gene: Padfoot_66 Start: 43819, Stop: 44061, Start Num: 165

Candidate Starts for Padfoot_66:

(Start: 165 @43819 has 167 MA's), (195, 43909), (237, 44005), (247, 44029),

Gene: Padpat_69 Start: 43939, Stop: 44181, Start Num: 165

Candidate Starts for Padpat_69:

(Start: 165 @43939 has 167 MA's), (195, 44029), (237, 44125), (247, 44149),

Gene: Palpatine_37 Start: 33149, Stop: 33394, Start Num: 161

Candidate Starts for Palpatine_37:

(Start: 161 @33149 has 154 MA's), (184, 33206), (195, 33239), (197, 33245), (216, 33299), (222, 33311),

Gene: Panchino_48 Start: 35810, Stop: 36058, Start Num: 154

Candidate Starts for Panchino_48:

(59, 35636), (102, 35732), (Start: 154 @35810 has 32 MA's), (Start: 167 @35822 has 4 MA's), (195, 35906), (218, 35972), (219, 35975),

Gene: Paola_60 Start: 42432, Stop: 42680, Start Num: 165

Candidate Starts for Paola_60:

(Start: 165 @42432 has 167 MA's), (190, 42507), (215, 42579),

Gene: Paperbeatsrock_39 Start: 34115, Stop: 34360, Start Num: 161

Candidate Starts for Paperbeatsrock_39:

(Start: 161 @34115 has 154 MA's), (184, 34172), (195, 34205), (197, 34211), (216, 34265), (222, 34277),

Gene: Papez_64 Start: 42624, Stop: 42355, Start Num: 118

Candidate Starts for Papez_64:

(Start: 118 @42624 has 30 MA's), (Start: 120 @42621 has 109 MA's), (Start: 125 @42609 has 5 MA's), (Start: 170 @42588 has 11 MA's), (185, 42537), (190, 42522), (197, 42501), (210, 42471), (218, 42441),

Gene: Papyrus_40 Start: 36054, Stop: 36299, Start Num: 157

Candidate Starts for Papyrus_40:

(124, 36012), (Start: 157 @36054 has 9 MA's), (172, 36075), (Start: 176 @36096 has 2 MA's), (184, 36120), (185, 36123), (228, 36222), (230, 36225), (232, 36228),

Gene: Paraselene_60 Start: 41399, Stop: 41133, Start Num: 120

Candidate Starts for Paraselene_60:

(Start: 118 @41402 has 30 MA's), (Start: 120 @41399 has 109 MA's), (Start: 125 @41387 has 5 MA's), (Start: 170 @41366 has 11 MA's), (185, 41315), (190, 41300), (197, 41279), (210, 41249), (218, 41219), (255, 41144),

Gene: Pari_65 Start: 40809, Stop: 40543, Start Num: 120

Candidate Starts for Pari_65:

(Start: 118 @40812 has 30 MA's), (Start: 120 @40809 has 109 MA's), (Start: 125 @40797 has 5 MA's), (Start: 141 @40782 has 2 MA's), (Start: 170 @40776 has 11 MA's), (185, 40725), (190, 40710), (197, 40689), (210, 40659), (218, 40629), (255, 40554),

Gene: Parmesanjohn_50 Start: 34925, Stop: 35173, Start Num: 154

Candidate Starts for Parmesanjohn_50:

(17, 34511), (48, 34718), (59, 34751), (102, 34847), (Start: 154 @34925 has 32 MA's), (Start: 167 @34937 has 4 MA's), (Start: 170 @34943 has 11 MA's), (195, 35021), (218, 35087), (219, 35090),

Gene: Partridge_45 Start: 34587, Stop: 34291, Start Num: 153

Candidate Starts for Partridge_45:

(Start: 153 @34587 has 56 MA's), (Start: 171 @34563 has 6 MA's), (209, 34449), (210, 34446), (219, 34413), (222, 34407), (253, 34347), (263, 34299),

Gene: PascalRango_60 Start: 40921, Stop: 40646, Start Num: 120

Candidate Starts for PascalRango_60:

(Start: 118 @40924 has 30 MA's), (Start: 120 @40921 has 109 MA's), (Start: 125 @40909 has 5 MA's), (Start: 170 @40879 has 11 MA's), (185, 40828), (190, 40813), (197, 40792), (210, 40762), (218, 40732),

Gene: Pat3_36 Start: 31861, Stop: 32106, Start Num: 161

Candidate Starts for Pat3_36:

(Start: 161 @31861 has 154 MA's), (184, 31918), (195, 31951), (197, 31957), (214, 32005), (216, 32011), (222, 32023),

Gene: Patbob_109 Start: 87222, Stop: 87470, Start Num: 159

Candidate Starts for Patbob_109:

(Start: 159 @87222 has 12 MA's), (Start: 165 @87228 has 167 MA's), (Start: 170 @87234 has 11 MA's),

Gene: Patt_66 Start: 42008, Stop: 42271, Start Num: 153

Candidate Starts for Patt_66:

(55, 41825), (Start: 153 @42008 has 56 MA's), (195, 42110), (236, 42206), (256, 42260),

Gene: PattyP_64 Start: 42323, Stop: 42045, Start Num: 118

Candidate Starts for PattyP_64:

(Start: 118 @42323 has 30 MA's), (Start: 120 @42320 has 109 MA's), (Start: 125 @42308 has 5 MA's), (Start: 170 @42278 has 11 MA's), (185, 42227), (190, 42212), (197, 42191), (210, 42161), (218, 42131),

Gene: PauloDiaboli_20 Start: 7036, Stop: 7266, Start Num: 168

Candidate Starts for PauloDiaboli_20:

(Start: 168 @7036 has 6 MA's), (189, 7108), (207, 7150), (248, 7237), (253, 7255),

Gene: PauloDiaboli_218 Start: 116530, Stop: 116276, Start Num: 162

Candidate Starts for PauloDiaboli_218:

(Start: 162 @116530 has 110 MA's), (201, 116416), (211, 116389),

Gene: PauloDiaboli_375 Start: 183665, Stop: 183895, Start Num: 168

Candidate Starts for PauloDiaboli_375:

(Start: 168 @183665 has 6 MA's), (189, 183737), (207, 183779), (248, 183866), (253, 183884),

Gene: Pavlo_29 Start: 9536, Stop: 9784, Start Num: 162

Candidate Starts for Pavlo_29:

(Start: 130 @9497 has 1 MA's), (Start: 162 @9536 has 110 MA's), (180, 9581), (192, 9617), (247, 9764),

Gene: Payneful_60 Start: 40589, Stop: 40314, Start Num: 120

Candidate Starts for Payneful_60:

(Start: 118 @40592 has 30 MA's), (Start: 120 @40589 has 109 MA's), (Start: 125 @40577 has 5 MA's), (Start: 170 @40547 has 11 MA's), (185, 40496), (190, 40481), (197, 40460), (203, 40439), (210, 40430), (218, 40400),

Gene: Peanam_69 Start: 44141, Stop: 44380, Start Num: 165

Candidate Starts for Peanam_69:

(Start: 165 @44141 has 167 MA's), (195, 44231), (210, 44267), (214, 44285), (247, 44348),

Gene: Peel_66 Start: 43624, Stop: 43866, Start Num: 165

Candidate Starts for Peel_66:

(Start: 165 @43624 has 167 MA's), (195, 43714), (237, 43810), (247, 43834),

Gene: PegLeg_39 Start: 32761, Stop: 33039, Start Num: 147

Candidate Starts for PegLeg_39:

(82, 32650), (Start: 147 @32761 has 11 MA's), (Start: 162 @32779 has 110 MA's), (185, 32842), (215, 32929), (218, 32938), (222, 32947),

Gene: Pelly_63 Start: 43135, Stop: 42869, Start Num: 120

Candidate Starts for Pelly_63:

(Start: 118 @43138 has 30 MA's), (Start: 120 @43135 has 109 MA's), (Start: 125 @43123 has 5 MA's), (Start: 170 @43102 has 11 MA's), (185, 43051), (190, 43036), (197, 43015), (210, 42985), (218, 42955), (255, 42880),

Gene: Pepe_60 Start: 40251, Stop: 39985, Start Num: 120

Candidate Starts for Pepe_60:

(Start: 118 @40254 has 30 MA's), (Start: 120 @40251 has 109 MA's), (Start: 125 @40239 has 5 MA's), (Start: 141 @40224 has 2 MA's), (Start: 170 @40218 has 11 MA's), (185, 40167), (190, 40152), (210, 40101), (218, 40071),

Gene: Percival_43 Start: 28266, Stop: 28523, Start Num: 149

Candidate Starts for Percival_43:

(76, 28155), (78, 28158), (Start: 149 @28266 has 23 MA's), (180, 28320), (222, 28446), (227, 28458), (235, 28470),

Gene: Perseus_61 Start: 42872, Stop: 42606, Start Num: 120

Candidate Starts for Perseus_61:

(Start: 118 @42875 has 30 MA's), (Start: 120 @42872 has 109 MA's), (Start: 125 @42860 has 5 MA's), (Start: 170 @42839 has 11 MA's), (185, 42788), (190, 42773), (197, 42752), (210, 42722), (218, 42692),

Gene: Peterson_66 Start: 43632, Stop: 43366, Start Num: 120

Candidate Starts for Peterson_66:

(Start: 120 @43632 has 109 MA's), (Start: 125 @43620 has 5 MA's), (Start: 170 @43599 has 11 MA's), (185, 43548), (190, 43533), (197, 43512), (210, 43482), (218, 43452), (255, 43377),

Gene: Petra64142_39 Start: 33595, Stop: 33840, Start Num: 161

Candidate Starts for Petra64142_39:

(Start: 161 @33595 has 154 MA's), (184, 33652), (195, 33685), (197, 33691), (216, 33745), (222, 33757),

Gene: Petruccio_62 Start: 40710, Stop: 40435, Start Num: 120

Candidate Starts for Petruccio_62:

(Start: 118 @40713 has 30 MA's), (Start: 120 @40710 has 109 MA's), (Start: 125 @40698 has 5 MA's), (Start: 170 @40668 has 11 MA's), (185, 40617), (190, 40602), (197, 40581), (210, 40551), (218, 40521), (255, 40446),

Gene: Phabba_83 Start: 30849, Stop: 31100, Start Num: 115

Candidate Starts for Phabba_83:

(Start: 115 @30849 has 2 MA's), (143, 30894), (185, 30975),

Gene: PhailMary_45 Start: 34620, Stop: 34324, Start Num: 153

Candidate Starts for PhailMary_45:

(Start: 153 @34620 has 56 MA's), (169, 34602), (Start: 171 @34596 has 6 MA's), (185, 34548), (210, 34479), (219, 34446), (222, 34440), (253, 34380), (263, 34332),

Gene: PhancyPhin_55 Start: 36169, Stop: 36417, Start Num: 154

Candidate Starts for PhancyPhin_55:

(Start: 154 @36169 has 32 MA's), (Start: 167 @36181 has 4 MA's), (218, 36331), (219, 36334), (255, 36409),

Gene: Pharb_67 Start: 43448, Stop: 43690, Start Num: 165

Candidate Starts for Pharb_67:

(Start: 165 @43448 has 167 MA's), (Start: 176 @43481 has 2 MA's), (195, 43538), (219, 43610),

Gene: Pharky_9 Start: 6092, Stop: 5736, Start Num: 112

Candidate Starts for Pharky_9:

(Start: 112 @6092 has 19 MA's), (134, 6053), (146, 6038), (188, 5951), (192, 5942), (229, 5834), (235, 5825), (246, 5786),

Gene: Pharsalus_38 Start: 33915, Stop: 34160, Start Num: 161

Candidate Starts for Pharsalus_38:

(Start: 161 @33915 has 154 MA's), (184, 33972), (195, 34005), (197, 34011), (216, 34065), (222, 34077),

Gene: PhatBacter_37 Start: 33163, Stop: 33408, Start Num: 161

Candidate Starts for PhatBacter_37:

(Start: 161 @33163 has 154 MA's), (184, 33220), (195, 33253), (197, 33259), (216, 33313), (222, 33325),

Gene: Phaux_36 Start: 33161, Stop: 33406, Start Num: 161

Candidate Starts for Phaux_36:

(Start: 161 @33161 has 154 MA's), (184, 33218), (195, 33251), (197, 33257), (216, 33311), (222, 33323),

Gene: Phedro_9 Start: 6092, Stop: 5736, Start Num: 112

Candidate Starts for Phedro_9:

(Start: 112 @6092 has 19 MA's), (134, 6053), (146, 6038), (188, 5951), (192, 5942), (229, 5834), (235, 5825), (246, 5786),

Gene: PhelpsODU_68 Start: 43391, Stop: 43630, Start Num: 165
Candidate Starts for PhelpsODU_68:
(Start: 165 @43391 has 167 MA's), (Start: 170 @43400 has 11 MA's), (195, 43481), (219, 43550),

Gene: PherrisBueller_61 Start: 39865, Stop: 39599, Start Num: 120
Candidate Starts for PherrisBueller_61:
(Start: 120 @39865 has 109 MA's), (Start: 125 @39853 has 5 MA's), (Start: 167 @39838 has 4 MA's),
(Start: 170 @39832 has 11 MA's), (185, 39781), (190, 39766), (197, 39745), (210, 39715), (218,
39685), (255, 39610),

Gene: PhillyPhilly_30 Start: 9402, Stop: 9689, Start Num: 130
Candidate Starts for PhillyPhilly_30:
(Start: 130 @9402 has 1 MA's), (Start: 162 @9441 has 110 MA's), (180, 9486), (192, 9522), (247,
9669),

Gene: PhinkBoden_125 Start: 71915, Stop: 72205, Start Num: 151
Candidate Starts for PhinkBoden_125:
(85, 71807), (93, 71822), (119, 71867), (Start: 151 @71915 has 6 MA's), (Start: 176 @71960 has 2
MA's), (218, 72089),

Gene: Phisb_37 Start: 25535, Stop: 25777, Start Num: 162
Candidate Starts for Phisb_37:
(81, 25406), (90, 25427), (97, 25439), (99, 25442), (105, 25451), (107, 25454), (Start: 152 @25526
has 8 MA's), (Start: 162 @25535 has 110 MA's), (213, 25676),

Gene: Phives_35 Start: 26643, Stop: 26906, Start Num: 142
Candidate Starts for Phives_35:
(37, 26406), (39, 26415), (Start: 142 @26643 has 20 MA's),

Gene: Phloss_48 Start: 34332, Stop: 34580, Start Num: 154
Candidate Starts for Phloss_48:
(17, 33918), (48, 34125), (59, 34158), (102, 34254), (Start: 154 @34332 has 32 MA's), (Start: 167
@34344 has 4 MA's), (Start: 170 @34350 has 11 MA's), (195, 34428), (218, 34494), (219, 34497),

Gene: Phoebus_51 Start: 44419, Stop: 44667, Start Num: 161
Candidate Starts for Phoebus_51:
(Start: 161 @44419 has 154 MA's), (212, 44551),

Gene: Phogo_9 Start: 6365, Stop: 6045, Start Num: 110
Candidate Starts for Phogo_9:
(65, 6455), (Start: 110 @6365 has 22 MA's), (143, 6314), (Start: 154 @6299 has 32 MA's), (Start: 179
@6251 has 6 MA's), (234, 6110),

Gene: Phracted_9 Start: 6092, Stop: 5736, Start Num: 112
Candidate Starts for Phracted_9:
(Start: 112 @6092 has 19 MA's), (134, 6053), (146, 6038), (188, 5951), (192, 5942), (229, 5834), (235,
5825), (246, 5786),

Gene: Phrampa_103 Start: 88629, Stop: 88877, Start Num: 159
Candidate Starts for Phrampa_103:
(Start: 159 @88629 has 12 MA's), (Start: 165 @88635 has 167 MA's), (Start: 170 @88641 has 11
MA's), (214, 88773),

Gene: Phrank_70 Start: 43454, Stop: 43693, Start Num: 165

Candidate Starts for Phrank_70:

(104, 43370), (Start: 165 @43454 has 167 MA's), (Start: 170 @43463 has 11 MA's), (195, 43544), (214, 43598),

Gene: Phrankenstein_46 Start: 34244, Stop: 33948, Start Num: 153

Candidate Starts for Phrankenstein_46:

(Start: 153 @34244 has 56 MA's), (169, 34226), (Start: 171 @34220 has 6 MA's), (210, 34103), (219, 34070), (222, 34064), (253, 34004), (263, 33956),

Gene: Phrann_52 Start: 36452, Stop: 36700, Start Num: 154

Candidate Starts for Phrann_52:

(Start: 154 @36452 has 32 MA's), (Start: 167 @36464 has 4 MA's), (218, 36614), (219, 36617), (255, 36692),

Gene: PhriedRice_9 Start: 6092, Stop: 5736, Start Num: 112

Candidate Starts for PhriedRice_9:

(Start: 112 @6092 has 19 MA's), (134, 6053), (146, 6038), (192, 5942), (229, 5834), (235, 5825), (246, 5786),

Gene: PhrostyMug_62 Start: 42644, Stop: 42375, Start Num: 118

Candidate Starts for PhrostyMug_62:

(Start: 118 @42644 has 30 MA's), (Start: 120 @42641 has 109 MA's), (Start: 125 @42629 has 5 MA's), (Start: 170 @42608 has 11 MA's), (185, 42557), (190, 42542), (197, 42521), (210, 42491), (218, 42461),

Gene: Phrux_37 Start: 32876, Stop: 33121, Start Num: 161

Candidate Starts for Phrux_37:

(Start: 161 @32876 has 154 MA's), (184, 32933), (195, 32966), (197, 32972), (216, 33026), (222, 33038),

Gene: Piatt_66 Start: 43819, Stop: 44061, Start Num: 165

Candidate Starts for Piatt_66:

(Start: 165 @43819 has 167 MA's), (195, 43909), (237, 44005), (247, 44029),

Gene: PineapplePluto_10 Start: 6454, Stop: 6131, Start Num: 110

Candidate Starts for PineapplePluto_10:

(40, 6622), (54, 6571), (Start: 110 @6454 has 22 MA's), (143, 6403), (Start: 154 @6388 has 32 MA's), (Start: 179 @6340 has 6 MA's), (215, 6232), (241, 6184), (246, 6166),

Gene: PinkPlastic_62 Start: 41194, Stop: 40919, Start Num: 120

Candidate Starts for PinkPlastic_62:

(Start: 118 @41197 has 30 MA's), (Start: 120 @41194 has 109 MA's), (Start: 125 @41182 has 5 MA's), (Start: 170 @41152 has 11 MA's), (185, 41101), (190, 41086), (197, 41065), (210, 41035), (218, 41005), (255, 40930),

Gene: Pinto_62 Start: 40971, Stop: 40705, Start Num: 117

Candidate Starts for Pinto_62:

(Start: 117 @40971 has 6 MA's), (Start: 125 @40959 has 5 MA's), (Start: 170 @40938 has 11 MA's), (185, 40887), (190, 40872), (197, 40851), (210, 40821), (218, 40791), (255, 40716),

Gene: Pioneer3_28 Start: 9179, Stop: 9433, Start Num: 162

Candidate Starts for Pioneer3_28:

(123, 9131), (148, 9164), (Start: 162 @9179 has 110 MA's), (180, 9224), (192, 9260), (222, 9347),

Gene: Pippin_62 Start: 40576, Stop: 40307, Start Num: 118

Candidate Starts for Pippin_62:

(Start: 118 @40576 has 30 MA's), (Start: 120 @40573 has 109 MA's), (Start: 125 @40561 has 5 MA's), (Start: 170 @40540 has 11 MA's), (185, 40489), (190, 40474), (197, 40453), (210, 40423), (218, 40393),

Gene: Pippin15_52 Start: 34099, Stop: 34347, Start Num: 159

Candidate Starts for Pippin15_52:

(Start: 159 @34099 has 12 MA's), (Start: 170 @34114 has 11 MA's), (197, 34198), (218, 34258), (219, 34261), (222, 34267), (257, 34336),

Gene: Pipsqueaks_50 Start: 34902, Stop: 35150, Start Num: 154

Candidate Starts for Pipsqueaks_50:

(17, 34488), (48, 34695), (59, 34728), (102, 34824), (Start: 154 @34902 has 32 MA's), (Start: 167 @34914 has 4 MA's), (Start: 170 @34920 has 11 MA's), (195, 34998), (218, 35064), (219, 35067),

Gene: Pita2_63 Start: 41180, Stop: 40902, Start Num: 118

Candidate Starts for Pita2_63:

(Start: 118 @41180 has 30 MA's), (Start: 120 @41177 has 109 MA's), (Start: 125 @41165 has 5 MA's), (Start: 170 @41135 has 11 MA's), (185, 41084), (190, 41069), (197, 41048), (210, 41018), (218, 40988),

Gene: Pitbull_58 Start: 33370, Stop: 33633, Start Num: 160

Candidate Starts for Pitbull_58:

(Start: 112 @33298 has 19 MA's), (Start: 160 @33370 has 62 MA's), (220, 33526), (228, 33532), (234, 33541), (253, 33598),

Gene: Pixelle_33 Start: 26398, Stop: 26640, Start Num: 162

Candidate Starts for Pixelle_33:

(Start: 162 @26398 has 110 MA's),

Gene: Pixie_67 Start: 43623, Stop: 43865, Start Num: 165

Candidate Starts for Pixie_67:

(Start: 165 @43623 has 167 MA's), (Start: 176 @43656 has 2 MA's), (195, 43713), (203, 43740), (215, 43773), (219, 43785),

Gene: Platte_28 Start: 8949, Stop: 9203, Start Num: 162

Candidate Starts for Platte_28:

(123, 8901), (148, 8934), (Start: 162 @8949 has 110 MA's), (180, 8994), (192, 9030), (222, 9117),

Gene: Pokerus_66 Start: 43964, Stop: 44206, Start Num: 165

Candidate Starts for Pokerus_66:

(Start: 165 @43964 has 167 MA's), (195, 44054), (237, 44150), (247, 44174),

Gene: Policronamos_38 Start: 33161, Stop: 33406, Start Num: 161

Candidate Starts for Policronamos_38:

(Start: 161 @33161 has 154 MA's), (184, 33218), (195, 33251), (197, 33257), (216, 33311), (222, 33323),

Gene: Pollywog_85 Start: 50811, Stop: 51077, Start Num: 117

Candidate Starts for Pollywog_85:

(Start: 117 @50811 has 6 MA's), (Start: 125 @50823 has 5 MA's), (Start: 170 @50844 has 11 MA's), (185, 50895), (190, 50910), (197, 50931), (203, 50952), (210, 50961), (218, 50991), (255, 51066),

Gene: Porcelain_50 Start: 40623, Stop: 40862, Start Num: 170

Candidate Starts for Porcelain_50:

(Start: 170 @40623 has 11 MA's), (177, 40650), (195, 40704), (196, 40707), (218, 40764), (239, 40800),

Gene: Porky_37 Start: 32972, Stop: 33217, Start Num: 161

Candidate Starts for Porky_37:

(Start: 161 @32972 has 154 MA's), (184, 33029), (195, 33062), (197, 33068), (216, 33122), (222, 33134),

Gene: Pound_54 Start: 45996, Stop: 46244, Start Num: 161

Candidate Starts for Pound_54:

(Start: 161 @45996 has 154 MA's), (212, 46128),

Gene: Powerpuff_35 Start: 25868, Stop: 26110, Start Num: 162

Candidate Starts for Powerpuff_35:

(Start: 162 @25868 has 110 MA's), (219, 26027),

Gene: Prithvi_68 Start: 44110, Stop: 44352, Start Num: 165

Candidate Starts for Prithvi_68:

(Start: 165 @44110 has 167 MA's), (195, 44200), (237, 44296),

Gene: Psycho_60 Start: 41080, Stop: 41328, Start Num: 165

Candidate Starts for Psycho_60:

(Start: 165 @41080 has 167 MA's), (190, 41155), (215, 41227),

Gene: Pumpernickel_201 Start: 115898, Stop: 115641, Start Num: 162

Candidate Starts for Pumpernickel_201:

(Start: 162 @115898 has 110 MA's), (211, 115754), (219, 115739),

Gene: Pumpkin_39 Start: 33212, Stop: 33457, Start Num: 161

Candidate Starts for Pumpkin_39:

(Start: 161 @33212 has 154 MA's), (184, 33269), (195, 33302), (197, 33308), (216, 33362), (222, 33374),

Gene: Pumpkins_33 Start: 25496, Stop: 25762, Start Num: 142

Candidate Starts for Pumpkins_33:

(Start: 142 @25496 has 20 MA's), (219, 25679),

Gene: Pupper_77 Start: 28936, Stop: 29202, Start Num: 162

Candidate Starts for Pupper_77:

(Start: 162 @28936 has 110 MA's), (Start: 179 @28984 has 6 MA's), (221, 29104), (248, 29164),

Gene: Purgamenstris_55 Start: 36173, Stop: 36421, Start Num: 154

Candidate Starts for Purgamenstris_55:

(Start: 154 @36173 has 32 MA's), (Start: 167 @36185 has 4 MA's), (218, 36335), (219, 36338), (255, 36413),

Gene: QMacho_38 Start: 25959, Stop: 26201, Start Num: 162

Candidate Starts for QMacho_38:

(Start: 162 @25959 has 110 MA's), (252, 26193),

Gene: QTRlifeCrisis_62 Start: 41518, Stop: 41243, Start Num: 120

Candidate Starts for QTRlifeCrisis_62:

(Start: 118 @41521 has 30 MA's), (Start: 120 @41518 has 109 MA's), (Start: 125 @41506 has 5 MA's), (Start: 170 @41476 has 11 MA's), (185, 41425), (190, 41410), (197, 41389), (210, 41359), (218, 41329),

Gene: Quallification_38 Start: 33341, Stop: 33586, Start Num: 161

Candidate Starts for Quallification_38:

(Start: 161 @33341 has 154 MA's), (184, 33398), (195, 33431), (197, 33437), (216, 33491), (222, 33503),

Gene: Quby_30 Start: 27518, Stop: 27736, Start Num: 179

Candidate Starts for Quby_30:

(Start: 160 @27473 has 62 MA's), (Start: 179 @27518 has 6 MA's), (195, 27566), (222, 27632),

Gene: Quenya_35 Start: 25660, Stop: 25890, Start Num: 162

Candidate Starts for Quenya_35:

(19, 25243), (28, 25348), (43, 25423), (49, 25447), (64, 25486), (73, 25513), (75, 25516), (77, 25519), (105, 25576), (107, 25579), (111, 25585), (Start: 152 @25651 has 8 MA's), (Start: 162 @25660 has 110 MA's), (195, 25747), (213, 25801), (241, 25852), (252, 25882),

Gene: QuincyRose_64 Start: 43845, Stop: 44087, Start Num: 165

Candidate Starts for QuincyRose_64:

(Start: 165 @43845 has 167 MA's), (195, 43935), (237, 44031), (247, 44055),

Gene: RER2_39 Start: 31170, Stop: 30874, Start Num: 153

Candidate Starts for RER2_39:

(Start: 153 @31170 has 56 MA's), (169, 31152), (Start: 171 @31146 has 6 MA's), (210, 31029), (219, 30996), (222, 30990), (253, 30930), (263, 30882),

Gene: RGL3_40 Start: 32103, Stop: 31804, Start Num: 153

Candidate Starts for RGL3_40:

(69, 32253), (Start: 153 @32103 has 56 MA's), (169, 32085), (Start: 170 @32082 has 11 MA's), (209, 31965), (218, 31932), (219, 31929),

Gene: Racecar_109 Start: 87140, Stop: 87388, Start Num: 159

Candidate Starts for Racecar_109:

(Start: 159 @87140 has 12 MA's), (Start: 165 @87146 has 167 MA's), (Start: 170 @87152 has 11 MA's),

Gene: Rajelicia_62 Start: 42806, Stop: 42531, Start Num: 120

Candidate Starts for Rajelicia_62:

(Start: 118 @42809 has 30 MA's), (Start: 120 @42806 has 109 MA's), (Start: 125 @42794 has 5 MA's), (Start: 170 @42764 has 11 MA's), (185, 42713), (190, 42698), (197, 42677), (210, 42647), (218, 42617),

Gene: Rakim_38 Start: 33241, Stop: 33486, Start Num: 161

Candidate Starts for Rakim_38:

(Start: 161 @33241 has 154 MA's), (184, 33298), (195, 33331), (197, 33337), (216, 33391), (222, 33403),

Gene: Ramen_67 Start: 43469, Stop: 43711, Start Num: 165
Candidate Starts for Ramen_67:
(Start: 165 @43469 has 167 MA's), (195, 43559), (237, 43655), (247, 43679),

Gene: Rando14_62 Start: 40667, Stop: 40915, Start Num: 165
Candidate Starts for Rando14_62:
(Start: 165 @40667 has 167 MA's),

Gene: Rapunzel97_68 Start: 43920, Stop: 44162, Start Num: 165
Candidate Starts for Rapunzel97_68:
(Start: 165 @43920 has 167 MA's), (195, 44010), (237, 44106), (247, 44130),

Gene: Rasputin_46 Start: 34268, Stop: 33972, Start Num: 153
Candidate Starts for Rasputin_46:
(Start: 153 @34268 has 56 MA's), (169, 34250), (Start: 171 @34244 has 6 MA's), (210, 34127), (219, 34094), (222, 34088), (253, 34028), (263, 33980),

Gene: Raymond7_49 Start: 35961, Stop: 36209, Start Num: 154
Candidate Starts for Raymond7_49:
(Start: 154 @35961 has 32 MA's), (Start: 167 @35973 has 4 MA's), (218, 36123), (219, 36126), (255, 36201),

Gene: Redi_55 Start: 36172, Stop: 36420, Start Num: 154
Candidate Starts for Redi_55:
(Start: 154 @36172 has 32 MA's), (Start: 167 @36184 has 4 MA's), (218, 36334), (219, 36337), (255, 36412),

Gene: Redno2_50 Start: 41183, Stop: 41428, Start Num: 161
Candidate Starts for Redno2_50:
(Start: 161 @41183 has 154 MA's), (185, 41246), (195, 41276), (196, 41279), (219, 41339), (222, 41342), (223, 41345),

Gene: Reedo_32 Start: 23099, Stop: 23341, Start Num: 162
Candidate Starts for Reedo_32:
(24, 22766), (37, 22862), (39, 22871), (63, 22946), (Start: 162 @23099 has 110 MA's),

Gene: Reindeer_39 Start: 33229, Stop: 33507, Start Num: 147
Candidate Starts for Reindeer_39:
(Start: 147 @33229 has 11 MA's), (Start: 162 @33247 has 110 MA's), (185, 33310), (190, 33325), (215, 33397), (218, 33406), (219, 33409), (222, 33415),

Gene: Reptar3000_67 Start: 41997, Stop: 42260, Start Num: 153
Candidate Starts for Reptar3000_67:
(Start: 153 @41997 has 56 MA's), (195, 42099), (236, 42195), (256, 42249),

Gene: RexFury_45 Start: 34329, Stop: 34033, Start Num: 153
Candidate Starts for RexFury_45:
(Start: 153 @34329 has 56 MA's), (169, 34311), (Start: 171 @34305 has 6 MA's), (210, 34188), (219, 34155), (222, 34149), (253, 34089), (263, 34041),

Gene: Rey_44 Start: 34155, Stop: 34406, Start Num: 161
Candidate Starts for Rey_44:
(Start: 161 @34155 has 154 MA's), (195, 34248), (213, 34299), (214, 34302), (218, 34314),

Gene: Rhodalysa_46 Start: 34298, Stop: 34002, Start Num: 153

Candidate Starts for Rhodalysa_46:

(Start: 153 @34298 has 56 MA's), (169, 34280), (Start: 171 @34274 has 6 MA's), (210, 34157), (219, 34124), (222, 34118), (253, 34058), (263, 34010),

Gene: Rhynn_60 Start: 40743, Stop: 40474, Start Num: 118

Candidate Starts for Rhynn_60:

(67, 40845), (68, 40842), (88, 40797), (97, 40779), (Start: 118 @40743 has 30 MA's), (Start: 120 @40740 has 109 MA's), (Start: 125 @40728 has 5 MA's), (Start: 170 @40707 has 11 MA's), (185, 40656), (190, 40641), (197, 40620), (210, 40590), (218, 40560),

Gene: Richo_69 Start: 44123, Stop: 44362, Start Num: 165

Candidate Starts for Richo_69:

(Start: 165 @44123 has 167 MA's), (195, 44213), (210, 44249), (214, 44267), (247, 44330),

Gene: RicoCaldo_9 Start: 6122, Stop: 5766, Start Num: 112

Candidate Starts for RicoCaldo_9:

(Start: 112 @6122 has 19 MA's), (134, 6083), (146, 6068), (192, 5972), (204, 5930), (229, 5864), (235, 5855), (246, 5816),

Gene: RidgeCB_61 Start: 40947, Stop: 40681, Start Num: 117

Candidate Starts for RidgeCB_61:

(Start: 117 @40947 has 6 MA's), (Start: 125 @40935 has 5 MA's), (Start: 170 @40914 has 11 MA's), (185, 40863), (190, 40848), (197, 40827), (210, 40797), (218, 40767),

Gene: Rimmer_36 Start: 32701, Stop: 32946, Start Num: 161

Candidate Starts for Rimmer_36:

(Start: 161 @32701 has 154 MA's), (184, 32758), (195, 32791), (197, 32797), (216, 32851), (222, 32863),

Gene: Ringer_62 Start: 42252, Stop: 42001, Start Num: 138

Candidate Starts for Ringer_62:

(77, 42357), (Start: 138 @42252 has 4 MA's), (185, 42183), (190, 42168), (197, 42147), (210, 42117), (218, 42087), (255, 42012),

Gene: Riparian_40 Start: 35856, Stop: 36101, Start Num: 157

Candidate Starts for Riparian_40:

(124, 35814), (Start: 157 @35856 has 9 MA's), (172, 35877), (Start: 176 @35898 has 2 MA's), (184, 35922), (185, 35925), (228, 36024), (230, 36027), (232, 36030),

Gene: RiverMonster_37 Start: 32890, Stop: 33135, Start Num: 161

Candidate Starts for RiverMonster_37:

(Start: 161 @32890 has 154 MA's), (184, 32947), (195, 32980), (197, 32986), (216, 33040), (222, 33052),

Gene: Rollins_33 Start: 23463, Stop: 23702, Start Num: 152

Candidate Starts for Rollins_33:

(38, 23220), (47, 23250), (Start: 152 @23463 has 8 MA's), (Start: 162 @23472 has 110 MA's), (195, 23559), (241, 23664), (252, 23694),

Gene: Roman_30 Start: 9436, Stop: 9684, Start Num: 162

Candidate Starts for Roman_30:

(Start: 130 @9397 has 1 MA's), (Start: 162 @9436 has 110 MA's), (180, 9481), (192, 9517), (247, 9664),

Gene: Rona_34 Start: 25980, Stop: 26210, Start Num: 162

Candidate Starts for Rona_34:

(18, 25560), (23, 25623), (25, 25641), (26, 25662), (29, 25671), (31, 25695), (35, 25713), (36, 25719), (44, 25746), (45, 25749), (50, 25770), (51, 25773), (66, 25812), (70, 25827), (79, 25842), (81, 25851), (84, 25860), (88, 25866), (92, 25875), (99, 25887), (103, 25893), (Start: 152 @25971 has 8 MA's), (Start: 162 @25980 has 110 MA's), (190, 26052), (195, 26067), (241, 26172), (252, 26202),

Gene: Ronaldo_118 Start: 57046, Stop: 57285, Start Num: 171

Candidate Starts for Ronaldo_118:

(Start: 171 @57046 has 6 MA's), (211, 57169), (241, 57241), (242, 57244),

Gene: Rope_40 Start: 36036, Stop: 36281, Start Num: 157

Candidate Starts for Rope_40:

(124, 35994), (Start: 157 @36036 has 9 MA's), (172, 36057), (Start: 176 @36078 has 2 MA's), (184, 36102), (185, 36105), (228, 36204), (230, 36207), (232, 36210),

Gene: Rose5_30 Start: 27690, Stop: 27959, Start Num: 160

Candidate Starts for Rose5_30:

(Start: 160 @27690 has 62 MA's), (Start: 179 @27735 has 6 MA's), (218, 27843),

Gene: Rosmarinus_66 Start: 43610, Stop: 43852, Start Num: 165

Candidate Starts for Rosmarinus_66:

(Start: 165 @43610 has 167 MA's), (195, 43700), (237, 43796), (247, 43820),

Gene: Rubeelu_53 Start: 35513, Stop: 35761, Start Num: 154

Candidate Starts for Rubeelu_53:

(59, 35339), (102, 35435), (Start: 154 @35513 has 32 MA's), (Start: 167 @35525 has 4 MA's), (195, 35609), (218, 35675), (219, 35678),

Gene: Rubeus_60 Start: 38752, Stop: 38498, Start Num: 125

Candidate Starts for Rubeus_60:

(Start: 117 @38764 has 6 MA's), (Start: 125 @38752 has 5 MA's), (Start: 170 @38731 has 11 MA's), (185, 38680), (190, 38665), (197, 38644), (210, 38614), (218, 38584), (255, 38509),

Gene: Rufus_63 Start: 41448, Stop: 41182, Start Num: 117

Candidate Starts for Rufus_63:

(Start: 117 @41448 has 6 MA's), (Start: 125 @41436 has 5 MA's), (Start: 170 @41415 has 11 MA's), (185, 41364), (190, 41349), (197, 41328), (210, 41298), (218, 41268), (255, 41193),

Gene: Rumpelstiltskin_32 Start: 28735, Stop: 28956, Start Num: 179

Candidate Starts for Rumpelstiltskin_32:

(Start: 160 @28690 has 62 MA's), (Start: 179 @28735 has 6 MA's), (196, 28786), (223, 28852), (255, 28924), (262, 28945),

Gene: RunningBrook_37 Start: 10938, Stop: 11192, Start Num: 162

Candidate Starts for RunningBrook_37:

(Start: 144 @10923 has 1 MA's), (Start: 162 @10938 has 110 MA's), (180, 10983), (197, 11034), (202, 11052), (211, 11070),

Gene: Ruotula_64 Start: 42952, Stop: 42695, Start Num: 128

Candidate Starts for Ruotula_64:

(Start: 128 @42952 has 10 MA's), (Start: 167 @42934 has 4 MA's), (Start: 170 @42928 has 11 MA's), (185, 42877), (190, 42862), (197, 42841), (210, 42811), (218, 42781),

Gene: Rutherferd_64 Start: 42559, Stop: 42290, Start Num: 118

Candidate Starts for Rutherferd_64:

(67, 42661), (68, 42658), (88, 42613), (97, 42595), (Start: 118 @42559 has 30 MA's), (Start: 120 @42556 has 109 MA's), (Start: 125 @42544 has 5 MA's), (Start: 170 @42523 has 11 MA's), (185, 42472), (190, 42457), (197, 42436), (210, 42406), (218, 42376),

Gene: SCentae_76 Start: 28691, Stop: 28957, Start Num: 162

Candidate Starts for SCentae_76:

(Start: 162 @28691 has 110 MA's), (Start: 179 @28739 has 6 MA's), (221, 28859), (248, 28919),

Gene: SJReid_115 Start: 79391, Stop: 79633, Start Num: 159

Candidate Starts for SJReid_115:

(Start: 159 @79391 has 12 MA's), (214, 79535),

Gene: STLscum_70 Start: 43220, Stop: 42969, Start Num: 138

Candidate Starts for STLscum_70:

(77, 43325), (Start: 138 @43220 has 4 MA's), (185, 43151), (190, 43136), (197, 43115), (210, 43085), (218, 43055), (255, 42980),

Gene: Sagefire_64 Start: 42827, Stop: 42561, Start Num: 120

Candidate Starts for Sagefire_64:

(Start: 118 @42830 has 30 MA's), (Start: 120 @42827 has 109 MA's), (Start: 125 @42815 has 5 MA's), (Start: 170 @42794 has 11 MA's), (185, 42743), (190, 42728), (197, 42707), (210, 42677), (218, 42647),

Gene: Saints25_38 Start: 32793, Stop: 33038, Start Num: 161

Candidate Starts for Saints25_38:

(Start: 161 @32793 has 154 MA's), (184, 32850), (195, 32883), (197, 32889), (216, 32943), (222, 32955),

Gene: SamScheppers_68 Start: 43849, Stop: 44112, Start Num: 153

Candidate Starts for SamScheppers_68:

(Start: 153 @43849 has 56 MA's), (Start: 167 @43864 has 4 MA's), (195, 43951), (236, 44047), (256, 44101),

Gene: Samty_31 Start: 28787, Stop: 29053, Start Num: 160

Candidate Starts for Samty_31:

(Start: 160 @28787 has 62 MA's), (Start: 170 @28799 has 11 MA's), (Start: 179 @28832 has 6 MA's),

Gene: SamuelLPlaqson_67 Start: 44362, Stop: 44604, Start Num: 165

Candidate Starts for SamuelLPlaqson_67:

(Start: 165 @44362 has 167 MA's), (195, 44452), (237, 44548), (247, 44572),

Gene: SanaSana_39 Start: 27081, Stop: 27314, Start Num: 162

Candidate Starts for SanaSana_39:

(81, 26952), (83, 26955), (90, 26973), (97, 26985), (99, 26988), (105, 26997), (Start: 152 @27072 has 8 MA's), (Start: 162 @27081 has 110 MA's), (212, 27216), (243, 27282),

Gene: Sandaddy_58 Start: 40699, Stop: 40442, Start Num: 128

Candidate Starts for Sandaddy_58:

(Start: 128 @40699 has 10 MA's), (Start: 167 @40681 has 4 MA's), (Start: 170 @40675 has 11 MA's), (185, 40624), (190, 40609), (197, 40588), (210, 40558), (218, 40528), (255, 40453),

Gene: SansAfet_37 Start: 25401, Stop: 25631, Start Num: 162

Candidate Starts for SansAfet_37:

(Start: 162 @25401 has 110 MA's),

Gene: Sanya_57 Start: 41974, Stop: 41741, Start Num: 170

Candidate Starts for Sanya_57:

(Start: 117 @42007 has 6 MA's), (Start: 125 @41995 has 5 MA's), (Start: 170 @41974 has 11 MA's), (185, 41923), (190, 41908), (197, 41887), (210, 41857), (218, 41827), (255, 41752),

Gene: SarBear_36 Start: 25256, Stop: 25498, Start Num: 162

Candidate Starts for SarBear_36:

(Start: 162 @25256 has 110 MA's), (252, 25490),

Gene: SarFire_61 Start: 41167, Stop: 40898, Start Num: 118

Candidate Starts for SarFire_61:

(Start: 118 @41167 has 30 MA's), (Start: 120 @41164 has 109 MA's), (Start: 125 @41152 has 5 MA's), (Start: 141 @41137 has 2 MA's), (Start: 170 @41131 has 11 MA's), (185, 41080), (190, 41065), (197, 41044), (210, 41014), (218, 40984), (255, 40909),

Gene: Sarshaun_32 Start: 28500, Stop: 28721, Start Num: 179

Candidate Starts for Sarshaun_32:

(Start: 160 @28455 has 62 MA's), (Start: 179 @28500 has 6 MA's), (196, 28551), (223, 28617), (255, 28689), (262, 28710),

Gene: Sassay_36 Start: 32639, Stop: 32884, Start Num: 161

Candidate Starts for Sassay_36:

(Start: 161 @32639 has 154 MA's), (184, 32696), (195, 32729), (197, 32735), (216, 32789), (222, 32801),

Gene: Scarlett_71 Start: 44528, Stop: 44758, Start Num: 165

Candidate Starts for Scarlett_71:

(Start: 165 @44528 has 167 MA's), (203, 44645), (215, 44663),

Gene: Schatzie_49 Start: 43187, Stop: 43432, Start Num: 161

Candidate Starts for Schatzie_49:

(Start: 161 @43187 has 154 MA's), (185, 43250), (195, 43280), (196, 43283), (219, 43343), (222, 43346), (223, 43349),

Gene: Schmidt_57 Start: 36601, Stop: 36840, Start Num: 167

Candidate Starts for Schmidt_57:

(86, 36481), (Start: 167 @36601 has 4 MA's), (180, 36643), (185, 36658), (193, 36682), (197, 36694), (216, 36763), (219, 36772), (252, 36832),

Gene: Schnauzer_51 Start: 34925, Stop: 35173, Start Num: 154

Candidate Starts for Schnauzer_51:

(17, 34511), (48, 34718), (59, 34751), (102, 34847), (Start: 154 @34925 has 32 MA's), (Start: 167 @34937 has 4 MA's), (Start: 170 @34943 has 11 MA's), (195, 35021), (218, 35087), (219, 35090),

Gene: ScoobyDoobyDoo_73 Start: 26882, Stop: 27106, Start Num: 167

Candidate Starts for ScoobyDoobyDoo_73:

(Start: 167 @26882 has 4 MA's), (183, 26933), (210, 27005), (214, 27023), (216, 27029), (218, 27035), (243, 27071),

Gene: Scowl_63 Start: 41099, Stop: 40830, Start Num: 118

Candidate Starts for Scowl_63:

(Start: 118 @41099 has 30 MA's), (Start: 120 @41096 has 109 MA's), (Start: 125 @41084 has 5 MA's), (Start: 170 @41060 has 11 MA's), (184, 41015), (190, 40997), (210, 40946), (255, 40841),

Gene: Send513_40 Start: 36392, Stop: 36637, Start Num: 157

Candidate Starts for Send513_40:

(124, 36350), (Start: 157 @36392 has 9 MA's), (172, 36413), (Start: 176 @36434 has 2 MA's), (185, 36461), (228, 36560), (230, 36563), (232, 36566), (251, 36617),

Gene: Serenabean_51 Start: 34263, Stop: 34496, Start Num: 157

Candidate Starts for Serenabean_51:

(Start: 157 @34263 has 9 MA's), (185, 34326), (208, 34398),

Gene: SgtBeansprout_56 Start: 40941, Stop: 41186, Start Num: 165

Candidate Starts for SgtBeansprout_56:

(101, 40869), (Start: 165 @40941 has 167 MA's), (200, 41046), (215, 41088), (237, 41124),

Gene: Shadow1_71 Start: 43904, Stop: 44143, Start Num: 165

Candidate Starts for Shadow1_71:

(104, 43820), (Start: 165 @43904 has 167 MA's), (Start: 170 @43913 has 11 MA's), (195, 43994), (214, 44048), (219, 44063),

Gene: ShakeltOph_41 Start: 26463, Stop: 26750, Start Num: 153

Candidate Starts for ShakeltOph_41:

(Start: 153 @26463 has 56 MA's), (221, 26655),

Gene: ShamWow_37 Start: 33135, Stop: 33380, Start Num: 161

Candidate Starts for ShamWow_37:

(Start: 161 @33135 has 154 MA's), (184, 33192), (195, 33225), (197, 33231), (216, 33285), (222, 33297),

Gene: Shaobing_69 Start: 44159, Stop: 44398, Start Num: 165

Candidate Starts for Shaobing_69:

(Start: 165 @44159 has 167 MA's), (195, 44249), (210, 44285), (214, 44303), (247, 44366),

Gene: Sharkboy_35 Start: 26070, Stop: 26309, Start Num: 152

Candidate Starts for Sharkboy_35:

(18, 25659), (23, 25722), (25, 25740), (26, 25761), (29, 25770), (31, 25794), (35, 25812), (36, 25818), (44, 25845), (45, 25848), (50, 25869), (51, 25872), (61, 25899), (66, 25911), (70, 25926), (79, 25941), (81, 25950), (84, 25959), (88, 25965), (92, 25974), (99, 25986), (103, 25992), (Start: 152 @26070 has 8 MA's), (Start: 162 @26079 has 110 MA's), (190, 26151), (195, 26166), (213, 26220), (241, 26271), (252, 26301),

Gene: Shayna_36 Start: 24764, Stop: 24994, Start Num: 162

Candidate Starts for Shayna_36:

(Start: 162 @24764 has 110 MA's), (181, 24809),

Gene: ShedlockHolmes_69 Start: 44136, Stop: 44378, Start Num: 165

Candidate Starts for ShedlockHolmes_69:

(Start: 165 @44136 has 167 MA's), (Start: 176 @44169 has 2 MA's), (195, 44226), (215, 44286), (219, 44298),

Gene: Sheng711_30 Start: 27624, Stop: 27842, Start Num: 179

Candidate Starts for Sheng711_30:

(Start: 160 @27579 has 62 MA's), (Start: 179 @27624 has 6 MA's), (222, 27738),

Gene: ShiaSurprise_67 Start: 43819, Stop: 44061, Start Num: 165

Candidate Starts for ShiaSurprise_67:

(Start: 165 @43819 has 167 MA's), (195, 43909), (237, 44005), (247, 44029),

Gene: ShortQueendom_54 Start: 38806, Stop: 38531, Start Num: 120

Candidate Starts for ShortQueendom_54:

(Start: 118 @38809 has 30 MA's), (Start: 120 @38806 has 109 MA's), (Start: 125 @38794 has 5 MA's), (185, 38713), (190, 38698), (197, 38677), (210, 38647), (218, 38617),

Gene: ShrimpFriedEgg_55 Start: 36172, Stop: 36420, Start Num: 154

Candidate Starts for ShrimpFriedEgg_55:

(Start: 154 @36172 has 32 MA's), (Start: 167 @36184 has 4 MA's), (218, 36334), (219, 36337), (255, 36412),

Gene: Shuman_46 Start: 34243, Stop: 33947, Start Num: 153

Candidate Starts for Shuman_46:

(Start: 153 @34243 has 56 MA's), (169, 34225), (Start: 171 @34219 has 6 MA's), (210, 34102), (219, 34069), (222, 34063), (253, 34003), (263, 33955),

Gene: Shweta_51 Start: 35498, Stop: 35743, Start Num: 150

Candidate Starts for Shweta_51:

(Start: 150 @35498 has 2 MA's), (Start: 167 @35510 has 4 MA's), (Start: 170 @35516 has 11 MA's), (191, 35582), (206, 35627), (219, 35657),

Gene: Silvafighter_51 Start: 34898, Stop: 35146, Start Num: 154

Candidate Starts for Silvafighter_51:

(17, 34484), (48, 34691), (59, 34724), (102, 34820), (Start: 154 @34898 has 32 MA's), (Start: 167 @34910 has 4 MA's), (Start: 170 @34916 has 11 MA's), (195, 34994), (218, 35060), (219, 35063),

Gene: Silverleaf_30 Start: 27690, Stop: 27959, Start Num: 160

Candidate Starts for Silverleaf_30:

(Start: 160 @27690 has 62 MA's), (Start: 179 @27735 has 6 MA's), (218, 27843),

Gene: Simpliphy_38 Start: 32880, Stop: 33125, Start Num: 161

Candidate Starts for Simpliphy_38:

(Start: 161 @32880 has 154 MA's), (184, 32937), (195, 32970), (197, 32976), (216, 33030), (222, 33042),

Gene: Simpson_35 Start: 24755, Stop: 25021, Start Num: 142

Candidate Starts for Simpson_35:

(32, 24497), (Start: 142 @24755 has 20 MA's), (219, 24938),

Gene: SirDuracell_36 Start: 31800, Stop: 32045, Start Num: 161

Candidate Starts for SirDuracell_36:

(Start: 161 @31800 has 154 MA's), (184, 31857), (195, 31890), (197, 31896), (214, 31944), (216, 31950), (222, 31962),

Gene: SirPhilip_66 Start: 44298, Stop: 44537, Start Num: 165

Candidate Starts for SirPhilip_66:

(Start: 165 @44298 has 167 MA's), (195, 44388), (210, 44424), (214, 44442), (218, 44454),

Gene: Skinny_40 Start: 33191, Stop: 33469, Start Num: 147

Candidate Starts for Skinny_40:

(82, 33080), (Start: 147 @33191 has 11 MA's), (Start: 162 @33209 has 110 MA's), (185, 33272), (215, 33359), (218, 33368), (222, 33377),

Gene: Skog_140 Start: 57999, Stop: 58271, Start Num: 162

Candidate Starts for Skog_140:

(Start: 162 @57999 has 110 MA's), (Start: 179 @58047 has 6 MA's), (193, 58080), (221, 58167),

Gene: Skylord_33 Start: 23403, Stop: 23633, Start Num: 162

Candidate Starts for Skylord_33:

(38, 23151), (47, 23181), (Start: 152 @23394 has 8 MA's), (Start: 162 @23403 has 110 MA's), (195, 23490), (241, 23595), (252, 23625),

Gene: Slagathor_64 Start: 43192, Stop: 42926, Start Num: 120

Candidate Starts for Slagathor_64:

(Start: 118 @43195 has 30 MA's), (Start: 120 @43192 has 109 MA's), (Start: 125 @43180 has 5 MA's), (Start: 167 @43165 has 4 MA's), (Start: 170 @43159 has 11 MA's), (185, 43108), (190, 43093), (197, 43072), (210, 43042), (218, 43012),

Gene: Slarp_70 Start: 43377, Stop: 43640, Start Num: 153

Candidate Starts for Slarp_70:

(Start: 153 @43377 has 56 MA's), (Start: 167 @43392 has 4 MA's), (195, 43479), (236, 43575), (256, 43629),

Gene: Slay_37 Start: 25937, Stop: 26179, Start Num: 162

Candidate Starts for Slay_37:

(Start: 162 @25937 has 110 MA's), (252, 26171),

Gene: SlimJimmy_38 Start: 32763, Stop: 33023, Start Num: 162

Candidate Starts for SlimJimmy_38:

(82, 32634), (Start: 147 @32745 has 11 MA's), (Start: 162 @32763 has 110 MA's), (185, 32826), (215, 32913), (218, 32922), (222, 32931),

Gene: Slimphazie_67 Start: 43920, Stop: 44162, Start Num: 165

Candidate Starts for Slimphazie_67:

(Start: 165 @43920 has 167 MA's), (195, 44010), (237, 44106), (247, 44130),

Gene: Smairt_64 Start: 43635, Stop: 43369, Start Num: 120

Candidate Starts for Smairt_64:

(Start: 118 @43638 has 30 MA's), (Start: 120 @43635 has 109 MA's), (Start: 125 @43623 has 5 MA's), (Start: 170 @43602 has 11 MA's), (185, 43551), (190, 43536), (197, 43515), (210, 43485), (218, 43455),

Gene: Smeagol_64 Start: 43015, Stop: 42749, Start Num: 120

Candidate Starts for Smeagol_64:

(Start: 120 @43015 has 109 MA's), (Start: 125 @43003 has 5 MA's), (Start: 170 @42982 has 11 MA's), (185, 42931), (190, 42916), (197, 42895), (210, 42865), (218, 42835),

Gene: Smoothie_126 Start: 71628, Stop: 71921, Start Num: 149

Candidate Starts for Smoothie_126:

(Start: 149 @71628 has 23 MA's), (Start: 176 @71676 has 2 MA's), (218, 71805),

Gene: Smurph_50 Start: 34925, Stop: 35173, Start Num: 154

Candidate Starts for Smurph_50:

(17, 34511), (48, 34718), (59, 34751), (102, 34847), (Start: 154 @34925 has 32 MA's), (Start: 167 @34937 has 4 MA's), (Start: 170 @34943 has 11 MA's), (195, 35021), (218, 35087), (219, 35090),

Gene: Snazzy_60 Start: 40262, Stop: 39987, Start Num: 120

Candidate Starts for Snazzy_60:

(Start: 118 @40265 has 30 MA's), (Start: 120 @40262 has 109 MA's), (Start: 125 @40250 has 5 MA's), (185, 40169), (190, 40154), (197, 40133), (210, 40103), (218, 40073),

Gene: Snek_33 Start: 23631, Stop: 23897, Start Num: 137

Candidate Starts for Snek_33:

(37, 23421), (39, 23430), (Start: 137 @23631 has 2 MA's), (219, 23814),

Gene: Snekmaggedon_49 Start: 34464, Stop: 34712, Start Num: 154

Candidate Starts for Snekmaggedon_49:

(Start: 154 @34464 has 32 MA's), (Start: 167 @34476 has 4 MA's), (218, 34626), (219, 34629), (255, 34704),

Gene: Snenia_31 Start: 28785, Stop: 29051, Start Num: 160

Candidate Starts for Snenia_31:

(Start: 160 @28785 has 62 MA's), (Start: 170 @28797 has 11 MA's), (Start: 179 @28830 has 6 MA's),

Gene: SoSeph_61 Start: 42799, Stop: 43047, Start Num: 165

Candidate Starts for SoSeph_61:

(Start: 165 @42799 has 167 MA's), (190, 42874), (215, 42946), (233, 42970),

Gene: Soap141_32 Start: 28500, Stop: 28721, Start Num: 179

Candidate Starts for Soap141_32:

(Start: 160 @28455 has 62 MA's), (Start: 179 @28500 has 6 MA's), (196, 28551), (223, 28617), (255, 28689), (262, 28710),

Gene: Solon_61 Start: 40838, Stop: 40563, Start Num: 120

Candidate Starts for Solon_61:

(Start: 118 @40841 has 30 MA's), (Start: 120 @40838 has 109 MA's), (Start: 125 @40826 has 5 MA's), (Start: 170 @40796 has 11 MA's), (185, 40745), (190, 40730), (197, 40709), (210, 40679), (218, 40649), (255, 40574),

Gene: Soondubu_31 Start: 26525, Stop: 26788, Start Num: 162

Candidate Starts for Soondubu_31:

(Start: 162 @26525 has 110 MA's), (240, 26723), (249, 26756),

Gene: Sooty_31 Start: 22496, Stop: 22762, Start Num: 149

Candidate Starts for Sooty_31:

(Start: 149 @22496 has 23 MA's), (Start: 159 @22505 has 12 MA's), (Start: 165 @22511 has 167 MA's), (187, 22574),

Gene: SophKB_37 Start: 33134, Stop: 33379, Start Num: 161

Candidate Starts for SophKB_37:

(Start: 161 @33134 has 154 MA's), (184, 33191), (195, 33224), (197, 33230), (216, 33284), (222, 33296),

Gene: Sorpresa_59 Start: 40701, Stop: 40444, Start Num: 128

Candidate Starts for Sorpresa_59:

(Start: 128 @40701 has 10 MA's), (Start: 167 @40683 has 4 MA's), (Start: 170 @40677 has 11 MA's), (185, 40626), (190, 40611), (197, 40590), (210, 40560), (218, 40530), (255, 40455),

Gene: Sotrice96_37 Start: 33089, Stop: 33334, Start Num: 161

Candidate Starts for Sotrice96_37:

(Start: 161 @33089 has 154 MA's), (184, 33146), (195, 33179), (197, 33185), (216, 33239), (222, 33251),

Gene: SpecialK_36 Start: 22493, Stop: 22759, Start Num: 149

Candidate Starts for SpecialK_36:

(Start: 149 @22493 has 23 MA's), (Start: 165 @22508 has 167 MA's), (187, 22571), (226, 22691),

Gene: SpeedDemon_860 Start: 59302, Stop: 59036, Start Num: 149

Candidate Starts for SpeedDemon_860:

(Start: 149 @59302 has 23 MA's), (175, 59254),

Gene: SpikeBT_60 Start: 40904, Stop: 40638, Start Num: 120

Candidate Starts for SpikeBT_60:

(Start: 118 @40907 has 30 MA's), (Start: 120 @40904 has 109 MA's), (Start: 125 @40892 has 5 MA's), (Start: 170 @40871 has 11 MA's), (185, 40820), (190, 40805), (197, 40784), (210, 40754), (218, 40724), (255, 40649),

Gene: Splinter_63 Start: 40094, Stop: 40318, Start Num: 164

Candidate Starts for Splinter_63:

(Start: 164 @40094 has 10 MA's), (180, 40136), (195, 40181), (198, 40190), (216, 40241), (219, 40250),

Gene: Spock_66 Start: 43623, Stop: 43865, Start Num: 165

Candidate Starts for Spock_66:

(Start: 165 @43623 has 167 MA's), (195, 43713), (237, 43809), (247, 43833),

Gene: SpongeBob_49 Start: 34464, Stop: 34712, Start Num: 154

Candidate Starts for SpongeBob_49:

(Start: 154 @34464 has 32 MA's), (Start: 167 @34476 has 4 MA's), (218, 34626), (219, 34629), (255, 34704),

Gene: Squee_63 Start: 41158, Stop: 40892, Start Num: 120

Candidate Starts for Squee_63:

(Start: 118 @41161 has 30 MA's), (Start: 120 @41158 has 109 MA's), (Start: 125 @41146 has 5 MA's), (Start: 170 @41125 has 11 MA's), (190, 41059), (197, 41038), (203, 41017), (210, 41008), (218, 40978), (255, 40903),

Gene: Squirrel_34 Start: 24244, Stop: 24483, Start Num: 162

Candidate Starts for Squirrel_34:

(10, 23623), (27, 23929), (Start: 162 @24244 has 110 MA's),

Gene: StCroix_45 Start: 34311, Stop: 34015, Start Num: 153

Candidate Starts for StCroix_45:

(Start: 153 @34311 has 56 MA's), (169, 34293), (Start: 171 @34287 has 6 MA's), (210, 34170), (219, 34137), (222, 34131), (253, 34071), (263, 34023),

Gene: StagePhright_9 Start: 6092, Stop: 5736, Start Num: 112

Candidate Starts for StagePhright_9:

(Start: 112 @6092 has 19 MA's), (134, 6053), (146, 6038), (188, 5951), (192, 5942), (229, 5834), (235, 5825), (246, 5786),

Gene: Stank_40 Start: 33641, Stop: 33886, Start Num: 161

Candidate Starts for Stank_40:

(Start: 161 @33641 has 154 MA's), (184, 33698), (195, 33731), (197, 33737), (216, 33791), (222, 33803),

Gene: Stark_38 Start: 32893, Stop: 33138, Start Num: 161

Candidate Starts for Stark_38:

(Start: 161 @32893 has 154 MA's), (184, 32950), (195, 32983), (197, 32989), (216, 33043), (222, 33055),

Gene: StellaBean_37 Start: 33134, Stop: 33379, Start Num: 161

Candidate Starts for StellaBean_37:

(Start: 161 @33134 has 154 MA's), (184, 33191), (195, 33224), (197, 33230), (216, 33284), (222, 33296),

Gene: StevieWelch_35 Start: 10338, Stop: 10592, Start Num: 162

Candidate Starts for StevieWelch_35:

(Start: 144 @10323 has 1 MA's), (Start: 162 @10338 has 110 MA's), (180, 10383), (202, 10452), (211, 10470),

Gene: StewieG_57 Start: 37645, Stop: 37379, Start Num: 120

Candidate Starts for StewieG_57:

(Start: 118 @37648 has 30 MA's), (Start: 120 @37645 has 109 MA's), (Start: 125 @37633 has 5 MA's), (Start: 170 @37612 has 11 MA's), (185, 37561), (190, 37546), (197, 37525), (210, 37495),

Gene: Stinson_68 Start: 44248, Stop: 44490, Start Num: 165

Candidate Starts for Stinson_68:

(Start: 165 @44248 has 167 MA's), (195, 44338), (237, 44434), (247, 44458),

Gene: StolenFromERC_39 Start: 33125, Stop: 33370, Start Num: 161

Candidate Starts for StolenFromERC_39:

(Start: 161 @33125 has 154 MA's), (184, 33182), (195, 33215), (197, 33221), (216, 33275), (222, 33287),

Gene: Stoor_37 Start: 26750, Stop: 26983, Start Num: 162

Candidate Starts for Stoor_37:

(81, 26621), (83, 26624), (90, 26642), (99, 26657), (105, 26666), (Start: 152 @26741 has 8 MA's), (Start: 162 @26750 has 110 MA's),

Gene: Stormbreaker_9 Start: 6347, Stop: 6027, Start Num: 110

Candidate Starts for Stormbreaker_9:

(52, 6467), (65, 6437), (Start: 110 @6347 has 22 MA's), (143, 6296), (Start: 154 @6281 has 32 MA's), (Start: 179 @6233 has 6 MA's), (234, 6092),

Gene: Strobilo_70 Start: 46068, Stop: 46313, Start Num: 165

Candidate Starts for Strobilo_70:

(101, 46005), (Start: 165 @46068 has 167 MA's), (195, 46158), (219, 46227),

Gene: Stromboli_37 Start: 26614, Stop: 26847, Start Num: 162

Candidate Starts for Stromboli_37:

(81, 26485), (83, 26488), (90, 26506), (97, 26518), (99, 26521), (105, 26530), (Start: 152 @26605 has 8 MA's), (Start: 162 @26614 has 110 MA's), (219, 26764),

Gene: StrongArm_60 Start: 42040, Stop: 41774, Start Num: 120

Candidate Starts for StrongArm_60:

(Start: 118 @42043 has 30 MA's), (Start: 120 @42040 has 109 MA's), (Start: 125 @42028 has 5 MA's), (Start: 170 @42004 has 11 MA's), (184, 41959), (190, 41941), (210, 41890), (255, 41785),

Gene: SuMoo_44 Start: 27844, Stop: 28113, Start Num: 149

Candidate Starts for SuMoo_44:

(60, 27691), (76, 27730), (78, 27733), (Start: 149 @27844 has 23 MA's), (180, 27898), (191, 27931), (216, 28012), (236, 28057),

Gene: Sue2_34 Start: 25374, Stop: 25640, Start Num: 142

Candidate Starts for Sue2_34:

(37, 25137), (39, 25146), (63, 25221), (Start: 142 @25374 has 20 MA's), (219, 25557), (250, 25614),

Gene: Sulley_66 Start: 43683, Stop: 43925, Start Num: 165

Candidate Starts for Sulley_66:

(Start: 165 @43683 has 167 MA's), (195, 43773), (237, 43869), (247, 43893),

Gene: Sumter_58 Start: 41278, Stop: 41012, Start Num: 120

Candidate Starts for Sumter_58:

(Start: 118 @41281 has 30 MA's), (Start: 120 @41278 has 109 MA's), (Start: 125 @41266 has 5 MA's), (Start: 141 @41251 has 2 MA's), (Start: 170 @41245 has 11 MA's), (185, 41194), (190, 41179), (197, 41158), (210, 41128), (218, 41098), (255, 41023),

Gene: Sunflower1121_72 Start: 44050, Stop: 44289, Start Num: 165

Candidate Starts for Sunflower1121_72:

(104, 43966), (Start: 165 @44050 has 167 MA's), (Start: 170 @44059 has 11 MA's), (195, 44140), (214, 44194), (219, 44209),

Gene: SunnyD_38 Start: 24766, Stop: 24996, Start Num: 162

Candidate Starts for SunnyD_38:

(Start: 162 @24766 has 110 MA's), (181, 24811),

Gene: Sunshine924_67 Start: 41911, Stop: 41645, Start Num: 120

Candidate Starts for Sunshine924_67:

(Start: 118 @41914 has 30 MA's), (Start: 120 @41911 has 109 MA's), (Start: 125 @41899 has 5 MA's), (Start: 170 @41878 has 11 MA's), (190, 41812), (197, 41791), (210, 41761), (218, 41731), (255, 41656),

Gene: Superphikiman_51 Start: 40814, Stop: 41053, Start Num: 170

Candidate Starts for Superphikiman_51:

(Start: 170 @40814 has 11 MA's), (177, 40841), (195, 40895), (196, 40898), (218, 40955), (239, 40991),

Gene: Swann_46 Start: 34296, Stop: 34000, Start Num: 153

Candidate Starts for Swann_46:

(Start: 153 @34296 has 56 MA's), (169, 34278), (Start: 171 @34272 has 6 MA's), (210, 34155), (219, 34122), (222, 34116), (253, 34056), (263, 34008),

Gene: Swervy_37 Start: 25456, Stop: 25698, Start Num: 162

Candidate Starts for Swervy_37:

(Start: 162 @25456 has 110 MA's), (252, 25690),

Gene: Swole_61 Start: 41087, Stop: 40812, Start Num: 120

Candidate Starts for Swole_61:

(Start: 118 @41090 has 30 MA's), (Start: 120 @41087 has 109 MA's), (Start: 125 @41075 has 5 MA's), (Start: 170 @41045 has 11 MA's), (185, 40994), (190, 40979), (197, 40958), (210, 40928), (218, 40898),

Gene: Syra333_70 Start: 43764, Stop: 44003, Start Num: 165

Candidate Starts for Syra333_70:

(104, 43680), (Start: 165 @43764 has 167 MA's), (Start: 170 @43773 has 11 MA's), (195, 43854), (214, 43908), (219, 43923),

Gene: TBond007_64 Start: 43622, Stop: 43864, Start Num: 165

Candidate Starts for TBond007_64:

(Start: 165 @43622 has 167 MA's), (Start: 176 @43655 has 2 MA's), (195, 43712), (203, 43739), (215, 43772), (219, 43784),

Gene: TBrady12_39 Start: 33125, Stop: 33370, Start Num: 161

Candidate Starts for TBrady12_39:

(Start: 161 @33125 has 154 MA's), (184, 33182), (195, 33215), (197, 33221), (216, 33275), (222, 33287),

Gene: TClif_68 Start: 43725, Stop: 43964, Start Num: 165

Candidate Starts for TClif_68:

(Start: 165 @43725 has 167 MA's), (Start: 170 @43734 has 11 MA's), (195, 43815), (219, 43884), (247, 43932),

Gene: TM4_67 Start: 40730, Stop: 40975, Start Num: 165

Candidate Starts for TM4_67:

(7, 39989), (104, 40673), (108, 40679), (Start: 165 @40730 has 167 MA's), (195, 40820), (219, 40889), (237, 40913), (259, 40967),

Gene: TMaxx_3 Start: 937, Stop: 1194, Start Num: 159

Candidate Starts for TMaxx_3:

(93, 838), (100, 850), (Start: 159 @937 has 12 MA's),

Gene: TWAMP_46 Start: 34298, Stop: 34002, Start Num: 153

Candidate Starts for TWAMP_46:

(Start: 153 @34298 has 56 MA's), (169, 34280), (Start: 171 @34274 has 6 MA's), (210, 34157), (219, 34124), (222, 34118), (253, 34058), (263, 34010),

Gene: TZGordon_64 Start: 38982, Stop: 39206, Start Num: 164

Candidate Starts for TZGordon_64:

(Start: 164 @38982 has 10 MA's), (180, 39024), (195, 39069), (198, 39078), (216, 39129), (219, 39138),

Gene: Tachez_66 Start: 43467, Stop: 43709, Start Num: 165

Candidate Starts for Tachez_66:

(Start: 165 @43467 has 167 MA's), (195, 43557), (237, 43653), (247, 43677),

Gene: TaiwanKao_69 Start: 44172, Stop: 44417, Start Num: 165

Candidate Starts for TaiwanKao_69:

(Start: 165 @44172 has 167 MA's), (195, 44262), (237, 44358), (258, 44409),

Gene: Takoda_46 Start: 34472, Stop: 34176, Start Num: 153

Candidate Starts for Takoda_46:

(Start: 153 @34472 has 56 MA's), (169, 34454), (Start: 171 @34448 has 6 MA's), (210, 34331), (219, 34298), (222, 34292), (253, 34232), (263, 34184),

Gene: Talia1610_108 Start: 86506, Stop: 86754, Start Num: 159

Candidate Starts for Talia1610_108:

(Start: 159 @86506 has 12 MA's), (Start: 165 @86512 has 167 MA's), (Start: 170 @86518 has 11 MA's),

Gene: Tallboi_33 Start: 25971, Stop: 26237, Start Num: 139

Candidate Starts for Tallboi_33:

(32, 25716), (41, 25752), (Start: 139 @25971 has 3 MA's), (219, 26154),

Gene: Tandem_28 Start: 9118, Stop: 9372, Start Num: 162

Candidate Starts for Tandem_28:

(123, 9070), (148, 9103), (Start: 162 @9118 has 110 MA's), (180, 9163), (192, 9199), (222, 9286),

Gene: Tapioca_52 Start: 34891, Stop: 35139, Start Num: 154

Candidate Starts for Tapioca_52:

(Start: 154 @34891 has 32 MA's), (Start: 167 @34903 has 4 MA's), (218, 35053), (219, 35056), (255, 35131),

Gene: Taquito_69 Start: 43582, Stop: 43845, Start Num: 153

Candidate Starts for Taquito_69:

(Start: 153 @43582 has 56 MA's), (Start: 167 @43597 has 4 MA's), (195, 43684), (236, 43780), (256, 43834),

Gene: Target_64 Start: 41123, Stop: 40848, Start Num: 120

Candidate Starts for Target_64:

(Start: 118 @41126 has 30 MA's), (Start: 120 @41123 has 109 MA's), (Start: 125 @41111 has 5 MA's), (Start: 170 @41081 has 11 MA's), (185, 41030), (190, 41015), (197, 40994), (210, 40964), (218, 40934), (255, 40859),

Gene: Tarkin_39 Start: 34124, Stop: 34369, Start Num: 161

Candidate Starts for Tarkin_39:

(Start: 161 @34124 has 154 MA's), (184, 34181), (195, 34214), (197, 34220), (216, 34274), (222, 34286),

Gene: Tbone_32 Start: 24550, Stop: 24816, Start Num: 142

Candidate Starts for Tbone_32:

(32, 24292), (41, 24328), (Start: 142 @24550 has 20 MA's), (219, 24733),

Gene: Teagster_39 Start: 25597, Stop: 25827, Start Num: 162

Candidate Starts for Teagster_39:

(Start: 162 @25597 has 110 MA's), (181, 25642),

Gene: TeardropMSU_36 Start: 33035, Stop: 33280, Start Num: 161

Candidate Starts for TeardropMSU_36:

(Start: 161 @33035 has 154 MA's), (184, 33092), (195, 33125), (197, 33131), (216, 33185), (222, 33197),

Gene: Teaspoon_38 Start: 33088, Stop: 33333, Start Num: 161

Candidate Starts for Teaspoon_38:

(Start: 161 @33088 has 154 MA's), (184, 33145), (195, 33178), (197, 33184), (216, 33238), (222, 33250),

Gene: Teodoridan_60 Start: 40295, Stop: 40029, Start Num: 120

Candidate Starts for Teodoridan_60:

(Start: 120 @40295 has 109 MA's), (Start: 125 @40283 has 5 MA's), (Start: 170 @40262 has 11 MA's), (185, 40211), (190, 40196), (197, 40175), (210, 40145), (218, 40115),

Gene: Terminus_37 Start: 33222, Stop: 33467, Start Num: 161

Candidate Starts for Terminus_37:

(Start: 161 @33222 has 154 MA's), (184, 33279), (195, 33312), (197, 33318), (216, 33372), (222, 33384),

Gene: TforTroy_34 Start: 25368, Stop: 25634, Start Num: 142

Candidate Starts for TforTroy_34:

(Start: 142 @25368 has 20 MA's), (219, 25551),

Gene: TheloniousMonk_65 Start: 43428, Stop: 43162, Start Num: 120

Candidate Starts for TheloniousMonk_65:

(Start: 118 @43431 has 30 MA's), (Start: 120 @43428 has 109 MA's), (Start: 125 @43416 has 5 MA's), (Start: 170 @43392 has 11 MA's), (184, 43347), (190, 43329), (210, 43278), (245, 43203), (255, 43173),

Gene: Thibault_45 Start: 41387, Stop: 41626, Start Num: 170

Candidate Starts for Thibault_45:

(Start: 170 @41387 has 11 MA's), (177, 41414), (195, 41468), (196, 41471), (218, 41528), (239, 41564),

Gene: ThirteenKH_9 Start: 6080, Stop: 5724, Start Num: 112

Candidate Starts for ThirteenKH_9:

(Start: 112 @6080 has 19 MA's), (134, 6041), (146, 6026), (192, 5930), (235, 5813), (246, 5774),

Gene: Thonko_81 Start: 61339, Stop: 61569, Start Num: 170

Candidate Starts for Thonko_81:

(96, 61228), (Start: 142 @61303 has 20 MA's), (Start: 170 @61339 has 11 MA's), (221, 61489),

Gene: Thor_61 Start: 40522, Stop: 40256, Start Num: 120

Candidate Starts for Thor_61:

(Start: 118 @40525 has 30 MA's), (Start: 120 @40522 has 109 MA's), (Start: 125 @40510 has 5 MA's), (Start: 141 @40495 has 2 MA's), (Start: 170 @40489 has 11 MA's), (185, 40438), (190, 40423),

(197, 40402), (210, 40372), (218, 40342), (255, 40267),

Gene: ThreeRngTarjay_50 Start: 44296, Stop: 44541, Start Num: 161

Candidate Starts for ThreeRngTarjay_50:

(Start: 161 @44296 has 154 MA's), (185, 44359), (195, 44389), (196, 44392), (219, 44452), (222, 44455), (223, 44458),

Gene: Thresher_38 Start: 33889, Stop: 34134, Start Num: 161

Candidate Starts for Thresher_38:

(Start: 161 @33889 has 154 MA's), (184, 33946), (195, 33979), (197, 33985), (216, 34039), (222, 34051),

Gene: Thyatira_63 Start: 44764, Stop: 45012, Start Num: 165

Candidate Starts for Thyatira_63:

(Start: 165 @44764 has 167 MA's), (190, 44839), (215, 44911), (233, 44935),

Gene: Tian_33 Start: 26378, Stop: 26620, Start Num: 162

Candidate Starts for Tian_33:

(Start: 162 @26378 has 110 MA's),

Gene: Tierra_70 Start: 44265, Stop: 44504, Start Num: 165

Candidate Starts for Tierra_70:

(104, 44181), (Start: 165 @44265 has 167 MA's), (Start: 170 @44274 has 11 MA's), (195, 44355), (214, 44409),

Gene: TinaLin_62 Start: 38825, Stop: 39049, Start Num: 164

Candidate Starts for TinaLin_62:

(Start: 164 @38825 has 10 MA's), (180, 38867), (195, 38912), (198, 38921), (216, 38972), (219, 38981), (237, 39002),

Gene: TingHuaYa_70 Start: 43428, Stop: 43676, Start Num: 165

Candidate Starts for TingHuaYa_70:

(Start: 165 @43428 has 167 MA's), (195, 43518), (237, 43614), (247, 43638),

Gene: TiniBug_67 Start: 44358, Stop: 44600, Start Num: 165

Candidate Starts for TiniBug_67:

(Start: 165 @44358 has 167 MA's), (195, 44448), (237, 44544), (247, 44568),

Gene: TinyTimothy_9 Start: 6219, Stop: 5899, Start Num: 110

Candidate Starts for TinyTimothy_9:

(Start: 110 @6219 has 22 MA's), (134, 6180), (143, 6168), (214, 6000), (246, 5931),

Gene: Tiri_67 Start: 43756, Stop: 43998, Start Num: 165

Candidate Starts for Tiri_67:

(Start: 165 @43756 has 167 MA's), (180, 43801), (195, 43846), (237, 43942),

Gene: Tomaszewski_36 Start: 32732, Stop: 32977, Start Num: 161

Candidate Starts for Tomaszewski_36:

(Start: 161 @32732 has 154 MA's), (184, 32789), (195, 32822), (197, 32828), (214, 32876), (216, 32882), (222, 32894),

Gene: Toniann_125 Start: 71160, Stop: 71450, Start Num: 151

Candidate Starts for Toniann_125:

(85, 71052), (93, 71067), (119, 71112), (Start: 151 @71160 has 6 MA's), (Start: 176 @71205 has 2 MA's), (218, 71334),

Gene: Topper_66 Start: 43622, Stop: 43864, Start Num: 165

Candidate Starts for Topper_66:

(Start: 165 @43622 has 167 MA's), (195, 43712), (237, 43808), (247, 43832),

Gene: Torres_57 Start: 43555, Stop: 43800, Start Num: 165

Candidate Starts for Torres_57:

(101, 43483), (Start: 165 @43555 has 167 MA's), (200, 43660), (215, 43702), (237, 43738),

Gene: Tote_58 Start: 38354, Stop: 38079, Start Num: 120

Candidate Starts for Tote_58:

(Start: 118 @38357 has 30 MA's), (Start: 120 @38354 has 109 MA's), (Start: 125 @38342 has 5 MA's), (Start: 170 @38312 has 11 MA's), (185, 38261), (190, 38246), (197, 38225), (210, 38195), (218, 38165),

Gene: Toto_37 Start: 33135, Stop: 33380, Start Num: 161

Candidate Starts for Toto_37:

(Start: 161 @33135 has 154 MA's), (184, 33192), (195, 33225), (197, 33231), (216, 33285), (222, 33297),

Gene: Tourach_32 Start: 28413, Stop: 28679, Start Num: 160

Candidate Starts for Tourach_32:

(Start: 160 @28413 has 62 MA's), (Start: 179 @28458 has 6 MA's), (196, 28509), (255, 28647), (262, 28668),

Gene: Traaww1_35 Start: 32773, Stop: 33018, Start Num: 161

Candidate Starts for Traaww1_35:

(Start: 161 @32773 has 154 MA's), (184, 32830), (195, 32863), (197, 32869), (216, 32923), (222, 32935),

Gene: Traft412_64 Start: 41743, Stop: 41486, Start Num: 128

Candidate Starts for Traft412_64:

(Start: 128 @41743 has 10 MA's), (Start: 167 @41725 has 4 MA's), (Start: 170 @41719 has 11 MA's), (185, 41668), (190, 41653), (197, 41632), (210, 41602), (218, 41572),

Gene: Treddle_63 Start: 42567, Stop: 42298, Start Num: 118

Candidate Starts for Treddle_63:

(Start: 118 @42567 has 30 MA's), (Start: 120 @42564 has 109 MA's), (Start: 125 @42552 has 5 MA's), (Start: 170 @42531 has 11 MA's), (185, 42480), (190, 42465), (197, 42444), (203, 42423), (210, 42414), (218, 42384),

Gene: TreyKay_68 Start: 44110, Stop: 44352, Start Num: 165

Candidate Starts for TreyKay_68:

(Start: 165 @44110 has 167 MA's), (195, 44200), (237, 44296),

Gene: TribbleTrouble_68 Start: 44625, Stop: 44867, Start Num: 165

Candidate Starts for TribbleTrouble_68:

(Start: 165 @44625 has 167 MA's), (Start: 176 @44658 has 2 MA's), (195, 44715), (219, 44787),

Gene: Tripl3t_65 Start: 43651, Stop: 43394, Start Num: 128

Candidate Starts for Tripl3t_65:

(Start: 128 @43651 has 10 MA's), (Start: 167 @43633 has 4 MA's), (Start: 170 @43627 has 11 MA's), (185, 43576), (190, 43561), (197, 43540), (210, 43510), (218, 43480), (255, 43405),

Gene: TrippleS_9 Start: 6080, Stop: 5724, Start Num: 112

Candidate Starts for TrippleS_9:

(Start: 112 @6080 has 19 MA's), (134, 6041), (146, 6026), (192, 5930), (235, 5813), (246, 5774),

Gene: Trouble_63 Start: 41668, Stop: 41399, Start Num: 118

Candidate Starts for Trouble_63:

(Start: 118 @41668 has 30 MA's), (Start: 120 @41665 has 109 MA's), (Start: 125 @41653 has 5 MA's), (Start: 170 @41632 has 11 MA's), (190, 41566), (197, 41545), (203, 41524), (210, 41515), (218, 41485),

Gene: TruffulaTree_67 Start: 43916, Stop: 44158, Start Num: 165

Candidate Starts for TruffulaTree_67:

(Start: 165 @43916 has 167 MA's), (195, 44006), (237, 44102), (247, 44126),

Gene: Truong_9 Start: 6089, Stop: 5751, Start Num: 112

Candidate Starts for Truong_9:

(57, 6161), (Start: 112 @6089 has 19 MA's), (134, 6050), (178, 5978), (192, 5939), (247, 5798),

Gene: Tuck_36 Start: 27187, Stop: 27453, Start Num: 142

Candidate Starts for Tuck_36:

(37, 26950), (39, 26959), (Start: 142 @27187 has 20 MA's),

Gene: Tuco_38 Start: 33643, Stop: 33888, Start Num: 161

Candidate Starts for Tuco_38:

(Start: 161 @33643 has 154 MA's), (184, 33700), (195, 33733), (197, 33739), (216, 33793), (222, 33805),

Gene: TukTuk_37 Start: 25527, Stop: 25769, Start Num: 162

Candidate Starts for TukTuk_37:

(Start: 162 @25527 has 110 MA's), (213, 25668),

Gene: Turab_32 Start: 24438, Stop: 24704, Start Num: 139

Candidate Starts for Turab_32:

(14, 23982), (32, 24183), (41, 24219), (Start: 139 @24438 has 3 MA's), (219, 24621),

Gene: Turj99_60 Start: 42063, Stop: 41797, Start Num: 120

Candidate Starts for Turj99_60:

(Start: 118 @42066 has 30 MA's), (Start: 120 @42063 has 109 MA's), (Start: 125 @42051 has 5 MA's), (Start: 167 @42036 has 4 MA's), (Start: 170 @42030 has 11 MA's), (185, 41979), (190, 41964), (197, 41943), (210, 41913), (218, 41883), (255, 41808),

Gene: Tutumahutu_33 Start: 24722, Stop: 24988, Start Num: 142

Candidate Starts for Tutumahutu_33:

(32, 24464), (41, 24500), (Start: 142 @24722 has 20 MA's), (219, 24905),

Gene: Tweety19_33 Start: 23630, Stop: 23896, Start Num: 137

Candidate Starts for Tweety19_33:

(37, 23420), (39, 23429), (Start: 137 @23630 has 2 MA's), (219, 23813),

Gene: Twitch_66 Start: 43624, Stop: 43866, Start Num: 165

Candidate Starts for Twitch_66:

(Start: 165 @43624 has 167 MA's), (195, 43714), (237, 43810), (247, 43834),

Gene: TwoPeat_63 Start: 41915, Stop: 41649, Start Num: 120

Candidate Starts for TwoPeat_63:

(Start: 118 @41918 has 30 MA's), (Start: 120 @41915 has 109 MA's), (Start: 125 @41903 has 5 MA's), (Start: 167 @41888 has 4 MA's), (Start: 170 @41882 has 11 MA's), (185, 41831), (190, 41816), (197, 41795), (210, 41765), (218, 41735),

Gene: TyDawg_39 Start: 32762, Stop: 33040, Start Num: 147

Candidate Starts for TyDawg_39:

(82, 32651), (Start: 147 @32762 has 11 MA's), (Start: 162 @32780 has 110 MA's), (185, 32843), (215, 32930), (218, 32939), (222, 32948),

Gene: Tyson_30 Start: 27735, Stop: 27959, Start Num: 179

Candidate Starts for Tyson_30:

(Start: 160 @27690 has 62 MA's), (Start: 179 @27735 has 6 MA's), (218, 27843),

Gene: UPIE_30 Start: 27688, Stop: 27957, Start Num: 160

Candidate Starts for UPIE_30:

(Start: 160 @27688 has 62 MA's), (Start: 179 @27733 has 6 MA's), (218, 27841),

Gene: UhSalsa_46 Start: 34231, Stop: 33935, Start Num: 153

Candidate Starts for UhSalsa_46:

(Start: 153 @34231 has 56 MA's), (169, 34213), (Start: 171 @34207 has 6 MA's), (210, 34090), (219, 34057), (222, 34051), (253, 33991), (263, 33943),

Gene: Ukulele_37 Start: 32893, Stop: 33138, Start Num: 161

Candidate Starts for Ukulele_37:

(Start: 161 @32893 has 154 MA's), (184, 32950), (195, 32983), (197, 32989), (216, 33043), (222, 33055),

Gene: Unicorn_68 Start: 43391, Stop: 43630, Start Num: 165

Candidate Starts for Unicorn_68:

(Start: 165 @43391 has 167 MA's), (Start: 170 @43400 has 11 MA's), (195, 43481), (219, 43550),

Gene: Unphazed_9 Start: 6368, Stop: 6045, Start Num: 110

Candidate Starts for Unphazed_9:

(Start: 110 @6368 has 22 MA's), (143, 6317), (173, 6272), (Start: 179 @6254 has 6 MA's), (214, 6149), (241, 6098),

Gene: Urkel_67 Start: 44362, Stop: 44604, Start Num: 165

Candidate Starts for Urkel_67:

(Start: 165 @44362 has 167 MA's), (195, 44452), (237, 44548), (247, 44572),

Gene: UtzChips_41 Start: 26893, Stop: 27153, Start Num: 149

Candidate Starts for UtzChips_41:

(71, 26767), (Start: 149 @26893 has 23 MA's),

Gene: VResidence_33 Start: 24693, Stop: 24935, Start Num: 162

Candidate Starts for VResidence_33:

(Start: 162 @24693 has 110 MA's), (183, 24747), (221, 24855),

Gene: Validus_71 Start: 44494, Stop: 44733, Start Num: 165

Candidate Starts for Validus_71:

(Start: 165 @44494 has 167 MA's), (195, 44584), (214, 44638),

Gene: Veliki_68 Start: 43889, Stop: 44131, Start Num: 165

Candidate Starts for Veliki_68:

(Start: 165 @43889 has 167 MA's), (195, 43979), (237, 44075), (247, 44099),

Gene: Vendetta_63 Start: 40094, Stop: 40318, Start Num: 164

Candidate Starts for Vendetta_63:

(Start: 164 @40094 has 10 MA's), (180, 40136), (195, 40181), (198, 40190), (216, 40241), (219, 40250),

Gene: Vetric_32 Start: 28428, Stop: 28694, Start Num: 160

Candidate Starts for Vetric_32:

(Start: 160 @28428 has 62 MA's), (Start: 179 @28473 has 6 MA's), (196, 28524), (223, 28590), (255, 28662), (262, 28683),

Gene: Vibaki_39 Start: 33279, Stop: 33614, Start Num: 133

Candidate Starts for Vibaki_39:

(Start: 133 @33279 has 1 MA's), (Start: 145 @33294 has 1 MA's), (231, 33507), (233, 33510), (261, 33585),

Gene: Violet_60 Start: 42922, Stop: 42656, Start Num: 120

Candidate Starts for Violet_60:

(Start: 118 @42925 has 30 MA's), (Start: 120 @42922 has 109 MA's), (Start: 125 @42910 has 5 MA's), (Start: 170 @42889 has 11 MA's), (185, 42838), (190, 42823), (197, 42802), (210, 42772), (218, 42742),

Gene: Vitas_33 Start: 23412, Stop: 23642, Start Num: 162

Candidate Starts for Vitas_33:

(38, 23160), (47, 23190), (Start: 152 @23403 has 8 MA's), (Start: 162 @23412 has 110 MA's), (195, 23499), (241, 23604), (252, 23634),

Gene: Volt_121 Start: 57210, Stop: 57449, Start Num: 171

Candidate Starts for Volt_121:

(Start: 171 @57210 has 6 MA's), (211, 57333), (241, 57405), (242, 57408),

Gene: WalkingDead_38 Start: 27005, Stop: 27238, Start Num: 162

Candidate Starts for WalkingDead_38:

(81, 26876), (83, 26879), (90, 26897), (97, 26909), (99, 26912), (105, 26921), (Start: 152 @26996 has 8 MA's), (Start: 162 @27005 has 110 MA's),

Gene: Wamburgxpress_30 Start: 27703, Stop: 27972, Start Num: 160

Candidate Starts for Wamburgxpress_30:

(Start: 160 @27703 has 62 MA's), (Start: 179 @27748 has 6 MA's), (218, 27856),

Gene: Wanda_58 Start: 44007, Stop: 44255, Start Num: 161

Candidate Starts for Wanda_58:

(Start: 161 @44007 has 154 MA's), (212, 44139),

Gene: Warda_33 Start: 24726, Stop: 24992, Start Num: 142

Candidate Starts for Warda_33:

(32, 24468), (41, 24504), (Start: 142 @24726 has 20 MA's), (219, 24909),

Gene: WaterT_52 Start: 33281, Stop: 33520, Start Num: 165

Candidate Starts for WaterT_52:

(Start: 165 @33281 has 167 MA's), (185, 33338), (194, 33365), (197, 33374),

Gene: Waterfoul_62 Start: 42861, Stop: 43109, Start Num: 165

Candidate Starts for Waterfoul_62:

(Start: 165 @42861 has 167 MA's), (190, 42936), (215, 43008), (233, 43032),

Gene: Waterlily_9 Start: 6089, Stop: 5751, Start Num: 112

Candidate Starts for Waterlily_9:

(57, 6161), (Start: 112 @6089 has 19 MA's), (134, 6050), (178, 5978), (192, 5939), (204, 5897), (247, 5798),

Gene: Weiss13_40 Start: 36088, Stop: 36333, Start Num: 157

Candidate Starts for Weiss13_40:

(124, 36046), (Start: 157 @36088 has 9 MA's), (172, 36109), (Start: 176 @36130 has 2 MA's), (184, 36154), (185, 36157), (228, 36256), (230, 36259), (232, 36262),

Gene: Welcome_36 Start: 10355, Stop: 10609, Start Num: 162

Candidate Starts for Welcome_36:

(33, 10088), (Start: 144 @10340 has 1 MA's), (Start: 162 @10355 has 110 MA's), (180, 10400), (197, 10451), (202, 10469), (211, 10487),

Gene: Wesak_9 Start: 6219, Stop: 5899, Start Num: 110

Candidate Starts for Wesak_9:

(Start: 110 @6219 has 22 MA's), (134, 6180), (143, 6168), (146, 6165), (214, 6000), (246, 5931),

Gene: Wheeler_64 Start: 41819, Stop: 41544, Start Num: 120

Candidate Starts for Wheeler_64:

(Start: 120 @41819 has 109 MA's), (Start: 125 @41807 has 5 MA's), (185, 41726), (190, 41711), (197, 41690), (210, 41660), (218, 41630), (255, 41555),

Gene: Whirlwind_32 Start: 28525, Stop: 28791, Start Num: 160

Candidate Starts for Whirlwind_32:

(Start: 130 @28486 has 1 MA's), (Start: 160 @28525 has 62 MA's), (Start: 170 @28537 has 11 MA's), (Start: 179 @28570 has 6 MA's), (195, 28618),

Gene: Wiggin_40 Start: 33639, Stop: 33884, Start Num: 161

Candidate Starts for Wiggin_40:

(Start: 161 @33639 has 154 MA's), (184, 33696), (195, 33729), (197, 33735), (216, 33789), (222, 33801),

Gene: Wigglewigggle_32 Start: 28454, Stop: 28720, Start Num: 160

Candidate Starts for Wigglewigggle_32:

(Start: 160 @28454 has 62 MA's), (Start: 179 @28499 has 6 MA's), (196, 28550), (223, 28616), (255, 28688), (262, 28709),

Gene: Wildcat_53 Start: 39356, Stop: 39604, Start Num: 161

Candidate Starts for Wildcat_53:

(Start: 161 @39356 has 154 MA's), (191, 39437), (210, 39485), (219, 39518), (221, 39521), (222, 39524), (240, 39557), (250, 39593),

Gene: Wilder_32 Start: 28427, Stop: 28693, Start Num: 160

Candidate Starts for Wilder_32:

(Start: 160 @28427 has 62 MA's), (Start: 179 @28472 has 6 MA's), (196, 28523), (223, 28589), (255, 28661), (262, 28682),

Gene: Wildwest_33 Start: 24524, Stop: 24790, Start Num: 142

Candidate Starts for Wildwest_33:

(32, 24266), (41, 24302), (Start: 142 @24524 has 20 MA's), (219, 24707),

Gene: Willez_36 Start: 32639, Stop: 32884, Start Num: 161

Candidate Starts for Willez_36:

(Start: 161 @32639 has 154 MA's), (184, 32696), (195, 32729), (197, 32735), (216, 32789), (222, 32801),

Gene: WilliamBoone_123 Start: 68402, Stop: 68692, Start Num: 151

Candidate Starts for WilliamBoone_123:

(106, 68330), (Start: 151 @68402 has 6 MA's), (218, 68576), (221, 68582),

Gene: Winky_32 Start: 28422, Stop: 28688, Start Num: 160

Candidate Starts for Winky_32:

(Start: 160 @28422 has 62 MA's), (Start: 179 @28467 has 6 MA's), (196, 28518), (223, 28584), (255, 28656), (262, 28677),

Gene: Wintermute_70 Start: 43607, Stop: 43870, Start Num: 153

Candidate Starts for Wintermute_70:

(Start: 153 @43607 has 56 MA's), (Start: 167 @43622 has 4 MA's), (195, 43709), (236, 43805), (256, 43859),

Gene: Wolfstar_31 Start: 9938, Stop: 10189, Start Num: 162

Candidate Starts for Wolfstar_31:

(16, 9515), (22, 9551), (136, 9908), (140, 9914), (Start: 162 @9938 has 110 MA's), (180, 9983), (192, 10019), (222, 10106),

Gene: Wyatt2_30 Start: 27690, Stop: 27959, Start Num: 160

Candidate Starts for Wyatt2_30:

(Start: 160 @27690 has 62 MA's), (Start: 179 @27735 has 6 MA's), (218, 27843),

Gene: Xandras_39 Start: 33125, Stop: 33370, Start Num: 161

Candidate Starts for Xandras_39:

(Start: 161 @33125 has 154 MA's), (184, 33182), (195, 33215), (197, 33221), (216, 33275), (222, 33287),

Gene: Xerxes_50 Start: 34922, Stop: 35170, Start Num: 154

Candidate Starts for Xerxes_50:

(17, 34508), (48, 34715), (59, 34748), (102, 34844), (Start: 154 @34922 has 32 MA's), (Start: 167 @34934 has 4 MA's), (Start: 170 @34940 has 11 MA's), (195, 35018), (218, 35084), (219, 35087),

Gene: Ximenita_72 Start: 44093, Stop: 44332, Start Num: 165

Candidate Starts for Ximenita_72:

(104, 44009), (Start: 165 @44093 has 167 MA's), (Start: 170 @44102 has 11 MA's), (195, 44183), (219, 44252),

Gene: Xitlalli_9 Start: 6353, Stop: 6033, Start Num: 110

Candidate Starts for Xitlalli_9:

(65, 6443), (Start: 110 @6353 has 22 MA's), (143, 6302), (Start: 154 @6287 has 32 MA's), (Start: 179 @6239 has 6 MA's), (234, 6098),

Gene: Yafa_9 Start: 6095, Stop: 5739, Start Num: 112

Candidate Starts for Yafa_9:

(Start: 112 @6095 has 19 MA's), (134, 6056), (146, 6041), (192, 5945), (235, 5828), (246, 5789),

Gene: Yang_33 Start: 24867, Stop: 25133, Start Num: 142

Candidate Starts for Yang_33:

(32, 24609), (41, 24645), (Start: 142 @24867 has 20 MA's), (219, 25050),

Gene: Yappy_53 Start: 13402, Stop: 13620, Start Num: 159

Candidate Starts for Yappy_53:

(131, 13369), (Start: 159 @13402 has 12 MA's), (Start: 170 @13414 has 11 MA's), (180, 13447), (191, 13480),

Gene: YassJohnny_38 Start: 33650, Stop: 33895, Start Num: 161

Candidate Starts for YassJohnny_38:

(Start: 161 @33650 has 154 MA's), (184, 33707), (195, 33740), (197, 33746), (216, 33800), (222, 33812),

Gene: Yeet_50 Start: 43428, Stop: 43673, Start Num: 161

Candidate Starts for Yeet_50:

(Start: 161 @43428 has 154 MA's), (185, 43491), (195, 43521), (196, 43524), (219, 43584), (222, 43587), (223, 43590),

Gene: YellowPanda_9 Start: 6219, Stop: 5899, Start Num: 110

Candidate Starts for YellowPanda_9:

(Start: 110 @6219 has 22 MA's), (134, 6180), (143, 6168), (146, 6165), (214, 6000), (246, 5931),

Gene: Yelo_40 Start: 36381, Stop: 36626, Start Num: 157

Candidate Starts for Yelo_40:

(124, 36339), (Start: 157 @36381 has 9 MA's), (172, 36402), (Start: 176 @36423 has 2 MA's), (185, 36450), (228, 36549), (230, 36552), (232, 36555), (251, 36606),

Gene: YesChef_33 Start: 24727, Stop: 24969, Start Num: 162

Candidate Starts for YesChef_33:

(Start: 162 @24727 has 110 MA's), (219, 24886),

Gene: Yogi_45 Start: 34272, Stop: 33976, Start Num: 153

Candidate Starts for Yogi_45:

(Start: 153 @34272 has 56 MA's), (169, 34254), (Start: 171 @34248 has 6 MA's), (210, 34131), (219, 34098), (222, 34092), (253, 34032), (263, 33984),

Gene: Yoncess_45 Start: 34052, Stop: 33756, Start Num: 153

Candidate Starts for Yoncess_45:

(Start: 153 @34052 has 56 MA's), (169, 34034), (Start: 171 @34028 has 6 MA's), (210, 33911), (219, 33878), (222, 33872), (253, 33812), (263, 33764),

Gene: Yotsuba_52 Start: 37228, Stop: 37476, Start Num: 159

Candidate Starts for Yotsuba_52:

(Start: 159 @37228 has 12 MA's), (197, 37327), (198, 37333), (218, 37387), (219, 37390), (222, 37396), (257, 37465),

Gene: Youngblood_37 Start: 33295, Stop: 33540, Start Num: 161

Candidate Starts for Youngblood_37:

(Start: 161 @33295 has 154 MA's), (184, 33352), (195, 33385), (197, 33391), (214, 33439), (216, 33445), (222, 33457),

Gene: YoureAdopted_66 Start: 44035, Stop: 44277, Start Num: 165

Candidate Starts for YoureAdopted_66:

(Start: 165 @44035 has 167 MA's), (195, 44125), (237, 44221), (247, 44245),

Gene: Yuma_34 Start: 10257, Stop: 10511, Start Num: 162

Candidate Starts for Yuma_34:

(Start: 144 @10242 has 1 MA's), (Start: 162 @10257 has 110 MA's), (180, 10302), (222, 10425),

Gene: Yuna_71 Start: 45201, Stop: 45449, Start Num: 165

Candidate Starts for Yuna_71:

(104, 45129), (Start: 165 @45201 has 167 MA's), (195, 45291), (215, 45351), (247, 45411),

Gene: Yunkel11_71 Start: 43949, Stop: 44191, Start Num: 165

Candidate Starts for Yunkel11_71:

(101, 43871), (Start: 165 @43949 has 167 MA's), (237, 44135),

Gene: Yvonnetastic_129 Start: 73454, Stop: 73753, Start Num: 149

Candidate Starts for Yvonnetastic_129:

(Start: 149 @73454 has 23 MA's), (180, 73514), (197, 73556), (200, 73565), (210, 73601), (218, 73631),

Gene: Zabiza_61 Start: 39772, Stop: 40014, Start Num: 165

Candidate Starts for Zabiza_61:

(Start: 165 @39772 has 167 MA's), (195, 39862), (237, 39958), (247, 39982),

Gene: Zakai_32 Start: 28678, Stop: 28944, Start Num: 160

Candidate Starts for Zakai_32:

(Start: 160 @28678 has 62 MA's), (Start: 179 @28723 has 6 MA's), (223, 28840), (262, 28933),

Gene: Zaria_30 Start: 27704, Stop: 27973, Start Num: 160

Candidate Starts for Zaria_30:

(Start: 160 @27704 has 62 MA's), (Start: 179 @27749 has 6 MA's), (218, 27857),

Gene: Zavala_69 Start: 44194, Stop: 44436, Start Num: 165

Candidate Starts for Zavala_69:

(Start: 165 @44194 has 167 MA's), (195, 44284), (237, 44380), (247, 44404),

Gene: Zelink_53 Start: 45222, Stop: 45467, Start Num: 161

Candidate Starts for Zelink_53:

(Start: 161 @45222 has 154 MA's), (185, 45285), (195, 45315), (196, 45318), (219, 45378), (222, 45381), (223, 45384),

Gene: Zenon_41 Start: 36400, Stop: 36645, Start Num: 157

Candidate Starts for Zenon_41:

(124, 36358), (Start: 157 @36400 has 9 MA's), (172, 36421), (Start: 176 @36442 has 2 MA's), (185, 36469), (228, 36568), (230, 36571), (232, 36574), (251, 36625),

Gene: Zeta1847_35 Start: 25236, Stop: 25493, Start Num: 149

Candidate Starts for Zeta1847_35:

(1, 24102), (2, 24135), (3, 24270), (60, 25080), (Start: 149 @25236 has 23 MA's), (Start: 176 @25275 has 2 MA's),

Gene: Zeuska_67 Start: 44044, Stop: 43775, Start Num: 120

Candidate Starts for Zeuska_67:

(Start: 118 @44047 has 30 MA's), (Start: 120 @44044 has 109 MA's), (Start: 125 @44032 has 5 MA's), (190, 43942), (197, 43921), (210, 43891), (218, 43861),

Gene: Zhengyi_9 Start: 6127, Stop: 5798, Start Num: 110

Candidate Starts for Zhengyi_9:

(Start: 110 @6127 has 22 MA's), (143, 6073), (192, 5974), (214, 5905), (223, 5881), (246, 5836),

Gene: ZhongYanYuan_31 Start: 28288, Stop: 28509, Start Num: 179

Candidate Starts for ZhongYanYuan_31:

(Start: 160 @28243 has 62 MA's), (Start: 179 @28288 has 6 MA's), (196, 28339), (255, 28477), (262, 28498),

Gene: Ziko_119 Start: 57052, Stop: 57291, Start Num: 171

Candidate Starts for Ziko_119:

(Start: 171 @57052 has 6 MA's), (211, 57175), (241, 57247), (242, 57250),

Gene: ZoeJ_68 Start: 45471, Stop: 45716, Start Num: 165

Candidate Starts for ZoeJ_68:

(104, 45414), (108, 45420), (Start: 165 @45471 has 167 MA's), (195, 45561), (210, 45597), (219, 45630),

Gene: Zooman_18 Start: 8314, Stop: 8547, Start Num: 166

Candidate Starts for Zooman_18:

(Start: 166 @8314 has 2 MA's), (189, 8389), (253, 8536),

Gene: Zooman_185 Start: 110949, Stop: 110695, Start Num: 162

Candidate Starts for Zooman_185:

(122, 110997), (Start: 162 @110949 has 110 MA's),

Gene: Zooman_331 Start: 183965, Stop: 184198, Start Num: 166

Candidate Starts for Zooman_331:

(Start: 166 @183965 has 2 MA's), (189, 184040), (253, 184187),

Gene: xkcd_38 Start: 33304, Stop: 33549, Start Num: 161

Candidate Starts for xkcd_38:

(Start: 161 @33304 has 154 MA's), (184, 33361), (195, 33394), (197, 33400), (216, 33454), (222, 33466),