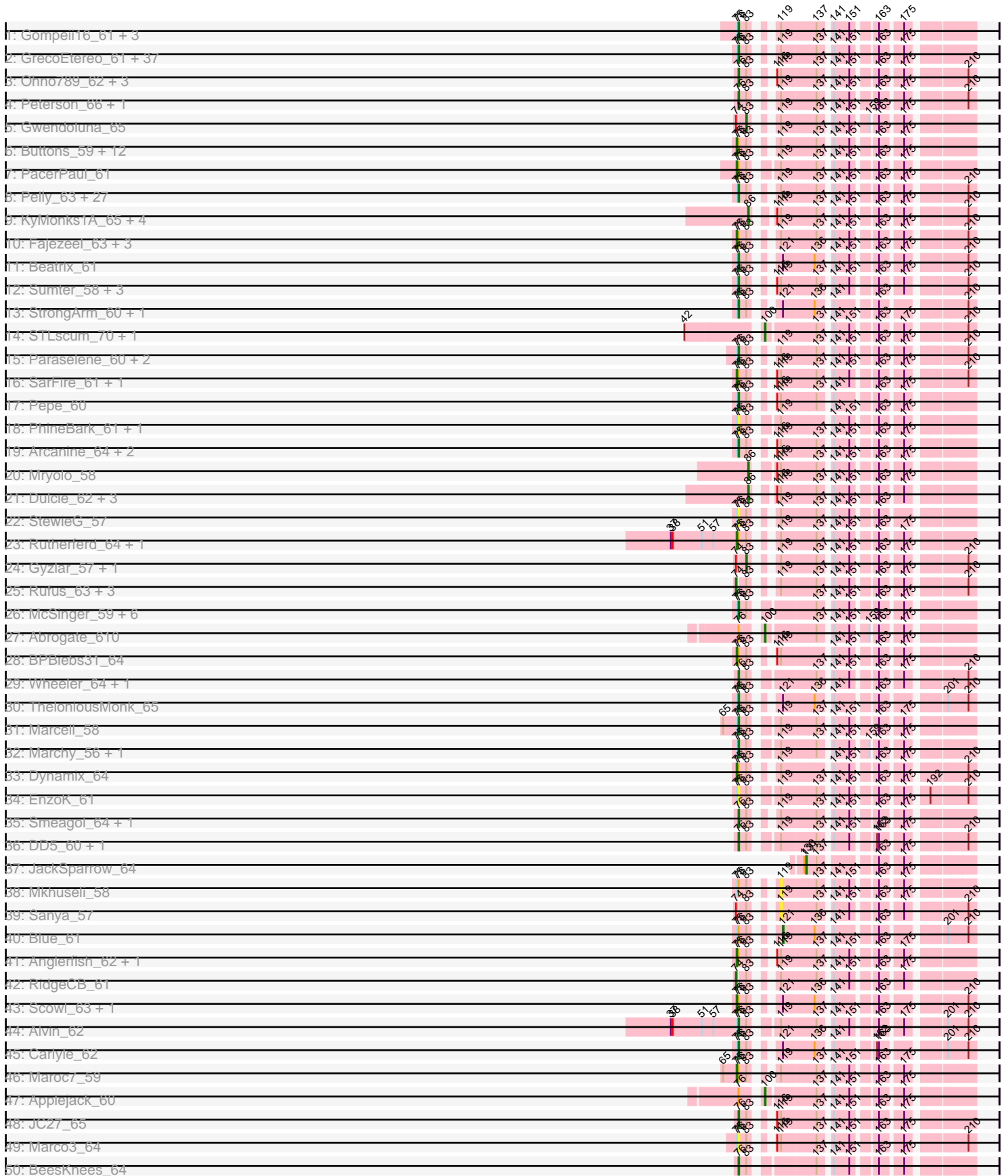
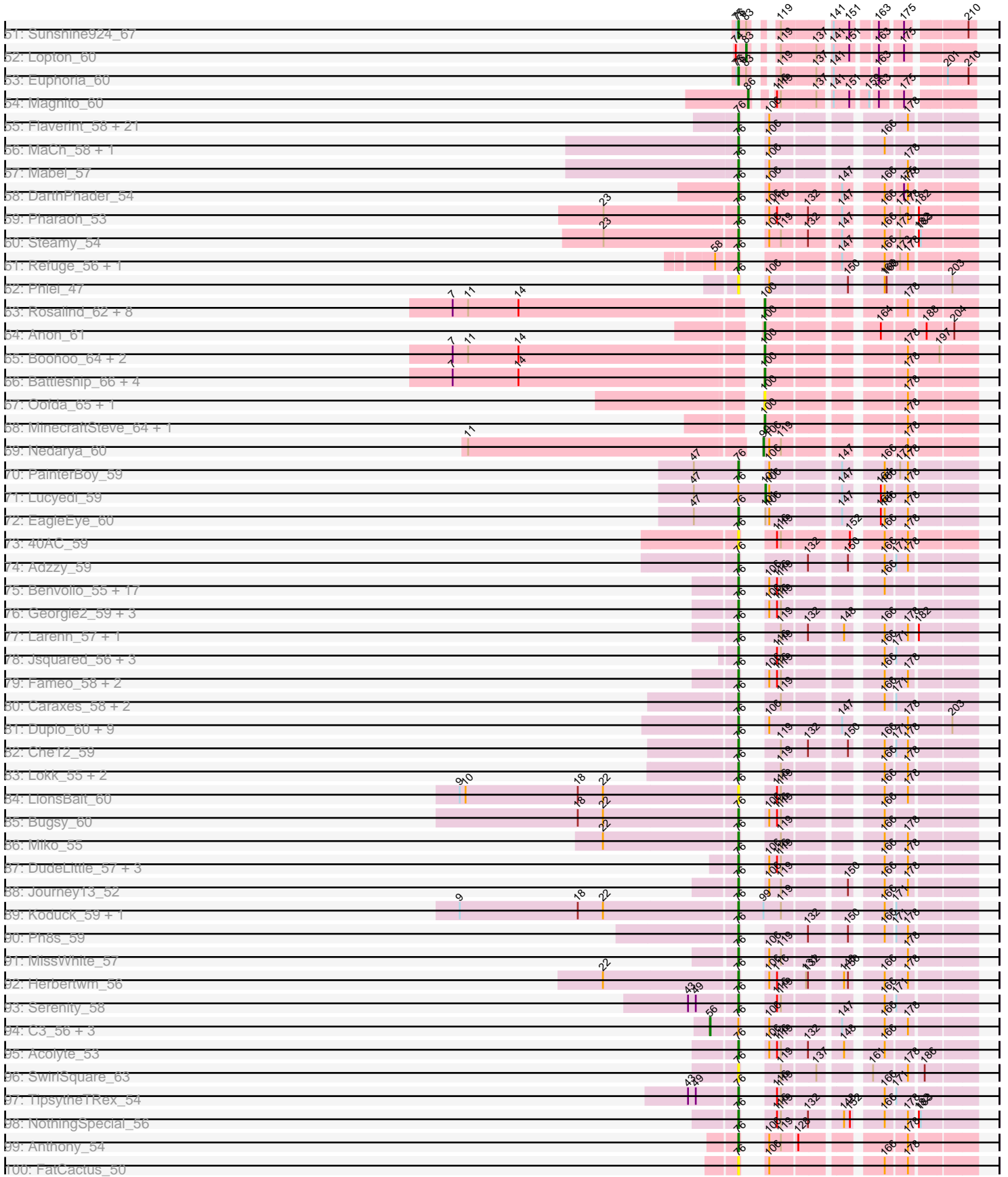


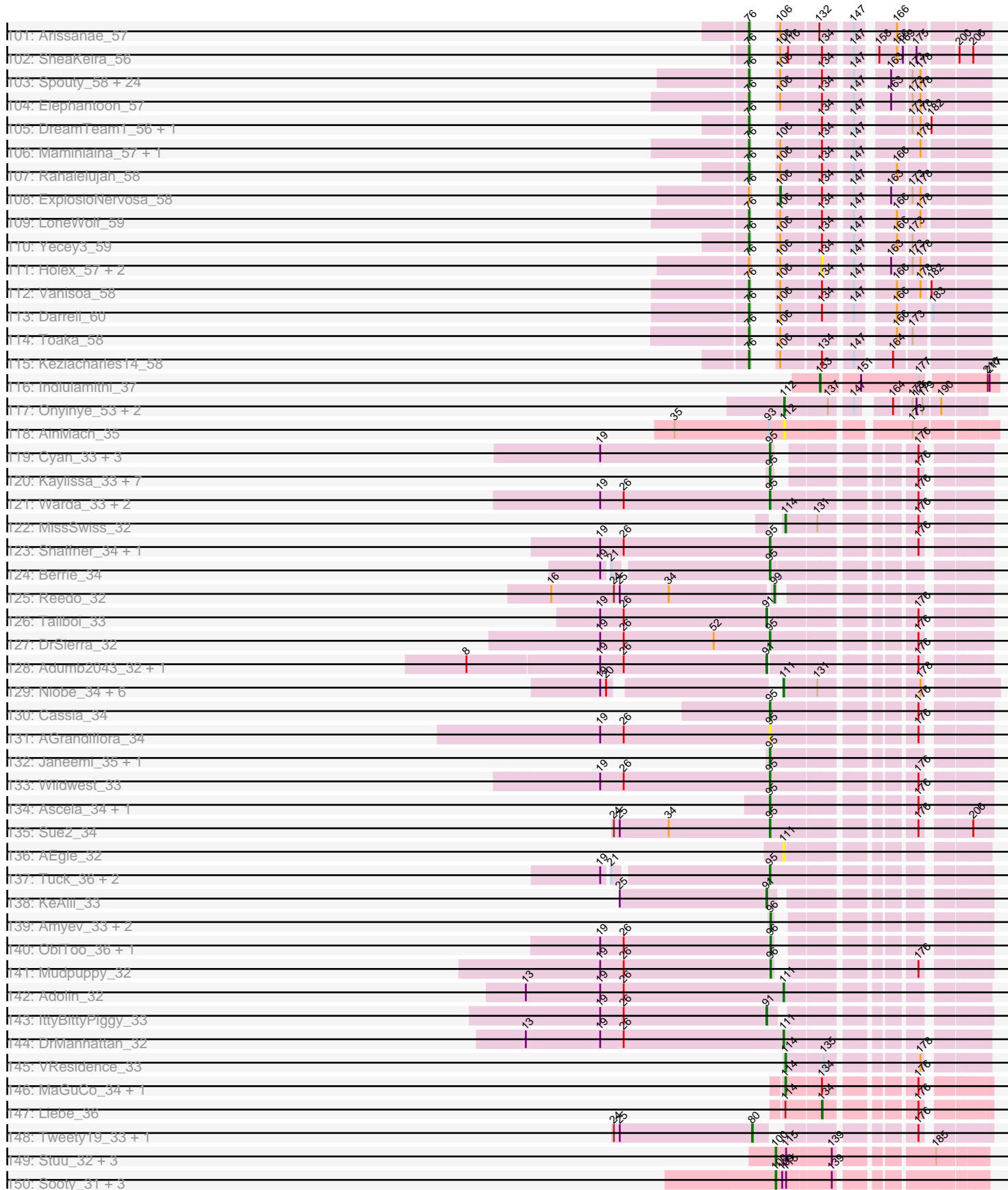
Pham 224117



Pham 224117



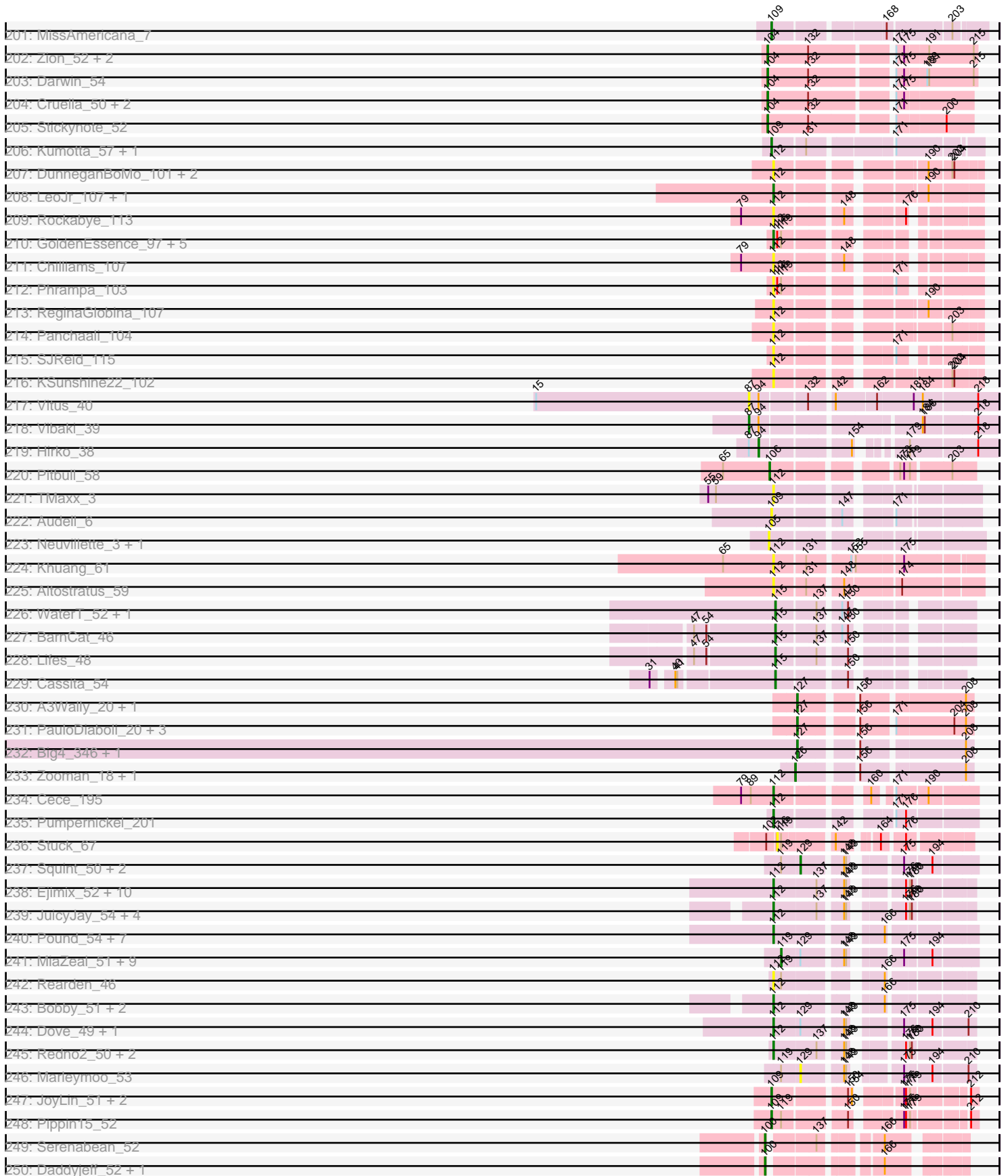
Pham 224117



Pham 224117



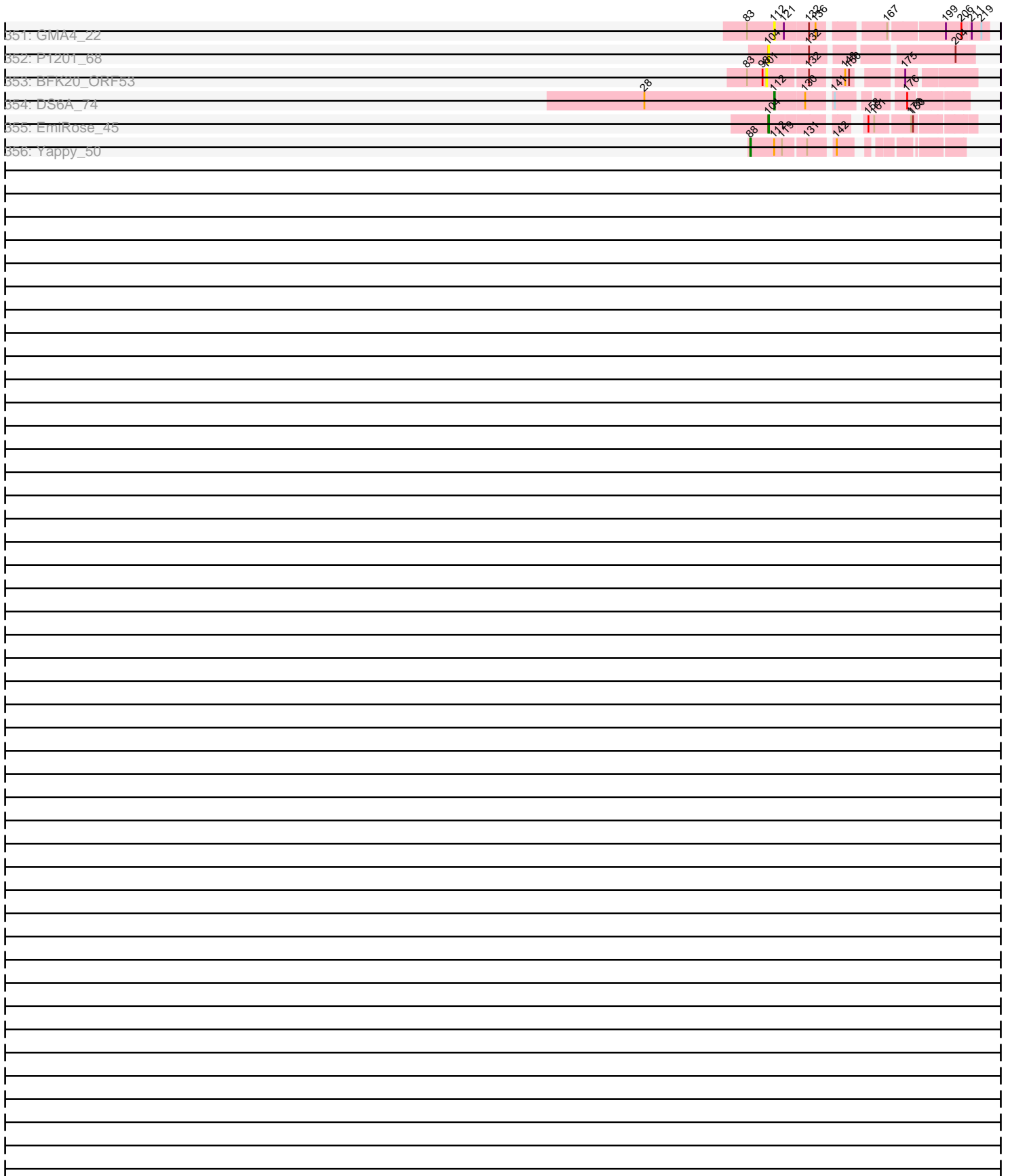
Pham 224117



Pham 224117



Pham 224117



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 224117 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224117 has 1108 members, 160 are drafts.

Phages represented in each track:

- Track 1 : Gompeii16_61, Bircsak_61, Agaliana_56, Francis47_60
- Track 2 : GrecoEtereo_61, Swole_63, Marge_59, Hami1_57, Phlippers_58, BarrowTuph_62, Ashballer_65, QTRLifeCrisis_62, A6_54, ConceptII_64, BK1_54, Violet_60, Sagefire_64, Smairt_64, Abbyshoes_63, BigPaolini_59, Rajelicia_62, Gandalf20_64, Dussy_62, Chanagan_56, CactusRose_62, Perseus_61, Mule_59, Nerujay_64, JuliaChild_63, PascalRango_60, Doom_60, LilBib_62, Edtherson_61, PSullivan_60, Licorice_63, BaconJack_66, LunarLander_64, Hermia_60, Tote_58, Bigfoot_54, Norz_62, Ciao_60
- Track 3 : Ohno789_62, Dreamboat_63, PherrisBueller_61, Jasper_62
- Track 4 : Peterson_66, Lesedi_58
- Track 5 : Gwendoluna_65
- Track 6 : Buttons_59, Kenmech_65, HarryOW_60, KSSJEB_62, Papez_64, Pippin_62, Pita2_63, PattyP_64, Fushigi_58, Espresso_59, Aeneas_65, Fascinus_56, PhrostyMug_62
- Track 7 : PacerPaul_61
- Track 8 : Pelly_63, Homines_54, SpikeBT_60, Burton_63, MaryBeth_60, Jerm2_64, Corvo_63, MrGordo_64, PinkPlastic_62, GageAP_63, Alsfro_68, Barriga_65, Bxb1_56, Petruccio_62, Niza_64, NEHalo_59, Ajay_62, Graduation_66, Froghopper_60, Big3_63, MetalQZJ_59, Ichabod_66, Target_64, AFIS_58, Dexes_62, Hope4ever_63, Jorgensen_65, Solon_61
- Track 9 : KyMonks1A_65, Sorpresa_59, Sandaddy_58, Tripl3t_65, Magnar_60
- Track 10 : Fajezeel_63, Acme_64, Greg_63, Lamina13_66
- Track 11 : Beatrix_61
- Track 12 : Sumter_58, Turj99_60, Thor_61, Pari_65
- Track 13 : StrongArm_60, Bexan_59
- Track 14 : STLscum_70, Ringer_62
- Track 15 : Paraselene_60, Iqorha_57, Inyanga_57
- Track 16 : SarFire_61, Bethlehem_61
- Track 17 : Pepe_60
- Track 18 : PhineBark_61, Levia_57
- Track 19 : Arcanine_64, Slagathor_64, TwoPeat_63
- Track 20 : Mryolo_58
- Track 21 : Dulcie_62, Ruotula_64, DrFeelGood_58, Traft412_64
- Track 22 : StewieG_57
- Track 23 : Rutherford_64, Rhynn_60
- Track 24 : Gyzlar_57, Rubeus_60
- Track 25 : Rufus_63, Makemake_64, Atkinbua_64, Pinto_62

- Track 26 : McSinger_59, ILeeKay_64, ShortQueendom_54, Bigchungu_60, Kanely_63, Altman_64, Snazzy_60
- Track 27 : Abrogate_610
- Track 28 : BPBiebs31_64
- Track 29 : Wheeler_64, Michley_65
- Track 30 : TheloniousMonk_65
- Track 31 : Marcell_58
- Track 32 : Marchy_56, Payneful_60
- Track 33 : Dynamix_64
- Track 34 : EnzoK_61
- Track 35 : Smeagol_64, Teodoridan_60
- Track 36 : DD5_60, Lockley_59
- Track 37 : JackSparrow_64
- Track 38 : Mkhuseleli_58
- Track 39 : Sanya_57
- Track 40 : Blue_61
- Track 41 : Anglerfish_62, Manatee_62
- Track 42 : RidgeCB_61
- Track 43 : Scowl_63, KBG_63
- Track 44 : Alvin_62
- Track 45 : Carlyle_62
- Track 46 : Maroc7_59
- Track 47 : Applejack_60
- Track 48 : JC27_65
- Track 49 : Marco3_64
- Track 50 : BeesKnees_64
- Track 51 : Sunshine924_67
- Track 52 : Lopton_60
- Track 53 : Euphoria_60
- Track 54 : Magnito_60
- Track 55 : Flaverint_58, Bud_57, Mulciber_57, Hutc2_57, Jabith_58, Munch_58, Orange_57, Insomnia_58, TinyTimmy_57, Et2Brutus_56, Ebony_57, Fibonacci_57, Bowtie_58, Joselito_58, Sham4_57, Snape_57, Gilberta_58, Salz_56, Timothy_57, Aneem_58, Lucivia_58, Petersenfast_56
- Track 56 : MaCh_58, Bachome_59
- Track 57 : Mabel_57
- Track 58 : DarthPhader_54
- Track 59 : Pharaoh_53
- Track 60 : Steamy_54
- Track 61 : Refuge_56, Zimmer_55
- Track 62 : Phlei_47
- Track 63 : Rosalind_62, Looper_63, Remus_64, LastResort_62, Epsocamisio_61, Waits_64, JSwag_63, Strosahl_64, ReMo_62
- Track 64 : Anon_61
- Track 65 : Boohoo_64, Anaysia_64, Nebulosus_62
- Track 66 : Battleship_66, ShayRa_64, Soups_64, Switzerland_63, DekHockey33_65
- Track 67 : Oofda_65, Warrior24_67
- Track 68 : MinecraftSteve_64, KatherineG_64
- Track 69 : Nedarya_60
- Track 70 : PainterBoy_59
- Track 71 : Lucyedi_59
- Track 72 : EagleEye_60
- Track 73 : 40AC_59

- Track 74 : Adzzy_59
- Track 75 : Benvolio_55, ChipMunk_60, FiringLine_58, Echild_58, Power_57, EvilGenius_60, Jerm_60, Dignity_60, Whabigail7_59, Leviathan_60, Agape74_60, Smeagan_61, SnapTap_58, LilTurb_59, SemperFi_59, Crucio_58, KingCyrus_60, QueenBeesly_58
- Track 76 : Georgie2_59, AbbyPaige_60, SweetiePie_58, Turbido_59
- Track 77 : Larenn_57, Malec_58
- Track 78 : Jsquared_56, Quokka_56, Bradman_57, MajorMajor_57
- Track 79 : Fameo_58, QueenB2_57, Heffalump_57
- Track 80 : Caraxes_58, Odin_56, Superchunk_56
- Track 81 : Duplo_60, DBQu4n_60, StarStuff_60, Kerberos_60, D32_59, Travvers_60, Naji_60, D29_56, Pomar16_60, Tomathan_60
- Track 82 : Che12_59
- Track 83 : Lokk_55, Rachaly_57, BobSwaget_54
- Track 84 : LionsBait_60
- Track 85 : Bugsy_60
- Track 86 : Miko_55
- Track 87 : DudeLittle_57, Anselm_59, Dalmatian_59, Retro23_59
- Track 88 : Journey13_52
- Track 89 : Koduck_59, L5_56
- Track 90 : Ph8s_59
- Track 91 : MissWhite_57
- Track 92 : Herbertwm_56
- Track 93 : Serenity_58
- Track 94 : C3_56, VC3_61, AN9_61, ANI8_61
- Track 95 : Acolyte_53
- Track 96 : SwirlSquare_63
- Track 97 : TipsytheTRex_54
- Track 98 : NothingSpecial_56
- Track 99 : Anthony_54
- Track 100 : FatCactus_50
- Track 101 : Arissanae_57
- Track 102 : SheaKeira_56
- Track 103 : Spouty_58, RyeScarlet_59, Onglai_56, Beemo_58, Eidsmoe_58, Conquerage_58, Scherzo_58, Fayely_58, Lilleskat_56, Priya_58, Myxus_58, HortumSL17_58, Catalina_59, Aliter_58, Qobbit_58, Ugenie5_55, Alma_58, Pioneer_58, Phonnegut_58, Phaeder_58, Sachima_55, EmyBug_57, Jiawan_56, Tubs_58, PackMan_57
- Track 104 : Elephantoon_57
- Track 105 : DreamTeam1_56, Charm_56
- Track 106 : Maminiaina_57, BogosyJay_57
- Track 107 : Rahalelujah_58
- Track 108 : ExplosioNervosa_58
- Track 109 : LoneWolf_59
- Track 110 : Yecey3_59
- Track 111 : Horex_57, EdogawaKiddo_56, Hanray_56
- Track 112 : Vanisoa_58
- Track 113 : Darrell_60
- Track 114 : Toaka_58
- Track 115 : Keziacharles14_58
- Track 116 : Indulamithi_37
- Track 117 : Onyinye_53, Leopard_52, Aikoy_52
- Track 118 : AinMach_35

- Track 119 : Cyan_33, Joemato_33, JohnDoe_33, Simpson_35
- Track 120 : Kaylissa_33, Nitro_33, JuneStar_33, Pumpkins_33, TforTroy_34, YesChef_33, Lizalica_32, Powerpuff_35
- Track 121 : Warda_33, Tutumahutu_33, Tbone_32
- Track 122 : MissSwiss_32
- Track 123 : Shaffner_34, Yang_33
- Track 124 : Berrie_34
- Track 125 : Reedo_32
- Track 126 : Tallboi_33
- Track 127 : DrSierra_32
- Track 128 : Adumb2043_32, Turab_32
- Track 129 : Niobe_34, Eraser_34, Jstan_36, Elezi_34, Asa16_34, Subaru_35, London_34
- Track 130 : Cassia_34
- Track 131 : AGrandiflora_34
- Track 132 : Janeemi_35, Lego_33
- Track 133 : Wildwest_33
- Track 134 : Ascela_34, Iter_34
- Track 135 : Sue2_34
- Track 136 : AEgle_32
- Track 137 : Tuck_36, Phives_35, Community_34
- Track 138 : KeAlii_33
- Track 139 : Amyev_33, Tian_33, Pixelle_33
- Track 140 : ObiToo_36, Crewmate_37
- Track 141 : Mudpuppy_32
- Track 142 : Adolin_32
- Track 143 : IttyBittyPiggy_33
- Track 144 : DrManhattan_32
- Track 145 : VResidence_33
- Track 146 : MaGuCo_34, Maureen_36
- Track 147 : Liebe_36
- Track 148 : Tweety19_33, Snek_33
- Track 149 : Stuu_32, Giorgio_31, Mysterium_31, Gumpizza_31
- Track 150 : Sooty_31, Gambol_31, Cappuccino_31, Sabourin_32
- Track 151 : Kalimba_31
- Track 152 : Donkey_31
- Track 153 : Moss_31
- Track 154 : Beaupre_32, Ashes_31, Halsey_31
- Track 155 : SpecialK_31
- Track 156 : RockScotty_31
- Track 157 : Thonko_81
- Track 158 : ScoobyDoobyDoo_73
- Track 159 : Greely_81, Phabba_83
- Track 160 : Myrna_77
- Track 161 : PhinkBoden_125, Bachita_128, Cucurbita_126, Toniann_125, Engineer_127
- Track 162 : Geeche_123, Miskis_120, Culver_125, Norvs_124, Aphelion_125, Abscondus_124, Dusty_121, ClubL_125, Lozinak_125, Smoothie_126
- Track 163 : WilliamBoone_123
- Track 164 : OneUp_110
- Track 165 : BrutonGaster_100
- Track 166 : Banquo_62
- Track 167 : Goib_64, Splinter_63, TZGordon_64, Vendetta_63

- Track 168 : DinoDaryn_63, Huffy_63
- Track 169 : TinaLin_62
- Track 170 : Gspu1_55
- Track 171 : Dardanus_57
- Track 172 : Schmidt_57
- Track 173 : Catfish_63
- Track 174 : JonJames_133, Yvonnetastic_129
- Track 175 : Cardigan_134
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- Track 177 : Bantam_85, SpeedDemon_860
- Track 178 : Mollymur_85
- Track 179 : Daredevil_75, Towmatter_78
- Track 180 : CherryTomatoes_78, SCentae_76, Pupper_77
- Track 181 : Skog_140
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- Track 183 : Fryberger_117, Ronaldo_118, Ziko_119, Guey18_121, Volt_121
- Track 184 : Stark_38, Maxxinista_38, Moldemort_38, Emmina_38, Tarkin_39, Gage_39, StormChicken_37, HufflyPuff_36, Petra64142_39, FireRed_37, Hopey_39, Rakim_38, Czyszczo1_38, StellaBean_37, Elph10_38, TBrady12_39, Buck_36, Kostya_38, FoghornLeghorn_36, Kanye_39, Adnama_40, TeardropMSU_36, Thresher_38, GoldenSpark_39, Sassay_36, 244_39, BugsBunny_35, Argent26_39, HanKaySha_38, MISSy_36, Manda_38, Nimrod_37, Asriel_36, MadamMonkfish_37, Easy2Say_39, BilboSwaggins_37, Myrale_37, Dumbo_37, Becksu_37, SophKB_37, YassJohnny_38, GooberAzure_39, Miniwave_37, RiverMonster_37, PhatBacter_37, Highbury_38, Command613_38, JeTaime_39, Icee_36, MPhalcon_36, CrystalP_37, Kimchi_39, Saints25_38, StolenFromERC_39, Bask21_37, Stank_40, Tuco_38, Quallification_38, Palpatine_37, NoSleep_38, Traaww1_35, Cactus_38, Lilac_39, Filch_38, Barbarian_36, Phaux_36, Sotrice96_37, NelitzaMV_37, Terminus_37, AmericanBeauty_39, Goldilocks_38, Murphy_38, Bench_39, Gator_35, Phrux_37, Simpliphy_38, Hoonter_39, Elite2014_36, Misfit_37, Wiggin_40, Lilizi_39, Ukulele_37, ChosenOne_37, ABCat_36, Bruin_37, Xandras_39, Willez_36, Toto_37, DrDrey_38, Paperbeatsrock_39, Gemini_40, Cjw1_37, Policronamos_37, Thimble_37, Nala_37, Marshmallow_37, ShamWow_37, Porky_37, Teaspoon_38, Pumpkin_39, Lilpickle_36, xkcd_38, OrionPax_38, Inca_36, Rimmer_36, Pharsalus_38, Murica_36
- Track 185 : Harella_36, Tomaszewski_36, SirDuracell_36, Glexan_35, ChotaBhai_37, Daikon_36, Youngblood_37, Balomoji_36, BadStone_36, Contagion_36, Mindy_37, Dusk_36, Flypotenuse_35, Mosby_36, Amao_37, BigBubba_38, Pat3_36, DoctorDiddles_37, Holt_38, Cookies_37, Henry_38
- Track 186 : FairyPath_37, Phaja_37, IHOP_37, ShereKhan_39
- Track 187 : BaboJay_37, Eureka_38, Goku_38
- Track 188 : GardenState_42, IAmGroot_42
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- Track 201 : MissAmericana_7
- Track 202 : Zion_52, PotatoChip_52, PeteyPab_51
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- Track 206 : Kumotta_57, MargaretKali_53
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- Track 216 : KSunshine22_102
- Track 217 : Vitus_40
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- Track 220 : Pitbull_58
- Track 221 : TMaxx_3
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- Track 223 : Neuvillette_3, AnnabelLee_3
- Track 224 : Khuang_61
- Track 225 : Altostratus_59
- Track 226 : WaterT_52, LeeroyJenkins_54
- Track 227 : BarnCat_46
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- Track 229 : Cassita_54
- Track 230 : A3Wally_20, A3Wally_373
- Track 231 : PauloDiaboli_20, PauloDiaboli_375, Dodo_371, Dodo_21
- Track 232 : Big4_346, Big4_20
- Track 233 : Zooman_18, Zooman_331
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- Track 235 : Pumpernickel_201
- Track 236 : Stuck_67
- Track 237 : Squint_50, Gonephishing_53, Shaboozey_44
- Track 238 : Ejimix_52, Halley_52, HokkenD_45, EricMillard_52, Beem_52, Bagrid_51, Yeet_50, ThreeRngTarjay_50, Kalah2_52, Hughesyang_50, BAKA_56
- Track 239 : JuicyJay_54, Klein_52, DmpstrDiver_53, Schatzie_49, Odette_52
- Track 240 : Pound_54, Minerva_58, Wanda_58, Bombitas_49, NihilNomen_51, Duke13_55, Optimus_57, Phoebus_51
- Track 241 : MiaZeal_51, Omega_56, Porcelain_50, Lucky2013_51, Ariel_51, LittleE_56, Thibault_45, Courthouse_51, Nekros_50, Superphikiman_51
- Track 242 : Rearden_46
- Track 243 : Bobby_51, Hannaconda_48, KashFlow_45
- Track 244 : Dove_49, Constella_44
- Track 245 : Redno2_50, Dallas_54, Zelink_53
- Track 246 : Marleymoo_53
- Track 247 : JoyLin_51, Eevee_51, Yotsuba_51
- Track 248 : Pippin15_52
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- Track 250 : Daddyjeff_52, AddiRose_51
- Track 251 : Sweetclover_49
- Track 252 : Tachez_66, Zavala_69, CaseJules_68, DrHayes_67, Ramen_67, Emerson_68, Pokerus_66, Spock_66, Rosmarinus_66, Lunahalos_66, ActinUp_66, Joy99_66, Padpat_69, Peel_66, Belladonna_66, Padfoot_66, Angelica_66, Jayhawk_68, CallaLilly_68, Jeckyll_66, HedwigODU_66, Geraldini_69, Veliki_68, Hyperbowlee_66, BGIlluviae_66, Inky_66, TiniBug_67, Blizzard_66, Llorens_66, Zabiza_61, Rapunzel97_68, Deby_67, YoureAdopted_66, Piatt_66, Beezoo_68, Mynx_68, Asayake_66, Ganymede_66, MacKat_62, AlishaPH_66, BEEST_66, Homura_66, Twitch_66, Jarvi_66, Adephagia_66, Dalmuri_66, Urkel_67, BarrelRoll_67, TruffulaTree_67, Boiiii_66, Bella96_67, ShiaSurprise_67, JAWS_67, Durfee_66, Clipper_71, CREW_66, Atiba_67, QuincyRose_64, Capricorn_66, Sulley_66, SamuelLPlaqson_67, Slimphazie_67, MeaningOfLife_67, Adonis_66, Topper_66
- Track 253 : Niklas_69, Dartin_69, Shaobing_69, McMater_69, Peanam_69, Richo_69
- Track 254 : SgtBeansprout_56, Enkosi_57, Amelie_55, Nutello_55, Binglebops_55, Teejan_57, Mdavu_56, LilPharaoh_56, Torres_57, Nikao_58
- Track 255 : Efra2_72
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- Track 257 : TingHuaYa_70, LastHope_71
- Track 258 : TreyKay_68, LindNT_66, CrimD_68, Prithvi_68
- Track 259 : Curiosium_70
- Track 260 : Guanica15_71, Yunkel11_71
- Track 261 : Stinson_68, Devera_74, Murucutumbu_68, LaterM_67, Ageofdapage_70, Illumine_72, Dole_72
- Track 262 : Apocalypse_69
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- Track 264 : Scarlett_71, Oscar_70, KiSi_71
- Track 265 : TaiwanKao_69
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- Track 279 : TM4_67
- Track 280 : ShedlockHolmes_69, Hurricane_68, Lea83_69
- Track 281 : Pixie_67, TBond007_64
- Track 282 : MacnCheese_70
- Track 283 : TribbleTrouble_68, Pharb_67
- Track 284 : MissDaisy_67
- Track 285 : Gengar_60, Miryou_64, OkiRoe_61
- Track 286 : Edugator_59, Dadosky_62, Leston_60, Paola_60, Psycho_60, Guillsminger_61, Neighly_62, AlleyCat_62, Larva_61
- Track 287 : Kratio_58, Agent47_60, InvictusManeo_58, ViviJ_58, Collard_58

- Track 288 : SoSeph_61, Heftyboy_61, Feyre_63, Thyatira_63, Waterfoul_62
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- Track 298 : Ekdilam_63
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- Track 302 : Fefferhead_64
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- Track 306 : DirkDirk_30, Tyson_30
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- Track 309 : Tourach_32
- Track 310 : Underpass_32, Lewan_32, Rumpelstiltskin_32, Soap141_32, SoJulia_33, Hafay_32, Sarshaun_32, Kahlid_32
- Track 311 : DHan_32, Claus_32
- Track 312 : Archie_32, Bazzle_32
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- Track 315 : Rossetti_32
- Track 316 : Zakai_32
- Track 317 : 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 318 : LiyuLake_31, Ellson_31, DuncansLeg_31
- Track 319 : TriFive_31, Red305_31
- Track 320 : KirDoubleO7_29, BourbonZero_30
- Track 321 : Moostard_31, Jobypre_31
- Track 322 : Whirlwind_32
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- Track 325 : Kropertea_30, Chaser_30, DyoEdafos_31
- Track 326 : Douge_30
- Track 327 : FarmResident_30, Quby_30
- Track 328 : PYPDinur_30, BrainDrainer_31, Sheng711_30, Douzhi_30
- Track 329 : Aegeus_33, Baudelaire_33
- Track 330 : RoseMarie_41

- Track 331 : TyDawg_39, Skinny_40, LilhomieP_38, Diminimus_40, Glaske16_40, Bongo_39, Bricole_39, IPHane7_39, Dulcita_40, PegLeg_39
- Track 332 : FreakyGoo_40, Auspice_39, SlimJimmy_38, Izel_39, KleverKiS_40
- Track 333 : Reindeer_39
- Track 334 : GenevaB15_44, Aziz_44
- Track 335 : MrMagoo_44, GardenSalsa_44
- Track 336 : Rey_44
- Track 337 : Estes_45
- Track 338 : Nanosmite_44
- Track 339 : Panchino_48, Butters_53, Rubeelu_53, Kevin1_52
- Track 340 : BabeRuth_56, ShrimpFriedEgg_55, Jamie19_49, Redi_55, Andies_48, PhancyPhin_55, SpongeBob_49, Phrann_52, Nенаe_55, Purgamenstris_55, Raymond7_49, Hanako_55, Tapioca_52, Snekmaggedon_49
- Track 341 : Phloss_48, Tortoise12_50, Gex_50, Schnauzer_51, EGUnicorn_51, Magsby_50, Xerxes_50, Pipsqueaks_50, Carcharodon_50, Melville_53, Fulbright_49, Chewbacca_52, Parmesanjohn_50, Silvafighter_51, Duplicity_50, Smurph_50
- Track 342 : Shweta_51
- Track 343 : Charlie_51, Bosection6_49
- Track 344 : Riparian_40, Weiss13_40, Rope_40, Papyrus_40
- Track 345 : Zenon_41, Yelo_40, Nilo_41, Send513_40, Candle_40
- Track 346 : MontyDev_40
- Track 347 : Cosmo_53, Wildcat_53, EniyanLRS_50, Azrael100_52, MaryV_53
- Track 348 : Kumao_40
- Track 349 : Mbo4_60
- Track 350 : Footloose_59
- Track 351 : GMA4_22
- Track 352 : P1201_68
- Track 353 : BFK20_ORF53
- Track 354 : DS6A_74
- Track 355 : EmiRose_45
- Track 356 : Yappy_50

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

The start number called the most often in the published annotations is 76, it was called in 228 of the 948 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 40AC_59, A6_54, AFIS_58, AbbyPaige_60, Abbyshoes_63, Acolyte_53, Adzzy_59, Agaliana_56, Agape74_60, Ajay_62, Aliter_58, Alma_58, Alsfro_68, Altman_64, Alvin_62, Aneem_58, Anselm_59, Anthony_54, Arcanine_64, Arissanae_57, Ashballer_65, BK1_54, Bachome_59, BaconJack_66, Barriga_65, BarrowTuph_62, Beatrix_61, Beemo_58, BeesKnees_64, Benvolio_55, Bexan_59, Big3_63, BigPaolini_59, Bigchunggi_60, Bigfoot_54, Bircsak_61, BobSwaget_54, BogosyJay_57, Bowtie_58, Bradman_57, Bud_57, Buggy_60, Burton_63, Bxb1_56, CactusRose_62, Caraxes_58, Carlyle_62, Catalina_59, Chanagan_56, Charm_56, Che12_59, ChipMunk_60, Ciao_60, ConceptII_64, Conquerage_58, Corvo_63, Crucio_58, D29_56, D32_59, DBQu4n_60, DD5_60, Dalmatian_59, Darrell_60, DARTHPhader_54, Dexes_62, Dignity_60, Doom_60, DreamTeam1_56, Dreamboat_63, DudeLittle_57, Duplo_60, Dussy_62, EagleEye_60, Ebony_57,

Echild_58, Edtherson_61, Eidsmoe_58, Elephantoon_57, EmyBug_57, EnzoK_61, Et2Brutus_56, Euphoria_60, EvilGenius_60, Fameo_58, FatCactus_50, Fayely_58, Fibonacci_57, FiringLine_58, Flaverint_58, Francis47_60, Froghopper_60, GageAP_63, Gandalf20_64, Georgie2_59, Gilberta_58, Gompeii16_61, Graduation_66, GrecoEtereo_61, Hami1_57, Heffalump_57, Herbertwm_56, Hermia_60, Homines_54, Hope4ever_63, HortumSL17_58, Hutc2_57, ILeeKay_64, Ichabod_66, Insomnia_58, Inyanga_57, Iqorha_57, JC27_65, Jabith_58, Jasper_62, Jerm2_64, Jerm_60, Jiawan_56, Jorgensen_65, Joselito_58, Journey13_52, Jsquared_56, JuliaChild_63, Kanely_63, Kerberos_60, Keziacharles14_58, KingCyrus_60, Koduck_59, L5_56, Larenn_57, Lesedi_58, Levia_57, Leviathan_60, Licorice_63, LilBib_62, LilTurb_59, Lilleskat_56, LionsBait_60, Lockley_59, Lokk_55, LoneWolf_59, Lucivia_58, LunarLander_64, MaCh_58, Mabel_57, MajorMajor_57, Malec_58, Maminiaina_57, Marcell_58, Marchy_56, Marco3_64, Marge_59, MaryBeth_60, McSinger_59, MetalQZJ_59, Michley_65, Miko_55, MissWhite_57, MrGordo_64, Mulciber_57, Mule_59, Munch_58, Myxus_58, NEHalo_59, Naji_60, Nerujay_64, Niza_64, Norz_62, NothingSpecial_56, Odin_56, Ohno789_62, Onglai_56, Orange_57, PSullivan_60, PackMan_57, PainterBoy_59, Paraselene_60, Pari_65, PascalRango_60, Payneful_60, Pelly_63, Pepe_60, Perseus_61, Petersenfast_56, Peterson_66, Petruccio_62, Ph8s_59, Phaeder_58, Pharaoh_53, PherrisBueller_61, PhineBark_61, Phlei_47, Phlippers_58, Phonnegut_58, PinkPlastic_62, Pioneer_58, Pomar16_60, Power_57, Priya_58, QTRlifeCrisis_62, Qobbit_58, QueenB2_57, QueenBeesly_58, Quokka_56, Rachaly_57, Rahalelujah_58, Rajelicia_62, Refuge_56, Retro23_59, RyeScarlet_59, Sachima_55, Sagefire_64, Salz_56, Scherzo_58, SemperFi_59, Serenity_58, Sham4_57, SheaKeira_56, ShortQueendom_54, Slagathor_64, Smairt_64, Smeagan_61, Smeagol_64, SnapTap_58, Snape_57, Snazzy_60, Solon_61, SpikeBT_60, Spouty_58, StarStuff_60, Steamy_54, StewieG_57, StrongArm_60, Sumter_58, Sunshine924_67, Superchunk_56, SweetiePie_58, SwirlSquare_63, Swole_63, Target_64, Teodoridan_60, TheloniousMonk_65, Thor_61, Timothy_57, TinyTimmy_57, TipsytheTRex_54, Toaka_58, Tomathan_60, Tote_58, Travvers_60, Tubs_58, Turbido_59, Turj99_60, TwoPeat_63, Ugenie5_55, Vanisoa_58, Violet_60, Whabigail7_59, Wheeler_64, Yecey3_59, Zimmer_55,

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

- AN9_61, ANI8_61, Abrogate_610, Acme_64, Aeneas_65, Anglerfish_62, Applejack_60, BPBiebs31_64, BaghaKamala_66, Bern_68, Bethlehem_61, Blue_61, Buttons_59, C3_56, CheetoDust_66, Dynamix_64, EdogawaKiddo_56, Espresso_59, ExplosioNervosa_58, Fajezeel_63, Fascinus_56, Fushigi_58, Greg_63, Hanray_56, HarryOW_60, Halex_57, KBG_63, KSSJEB_62, Kenmech_65, Lamina13_66, Lucyedi_59, Manatee_62, Maroc7_59, Mkhusei_58, PacerPaul_61, Papez_64, PattyP_64, PhrostyMug_62, Pippin_62, Pita2_63, Rhynn_60, Rutherford_64, SarFire_61, Scowl_63, VC3_61,

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

- 244_39, A3Wally_20, A3Wally_373, ABCat_36, AEgle_32, AGrandiflora_34, Abscondus_124, Acquire49_30, ActinUp_66, AddiRose_51, Adephagia_66, Adnama_40, Adolin_32, Adonis_66, Adumb2043_32, Aegeus_33, Agent47_60, Ageofdapage_70, Aikoy_52, AinMach_35, AlishaPH_66, AlleyCat_62, Altostratus_59, Amao_37, Amelie_55, AmericanBeauty_39, Amohition_66, Amyev_33, Anaya_69, Anaysia_64, Andies_48, Angelica_66, AnnabelLee_3, Anon_61, Aphelion_125, Apocalypse_69, Applecrisp_65, Appletree2_30, Archie_32, Argent26_39, Ariel_51, Asa16_34, Asayake_66, Ascela_34, Ashes_31, Asriel_36, Atiba_67, Atkinbua_64, Atuin_102, Audell_6, Auspice_39, AvadaKedavra_30, Aziz_44, Azrael100_52,

BAKA_56, BEEST_66, BFK20_ORF53, BGlluviae_66, BabeRuth_56, BaboJay_37, Bachita_128, BadStone_36, Bagrid_51, Balomaji_36, Banquo_62, Bantam_85, Baoshan_31, Barbarian_36, BarnCat_46, Barnstormer_41, BarrelRoll_67, Bask21_37, Battleship_66, Baudelaire_33, Bazzle_32, Beaupre_32, Becksu_37, Beem_52, Beezoo_68, Bella96_67, Belladonna_66, Bellis_31, Bench_39, Berrie_34, Big4_20, Big4_346, BigBubba_38, BigCheese_32, Binglebops_55, BilboSwaggins_37, Blizzard_66, Bloom_112, Bobby_51, BobsGarage_32, Boiiii_66, Boilgate_63, Bombitas_49, Bongo_39, Boohoo_64, BoostSeason_69, Bosection6_49, BourbonZero_30, BrainDrainer_31, Breezona_32, Bricole_39, Bromden_32, Bruin_37, BrutonGaster_100, Bryler_70, Buck_36, BugsBunny_35, Butters_53, C3PO_50, CREW_66, Cactus_38, Cain_70, CallaLilly_68, Calm_30, Candle_40, Cappuccino_31, Capricorn_66, Carcharodon_50, Cardigan_134, Caron_44, CaseJules_68, Cassia_34, Cassita_54, Catfish_63, Cece_195, Cen1621_38, Charlie_51, Chaser_30, Chavito_69, CherryTomatoes_78, Chewbacca_52, Chilliams_107, ChosenOne_37, ChotaBhai_37, Chris_69, CicholasNage_30, Cjw1_37, Claus_32, Clautastrophe_31, Clipper_71, ClubL_125, Collard_58, Command613_38, Community_34, Constella_44, Contagion_36, Cookies_37, Cosmo_53, Count_87, Courthouse_51, Crewmate_37, CrimD_68, Crossroads_32, Cruella_50, CrystalP_37, Cucurbita_126, Culver_125, Curiosium_70, Cyan_33, Czystczon1_38, DHan_32, DS6A_74, Daddyjeff_52, Dadosky_62, Daikon_36, Dallas_54, Dalmuri_66, DanBing_31, Dardanus_57, Daredevil_75, DarthP_66, Dartin_69, Darwin_54, DatBoi_82, Deby_67, DekHockey33_65, Devera_74, Diminimus_40, DinoDaryn_63, DirkDirk_30, DismalFunk_69, DismalStressor_69, DmpstrDiver_53, DoctorDiddles_37, Dodo_21, Dodo_371, Dole_72, Donkey_31, Douge_30, Doughnut_70, Douzhi_30, Dove_49, DrDrey_38, DrFeelGood_58, DrHayes_67, DrManhattan_32, DrSeegs_32, DrSierra_32, Duke13_55, Dulcie_62, Dulcita_40, Dumbo_37, DuncansLeg_31, DunneganBoMo_101, Duplicity_50, Durfee_66, Dusk_36, Dusty_121, DyoEdafos_31, EGUnicorn_51, Easy2Say_39, Edugator_59, Eevee_51, Efra2_72, Ejimix_52, Ekdilam_63, Elezi_34, Elite2014_36, Ellewin_99, Ellie_62, Ellson_31, Elph10_38, Emerson_68, EmiRose_45, Emmina_38, Enceladus_30, Engineer_127, EniyanLRS_50, Enkosi_57, Epsocamisio_61, Eraser_34, EricMillard_52, Estes_45, Eureka_38, FairyPath_37, Faith1_32, FarmResident_30, Fefferhead_64, Feyre_63, Filch_38, Findley_69, Finemlucis_32, Finrny_31, FireRed_37, Floof_43, Flypotenuse_35, FoghornLeghorn_36, Footloose_59, FreakyGoo_40, Fryberger_117, Fulbright_49, GMA4_22, Gabriela_32, Gage_39, Gambol_31, Ganymede_66, Gardann_32, GardenSalsa_44, GardenState_42, Gator_35, Geeche_123, Gemini_40, GenevaB15_44, Gengar_60, Geraldini_69, Gex_50, Giorgio_31, Glaske16_40, Glexan_35, Goib_64, Goku_38, GoldenEssence_97, GoldenSpark_39, Goldilocks_38, Gonephishing_53, GooberAzure_39, Greely_81, Gretchen_42, Gsput1_55, Guanica15_71, Guey18_121, Guillsminger_61, Gumpizza_31, GuuelaD_32, Gwendoluna_65, Gyzlar_57, Hafay_32, Halena_30, Halley_52, Halsey_31, Hammy_66, HanKaySha_38, Hanako_55, Hannaconda_48, Harella_36, HedwigODU_66, Heftyboy_61, Henry_38, Highbury_38, Hirko_38, HokkenD_45, Holt_38, Homura_66, Honk_39, Hoonter_39, Hopey_39, HuffyPuff_36, Huffy_63, Hughesyang_50, Hurricane_68, Hyperbowlee_66, IAmGroot_42, IHOP_37, IPhane7_39, Icee_36, Illumine_72, Inca_36, Indlulamithi_37, Inky_66, InvictusManeo_58, Iter_34, Itos_32, IttyBittyPiggy_33, Izel_39, JAWS_67, JSwag_63, JackSparrow_64, Jamie19_49, Janeemi_35, Jarvi_66, Jayhawk_68, JeTaime_39, Jeckyll_66, Jobypre_31, JoeDirt_30, Joemato_33, JohnDoe_33, JonJames_133, Joy99_66, JoyLin_51, Jstan_36, Jubie_31, JuicyJay_54, JuneStar_33, KSunshine22_102, Kahlid_32, Kalah2_52, Kalimba_31, Kanye_39, KashFlow_45, KatherineG_64, Kaylissa_33, KeAlii_33, Keelan_118, Kevin1_52, Khuang_61, KiSi_71, Kikiko_7, Kimchi1738_51,

Kimchi_39, Kingsolomon_31, KirDoubleO7_29, Klein_52, KleverKiS_40, Kostya_38, Kratio_58, Kropertea_30, Krypton555_31, Kumao_40, Kumotta_57, KyMonks1A_65, Larva_61, LastHope_71, LastResort_62, LaterM_67, LeBron_30, LeMond_70, Lea83_69, LeeroyJenkins_54, Lego_33, LeoJr_107, Leopard_52, Leston_60, Lewan_32, Liebe_36, Lifes_48, LilDestine_32, LilPharaoh_56, Lilac_39, LilhomieP_38, Lilizi_39, Lilpickle_36, LindNT_66, LittleE_56, LiyuLake_31, Lizalica_32, Llorens_66, Loadrie_32, Lolly9_31, London_34, Looper_63, Lopton_60, Lozinak_125, Lucky2013_51, Lumos_31, Lunahalos_66, MAckerman_30, MISSy_36, MPhalcon_36, MaGuCo_34, Mabodamaca_42, MacKat_62, MacnCheese_70, MadamMonkfish_37, Magnar_60, Magnito_60, Magsby_50, Makemake_64, Manda_38, Marcoliusprime_69, MargaretKali_53, MarkPhew_69, Marleymoo_53, Marshawn_66, Marshmallow_37, MaryV_53, Maureen_36, Maxxinista_38, Mbo4_60, McMater_69, Mdavu_56, MeaningOfLife_67, Megsy_69, Melville_53, MiaZeal_51, Miley16_32, Milly_69, Mimi_108, Mindy_37, MinecraftSteve_64, Minerva_58, MiniLon_31, MiniMac_31, Miniwave_37, Miryou_64, Misfit_37, Miskis_120, MissAmericana_7, MissDaisy_67, MissSwiss_32, MkaliMitinis3_32, Moldemort_38, Mollymur_85, MontyDev_40, Moostard_31, Mosby_36, Moss_31, MrMagoo_44, Mryolo_58, MsGreen_31, Mudpuppy_32, Mufasa_69, Murica_36, Murphy_38, Murucutumbu_68, Mynx_68, Myrale_37, Myrna_77, Mysterium_31, Nala_37, Nanosmite_44, Nebulosus_62, Nedarya_60, Neighly_62, Nekros_50, NelitzaMV_37, Nenae_55, Netyap_32, Neuville_3, Nibb_69, Nicholas_31, Nicholasp3_32, NihilNomen_51, Nikao_58, Niklas_69, Nilo_41, Nimrod_37, Niobe_34, Nitro_33, NoSleep_38, Norvs_124, November_66, Nutello_55, ObiToo_36, Odette_52, OhShagHennessy_30, OkiRoe_61, Omega_56, Omnicron_64, OneUp_110, Onyinye_53, Oofda_65, Optimus_57, OrionPax_38, Oscar_70, P1201_68, PYPDinur_30, Padfoot_66, Padpat_69, Palpatine_37, Panchaali_104, Panchino_48, Paola_60, Paperbeatsrock_39, Papyrus_40, Parmesanjohn_50, Pat3_36, Patbob_109, PauloDiaboli_20, PauloDiaboli_375, Peanam_69, Peel_66, PegLeg_39, Percival_43, PeteyPab_51, Petra64142_39, Phabba_83, Phaja_37, PhancyPhin_55, Pharb_67, Pharsalus_38, PhatBacter_37, Phaux_36, PhelpsODU_68, PhinkBoden_125, Phives_35, Phloss_48, Phoebus_51, Phrampa_103, Phrank_70, Phrann_52, Phrux_37, Piatt_66, Pinto_62, Pippin15_52, Pipsqueaks_50, Pitbull_58, Pixelle_33, Pixie_67, Pokerus_66, Policronamos_37, Poochiewood_30, Porcelain_50, Porky_37, PotatoChip_52, Pound_54, Powerpuff_35, Prithvi_68, Psycho_60, Pumpernickel_201, Pumpkin_39, Pumpkins_33, Pupper_77, Purgamenstris_55, Quallification_38, Quby_30, QuincyRose_64, Racecar_109, Rakim_38, Ramen_67, Rando14_62, Rapunzel97_68, Raymond7_49, ReMo_62, Rearden_46, Red305_31, Redi_55, Redno2_50, Reedo_32, ReginaGlobina_107, Reindeer_39, Remus_64, Rey_44, Richo_69, RidgeCB_61, Rimmer_36, Ringer_62, Riparian_40, RiverMonster_37, RockScotty_31, Rockabye_113, Ronaldo_118, Rope_40, Rosalind_62, Rose5_30, RoseMarie_41, Rosmarinus_66, Rossetti_32, Rubeelu_53, Rubeus_60, Rufus_63, Rumpelstiltskin_32, Ruotula_64, SCentae_76, SJReid_115, STLscum_70, Sabourin_32, Saints25_38, Samty_31, SamuelLPlaqson_67, Sandaddy_58, Sanya_57, Sarshaun_32, Sassay_36, Scarlett_71, Schatzie_49, Schmidt_57, Schnauzer_51, ScoobyDoobyDoo_73, Send513_40, Serenabean_52, SgtBeansprout_56, Shaboozey_44, Shadow1_71, Shaffner_34, ShamWow_37, Shaobing_69, ShayRa_64, ShedlockHolmes_69, Sheng711_30, ShereKhan_39, ShiaSurprise_67, ShrimpFriedEgg_55, Shweta_51, Silvafighter_51, Silverleaf_30, Simpliphy_38, Simpson_35, SirDuracell_36, SirPhilip_66, Skinny_40, Skog_140, SlimJimmy_38, Slimphazie_67, Smoothie_126, Smurph_50, Snek_33, Snekmaggedon_49, Snenia_31, SoJulia_33, SoSeph_61, Soap141_32, Sooty_31, SophKB_37, Sorpresa_59, Sotrice96_37, Soups_64, SpecialK_31, SpeedDemon_860, Splinter_63, Spock_66, SpongeBob_49, Squint_50,

Stank_40, Stark_38, StellaBean_37, Stickynote_52, Stinson_68, StolenFromERC_39, StormChicken_37, Strobilo_70, Strosahl_64, Stuck_67, Stuu_32, SuMoo_44, Subaru_35, Sue2_34, Sulley_66, Sunflower1121_72, Superphikiman_51, Sweetclover_49, Switzerland_63, Syra333_70, TBond007_64, TBrady12_39, TClif_68, TM4_67, TMaxx_3, TZGordon_64, Tachez_66, TaiwanKao_69, Talia1610_108, Tallboi_33, Tapioca_52, Tarkin_39, Tbone_32, TeardropMSU_36, Teaspoon_38, Teejan_57, Terminus_37, TforTroy_34, Thibault_45, Thimble_37, Thonko_81, ThreeRngTarjay_50, Thresher_38, Thyatira_63, Tian_33, Tierra_70, TinaLin_62, TingHuaYa_70, TiniBug_67, Tiri_67, Tomaszewski_36, Toniann_125, Topper_66, Torres_57, Tortoise12_50, Toto_37, Tourach_32, Towmatter_78, Traaww1_35, Traft412_64, TreyKay_68, TriFive_31, TribbleTrouble_68, Tripl3t_65, TruffulaTree_67, Tuck_36, Tuco_38, Turab_32, Tutumahutu_33, Tweety19_33, Twitch_66, TyDawg_39, Tyson_30, UPIE_30, Ukulele_37, Underpass_32, Unicorn_68, Urkel_67, UtzChips_41, VResidence_33, Validus_71, Veliki_68, Vendetta_63, Vetric_32, Vibaki_39, Vitus_40, ViviJ_58, Volt_121, WaddleDee_101, Waits_64, Wamburgxpress_30, Wanda_58, Warda_33, Warrior24_67, WaterT_52, Waterfoul_62, Weiss13_40, Whirlwind_32, Wiggin_40, Wigglewiggle_32, Wildcat_53, Wilder_32, Wildwest_33, Willez_36, WilliamBoone_123, Winky_32, Wyatt2_30, Xandras_39, Xerxes_50, Ximenita_72, Yang_33, Yappy_50, YassJohnny_38, Yeet_50, Yelo_40, YesChef_33, Yotsuba_51, Youngblood_37, YoureAdopted_66, Yuna_71, Yunkel11_71, Yvonnestic_129, Zabiza_61, Zakai_32, Zaria_30, Zavala_69, Zelink_53, Zenon_41, Zeta1847_35, ZhongYanYuan_31, Ziko_119, Zion_52, ZoeJ_68, Zooman_18, Zooman_331, xkcd_38,

Summary by start number:

Start 56:

- Found in 4 of 1108 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AN9_61 (A2), ANI8_61 (A2), C3_56 (A2), VC3_61 (A2),

Start 74:

- Found in 10 of 1108 (0.9%) of genes in pham
- Manual Annotations of this start: 5 of 948
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Atkinbua_64 (A1), Makemake_64 (A1), Pinto_62 (A1), RidgeCB_61 (A1), Rufus_63 (A1),

Start 75:

- Found in 135 of 1108 (12.2%) of genes in pham
- Manual Annotations of this start: 29 of 948
- Called 21.5% of time when present
- Phage (with cluster) where this start called: Acme_64 (A1), Aeneas_65 (A1), Anglerfish_62 (A1), BPBiebs31_64 (A1), Bethlehem_61 (A1), Buttons_59 (A1), Dynamix_64 (A1), Espresso_59 (A1), Fajezeel_63 (A1), Fascinus_56 (A1), Fushigi_58 (A1), Greg_63 (A1), HarryOW_60 (A1), KBG_63 (A1), KSSJEB_62 (A1), Kenmech_65 (A1), Lamina13_66 (A1), Manatee_62 (A1), Maroc7_59 (A1), PacerPaul_61 (A1), Papez_64 (A1), PattyP_64 (A1), PhrostyMug_62 (A1), Pippin_62 (A1), Pita2_63 (A1), Rhynn_60 (A1), Rutherford_64 (A1), SarFire_61 (A1), Scowl_63 (A1),

Start 76:

- Found in 305 of 1108 (27.5%) of genes in pham
- Manual Annotations of this start: 228 of 948
- Called 85.2% of time when present
- Phage (with cluster) where this start called: 40AC_59 (A17), A6_54 (A1), AFIS_58 (A1), AbbyPaige_60 (A2), Abbysshoes_63 (A1), Acolyte_53 (A2), Adzzy_59 (A2), Agaliana_56 (A1), Agape74_60 (A2), Ajay_62 (A1), Aliter_58 (A9), Alma_58 (A9), Alsfro_68 (A1), Altman_64 (A1), Alvin_62 (A1), Aneem_58 (A11), Anselm_59 (A2), Anthony_54 (A20), Arcanine_64 (A1), Arissanae_57 (A9), Ashballer_65 (A1), BK1_54 (A1), Bachome_59 (A11), BaconJack_66 (A1), Barriga_65 (A1), BarrowTuph_62 (A1), Beatrix_61 (A1), Beemo_58 (A9), BeesKnees_64 (A1), Benvolio_55 (A2), Bexan_59 (A1), Big3_63 (A1), BigPaolini_59 (A1), Bigchunggi_60 (A1), Bigfoot_54 (A1), Bircsak_61 (A1), BobSwaget_54 (A2), BogosyJay_57 (A9), Bowtie_58 (A11), Bradman_57 (A2), Bud_57 (A11), Buggy_60 (A2), Burton_63 (A1), Bxb1_56 (A1), CactusRose_62 (A1), Caraxes_58 (A2), Carlyle_62 (A1), Catalina_59 (A9), Chanagan_56 (A1), Charm_56 (A9), Che12_59 (A2), ChipMunk_60 (A2), Ciao_60 (A1), Conceptll_64 (A1), Conquerage_58 (A9), Corvo_63 (A1), Crucio_58 (A2), D29_56 (A2), D32_59 (A2), DBQu4n_60 (A2), DD5_60 (A1), Dalmatian_59 (A2), Darrell_60 (A9), DARTHPhader_54 (A12), Dexes_62 (A1), Dignity_60 (A2), Doom_60 (A1), DreamTeam1_56 (A9), Dreamboat_63 (A1), DudeLittle_57 (A2), Duplo_60 (A2), Dussy_62 (A1), EagleEye_60 (A16), Ebony_57 (A11), Echild_58 (A2), Edtherson_61 (A1), Eidsmoe_58 (A9), Elephantoon_57 (A9), EmyBug_57 (A9), EnzoK_61 (A1), Et2Brutus_56 (A11), Euphoria_60 (A1), EvilGenius_60 (A2), Fameo_58 (A2), FatCactus_50 (A20), Fayely_58 (A9), Fibonacci_57 (A11), FiringLine_58 (A2), Flaverint_58 (A11), Francis47_60 (A1), Froghopper_60 (A1), GageAP_63 (A1), Gandalf20_64 (A1), Georgie2_59 (A2), Gilberta_58 (A11), Gompeii16_61 (A1), Graduation_66 (A1), GrecoEtereo_61 (A1), Hami1_57 (A1), Heffalump_57 (A2), Herbertwm_56 (A2), Hermia_60 (A1), Homines_54 (A1), Hope4ever_63 (A1), HortumSL17_58 (A9), Hutc2_57 (A11), ILeeKay_64 (A1), Ichabod_66 (A1), Insomnia_58 (A11), Inyanga_57 (A1), Iqorha_57 (A1), JC27_65 (A1), Jabith_58 (A11), Jasper_62 (A1), Jerm2_64 (A1), Jerm_60 (A2), Jiawan_56 (A9), Jorgensen_65 (A1), Joselito_58 (A11), Journey13_52 (A2), Jsquared_56 (A2), JuliaChild_63 (A1), Kanely_63 (A1), Kerberos_60 (A2), Keziacharles14_58 (A9), KingCyrus_60 (A2), Koduck_59 (A2), L5_56 (A2), Larenn_57 (A2), Lesedi_58 (A1), Levia_57 (A1), Leviathan_60 (A2), Licorice_63 (A1), LilBib_62 (A1), LilTurb_59 (A2), Lilleskat_56 (A9), LionsBait_60 (A2), Lockley_59 (A1), Lokk_55 (A2), LoneWolf_59 (A9), Lucivia_58 (A11), LunarLander_64 (A1), MaCh_58 (A11), Mabel_57 (A11), MajorMajor_57 (A2), Malec_58 (A2), Maminiaina_57 (A9), Marcell_58 (A1), Marchy_56 (A1), Marco3_64 (A1), Marge_59 (A1), MaryBeth_60 (A1), McSinger_59 (A1), MetalQZJ_59 (A1), Michley_65 (A1), Miko_55 (A2), MissWhite_57 (A2), MrGordo_64 (A1), Mulciber_57 (A11), Mule_59 (A1), Munch_58 (A11), Myxus_58 (A9), NEHalo_59 (A1), Naji_60 (A2), Nerujay_64 (A1), Niza_64 (A1), Norz_62 (A1), NothingSpecial_56 (A2), Odin_56 (A2), Ohno789_62 (A1), Onglai_56 (A9), Orange_57 (A11), PSullivan_60 (A1), PackMan_57 (A9), PainterBoy_59 (A16), Paraselene_60 (A1), Pari_65 (A1), PascalRango_60 (A1), Payneful_60 (A1), Pelly_63 (A1), Pepe_60 (A1), Perseus_61 (A1), Petersenfast_56 (A11), Peterson_66 (A1), Petruccio_62 (A1), Ph8s_59 (A2), Phaeder_58 (A9), Pharaoh_53 (A12), PherrisBueller_61 (A1), PhineBark_61 (A1), Phlei_47 (A13), Phlippers_58 (A1), Phonnegut_58 (A9), PinkPlastic_62 (A1), Pioneer_58 (A9), Pomar16_60 (A2), Power_57 (A2), Priya_58 (A9), QTRlifeCrisis_62 (A1), Qobbit_58 (A9), QueenB2_57 (A2), QueenBeesly_58 (A2), Quokka_56 (A2), Rachaly_57 (A2), Rahalelujah_58 (A9), Rajelicia_62 (A1), Refuge_56 (A12), Retro23_59 (A2), RyeScarlet_59 (A9), Sachima_55 (A9), Sagefire_64 (A1), Salz_56 (A11), Scherzo_58 (A9), SemperFi_59

(A2), Serenity_58 (A2), Sham4_57 (A11), SheaKeira_56 (A9), ShortQueendom_54 (A1), Slagathor_64 (A1), Smairt_64 (A1), Smeagan_61 (A2), Smeagol_64 (A1), SnapTap_58 (A2), Snape_57 (A11), Snazzy_60 (A1), Solon_61 (A1), SpikeBT_60 (A1), Spouty_58 (A9), StarStuff_60 (A2), Steamy_54 (A12), StewieG_57 (A1), StrongArm_60 (A1), Sumter_58 (A1), Sunshine924_67 (A1), Superchunk_56 (A2), SweetiePie_58 (A2), SwirlSquare_63 (A2), Swole_63 (A1), Target_64 (A1), Teodoridan_60 (A1), TheloniousMonk_65 (A1), Thor_61 (A1), Timothy_57 (A11), TinyTimmy_57 (A11), TipsytheTRex_54 (A2), Toaka_58 (A9), Tomathan_60 (A2), Tote_58 (A1), Travvers_60 (A2), Tubs_58 (A9), Turbido_59 (A2), Turj99_60 (A1), TwoPeat_63 (A1), Ugenie5_55 (A9), Vanisoa_58 (A9), Violet_60 (A1), Whabigail7_59 (A2), Wheeler_64 (A1), Yecey3_59 (A9), Zimmer_55 (A12),

Start 78:

- Found in 1 of 1108 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cen1621_38 (EH),

Start 80:

- Found in 3 of 1108 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 948
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Sneak_33 (AZ3), Tweety19_33 (AZ3),

Start 83:

- Found in 166 of 1108 (15.0%) of genes in pham
- Manual Annotations of this start: 5 of 948
- Called 3.0% of time when present
- Phage (with cluster) where this start called: Floof_43 (EH), Gwendoluna_65 (A1), Gyzlar_57 (A1), Lopton_60 (A1), Rubeus_60 (A1),

Start 86:

- Found in 11 of 1108 (1.0%) of genes in pham
- Manual Annotations of this start: 10 of 948
- Called 100.0% 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 87:

- Found in 3 of 1108 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Vibaki_39 (FL), Vitus_40 (FL),

Start 88:

- Found in 1 of 1108 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yappy_50 (singleton),

Start 90:

- Found in 1 of 1108 (0.1%) of genes in pham

- Manual Annotations of this start: 1 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Honk_39 (EH),

Start 91:

- Found in 5 of 1108 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 948
- 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 92:

- Found in 2 of 1108 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BrutonGaster_100 (CQ2), OneUp_110 (CQ2),

Start 94:

- Found in 3 of 1108 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Hirko_38 (FL),

Start 95:

- Found in 30 of 1108 (2.7%) of genes in pham
- Manual Annotations of this start: 26 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AGrandiflora_34 (AZ1), Ascela_34 (AZ1), Berrie_34 (AZ1), Cassia_34 (AZ1), Community_34 (AZ1), Cyan_33 (AZ1), DrSierra_32 (AZ1), Iter_34 (AZ1), Janeemi_35 (AZ1), Joemato_33 (AZ1), JohnDoe_33 (AZ1), JuneStar_33 (AZ1), Kaylissa_33 (AZ1), Lego_33 (AZ1), Lizalica_32 (AZ1), Nitro_33 (AZ1), Phives_35 (AZ1), Powerpuff_35 (AZ1), Pumpkins_33 (AZ1), Shaffner_34 (AZ1), Simpson_35 (AZ1), Sue2_34 (AZ1), Tbone_32 (AZ1), TforTroy_34 (AZ1), Tuck_36 (AZ1), Tutumahutu_33 (AZ1), Warda_33 (AZ1), Wildwest_33 (AZ1), Yang_33 (AZ1), YesChef_33 (AZ1),

Start 96:

- Found in 6 of 1108 (0.5%) of genes in pham
- Manual Annotations of this start: 5 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amyev_33 (AZ1), Crewmate_37 (AZ1), Mudpuppy_32 (AZ1), ObiToo_36 (AZ1), Pixelle_33 (AZ1), Tian_33 (AZ1),

Start 97:

- Found in 11 of 1108 (1.0%) of genes in pham
- Manual Annotations of this start: 10 of 948
- Called 90.9% of time when present
- Phage (with cluster) where this start called: Barnstormer_41 (EH), Caron_44 (EH), GardenState_42 (EH), Gretchen_42 (EH), IAmGroot_42 (EH), Mabodamaca_42 (EH), Percival_43 (EH), SuMoo_44 (EH), UtzChips_41 (EH), Zeta1847_35 (EH),

Start 98:

- Found in 18 of 1108 (1.6%) of genes in pham
- Manual Annotations of this start: 11 of 948
- Called 61.1% 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 99:

- Found in 23 of 1108 (2.1%) of genes in pham
- Manual Annotations of this start: 17 of 948
- Called 91.3% of time when present
- Phage (with cluster) where this start called: Abscondus_124 (CQ1), Aphelion_125 (CQ1), Bantam_85 (DL), Cardigan_134 (DD), ClubL_125 (CQ1), Culver_125 (CQ1), Daredevil_75 (DL), DatBoi_82 (DL), Dusty_121 (CQ1), Geeche_123 (CQ1), JonJames_133 (DD), Lozinak_125 (CQ1), Miskis_120 (CQ1), Mollymur_85 (DL), Nedarya_60 (A15), Norvs_124 (CQ1), Reedo_32 (AZ1), Smoothie_126 (CQ1), SpeedDemon_860 (DL), Towmatter_78 (DL), Yvonnetastic_129 (DD),

Start 100:

- Found in 47 of 1108 (4.2%) of genes in pham
- Manual Annotations of this start: 38 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abrogate_610 (A1), AddiRose_51 (JA), Anaysia_64 (A15), Anon_61 (A15), Applejack_60 (A1), Ashes_31 (AZ5), Battleship_66 (A15), Beaupre_32 (AZ5), Boohoo_64 (A15), Cappuccino_31 (AZ5), Daddyjeff_52 (JA), DekHockey33_65 (A15), Donkey_31 (AZ5), Epsocamisio_61 (A15), Footloose_59 (singleton), Gambol_31 (AZ5), Giorgio_31 (AZ5), Gumpizza_31 (AZ5), Halsey_31 (AZ5), JSwag_63 (A15), Kalimba_31 (AZ5), KatherineG_64 (A15), LastResort_62 (A15), Looper_63 (A15), MinecraftSteve_64 (A15), Moss_31 (AZ5), Mysterium_31 (AZ5), Nebulosus_62 (A15), Oofda_65 (A15), ReMo_62 (A15), Remus_64 (A15), Ringer_62 (A1), RockScotty_31 (AZ5), Rosalind_62 (A15), STLscum_70 (A1), Sabourin_32 (AZ5), Serenabean_52 (JA), ShayRa_64 (A15), Sooty_31 (AZ5), Soups_64 (A15), SpecialK_31 (AZ5), Strosahl_64 (A15), Stuu_32 (AZ5), Sweetclover_49 (JA), Switzerland_63 (A15), Waits_64 (A15), Warrior24_67 (A15),

Start 101:

- Found in 11 of 1108 (1.0%) of genes in pham
- Manual Annotations of this start: 7 of 948
- Called 72.7% of time when present
- Phage (with cluster) where this start called: BFK20_ORF53 (singleton), Bachita_128 (CQ1), Cucurbita_126 (CQ1), Engineer_127 (CQ1), Lucyedi_59 (A16), PhinkBoden_125 (CQ1), Toniann_125 (CQ1), WilliamBoone_123 (CQ1),

Start 102:

- Found in 2 of 1108 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Shweta_51 (N),

Start 103:

- Found in 2 of 1108 (0.2%) of genes in pham

- Manual Annotations of this start: 1 of 948
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Boilgate_63 (K8),

Start 104:

- Found in 22 of 1108 (2.0%) of genes in pham
- Manual Annotations of this start: 11 of 948
- Called 54.5% of time when present
- Phage (with cluster) where this start called: C3PO_50 (EN), Count_87 (EL), Cruella_50 (EN), Darwin_54 (EN), EmiRose_45 (singleton), Kimchi1738_51 (EN), Kumao_40 (singleton), P1201_68 (singleton), PeteyPab_51 (EN), PotatoChip_52 (EN), StickyNote_52 (EN), Zion_52 (EN),

Start 105:

- Found in 2 of 1108 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annabelle_3 (FR), Neuville_3 (FR),

Start 106:

- Found in 161 of 1108 (14.5%) of genes in pham
- Manual Annotations of this start: 36 of 948
- Called 23.6% of time when present
- Phage (with cluster) where this start called: Andies_48 (N), BabeRuth_56 (N), Boscione_49 (N), Butters_53 (N), Carcharodon_50 (N), Charlie_51 (N), Chewbacca_52 (N), Duplicity_50 (N), EGUunicorn_51 (N), ExplosioNervosa_58 (A9), Fulbright_49 (N), Gex_50 (N), Hanako_55 (N), Jamie19_49 (N), Kevin1_52 (N), Magsby_50 (N), Melville_53 (N), Nenia_55 (N), Panchino_48 (N), ParmesanJohn_50 (N), PhancyPhin_55 (N), Phloss_48 (N), Phrann_52 (N), Pipsqueaks_50 (N), Pitbull_58 (FQ), 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), Tortoise12_50 (N), Xerxes_50 (N),

Start 107:

- Found in 2 of 1108 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kikiko_7 (EM2), Rey_44 (M2),

Start 108:

- Found in 6 of 1108 (0.5%) of genes in pham
- Manual Annotations of this start: 6 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aziz_44 (M2), Estes_45 (M2), GardenSalsa_44 (M2), GenevaB15_44 (M2), MrMagoo_44 (M2), Nanosmite_44 (M3),

Start 109:

- Found in 17 of 1108 (1.5%) of genes in pham
- Manual Annotations of this start: 10 of 948
- Called 64.7% of time when present
- Phage (with cluster) where this start called: Audell_6 (FR), BaboJay_37 (E), Eevee_51 (JA), Eureka_38 (E), Goku_38 (E), JoyLin_51 (JA), Kumotta_57 (FB),

MargaretKali_53 (FB), MissAmericana_7 (EM2), Pippin15_52 (JA), Yotsuba_51 (JA),

Start 110:

- Found in 1 of 1108 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ScoobyDoobyDoo_73 (C2),

Start 111:

- Found in 123 of 1108 (11.1%) of genes in pham
- Manual Annotations of this start: 84 of 948
- Called 75.6% of time when present
- Phage (with cluster) where this start called: AEgle_32 (AZ1), Acquire49_30 (L1), Adolin_32 (AZ1), Appletree2_30 (L1), Archie_32 (L2), Asa16_34 (AZ1), AvadaKedavra_30 (L1), Banquo_62 (CU1), 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), Dardanus_57 (CU3), DinoDaryn_63 (CU1), Douge_30 (L4), DrManhattan_32 (AZ1), DrSeegs_32 (L2), DuncansLeg_31 (L3), DyoEdafos_31 (L4), Elezi_34 (AZ1), Ellson_31 (L3), Enceladus_30 (L1), Eraser_34 (AZ1), Faith1_32 (L2), Finemlucis_32 (L2), Finnry_31 (L3), Gabriela_32 (L2), Gardann_32 (L2), Goib_64 (CU1), GuuelaD_32 (L2), Halena_30 (L1), Huff_63 (CU1), Hurricane_68 (K3), Itos_32 (L2), JoeDirt_30 (L1), Jstan_36 (AZ1), Jubie_31 (L3), Kingsolomon_31 (L3), Kropertea_30 (L4), Krypton555_31 (L3), LeBron_30 (L1), Lea83_69 (K3), LilDestine_32 (L2), LiyuLake_31 (L3), Loadrie_32 (L2), Lolly9_31 (L3), London_34 (AZ1), Lumos_31 (L3), MAckerman_30 (L1), MacnCheese_70 (K3), Miley16_32 (L2), MiniLon_31 (L3), MiniMac_31 (L3), MkaliMitinis3_32 (L2), MsGreen_31 (L3), Netyap_32 (L2), Nicholas_31 (L3), Nicholasp3_32 (L2), Niobe_34 (AZ1), OhShagHennessy_30 (L1), Pharb_67 (K3), Pixie_67 (K3), Poochiewood_30 (L1), Rose5_30 (L1), Samty_31 (L3), ShedlockHolmes_69 (K3), Silverleaf_30 (L1), Snenia_31 (L3), Splinter_63 (CU1), Subaru_35 (AZ1), TBond007_64 (K3), TZGordon_64 (CU1), TinaLin_62 (CU1), Tourach_32 (L2), TripleTrouble_68 (K3), UPIE_30 (L1), Vendetta_63 (CU1), Vetrix_32 (L2), Wamburgexpress_30 (L1), Whirlwind_32 (L3), Wigglewiggles_32 (L2), Wilder_32 (L2), Winky_32 (L2), Wyatt2_30 (L1), Zakai_32 (L2), Zaria_30 (L1),

Start 112:

- Found in 226 of 1108 (20.4%) of genes in pham
- Manual Annotations of this start: 172 of 948
- Called 92.0% of time when present
- Phage (with cluster) where this start called: 244_39 (E), ABCat_36 (E), Adnama_40 (E), Aikoy_52 (AE), AinMach_35 (AZ), Altostratus_59 (FS), Amao_37 (E), AmericanBeauty_39 (E), Argent26_39 (E), Asriel_36 (E), Atuin_102 (FC), Auspice_39 (M1), Azrael100_52 (V), BAKA_56 (J), BadStone_36 (E), Bagrid_51 (J), Balomoji_36 (E), Barbarian_36 (E), Bask21_37 (E), Becksu_37 (E), Beem_52 (J), Bench_39 (E), BigBubba_38 (E), BilboSwaggins_37 (E), Bloom_112 (FC), Bobby_51 (J), Bombitas_49 (J), Bruin_37 (E), Buck_36 (E), BugsBunny_35 (E), Cactus_38 (E), Cece_195 (GD3), CherryTomatoes_78 (DO), Chilliamps_107 (FC), 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), Czyszczonek_1_38 (E), DS6A_74 (singleton), Daikon_36 (E), Dallas_54 (J), DmpstrDiver_53 (J), DoctorDiddles_37 (E), Dove_49 (J), DrDrey_38 (E), Duke13_55 (J), Dumbo_37 (E), DunneganBoMo_101 (FC), Dusk_36 (E), Easy2Say_39 (E), Ejimix_52 (J),

Elite2014_36 (E), Ellewin_99 (FC), Elph10_38 (E), Emmina_38 (E), EniyanLRS_50 (V), EricMillard_52 (J), Filch_38 (E), FireRed_37 (E), Flypotenuse_35 (E), FoghornLeghorn_36 (E), FreakyGoo_40 (M1), GMA4_22 (singleton), Gage_39 (E), Gator_35 (E), Gemini_40 (E), Glexan_35 (E), GoldenEssence_97 (FC), GoldenSpark_39 (E), Goldilocks_38 (E), GooberAzure_39 (E), Greely_81 (C2), 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), Izel_39 (M1), JeTaima_39 (E), JuicyJay_54 (J), KSunshine22_102 (FC), Kalah2_52 (J), Kanye_39 (E), KashFlow_45 (J), Khuang_61 (FS), Kimchi_39 (E), Klein_52 (J), KleverKiS_40 (M1), Kostya_38 (E), LeoJr_107 (FC), Leopard_52 (AE), 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), Maxxinista_38 (E), Mbo4_60 (singleton), Mimi_108 (FC), 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), Myrna_77 (C2), Nala_37 (E), NelitzaMV_37 (E), NihilNomen_51 (J), Nimrod_37 (E), NoSleep_38 (E), Odette_52 (J), Onyinye_53 (AE), Optimus_57 (J), OrionPax_38 (E), Palpatine_37 (E), Panchaali_104 (FC), Paperbeatsrock_39 (E), Pat3_36 (E), Patbob_109 (FC), Petra64142_39 (E), Phabba_83 (C2), Pharsalus_38 (E), PhatBacter_37 (E), Phaux_36 (E), Phoebus_51 (J), Phrampa_103 (FC), Phrux_37 (E), Policronamos_37 (E), Porky_37 (E), Pound_54 (J), Pumpnickel_201 (GD4), Pumpkin_39 (E), Pupper_77 (DO), Qualification_38 (E), Racecar_109 (FC), Rakim_38 (E), Rearden_46 (J), Redno2_50 (J), ReginaGlobina_107 (FC), Rimmer_36 (E), RiverMonster_37 (E), Rockabye_113 (FC), SCentae_76 (DO), SJReid_115 (FC), Saints25_38 (E), Sassay_36 (E), Schatzie_49 (J), ShamWow_37 (E), Simpliphy_38 (E), SirDuracell_36 (E), Skog_140 (DO), SlimJimmy_38 (M1), SophKB_37 (E), Sotrice96_37 (E), Stank_40 (E), Stark_38 (E), StellaBean_37 (E), StolenFromERC_39 (E), StormChicken_37 (E), TBrady12_39 (E), TMaxx_3 (FR), Talia1610_108 (FC), Tarkin_39 (E), TeardropMSU_36 (E), Teaspoon_38 (E), Terminus_37 (E), Thimble_37 (E), ThreeRngTarjay_50 (J), Thresher_38 (E), Tomaszewski_36 (E), Toto_37 (E), Traaww1_35 (E), Tuco_38 (E), Ukulele_37 (E), WaddleDee_101 (FC), 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 113:

- Found in 8 of 1108 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dartin_69 (K1), McMater_69 (K1), Niklas_69 (K1), Peanam_69 (K1), Richo_69 (K1), Shaobing_69 (K1), Validus_71 (K1), Yuna_71 (K6),

Start 114:

- Found in 8 of 1108 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 948
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Apocalypse_69 (K1), Chavito_69 (K1), MaGuCo_34 (AZ2), Maureen_36 (AZ2), MissSwiss_32 (AZ1), VResidence_33 (AZ1),

Start 115:

- Found in 186 of 1108 (16.8%) of genes in pham
- Manual Annotations of this start: 156 of 948

- Called 91.4% of time when present
- Phage (with cluster) where this start called: ActinUp_66 (K1), Adephagia_66 (K1), Adonis_66 (K1), Agent47_60 (K5), Ageofdapage_70 (K1), AlishaPH_66 (K1), AlleyCat_62 (K5), Amelie_55 (K1), Amohnton_66 (K6), Anaya_69 (K1), Angelica_66 (K1), Applecrisp_65 (K6), Asayake_66 (K1), Atiba_67 (K1), BEEST_66 (K1), BGIlluviae_66 (K1), BaghaKamala_66 (K1), BarnCat_46 (GB), BarrelRoll_67 (K1), Beezoo_68 (K1), Bella96_67 (K1), Belladonna_66 (K1), Bern_68 (K1), Binglebops_55 (K1), Blizzard_66 (K1), Boiiii_66 (K1), BoostSeason_69 (K2), Bryler_70 (K6), CREW_66 (K1), Cain_70 (K6), CallaLilly_68 (K1), Capricorn_66 (K1), CaseJules_68 (K1), Cassita_54 (GB), Catfish_63 (CU5), CheetoDust_66 (K1), Chris_69 (K1), Clipper_71 (K1), Collard_58 (K5), CrimD_68 (K1), Curiosium_70 (K1), Dadosky_62 (K5), Dalmuri_66 (K1), DarthP_66 (K6), Deby_67 (K1), Devera_74 (K1), DismalFunk_69 (K2), DismalStressor_69 (K2), Dole_72 (K1), Doughnut_70 (K2), DrHayes_67 (K1), Durfee_66 (K1), Edugator_59 (K5), Efra2_72 (K1), Ekdilam_63 (K6), Ellie_62 (K6), Emerson_68 (K1), Enkosi_57 (K1), Fefferhead_64 (K6), Feyre_63 (K5), Findley_69 (K2), Ganymede_66 (K1), Gengar_60 (K5), Geraldini_69 (K1), Gspu1_55 (CU2), Guanica15_71 (K1), Guillsminger_61 (K5), Hammy_66 (K6), HedwigODU_66 (K1), Heftyboy_61 (K5), Homura_66 (K1), 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), MacKat_62 (K1), Marcoliusprime_69 (K2), MarkPhew_69 (K1), Marshawn_66 (K6), Mdavu_56 (K1), MeaningOfLife_67 (K1), Megsy_69 (K1), Milly_69 (K2), Miryou_64 (K5), Mufasa_69 (K2), Murucutumbu_68 (K1), Mynx_68 (K1), Neighly_62 (K3), Nibb_69 (K1), Nikao_58 (K1), November_66 (K6), Nutello_55 (K1), OkiRoe_61 (K5), Omnicron_64 (K5), Oscar_70 (K1), Padfoot_66 (K1), Padpat_69 (K1), Paola_60 (K5), Peel_66 (K1), PhelpsODU_68 (K6), Phrank_70 (K6), Piatt_66 (K1), Pokerus_66 (K1), Prithvi_68 (K1), Psycho_60 (K5), QuincyRose_64 (K1), Ramen_67 (K1), Rando14_62 (K5), Rapunzel97_68 (K1), Rosmarinus_66 (K1), SamuelLPlaqson_67 (K1), Scarlett_71 (K1), Schmidt_57 (CU4), SgtBeansprout_56 (K1), Shadow1_71 (K6), 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), TClif_68 (K6), TM4_67 (K2), Tachez_66 (K1), TaiwanKao_69 (K1), Teejan_57 (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), TruffulaTree_67 (K1), Twitch_66 (K1), Unicorn_68 (K6), Urkel_67 (K1), Veliki_68 (K1), ViviJ_58 (K5), WaterT_52 (GB), Waterfoul_62 (K5), Ximenita_72 (K6), YoureAdopted_66 (K1), Yunkel11_71 (K1), Zabiza_61 (K1), Zavala_69 (K1), ZoeJ_68 (K2),

Start 116:

- Found in 120 of 1108 (10.8%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 1.7% of time when present
- Phage (with cluster) where this start called: MissDaisy_67 (K4), Stuck_67 (I2),

Start 117:

- Found in 6 of 1108 (0.5%) of genes in pham
- Manual Annotations of this start: 6 of 948
- Called 100.0% 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 118:

- Found in 1 of 1108 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Thonko_81 (B8),

Start 119:

- Found in 292 of 1108 (26.4%) of genes in pham
- Manual Annotations of this start: 9 of 948
- Called 4.8% of time when present
- Phage (with cluster) where this start called: Ariel_51 (J), Courthouse_51 (J), LittleE_56 (J), Lucky2013_51 (J), MiaZeal_51 (J), Mkhuseli_58 (A1), Nekros_50 (J), Omega_56 (J), Porcelain_50 (J), Red305_31 (L3), Sanya_57 (A1), Superphikiman_51 (J), Thibault_45 (J), TriFive_31 (L3),

Start 121:

- Found in 9 of 1108 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Blue_61 (A1),

Start 125:

- Found in 12 of 1108 (1.1%) of genes in pham
- Manual Annotations of this start: 9 of 948
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Candle_40 (R), MontyDev_40 (R), Nilo_41 (R), Papyrus_40 (R), Riparian_40 (R), Rope_40 (R), Send513_40 (R), Weiss13_40 (R), Yelo_40 (R), Zenon_41 (R),

Start 126:

- Found in 2 of 1108 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Zooman_18 (GD2), Zooman_331 (GD2),

Start 127:

- Found in 8 of 1108 (0.7%) of genes in pham
- Manual Annotations of this start: 6 of 948
- 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), Dodo_21 (GD1), Dodo_371 (GD1), PauloDiaboli_20 (GD1), PauloDiaboli_375 (GD1),

Start 128:

- Found in 28 of 1108 (2.5%) of genes in pham
- Manual Annotations of this start: 2 of 948
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Aegeus_33 (L5), Baudelaire_33 (L5),

Start 129:

- Found in 17 of 1108 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 23.5% of time when present
- Phage (with cluster) where this start called: Gonephishing_53 (J), Marleymoo_53 (J), Shaboozey_44 (J), Squint_50 (J),

Start 130:

- Found in 100 of 1108 (9.0%) of genes in pham
- Manual Annotations of this start: 7 of 948
- Called 26.0% 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), Rossetti_32 (L2), Rumpelstiltskin_32 (L2), Sarshaun_32 (L2), Sheng711_30 (L4), SoJulia_33 (L2), Soap141_32 (L2), Tyson_30 (L1), Underpass_32 (L2), ZhongYanYuan_31 (L2),

Start 131:

- Found in 41 of 1108 (3.7%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 2.4% of time when present
- Phage (with cluster) where this start called: JackSparrow_64 (A1),

Start 133:

- Found in 1 of 1108 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Indlulamithi_37 (AC),

Start 134:

- Found in 44 of 1108 (4.0%) of genes in pham
- Manual Annotations of this start: 1 of 948
- Called 9.1% of time when present
- Phage (with cluster) where this start called: EdogawaKiddo_56 (A9), Hanray_56 (A9), Halex_57 (A9), Liebe_36 (AZ2),

Start 136:

- Found in 144 of 1108 (13.0%) of genes in pham
- Manual Annotations of this start: 3 of 948
- Called 2.8% of time when present
- Phage (with cluster) where this start called: FairyPath_37 (E), IHOP_37 (E), Phaja_37 (E), ShereKhan_39 (E),

Start 137:

- Found in 216 of 1108 (19.5%) of genes in pham
- No Manual Annotations of this start.
- Called 0.5% of time when present
- Phage (with cluster) where this start called: RoseMarie_41 (M),

Summary by clusters:

There are 69 clusters represented in this pham: DO, GD1, GD2, FS, GD4, M3, FQ, DL, FR, V, singleton, K3, K2, K1, FC, M1, K6, K5, K4, GD3, AE, K8, FL, JA, DP, A15, CU5, A16, A11, CU2, CU1, A12, I2, A1, A2, A13, A9, C2, CQ1, DD, EL, AC, EN, E, EH, J, M, A17, N, L4, R, L2, L3, L1, CU3, AZ, A20, CQ2, B8, FB, L5, EM2, AZ1, AZ2, AZ3, M2, AZ5, CU4, GB,

Info for manual annotations of cluster A1:

- Start number 74 was manually annotated 5 times for cluster A1.
- Start number 75 was manually annotated 29 times for cluster A1.
- Start number 76 was manually annotated 103 times for cluster A1.
- Start number 83 was manually annotated 4 times for cluster A1.
- Start number 86 was manually annotated 10 times for cluster A1.
- Start number 100 was manually annotated 4 times for cluster A1.
- Start number 121 was manually annotated 1 time for cluster A1.
- Start number 131 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A11:

- Start number 76 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 76 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A15:

- Start number 99 was manually annotated 1 time for cluster A15.
- Start number 100 was manually annotated 20 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 76 was manually annotated 2 times for cluster A16.
- Start number 101 was manually annotated 1 time for cluster A16.

Info for manual annotations of cluster A2:

- Start number 56 was manually annotated 4 times for cluster A2.
- Start number 76 was manually annotated 59 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 76 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A9:

- Start number 76 was manually annotated 34 times for cluster A9.
- Start number 106 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AC:

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

Info for manual annotations of cluster AE:

- Start number 112 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster AZ1:

- Start number 91 was manually annotated 4 times for cluster AZ1.
- Start number 95 was manually annotated 26 times for cluster AZ1.

- Start number 96 was manually annotated 5 times for cluster AZ1.
- Start number 99 was manually annotated 1 time for cluster AZ1.
- Start number 111 was manually annotated 7 times for cluster AZ1.
- Start number 114 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 114 was manually annotated 2 times for cluster AZ2.
- Start number 134 was manually annotated 1 time for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 80 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ5:

- Start number 100 was manually annotated 10 times for cluster AZ5.

Info for manual annotations of cluster B8:

- Start number 118 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster C2:

- Start number 110 was manually annotated 1 time for cluster C2.
- Start number 112 was manually annotated 2 times for cluster C2.

Info for manual annotations of cluster CQ1:

- Start number 99 was manually annotated 8 times for cluster CQ1.
- Start number 101 was manually annotated 6 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 92 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CU1:

- Start number 111 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 111 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 115 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 115 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster DD:

- Start number 99 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:

- Start number 99 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DO:

- Start number 112 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DP:

- Start number 117 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster E:

- Start number 109 was manually annotated 3 times for cluster E.
- Start number 112 was manually annotated 119 times for cluster E.
- Start number 136 was manually annotated 3 times for cluster E.

Info for manual annotations of cluster EH:

- Start number 78 was manually annotated 1 time for cluster EH.
- Start number 83 was manually annotated 1 time for cluster EH.
- Start number 90 was manually annotated 1 time for cluster EH.
- Start number 97 was manually annotated 10 times for cluster EH.

Info for manual annotations of cluster EL:

- Start number 104 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster EM2:

- Start number 109 was manually annotated 1 time for cluster EM2.

Info for manual annotations of cluster EN:

- Start number 104 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster FB:

- Start number 109 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FC:

- Start number 112 was manually annotated 4 times for cluster FC.

Info for manual annotations of cluster FL:

- Start number 87 was manually annotated 1 time for cluster FL.
- Start number 94 was manually annotated 1 time for cluster FL.

Info for manual annotations of cluster FQ:

- Start number 106 was manually annotated 1 time for cluster FQ.

Info for manual annotations of cluster GB:

- Start number 115 was manually annotated 5 times for cluster GB.

Info for manual annotations of cluster GD1:

- Start number 127 was manually annotated 4 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 126 was manually annotated 2 times for cluster GD2.
- Start number 127 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 112 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 112 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster J:

- Start number 112 was manually annotated 30 times for cluster J.
- Start number 119 was manually annotated 9 times for cluster J.
- Start number 129 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster JA:

- Start number 100 was manually annotated 3 times for cluster JA.
- Start number 109 was manually annotated 4 times for cluster JA.

Info for manual annotations of cluster K1:

- Start number 113 was manually annotated 4 times for cluster K1.
- Start number 114 was manually annotated 1 time for cluster K1.
- Start number 115 was manually annotated 98 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 115 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 111 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 116 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K5:

- Start number 115 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 113 was manually annotated 1 time for cluster K6.
- Start number 115 was manually annotated 19 times for cluster K6.

Info for manual annotations of cluster K8:

- Start number 103 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 111 was manually annotated 17 times for cluster L1.
- Start number 130 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 111 was manually annotated 25 times for cluster L2.
- Start number 130 was manually annotated 3 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 111 was manually annotated 15 times for cluster L3.
- Start number 130 was manually annotated 2 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 111 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 128 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 98 was manually annotated 11 times for cluster M1.
- Start number 112 was manually annotated 2 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 107 was manually annotated 1 time for cluster M2.
- Start number 108 was manually annotated 5 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 108 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 102 was manually annotated 1 time for cluster N.
- Start number 106 was manually annotated 34 times for cluster N.

Info for manual annotations of cluster R:

- Start number 125 was manually annotated 9 times for cluster R.

Info for manual annotations of cluster V:

- Start number 112 was manually annotated 5 times for cluster V.

Gene Information:

Gene: 244_39 Start: 33415, Stop: 33660, Start Num: 112

Candidate Starts for 244_39:

(Start: 112 @33415 has 172 MA's), (Start: 136 @33472 has 3 MA's), (148, 33505), (150, 33511), (173, 33565), (179, 33577),

Gene: 40AC_59 Start: 39531, Stop: 39259, Start Num: 76

Candidate Starts for 40AC_59:

(Start: 76 @39531 has 228 MA's), (Start: 116 @39510 has 1 MA's), (Start: 119 @39504 has 9 MA's), (152, 39417), (166, 39381), (178, 39351),

Gene: A3Wally_20 Start: 7196, Stop: 7426, Start Num: 127

Candidate Starts for A3Wally_20:

(Start: 127 @7196 has 6 MA's), (156, 7268), (208, 7415),

Gene: A3Wally_373 Start: 186417, Stop: 186647, Start Num: 127

Candidate Starts for A3Wally_373:

(Start: 127 @186417 has 6 MA's), (156, 186489), (208, 186636),

Gene: A6_54 Start: 38910, Stop: 38635, Start Num: 76

Candidate Starts for A6_54:

(Start: 75 @38913 has 29 MA's), (Start: 76 @38910 has 228 MA's), (Start: 83 @38898 has 5 MA's), (Start: 119 @38868 has 9 MA's), (137, 38817), (141, 38802), (151, 38781), (163, 38751), (175, 38721),

Gene: ABCat_36 Start: 33127, Stop: 33372, Start Num: 112

Candidate Starts for ABCat_36:

(Start: 112 @33127 has 172 MA's), (Start: 136 @33184 has 3 MA's), (148, 33217), (150, 33223), (173, 33277), (179, 33289),

Gene: AEgle_32 Start: 24443, Stop: 24685, Start Num: 111

Candidate Starts for AEgle_32:
(Start: 111 @24443 has 84 MA's),

Gene: AFIS_58 Start: 39979, Stop: 39713, Start Num: 76
Candidate Starts for AFIS_58:

(Start: 75 @39982 has 29 MA's), (Start: 76 @39979 has 228 MA's), (Start: 83 @39967 has 5 MA's),
(Start: 119 @39946 has 9 MA's), (137, 39895), (141, 39880), (151, 39859), (163, 39829), (175, 39799),
(210, 39724),

Gene: AGrandiflora_34 Start: 24670, Stop: 24936, Start Num: 95
Candidate Starts for AGrandiflora_34:

(19, 24412), (26, 24448), (Start: 95 @24670 has 26 MA's), (176, 24853),

Gene: AN9_61 Start: 38705, Stop: 38394, Start Num: 56
Candidate Starts for AN9_61:

(Start: 56 @38705 has 4 MA's), (Start: 76 @38666 has 228 MA's), (Start: 106 @38657 has 36 MA's),
(147, 38564), (166, 38516), (178, 38486),

Gene: ANI8_61 Start: 38705, Stop: 38394, Start Num: 56
Candidate Starts for ANI8_61:

(Start: 56 @38705 has 4 MA's), (Start: 76 @38666 has 228 MA's), (Start: 106 @38657 has 36 MA's),
(147, 38564), (166, 38516), (178, 38486),

Gene: AbbyPaige_60 Start: 38775, Stop: 38503, Start Num: 76
Candidate Starts for AbbyPaige_60:

(Start: 76 @38775 has 228 MA's), (Start: 106 @38766 has 36 MA's), (Start: 116 @38754 has 1 MA's),
(Start: 119 @38748 has 9 MA's),

Gene: Abbysshoes_63 Start: 41669, Stop: 41403, Start Num: 76
Candidate Starts for Abbysshoes_63:

(Start: 75 @41672 has 29 MA's), (Start: 76 @41669 has 228 MA's), (Start: 83 @41657 has 5 MA's),
(Start: 119 @41636 has 9 MA's), (137, 41585), (141, 41570), (151, 41549), (163, 41519), (175, 41489),

Gene: Abrogate_610 Start: 42660, Stop: 42409, Start Num: 100
Candidate Starts for Abrogate_610:

(Start: 76 @42684 has 228 MA's), (Start: 100 @42660 has 38 MA's), (137, 42591), (141, 42576), (151,
42555), (159, 42534), (163, 42525), (175, 42495),

Gene: Abscondus_124 Start: 70975, Stop: 71268, Start Num: 99
Candidate Starts for Abscondus_124:

(Start: 99 @70975 has 17 MA's), (Start: 128 @71023 has 2 MA's), (175, 71152),

Gene: Acme_64 Start: 41595, Stop: 41326, Start Num: 75
Candidate Starts for Acme_64:

(Start: 75 @41595 has 29 MA's), (Start: 76 @41592 has 228 MA's), (Start: 83 @41580 has 5 MA's),
(Start: 119 @41559 has 9 MA's), (137, 41508), (141, 41493), (151, 41472), (163, 41442), (175, 41412),
(210, 41337),

Gene: Acolyte_53 Start: 37597, Stop: 37325, Start Num: 76
Candidate Starts for Acolyte_53:

(Start: 76 @37597 has 228 MA's), (Start: 106 @37588 has 36 MA's), (Start: 116 @37576 has 1 MA's),
(Start: 119 @37570 has 9 MA's), (132, 37534), (148, 37492), (166, 37447),

Gene: Acquire49_30 Start: 27690, Stop: 27959, Start Num: 111
Candidate Starts for Acquire49_30:
(Start: 111 @27690 has 84 MA's), (Start: 130 @27735 has 7 MA's), (175, 27843),

Gene: ActinUp_66 Start: 43467, Stop: 43709, Start Num: 115
Candidate Starts for ActinUp_66:
(Start: 115 @43467 has 156 MA's), (148, 43557), (194, 43653), (203, 43677),

Gene: AddiRose_51 Start: 34005, Stop: 34238, Start Num: 100
Candidate Starts for AddiRose_51:
(Start: 100 @34005 has 38 MA's), (166, 34140),

Gene: Adephagia_66 Start: 43504, Stop: 43746, Start Num: 115
Candidate Starts for Adephagia_66:
(Start: 115 @43504 has 156 MA's), (148, 43594), (194, 43690), (203, 43714),

Gene: Adnama_40 Start: 33642, Stop: 33887, Start Num: 112
Candidate Starts for Adnama_40:
(Start: 112 @33642 has 172 MA's), (Start: 136 @33699 has 3 MA's), (148, 33732), (150, 33738), (173, 33792), (179, 33804),

Gene: Adolin_32 Start: 23104, Stop: 23349, Start Num: 111
Candidate Starts for Adolin_32:
(13, 22735), (19, 22849), (26, 22885), (Start: 111 @23104 has 84 MA's),

Gene: Adonis_66 Start: 43739, Stop: 43981, Start Num: 115
Candidate Starts for Adonis_66:
(Start: 115 @43739 has 156 MA's), (148, 43829), (194, 43925), (203, 43949),

Gene: Adumb2043_32 Start: 24438, Stop: 24704, Start Num: 91
Candidate Starts for Adumb2043_32:
(8, 23982), (19, 24183), (26, 24219), (Start: 91 @24438 has 4 MA's), (176, 24621),

Gene: Adzzy_59 Start: 37247, Stop: 36975, Start Num: 76
Candidate Starts for Adzzy_59:
(Start: 76 @37247 has 228 MA's), (132, 37184), (150, 37136), (166, 37097), (171, 37085), (178, 37067),

Gene: Aegeus_33 Start: 27825, Stop: 28055, Start Num: 128
Candidate Starts for Aegeus_33:
(Start: 111 @27789 has 84 MA's), (123, 27816), (Start: 128 @27825 has 2 MA's), (137, 27852), (148, 27882), (161, 27903), (175, 27942), (176, 27945), (179, 27948), (204, 28005), (206, 28014),

Gene: Aeneas_65 Start: 43097, Stop: 42828, Start Num: 75
Candidate Starts for Aeneas_65:
(Start: 75 @43097 has 29 MA's), (Start: 76 @43094 has 228 MA's), (Start: 83 @43082 has 5 MA's), (Start: 119 @43061 has 9 MA's), (137, 43010), (141, 42995), (151, 42974), (163, 42944), (175, 42914),

Gene: Agaliana_56 Start: 37891, Stop: 37616, Start Num: 76
Candidate Starts for Agaliana_56:
(Start: 75 @37894 has 29 MA's), (Start: 76 @37891 has 228 MA's), (Start: 83 @37879 has 5 MA's), (Start: 119 @37849 has 9 MA's), (137, 37798), (141, 37783), (151, 37762), (163, 37732), (175, 37702),

Gene: Agape74_60 Start: 38769, Stop: 38497, Start Num: 76
Candidate Starts for Agape74_60:
(Start: 76 @38769 has 228 MA's), (Start: 106 @38760 has 36 MA's), (Start: 116 @38748 has 1 MA's),
(Start: 119 @38742 has 9 MA's), (166, 38619),

Gene: Agent47_60 Start: 40769, Stop: 41017, Start Num: 115
Candidate Starts for Agent47_60:
(Start: 115 @40769 has 156 MA's), (164, 40901), (176, 40931), (198, 40964),

Gene: Ageofdapage_70 Start: 44895, Stop: 45137, Start Num: 115
Candidate Starts for Ageofdapage_70:
(Start: 115 @44895 has 156 MA's), (148, 44985), (194, 45081), (203, 45105),

Gene: Aikoy_52 Start: 39434, Stop: 39189, Start Num: 112
Candidate Starts for Aikoy_52:
(Start: 112 @39434 has 172 MA's), (137, 39374), (147, 39347), (164, 39308), (173, 39284), (175,
39278), (179, 39272), (190, 39248),

Gene: AinMach_35 Start: 25558, Stop: 25839, Start Num: 112
Candidate Starts for AinMach_35:
(35, 25390), (93, 25534), (Start: 112 @25558 has 172 MA's), (173, 25723),

Gene: Ajay_62 Start: 41482, Stop: 41216, Start Num: 76
Candidate Starts for Ajay_62:
(Start: 75 @41485 has 29 MA's), (Start: 76 @41482 has 228 MA's), (Start: 83 @41470 has 5 MA's),
(Start: 119 @41449 has 9 MA's), (137, 41398), (141, 41383), (151, 41362), (163, 41332), (175, 41302),
(210, 41227),

Gene: AlishaPH_66 Start: 43765, Stop: 44007, Start Num: 115
Candidate Starts for AlishaPH_66:
(Start: 115 @43765 has 156 MA's), (148, 43855), (194, 43951), (203, 43975),

Gene: Aliter_58 Start: 38153, Stop: 37881, Start Num: 76
Candidate Starts for Aliter_58:
(Start: 76 @38153 has 228 MA's), (Start: 106 @38144 has 36 MA's), (Start: 134 @38087 has 1 MA's),
(147, 38051), (163, 38012), (173, 37985), (178, 37973),

Gene: AlleyCat_62 Start: 41081, Stop: 41329, Start Num: 115
Candidate Starts for AlleyCat_62:
(Start: 115 @41081 has 156 MA's), (141, 41156), (172, 41228),

Gene: Alma_58 Start: 38528, Stop: 38256, Start Num: 76
Candidate Starts for Alma_58:
(Start: 76 @38528 has 228 MA's), (Start: 106 @38519 has 36 MA's), (Start: 134 @38462 has 1 MA's),
(147, 38426), (163, 38387), (173, 38360), (178, 38348),

Gene: Alsfro_68 Start: 41762, Stop: 41487, Start Num: 76
Candidate Starts for Alsfro_68:
(Start: 75 @41765 has 29 MA's), (Start: 76 @41762 has 228 MA's), (Start: 83 @41750 has 5 MA's),
(Start: 119 @41720 has 9 MA's), (137, 41669), (141, 41654), (151, 41633), (163, 41603), (175, 41573),
(210, 41498),

Gene: Altman_64 Start: 41400, Stop: 41125, Start Num: 76

Candidate Starts for Altman_64:

(Start: 75 @41403 has 29 MA's), (Start: 76 @41400 has 228 MA's), (Start: 83 @41388 has 5 MA's), (137, 41307), (141, 41292), (151, 41271), (163, 41241), (175, 41211),

Gene: Altostratus_59 Start: 35532, Stop: 35810, Start Num: 112

Candidate Starts for Altostratus_59:

(Start: 112 @35532 has 172 MA's), (Start: 131 @35577 has 1 MA's), (148, 35622), (174, 35697),

Gene: Alvin_62 Start: 41227, Stop: 40952, Start Num: 76

Candidate Starts for Alvin_62:

(37, 41332), (38, 41329), (51, 41284), (57, 41266), (Start: 75 @41230 has 29 MA's), (Start: 76 @41227 has 228 MA's), (Start: 83 @41215 has 5 MA's), (Start: 119 @41185 has 9 MA's), (137, 41134), (141, 41119), (151, 41098), (163, 41068), (175, 41038), (201, 40993), (210, 40963),

Gene: Amao_37 Start: 32339, Stop: 32584, Start Num: 112

Candidate Starts for Amao_37:

(Start: 112 @32339 has 172 MA's), (Start: 136 @32396 has 3 MA's), (148, 32429), (150, 32435), (171, 32483), (173, 32489), (179, 32501),

Gene: Amelie_55 Start: 40941, Stop: 41186, Start Num: 115

Candidate Starts for Amelie_55:

(60, 40869), (Start: 115 @40941 has 156 MA's), (157, 41046), (172, 41088), (194, 41124),

Gene: AmericanBeauty_39 Start: 33122, Stop: 33367, Start Num: 112

Candidate Starts for AmericanBeauty_39:

(Start: 112 @33122 has 172 MA's), (Start: 136 @33179 has 3 MA's), (148, 33212), (150, 33218), (173, 33272), (179, 33284),

Gene: Amohndition_66 Start: 44113, Stop: 44352, Start Num: 115

Candidate Starts for Amohndition_66:

(Start: 115 @44113 has 156 MA's), (148, 44203), (172, 44263),

Gene: Amyev_33 Start: 26378, Stop: 26620, Start Num: 96

Candidate Starts for Amyev_33:

(Start: 96 @26378 has 5 MA's),

Gene: Anaya_69 Start: 44458, Stop: 44700, Start Num: 115

Candidate Starts for Anaya_69:

(60, 44380), (Start: 115 @44458 has 156 MA's), (148, 44548), (194, 44644), (203, 44668),

Gene: Anaysia_64 Start: 37667, Stop: 37398, Start Num: 100

Candidate Starts for Anaysia_64:

(7, 38111), (11, 38087), (14, 38009), (Start: 100 @37667 has 38 MA's), (178, 37490), (197, 37451),

Gene: Andies_48 Start: 34452, Stop: 34700, Start Num: 106

Candidate Starts for Andies_48:

(Start: 106 @34452 has 36 MA's), (Start: 116 @34464 has 1 MA's), (175, 34614), (176, 34617), (210, 34692),

Gene: Aneem_58 Start: 37786, Stop: 37514, Start Num: 76

Candidate Starts for Aneem_58:

(Start: 76 @37786 has 228 MA's), (Start: 106 @37777 has 36 MA's), (178, 37606),

Gene: Angelica_66 Start: 43657, Stop: 43899, Start Num: 115
Candidate Starts for Angelica_66:
(Start: 115 @43657 has 156 MA's), (148, 43747), (194, 43843), (203, 43867),

Gene: Anglerfish_62 Start: 41575, Stop: 41306, Start Num: 75
Candidate Starts for Anglerfish_62:
(Start: 75 @41575 has 29 MA's), (Start: 76 @41572 has 228 MA's), (Start: 83 @41560 has 5 MA's),
(Start: 116 @41545 has 1 MA's), (Start: 119 @41539 has 9 MA's), (137, 41488), (141, 41473), (151,
41452), (163, 41422), (175, 41392),

Gene: AnnabelLee_3 Start: 977, Stop: 1246, Start Num: 105
Candidate Starts for AnnabelLee_3:
(105, 977),

Gene: Anon_61 Start: 37216, Stop: 36947, Start Num: 100
Candidate Starts for Anon_61:
(Start: 100 @37216 has 38 MA's), (164, 37075), (188, 37018), (204, 36982),

Gene: Anselm_59 Start: 38676, Stop: 38404, Start Num: 76
Candidate Starts for Anselm_59:
(Start: 76 @38676 has 228 MA's), (Start: 106 @38667 has 36 MA's), (Start: 116 @38655 has 1 MA's),
(Start: 119 @38649 has 9 MA's), (166, 38526), (178, 38496),

Gene: Anthony_54 Start: 36233, Stop: 35961, Start Num: 76
Candidate Starts for Anthony_54:
(Start: 76 @36233 has 228 MA's), (Start: 106 @36224 has 36 MA's), (Start: 119 @36206 has 9 MA's),
(Start: 128 @36185 has 2 MA's), (178, 36053),

Gene: Aphelion_125 Start: 72038, Stop: 72331, Start Num: 99
Candidate Starts for Aphelion_125:
(Start: 99 @72038 has 17 MA's), (Start: 128 @72086 has 2 MA's), (175, 72215),

Gene: Apocalypse_69 Start: 44420, Stop: 44662, Start Num: 114
Candidate Starts for Apocalypse_69:
(Start: 114 @44420 has 5 MA's), (148, 44510), (194, 44606), (203, 44630),

Gene: Applecrisp_65 Start: 43695, Stop: 43937, Start Num: 115
Candidate Starts for Applecrisp_65:
(61, 43626), (Start: 115 @43695 has 156 MA's), (Start: 119 @43704 has 9 MA's), (137, 43755), (148,
43785), (194, 43881), (203, 43905),

Gene: Applejack_60 Start: 39669, Stop: 39418, Start Num: 100
Candidate Starts for Applejack_60:
(Start: 76 @39693 has 228 MA's), (Start: 100 @39669 has 38 MA's), (137, 39600), (141, 39585), (151,
39564), (163, 39534), (175, 39504),

Gene: Appletree2_30 Start: 27633, Stop: 27902, Start Num: 111
Candidate Starts for Appletree2_30:
(Start: 111 @27633 has 84 MA's), (Start: 130 @27678 has 7 MA's), (175, 27786),

Gene: Arcanine_64 Start: 42296, Stop: 42030, Start Num: 76
Candidate Starts for Arcanine_64:

(Start: 75 @42299 has 29 MA's), (Start: 76 @42296 has 228 MA's), (Start: 83 @42284 has 5 MA's), (Start: 116 @42269 has 1 MA's), (Start: 119 @42263 has 9 MA's), (137, 42212), (141, 42197), (151, 42176), (163, 42146), (175, 42116),

Gene: Archie_32 Start: 28911, Stop: 29177, Start Num: 111

Candidate Starts for Archie_32:

(Start: 111 @28911 has 84 MA's), (Start: 130 @28956 has 7 MA's), (149, 29007), (161, 29025), (180, 29073), (210, 29145), (220, 29166),

Gene: Argent26_39 Start: 33125, Stop: 33370, Start Num: 112

Candidate Starts for Argent26_39:

(Start: 112 @33125 has 172 MA's), (Start: 136 @33182 has 3 MA's), (148, 33215), (150, 33221), (173, 33275), (179, 33287),

Gene: Ariel_51 Start: 40408, Stop: 40647, Start Num: 119

Candidate Starts for Ariel_51:

(Start: 119 @40408 has 9 MA's), (Start: 129 @40435 has 1 MA's), (148, 40489), (149, 40492), (175, 40549), (194, 40585),

Gene: Arissanae_57 Start: 38844, Stop: 38572, Start Num: 76

Candidate Starts for Arissanae_57:

(Start: 76 @38844 has 228 MA's), (Start: 106 @38835 has 36 MA's), (132, 38781), (147, 38742), (166, 38694),

Gene: Asa16_34 Start: 26607, Stop: 26864, Start Num: 111

Candidate Starts for Asa16_34:

(19, 26370), (20, 26379), (Start: 111 @26607 has 84 MA's), (Start: 131 @26655 has 1 MA's), (178, 26772),

Gene: Asayake_66 Start: 43819, Stop: 44061, Start Num: 115

Candidate Starts for Asayake_66:

(Start: 115 @43819 has 156 MA's), (148, 43909), (194, 44005), (203, 44029),

Gene: Ascela_34 Start: 24798, Stop: 25064, Start Num: 95

Candidate Starts for Ascela_34:

(Start: 95 @24798 has 26 MA's), (176, 24981),

Gene: Ashballer_65 Start: 42043, Stop: 41777, Start Num: 76

Candidate Starts for Ashballer_65:

(Start: 75 @42046 has 29 MA's), (Start: 76 @42043 has 228 MA's), (Start: 83 @42031 has 5 MA's), (Start: 119 @42010 has 9 MA's), (137, 41959), (141, 41944), (151, 41923), (163, 41893), (175, 41863),

Gene: Ashes_31 Start: 22585, Stop: 22851, Start Num: 100

Candidate Starts for Ashes_31:

(Start: 100 @22585 has 38 MA's), (Start: 115 @22600 has 156 MA's), (139, 22663), (145, 22681), (185, 22783),

Gene: Asriel_36 Start: 31996, Stop: 32241, Start Num: 112

Candidate Starts for Asriel_36:

(Start: 112 @31996 has 172 MA's), (Start: 136 @32053 has 3 MA's), (148, 32086), (150, 32092), (173, 32146), (179, 32158),

Gene: Atiba_67 Start: 43467, Stop: 43709, Start Num: 115

Candidate Starts for Atiba_67:

(Start: 115 @43467 has 156 MA's), (148, 43557), (194, 43653), (203, 43677),

Gene: Atkinbua_64 Start: 41089, Stop: 40823, Start Num: 74

Candidate Starts for Atkinbua_64:

(Start: 74 @41089 has 5 MA's), (Start: 83 @41077 has 5 MA's), (Start: 119 @41056 has 9 MA's), (137, 41005), (141, 40990), (151, 40969), (163, 40939), (175, 40909), (210, 40834),

Gene: Atuin_102 Start: 87057, Stop: 87320, Start Num: 112

Candidate Starts for Atuin_102:

(Start: 112 @87057 has 172 MA's), (190, 87246),

Gene: Audell_6 Start: 4387, Stop: 4647, Start Num: 109

Candidate Starts for Audell_6:

(Start: 109 @4387 has 10 MA's), (147, 4477), (171, 4534),

Gene: Auspice_39 Start: 32780, Stop: 33040, Start Num: 112

Candidate Starts for Auspice_39:

(44, 32651), (Start: 98 @32762 has 11 MA's), (Start: 112 @32780 has 172 MA's), (137, 32843), (172, 32930), (175, 32939), (179, 32948),

Gene: AvadaKedavra_30 Start: 27700, Stop: 27969, Start Num: 111

Candidate Starts for AvadaKedavra_30:

(Start: 111 @27700 has 84 MA's), (Start: 130 @27745 has 7 MA's), (175, 27853),

Gene: Aziz_44 Start: 33930, Stop: 34181, Start Num: 108

Candidate Starts for Aziz_44:

(Start: 108 @33930 has 6 MA's), (148, 34023), (170, 34074), (171, 34077), (176, 34092), (206, 34146),

Gene: Azrael100_52 Start: 39360, Stop: 39608, Start Num: 112

Candidate Starts for Azrael100_52:

(Start: 112 @39360 has 172 MA's), (143, 39441), (163, 39489), (176, 39522), (178, 39525), (179, 39528), (194, 39561), (206, 39597),

Gene: BAKA_56 Start: 44234, Stop: 44479, Start Num: 112

Candidate Starts for BAKA_56:

(Start: 112 @44234 has 172 MA's), (137, 44297), (148, 44327), (149, 44330), (176, 44390), (179, 44393), (180, 44396),

Gene: BEEST_66 Start: 43819, Stop: 44061, Start Num: 115

Candidate Starts for BEEST_66:

(Start: 115 @43819 has 156 MA's), (148, 43909), (194, 44005), (203, 44029),

Gene: BFK20_ORF53 Start: 41569, Stop: 41835, Start Num: 101

Candidate Starts for BFK20_ORF53:

(Start: 83 @41539 has 5 MA's), (Start: 98 @41563 has 11 MA's), (Start: 101 @41569 has 7 MA's), (132, 41629), (148, 41671), (150, 41677), (175, 41737),

Gene: BGlluviae_66 Start: 43622, Stop: 43864, Start Num: 115

Candidate Starts for BGlluviae_66:

(Start: 115 @43622 has 156 MA's), (148, 43712), (194, 43808), (203, 43832),

Gene: BK1_54 Start: 38910, Stop: 38635, Start Num: 76

Candidate Starts for BK1_54:

(Start: 75 @38913 has 29 MA's), (Start: 76 @38910 has 228 MA's), (Start: 83 @38898 has 5 MA's),
(Start: 119 @38868 has 9 MA's), (137, 38817), (141, 38802), (151, 38781), (163, 38751), (175, 38721),

Gene: BPBiabs31_64 Start: 41826, Stop: 41557, Start Num: 75

Candidate Starts for BPBiabs31_64:

(Start: 75 @41826 has 29 MA's), (Start: 76 @41823 has 228 MA's), (Start: 83 @41811 has 5 MA's),
(Start: 116 @41796 has 1 MA's), (Start: 119 @41790 has 9 MA's), (141, 41724), (151, 41703), (163,
41673), (175, 41643),

Gene: BabeRuth_56 Start: 36173, Stop: 36421, Start Num: 106

Candidate Starts for BabeRuth_56:

(Start: 106 @36173 has 36 MA's), (Start: 116 @36185 has 1 MA's), (175, 36335), (176, 36338), (210,
36413),

Gene: BaboJay_37 Start: 33214, Stop: 33462, Start Num: 109

Candidate Starts for BaboJay_37:

(70, 33145), (71, 33148), (Start: 83 @33175 has 5 MA's), (Start: 109 @33214 has 10 MA's), (Start: 136
@33274 has 3 MA's), (148, 33307), (150, 33313), (173, 33367), (179, 33379),

Gene: Bachita_128 Start: 71997, Stop: 72287, Start Num: 101

Candidate Starts for Bachita_128:

(49, 71889), (53, 71904), (73, 71949), (Start: 101 @71997 has 7 MA's), (Start: 128 @72042 has 2
MA's), (175, 72171),

Gene: Bachome_59 Start: 37766, Stop: 37494, Start Num: 76

Candidate Starts for Bachome_59:

(Start: 76 @37766 has 228 MA's), (Start: 106 @37757 has 36 MA's), (166, 37616),

Gene: BaconJack_66 Start: 44013, Stop: 43747, Start Num: 76

Candidate Starts for BaconJack_66:

(Start: 75 @44016 has 29 MA's), (Start: 76 @44013 has 228 MA's), (Start: 83 @44001 has 5 MA's),
(Start: 119 @43980 has 9 MA's), (137, 43929), (141, 43914), (151, 43893), (163, 43863), (175, 43833),

Gene: BadStone_36 Start: 33127, Stop: 33372, Start Num: 112

Candidate Starts for BadStone_36:

(Start: 112 @33127 has 172 MA's), (Start: 136 @33184 has 3 MA's), (148, 33217), (150, 33223), (171,
33271), (173, 33277), (179, 33289),

Gene: BaghaKamala_66 Start: 43286, Stop: 43528, Start Num: 115

Candidate Starts for BaghaKamala_66:

(Start: 76 @43241 has 228 MA's), (Start: 115 @43286 has 156 MA's), (148, 43376), (194, 43472),
(203, 43496),

Gene: Bagrid_51 Start: 43567, Stop: 43812, Start Num: 112

Candidate Starts for Bagrid_51:

(Start: 112 @43567 has 172 MA's), (137, 43630), (148, 43660), (149, 43663), (176, 43723), (179,
43726), (180, 43729),

Gene: Balomoji_36 Start: 32861, Stop: 33106, Start Num: 112

Candidate Starts for Balomoji_36:

(Start: 112 @32861 has 172 MA's), (Start: 136 @32918 has 3 MA's), (148, 32951), (150, 32957), (171,
33005), (173, 33011), (179, 33023),

Gene: Banquo_62 Start: 38905, Stop: 39129, Start Num: 111

Candidate Starts for Banquo_62:

(Start: 111 @38905 has 84 MA's), (Start: 131 @38947 has 1 MA's), (148, 38992), (153, 39001), (173, 39052), (176, 39061), (193, 39082),

Gene: Bantam_85 Start: 57381, Stop: 57115, Start Num: 99

Candidate Starts for Bantam_85:

(Start: 99 @57381 has 17 MA's), (Start: 125 @57333 has 9 MA's),

Gene: Baoshan_31 Start: 28288, Stop: 28509, Start Num: 130

Candidate Starts for Baoshan_31:

(Start: 111 @28243 has 84 MA's), (Start: 130 @28288 has 7 MA's), (149, 28339), (210, 28477), (220, 28498),

Gene: Barbarian_36 Start: 31996, Stop: 32241, Start Num: 112

Candidate Starts for Barbarian_36:

(Start: 112 @31996 has 172 MA's), (Start: 136 @32053 has 3 MA's), (148, 32086), (150, 32092), (173, 32146), (179, 32158),

Gene: BarnCat_46 Start: 30635, Stop: 30874, Start Num: 115

Candidate Starts for BarnCat_46:

(47, 30518), (54, 30536), (Start: 115 @30635 has 156 MA's), (137, 30692), (147, 30719), (150, 30728),

Gene: Barnstormer_41 Start: 26907, Stop: 27167, Start Num: 97

Candidate Starts for Barnstormer_41:

(36, 26781), (Start: 97 @26907 has 10 MA's),

Gene: BarrelRoll_67 Start: 43905, Stop: 44147, Start Num: 115

Candidate Starts for BarrelRoll_67:

(Start: 115 @43905 has 156 MA's), (148, 43995), (194, 44091), (203, 44115),

Gene: Barriga_65 Start: 40220, Stop: 39954, Start Num: 76

Candidate Starts for Barriga_65:

(Start: 75 @40223 has 29 MA's), (Start: 76 @40220 has 228 MA's), (Start: 83 @40208 has 5 MA's), (Start: 119 @40187 has 9 MA's), (137, 40136), (141, 40121), (151, 40100), (163, 40070), (175, 40040), (210, 39965),

Gene: BarrowTuph_62 Start: 41075, Stop: 40809, Start Num: 76

Candidate Starts for BarrowTuph_62:

(Start: 75 @41078 has 29 MA's), (Start: 76 @41075 has 228 MA's), (Start: 83 @41063 has 5 MA's), (Start: 119 @41042 has 9 MA's), (137, 40991), (141, 40976), (151, 40955), (163, 40925), (175, 40895),

Gene: Bask21_37 Start: 32313, Stop: 32558, Start Num: 112

Candidate Starts for Bask21_37:

(Start: 112 @32313 has 172 MA's), (Start: 136 @32370 has 3 MA's), (148, 32403), (150, 32409), (173, 32463), (179, 32475),

Gene: Battleship_66 Start: 37873, Stop: 37604, Start Num: 100

Candidate Starts for Battleship_66:

(7, 38317), (14, 38215), (Start: 100 @37873 has 38 MA's), (178, 37696),

Gene: Baudelaire_33 Start: 27825, Stop: 28055, Start Num: 128

Candidate Starts for Baudelaire_33:

(Start: 111 @27789 has 84 MA's), (123, 27816), (Start: 128 @27825 has 2 MA's), (137, 27852), (148, 27882), (161, 27903), (175, 27942), (176, 27945), (179, 27948), (204, 28005), (206, 28014),

Gene: Bazzle_32 Start: 28660, Stop: 28926, Start Num: 111

Candidate Starts for Bazzle_32:

(Start: 111 @28660 has 84 MA's), (Start: 130 @28705 has 7 MA's), (149, 28756), (161, 28774), (180, 28822), (210, 28894), (220, 28915),

Gene: Beatrix_61 Start: 42133, Stop: 41867, Start Num: 76

Candidate Starts for Beatrix_61:

(Start: 75 @42136 has 29 MA's), (Start: 76 @42133 has 228 MA's), (Start: 83 @42121 has 5 MA's), (Start: 121 @42097 has 1 MA's), (Start: 136 @42052 has 3 MA's), (141, 42034), (151, 42013), (163, 41983), (175, 41953), (210, 41878),

Gene: Beaupre_32 Start: 22586, Stop: 22852, Start Num: 100

Candidate Starts for Beaupre_32:

(Start: 100 @22586 has 38 MA's), (Start: 115 @22601 has 156 MA's), (139, 22664), (145, 22682), (185, 22784),

Gene: Becksu_37 Start: 33318, Stop: 33563, Start Num: 112

Candidate Starts for Becksu_37:

(Start: 112 @33318 has 172 MA's), (Start: 136 @33375 has 3 MA's), (148, 33408), (150, 33414), (173, 33468), (179, 33480),

Gene: Beem_52 Start: 44133, Stop: 44378, Start Num: 112

Candidate Starts for Beem_52:

(Start: 112 @44133 has 172 MA's), (137, 44196), (148, 44226), (149, 44229), (176, 44289), (179, 44292), (180, 44295),

Gene: Beemo_58 Start: 38323, Stop: 38051, Start Num: 76

Candidate Starts for Beemo_58:

(Start: 76 @38323 has 228 MA's), (Start: 106 @38314 has 36 MA's), (Start: 134 @38257 has 1 MA's), (147, 38221), (163, 38182), (173, 38155), (178, 38143),

Gene: BeesKnees_64 Start: 40665, Stop: 40390, Start Num: 76

Candidate Starts for BeesKnees_64:

(Start: 76 @40665 has 228 MA's), (Start: 83 @40653 has 5 MA's), (137, 40572), (141, 40557), (151, 40536), (163, 40506), (175, 40476),

Gene: Beezoo_68 Start: 44417, Stop: 44659, Start Num: 115

Candidate Starts for Beezoo_68:

(Start: 115 @44417 has 156 MA's), (148, 44507), (194, 44603), (203, 44627),

Gene: Bella96_67 Start: 44208, Stop: 44450, Start Num: 115

Candidate Starts for Bella96_67:

(Start: 115 @44208 has 156 MA's), (148, 44298), (194, 44394), (203, 44418),

Gene: Belladonna_66 Start: 43622, Stop: 43864, Start Num: 115

Candidate Starts for Belladonna_66:

(Start: 115 @43622 has 156 MA's), (148, 43712), (194, 43808), (203, 43832),

Gene: Bellis_31 Start: 28787, Stop: 29053, Start Num: 111

Candidate Starts for Bellis_31:

(Start: 111 @28787 has 84 MA's), (Start: 119 @28799 has 9 MA's), (Start: 130 @28832 has 7 MA's),

Gene: Bench_39 Start: 32995, Stop: 33240, Start Num: 112

Candidate Starts for Bench_39:

(Start: 112 @32995 has 172 MA's), (Start: 136 @33052 has 3 MA's), (148, 33085), (150, 33091), (173, 33145), (179, 33157),

Gene: Benvolio_55 Start: 37700, Stop: 37428, Start Num: 76

Candidate Starts for Benvolio_55:

(Start: 76 @37700 has 228 MA's), (Start: 106 @37691 has 36 MA's), (Start: 116 @37679 has 1 MA's), (Start: 119 @37673 has 9 MA's), (166, 37550),

Gene: Bern_68 Start: 42879, Stop: 43121, Start Num: 115

Candidate Starts for Bern_68:

(Start: 76 @42834 has 228 MA's), (Start: 115 @42879 has 156 MA's), (148, 42969), (194, 43065), (203, 43089),

Gene: Berrie_34 Start: 25682, Stop: 25942, Start Num: 95

Candidate Starts for Berrie_34:

(19, 25445), (21, 25454), (Start: 95 @25682 has 26 MA's),

Gene: Bethlehem_61 Start: 42502, Stop: 42233, Start Num: 75

Candidate Starts for Bethlehem_61:

(Start: 75 @42502 has 29 MA's), (Start: 76 @42499 has 228 MA's), (Start: 83 @42487 has 5 MA's), (Start: 116 @42472 has 1 MA's), (Start: 119 @42466 has 9 MA's), (137, 42415), (141, 42400), (151, 42379), (163, 42349), (175, 42319), (210, 42244),

Gene: Bexan_59 Start: 41912, Stop: 41646, Start Num: 76

Candidate Starts for Bexan_59:

(Start: 75 @41915 has 29 MA's), (Start: 76 @41912 has 228 MA's), (Start: 83 @41900 has 5 MA's), (Start: 121 @41876 has 1 MA's), (Start: 136 @41831 has 3 MA's), (141, 41813), (163, 41762), (210, 41657),

Gene: Big3_63 Start: 42551, Stop: 42288, Start Num: 76

Candidate Starts for Big3_63:

(Start: 75 @42554 has 29 MA's), (Start: 76 @42551 has 228 MA's), (Start: 83 @42539 has 5 MA's), (Start: 119 @42518 has 9 MA's), (137, 42467), (141, 42452), (151, 42431), (163, 42401), (175, 42371), (210, 42299),

Gene: Big4_346 Start: 183627, Stop: 183857, Start Num: 127

Candidate Starts for Big4_346:

(Start: 127 @183627 has 6 MA's), (156, 183699), (208, 183846),

Gene: Big4_20 Start: 8933, Stop: 9163, Start Num: 127

Candidate Starts for Big4_20:

(Start: 127 @8933 has 6 MA's), (156, 9005), (208, 9152),

Gene: BigBubba_38 Start: 32898, Stop: 33143, Start Num: 112

Candidate Starts for BigBubba_38:

(Start: 112 @32898 has 172 MA's), (Start: 136 @32955 has 3 MA's), (148, 32988), (150, 32994), (171, 33042), (173, 33048), (179, 33060),

Gene: BigCheese_32 Start: 28422, Stop: 28688, Start Num: 111

Candidate Starts for BigCheese_32:

(Start: 111 @28422 has 84 MA's), (Start: 130 @28467 has 7 MA's), (149, 28518), (180, 28584), (210, 28656), (220, 28677),

Gene: BigPaolini_59 Start: 39208, Stop: 38933, Start Num: 76

Candidate Starts for BigPaolini_59:

(Start: 75 @39211 has 29 MA's), (Start: 76 @39208 has 228 MA's), (Start: 83 @39196 has 5 MA's), (Start: 119 @39166 has 9 MA's), (137, 39115), (141, 39100), (151, 39079), (163, 39049), (175, 39019),

Gene: Bigchungji_60 Start: 41000, Stop: 40725, Start Num: 76

Candidate Starts for Bigchungji_60:

(Start: 75 @41003 has 29 MA's), (Start: 76 @41000 has 228 MA's), (Start: 83 @40988 has 5 MA's), (137, 40907), (141, 40892), (151, 40871), (163, 40841), (175, 40811),

Gene: Bigfoot_54 Start: 40154, Stop: 39888, Start Num: 76

Candidate Starts for Bigfoot_54:

(Start: 75 @40157 has 29 MA's), (Start: 76 @40154 has 228 MA's), (Start: 83 @40142 has 5 MA's), (Start: 119 @40121 has 9 MA's), (137, 40070), (141, 40055), (151, 40034), (163, 40004), (175, 39974),

Gene: Biglebops_55 Start: 40941, Stop: 41186, Start Num: 115

Candidate Starts for Biglebops_55:

(60, 40869), (Start: 115 @40941 has 156 MA's), (157, 41046), (172, 41088), (194, 41124),

Gene: BilboSwaggins_37 Start: 33135, Stop: 33380, Start Num: 112

Candidate Starts for BilboSwaggins_37:

(Start: 112 @33135 has 172 MA's), (Start: 136 @33192 has 3 MA's), (148, 33225), (150, 33231), (173, 33285), (179, 33297),

Gene: Bircsak_61 Start: 42809, Stop: 42543, Start Num: 76

Candidate Starts for Bircsak_61:

(Start: 75 @42812 has 29 MA's), (Start: 76 @42809 has 228 MA's), (Start: 83 @42797 has 5 MA's), (Start: 119 @42776 has 9 MA's), (137, 42725), (141, 42710), (151, 42689), (163, 42659), (175, 42629),

Gene: Blizzard_66 Start: 43819, Stop: 44061, Start Num: 115

Candidate Starts for Blizzard_66:

(Start: 115 @43819 has 156 MA's), (148, 43909), (194, 44005), (203, 44029),

Gene: Bloom_112 Start: 87140, Stop: 87388, Start Num: 112

Candidate Starts for Bloom_112:

(Start: 112 @87140 has 172 MA's), (Start: 116 @87146 has 1 MA's), (Start: 119 @87152 has 9 MA's),

Gene: Blue_61 Start: 41818, Stop: 41588, Start Num: 121

Candidate Starts for Blue_61:

(Start: 75 @41857 has 29 MA's), (Start: 76 @41854 has 228 MA's), (Start: 83 @41842 has 5 MA's), (Start: 121 @41818 has 1 MA's), (Start: 136 @41773 has 3 MA's), (141, 41755), (163, 41704), (201, 41629), (210, 41599),

Gene: BobSwaget_54 Start: 37176, Stop: 36904, Start Num: 76

Candidate Starts for BobSwaget_54:

(Start: 76 @37176 has 228 MA's), (Start: 119 @37149 has 9 MA's), (166, 37026), (178, 36996),

Gene: Bobby_51 Start: 42712, Stop: 42957, Start Num: 112

Candidate Starts for Bobby_51:
(Start: 112 @42712 has 172 MA's), (166, 42844),

Gene: BobsGarage_32 Start: 28422, Stop: 28688, Start Num: 111
Candidate Starts for BobsGarage_32:
(Start: 111 @28422 has 84 MA's), (Start: 130 @28467 has 7 MA's), (149, 28518), (180, 28584), (210, 28656), (220, 28677),

Gene: BogosyJay_57 Start: 38245, Stop: 37973, Start Num: 76
Candidate Starts for BogosyJay_57:
(Start: 76 @38245 has 228 MA's), (Start: 106 @38236 has 36 MA's), (Start: 134 @38179 has 1 MA's), (147, 38143), (178, 38065),

Gene: Boiiii_66 Start: 43821, Stop: 44063, Start Num: 115
Candidate Starts for Boiiii_66:
(Start: 115 @43821 has 156 MA's), (148, 43911), (194, 44007), (203, 44031),

Gene: Boilgate_63 Start: 45255, Stop: 45500, Start Num: 103
Candidate Starts for Boilgate_63:
(Start: 103 @45255 has 1 MA's), (Start: 116 @45270 has 1 MA's), (209, 45486), (210, 45489),

Gene: Bombitas_49 Start: 43727, Stop: 43975, Start Num: 112
Candidate Starts for Bombitas_49:
(Start: 112 @43727 has 172 MA's), (166, 43859),

Gene: Bongo_39 Start: 32762, Stop: 33040, Start Num: 98
Candidate Starts for Bongo_39:
(44, 32651), (Start: 98 @32762 has 11 MA's), (Start: 112 @32780 has 172 MA's), (137, 32843), (172, 32930), (175, 32939), (179, 32948),

Gene: Boohoo_64 Start: 37667, Stop: 37398, Start Num: 100
Candidate Starts for Boohoo_64:
(7, 38111), (11, 38087), (14, 38009), (Start: 100 @37667 has 38 MA's), (178, 37490), (197, 37451),

Gene: BoostSeason_69 Start: 45667, Stop: 45912, Start Num: 115
Candidate Starts for BoostSeason_69:
(63, 45610), (66, 45616), (Start: 115 @45667 has 156 MA's), (148, 45757), (176, 45826), (194, 45850), (214, 45904),

Gene: Bosection6_49 Start: 33918, Stop: 34166, Start Num: 106
Candidate Starts for Bosection6_49:
(6, 33354), (17, 33573), (27, 33711), (33, 33744), (62, 33840), (Start: 106 @33918 has 36 MA's), (Start: 116 @33930 has 1 MA's), (148, 34014), (175, 34080), (176, 34083),

Gene: BourbonZero_30 Start: 28780, Stop: 29001, Start Num: 130
Candidate Starts for BourbonZero_30:
(Start: 111 @28735 has 84 MA's), (Start: 119 @28747 has 9 MA's), (Start: 130 @28780 has 7 MA's), (148, 28828),

Gene: Bowtie_58 Start: 37793, Stop: 37521, Start Num: 76
Candidate Starts for Bowtie_58:
(Start: 76 @37793 has 228 MA's), (Start: 106 @37784 has 36 MA's), (178, 37613),

Gene: Bradman_57 Start: 37421, Stop: 37149, Start Num: 76
Candidate Starts for Bradman_57:
(Start: 76 @37421 has 228 MA's), (Start: 116 @37400 has 1 MA's), (Start: 119 @37394 has 9 MA's),
(166, 37271), (171, 37259),

Gene: BrainDrainer_31 Start: 27763, Stop: 27981, Start Num: 130
Candidate Starts for BrainDrainer_31:
(Start: 111 @27718 has 84 MA's), (Start: 130 @27763 has 7 MA's), (179, 27877),

Gene: Breezona_32 Start: 28422, Stop: 28688, Start Num: 111
Candidate Starts for Breezona_32:
(Start: 111 @28422 has 84 MA's), (Start: 130 @28467 has 7 MA's), (149, 28518), (180, 28584), (210,
28656), (220, 28677),

Gene: Bricole_39 Start: 32748, Stop: 33026, Start Num: 98
Candidate Starts for Bricole_39:
(44, 32637), (Start: 98 @32748 has 11 MA's), (Start: 112 @32766 has 172 MA's), (137, 32829), (172,
32916), (175, 32925), (179, 32934),

Gene: Bromden_32 Start: 28137, Stop: 28400, Start Num: 111
Candidate Starts for Bromden_32:
(Start: 111 @28137 has 84 MA's), (Start: 130 @28182 has 7 MA's), (175, 28290), (210, 28371),

Gene: Bruin_37 Start: 33155, Stop: 33400, Start Num: 112
Candidate Starts for Bruin_37:
(Start: 112 @33155 has 172 MA's), (Start: 136 @33212 has 3 MA's), (148, 33245), (150, 33251), (173,
33305), (179, 33317),

Gene: BrutonGaster_100 Start: 65316, Stop: 65621, Start Num: 92
Candidate Starts for BrutonGaster_100:
(50, 65226), (Start: 92 @65316 has 2 MA's), (Start: 101 @65328 has 7 MA's), (173, 65496), (205,
65574),

Gene: Bryler_70 Start: 43476, Stop: 43715, Start Num: 115
Candidate Starts for Bryler_70:
(63, 43392), (Start: 115 @43476 has 156 MA's), (Start: 119 @43485 has 9 MA's), (148, 43566), (171,
43620),

Gene: Buck_36 Start: 33091, Stop: 33336, Start Num: 112
Candidate Starts for Buck_36:
(Start: 112 @33091 has 172 MA's), (Start: 136 @33148 has 3 MA's), (148, 33181), (150, 33187), (173,
33241), (179, 33253),

Gene: Bud_57 Start: 37340, Stop: 37068, Start Num: 76
Candidate Starts for Bud_57:
(Start: 76 @37340 has 228 MA's), (Start: 106 @37331 has 36 MA's), (178, 37160),

Gene: BugsBunny_35 Start: 32724, Stop: 32969, Start Num: 112
Candidate Starts for BugsBunny_35:
(Start: 112 @32724 has 172 MA's), (Start: 136 @32781 has 3 MA's), (148, 32814), (150, 32820), (173,
32874), (179, 32886),

Gene: Buggy_60 Start: 38826, Stop: 38554, Start Num: 76

Candidate Starts for Buggy_60:

(18, 39066), (22, 39027), (Start: 76 @38826 has 228 MA's), (Start: 106 @38817 has 36 MA's), (Start: 116 @38805 has 1 MA's), (Start: 119 @38799 has 9 MA's), (166, 38676),

Gene: Burton_63 Start: 42834, Stop: 42568, Start Num: 76

Candidate Starts for Burton_63:

(Start: 75 @42837 has 29 MA's), (Start: 76 @42834 has 228 MA's), (Start: 83 @42822 has 5 MA's), (Start: 119 @42801 has 9 MA's), (137, 42750), (141, 42735), (151, 42714), (163, 42684), (175, 42654), (210, 42579),

Gene: Butters_53 Start: 35513, Stop: 35761, Start Num: 106

Candidate Starts for Butters_53:

(33, 35339), (62, 35435), (Start: 106 @35513 has 36 MA's), (Start: 116 @35525 has 1 MA's), (148, 35609), (175, 35675), (176, 35678),

Gene: Buttons_59 Start: 38725, Stop: 38456, Start Num: 75

Candidate Starts for Buttons_59:

(Start: 75 @38725 has 29 MA's), (Start: 76 @38722 has 228 MA's), (Start: 83 @38710 has 5 MA's), (Start: 119 @38689 has 9 MA's), (137, 38638), (141, 38623), (151, 38602), (163, 38572), (175, 38542),

Gene: Bxb1_56 Start: 39835, Stop: 39569, Start Num: 76

Candidate Starts for Bxb1_56:

(Start: 75 @39838 has 29 MA's), (Start: 76 @39835 has 228 MA's), (Start: 83 @39823 has 5 MA's), (Start: 119 @39802 has 9 MA's), (137, 39751), (141, 39736), (151, 39715), (163, 39685), (175, 39655), (210, 39580),

Gene: C3_56 Start: 38705, Stop: 38394, Start Num: 56

Candidate Starts for C3_56:

(Start: 56 @38705 has 4 MA's), (Start: 76 @38666 has 228 MA's), (Start: 106 @38657 has 36 MA's), (147, 38564), (166, 38516), (178, 38486),

Gene: C3PO_50 Start: 43697, Stop: 43407, Start Num: 104

Candidate Starts for C3PO_50:

(Start: 104 @43697 has 11 MA's), (132, 43634), (171, 43520), (175, 43508),

Gene: CREW_66 Start: 43622, Stop: 43864, Start Num: 115

Candidate Starts for CREW_66:

(Start: 115 @43622 has 156 MA's), (148, 43712), (194, 43808), (203, 43832),

Gene: Cactus_38 Start: 32346, Stop: 32591, Start Num: 112

Candidate Starts for Cactus_38:

(Start: 112 @32346 has 172 MA's), (Start: 136 @32403 has 3 MA's), (148, 32436), (150, 32442), (173, 32496), (179, 32508),

Gene: CactusRose_62 Start: 41174, Stop: 40908, Start Num: 76

Candidate Starts for CactusRose_62:

(Start: 75 @41177 has 29 MA's), (Start: 76 @41174 has 228 MA's), (Start: 83 @41162 has 5 MA's), (Start: 119 @41141 has 9 MA's), (137, 41090), (141, 41075), (151, 41054), (163, 41024), (175, 40994),

Gene: Cain_70 Start: 43464, Stop: 43703, Start Num: 115

Candidate Starts for Cain_70:

(63, 43380), (Start: 115 @43464 has 156 MA's), (Start: 119 @43473 has 9 MA's), (148, 43554), (171, 43608),

Gene: CallaLilly_68 Start: 43545, Stop: 43787, Start Num: 115
Candidate Starts for CallaLilly_68:
(Start: 115 @43545 has 156 MA's), (148, 43635), (194, 43731), (203, 43755),

Gene: Calm_30 Start: 27704, Stop: 27973, Start Num: 111
Candidate Starts for Calm_30:
(Start: 111 @27704 has 84 MA's), (Start: 130 @27749 has 7 MA's), (175, 27857),

Gene: Candle_40 Start: 36392, Stop: 36637, Start Num: 125
Candidate Starts for Candle_40:
(Start: 104 @36350 has 11 MA's), (Start: 125 @36392 has 9 MA's), (132, 36413), (140, 36434), (148, 36461), (185, 36560), (187, 36563), (189, 36566), (206, 36617),

Gene: Cappuccino_31 Start: 22494, Stop: 22760, Start Num: 100
Candidate Starts for Cappuccino_31:
(Start: 100 @22494 has 38 MA's), (Start: 109 @22503 has 10 MA's), (Start: 115 @22509 has 156 MA's), (139, 22572),

Gene: Capricorn_66 Start: 43622, Stop: 43864, Start Num: 115
Candidate Starts for Capricorn_66:
(Start: 115 @43622 has 156 MA's), (148, 43712), (194, 43808), (203, 43832),

Gene: Caraxes_58 Start: 36944, Stop: 36672, Start Num: 76
Candidate Starts for Caraxes_58:
(Start: 76 @36944 has 228 MA's), (Start: 119 @36917 has 9 MA's), (166, 36794), (171, 36782),

Gene: Carcharodon_50 Start: 34905, Stop: 35153, Start Num: 106
Candidate Starts for Carcharodon_50:
(12, 34491), (27, 34698), (33, 34731), (62, 34827), (Start: 106 @34905 has 36 MA's), (Start: 116 @34917 has 1 MA's), (Start: 119 @34923 has 9 MA's), (148, 35001), (175, 35067), (176, 35070),

Gene: Cardigan_134 Start: 76224, Stop: 76523, Start Num: 99
Candidate Starts for Cardigan_134:
(Start: 99 @76224 has 17 MA's), (Start: 131 @76284 has 1 MA's), (147, 76326), (150, 76335), (163, 76371), (175, 76401), (190, 76431),

Gene: Carlyle_62 Start: 39960, Stop: 39694, Start Num: 76
Candidate Starts for Carlyle_62:
(Start: 75 @39963 has 29 MA's), (Start: 76 @39960 has 228 MA's), (Start: 83 @39948 has 5 MA's), (Start: 121 @39924 has 1 MA's), (Start: 136 @39879 has 3 MA's), (141, 39861), (162, 39813), (163, 39810), (201, 39735), (210, 39705),

Gene: Caron_44 Start: 27999, Stop: 28262, Start Num: 97
Candidate Starts for Caron_44:
(38, 27885), (39, 27888), (Start: 97 @27999 has 10 MA's), (Start: 131 @28053 has 1 MA's),

Gene: CaseJules_68 Start: 43819, Stop: 44061, Start Num: 115
Candidate Starts for CaseJules_68:
(Start: 115 @43819 has 156 MA's), (148, 43909), (194, 44005), (203, 44029),

Gene: Cassia_34 Start: 25274, Stop: 25540, Start Num: 95
Candidate Starts for Cassia_34:

(Start: 95 @25274 has 26 MA's), (176, 25457),

Gene: Cassita_54 Start: 33514, Stop: 33735, Start Num: 115

Candidate Starts for Cassita_54:

(31, 33349), (40, 33376), (41, 33379), (Start: 115 @33514 has 156 MA's), (150, 33607),

Gene: Catalina_59 Start: 38226, Stop: 37954, Start Num: 76

Candidate Starts for Catalina_59:

(Start: 76 @38226 has 228 MA's), (Start: 106 @38217 has 36 MA's), (Start: 134 @38160 has 1 MA's), (147, 38124), (163, 38085), (173, 38058), (178, 38046),

Gene: Catfish_63 Start: 40933, Stop: 41151, Start Num: 115

Candidate Starts for Catfish_63:

(Start: 115 @40933 has 156 MA's), (Start: 129 @40966 has 1 MA's), (166, 41056),

Gene: Cece_195 Start: 119232, Stop: 118984, Start Num: 112

Candidate Starts for Cece_195:

(79, 119280), (89, 119265), (Start: 112 @119232 has 172 MA's), (160, 119118), (171, 119097), (190, 119052),

Gene: Cen1621_38 Start: 25188, Stop: 25475, Start Num: 78

Candidate Starts for Cen1621_38:

(Start: 78 @25188 has 1 MA's), (Start: 114 @25215 has 5 MA's), (170, 25371), (179, 25395),

Gene: Chanagan_56 Start: 38816, Stop: 38541, Start Num: 76

Candidate Starts for Chanagan_56:

(Start: 75 @38819 has 29 MA's), (Start: 76 @38816 has 228 MA's), (Start: 83 @38804 has 5 MA's), (Start: 119 @38774 has 9 MA's), (137, 38723), (141, 38708), (151, 38687), (163, 38657), (175, 38627),

Gene: Charlie_51 Start: 33657, Stop: 33905, Start Num: 106

Candidate Starts for Charlie_51:

(6, 33093), (17, 33312), (27, 33450), (33, 33483), (62, 33579), (Start: 106 @33657 has 36 MA's), (Start: 116 @33669 has 1 MA's), (148, 33753), (175, 33819), (176, 33822),

Gene: Charm_56 Start: 38090, Stop: 37818, Start Num: 76

Candidate Starts for Charm_56:

(Start: 76 @38090 has 228 MA's), (Start: 134 @38024 has 1 MA's), (147, 37988), (173, 37922), (178, 37910), (182, 37901),

Gene: Chaser_30 Start: 27536, Stop: 27799, Start Num: 111

Candidate Starts for Chaser_30:

(Start: 111 @27536 has 84 MA's), (Start: 130 @27581 has 7 MA's), (179, 27695),

Gene: Chavito_69 Start: 44664, Stop: 44903, Start Num: 114

Candidate Starts for Chavito_69:

(69, 44589), (Start: 114 @44664 has 5 MA's), (148, 44754), (171, 44808),

Gene: Che12_59 Start: 37385, Stop: 37113, Start Num: 76

Candidate Starts for Che12_59:

(Start: 76 @37385 has 228 MA's), (Start: 119 @37358 has 9 MA's), (132, 37322), (150, 37274), (166, 37235), (171, 37223), (178, 37205),

Gene: CheetoDust_66 Start: 43333, Stop: 43575, Start Num: 115

Candidate Starts for CheetoDust_66:

(Start: 76 @43288 has 228 MA's), (Start: 115 @43333 has 156 MA's), (148, 43423), (194, 43519), (203, 43543),

Gene: CherryTomatoes_78 Start: 28836, Stop: 29102, Start Num: 112

Candidate Starts for CherryTomatoes_78:

(Start: 112 @28836 has 172 MA's), (Start: 130 @28884 has 7 MA's), (178, 29004), (204, 29064),

Gene: Chewbacca_52 Start: 34905, Stop: 35153, Start Num: 106

Candidate Starts for Chewbacca_52:

(12, 34491), (27, 34698), (33, 34731), (62, 34827), (Start: 106 @34905 has 36 MA's), (Start: 116 @34917 has 1 MA's), (Start: 119 @34923 has 9 MA's), (148, 35001), (175, 35067), (176, 35070),

Gene: Chilliams_107 Start: 79905, Stop: 80147, Start Num: 112

Candidate Starts for Chilliams_107:

(79, 79857), (Start: 112 @79905 has 172 MA's), (148, 79995),

Gene: ChipMunk_60 Start: 40026, Stop: 39754, Start Num: 76

Candidate Starts for ChipMunk_60:

(Start: 76 @40026 has 228 MA's), (Start: 106 @40017 has 36 MA's), (Start: 116 @40005 has 1 MA's), (Start: 119 @39999 has 9 MA's), (166, 39876),

Gene: ChosenOne_37 Start: 32343, Stop: 32588, Start Num: 112

Candidate Starts for ChosenOne_37:

(Start: 112 @32343 has 172 MA's), (Start: 136 @32400 has 3 MA's), (148, 32433), (150, 32439), (173, 32493), (179, 32505),

Gene: ChotaBhai_37 Start: 32381, Stop: 32626, Start Num: 112

Candidate Starts for ChotaBhai_37:

(Start: 112 @32381 has 172 MA's), (Start: 136 @32438 has 3 MA's), (148, 32471), (150, 32477), (171, 32525), (173, 32531), (179, 32543),

Gene: Chris_69 Start: 44665, Stop: 44892, Start Num: 115

Candidate Starts for Chris_69:

(Start: 115 @44665 has 156 MA's), (171, 44797), (194, 44836),

Gene: Ciao_60 Start: 40180, Stop: 39914, Start Num: 76

Candidate Starts for Ciao_60:

(Start: 75 @40183 has 29 MA's), (Start: 76 @40180 has 228 MA's), (Start: 83 @40168 has 5 MA's), (Start: 119 @40147 has 9 MA's), (137, 40096), (141, 40081), (151, 40060), (163, 40030), (175, 40000),

Gene: CicholasNage_30 Start: 27692, Stop: 27961, Start Num: 111

Candidate Starts for CicholasNage_30:

(Start: 111 @27692 has 84 MA's), (Start: 130 @27737 has 7 MA's), (175, 27845),

Gene: Cjw1_37 Start: 33895, Stop: 34140, Start Num: 112

Candidate Starts for Cjw1_37:

(Start: 112 @33895 has 172 MA's), (Start: 136 @33952 has 3 MA's), (148, 33985), (150, 33991), (173, 34045), (179, 34057),

Gene: Claus_32 Start: 28444, Stop: 28665, Start Num: 130

Candidate Starts for Claus_32:

(Start: 111 @28399 has 84 MA's), (Start: 130 @28444 has 7 MA's), (149, 28495), (161, 28513), (210, 28633), (220, 28654),

Gene: Clautastrophe_31 Start: 28784, Stop: 29050, Start Num: 111

Candidate Starts for Clautastrophe_31:

(Start: 111 @28784 has 84 MA's), (Start: 119 @28796 has 9 MA's), (Start: 130 @28829 has 7 MA's),

Gene: Clipper_71 Start: 44521, Stop: 44763, Start Num: 115

Candidate Starts for Clipper_71:

(Start: 115 @44521 has 156 MA's), (148, 44611), (194, 44707), (203, 44731),

Gene: ClubL_125 Start: 70565, Stop: 70858, Start Num: 99

Candidate Starts for ClubL_125:

(Start: 99 @70565 has 17 MA's), (Start: 128 @70613 has 2 MA's), (175, 70742),

Gene: Collard_58 Start: 40730, Stop: 40978, Start Num: 115

Candidate Starts for Collard_58:

(Start: 115 @40730 has 156 MA's), (164, 40862), (176, 40892), (198, 40925),

Gene: Command613_38 Start: 33402, Stop: 33647, Start Num: 112

Candidate Starts for Command613_38:

(Start: 112 @33402 has 172 MA's), (Start: 136 @33459 has 3 MA's), (148, 33492), (150, 33498), (173, 33552), (179, 33564),

Gene: Community_34 Start: 26806, Stop: 27072, Start Num: 95

Candidate Starts for Community_34:

(19, 26569), (21, 26578), (Start: 95 @26806 has 26 MA's),

Gene: ConceptII_64 Start: 42246, Stop: 41980, Start Num: 76

Candidate Starts for ConceptII_64:

(Start: 75 @42249 has 29 MA's), (Start: 76 @42246 has 228 MA's), (Start: 83 @42234 has 5 MA's), (Start: 119 @42213 has 9 MA's), (137, 42162), (141, 42147), (151, 42126), (163, 42096), (175, 42066),

Gene: Conquerage_58 Start: 38297, Stop: 38025, Start Num: 76

Candidate Starts for Conquerage_58:

(Start: 76 @38297 has 228 MA's), (Start: 106 @38288 has 36 MA's), (Start: 134 @38231 has 1 MA's), (147, 38195), (163, 38156), (173, 38129), (178, 38117),

Gene: Constella_44 Start: 40270, Stop: 40518, Start Num: 112

Candidate Starts for Constella_44:

(Start: 112 @40270 has 172 MA's), (Start: 129 @40309 has 1 MA's), (148, 40363), (149, 40366), (175, 40423), (194, 40459), (210, 40507),

Gene: Contagion_36 Start: 32639, Stop: 32884, Start Num: 112

Candidate Starts for Contagion_36:

(Start: 112 @32639 has 172 MA's), (Start: 136 @32696 has 3 MA's), (148, 32729), (150, 32735), (171, 32783), (173, 32789), (179, 32801),

Gene: Cookies_37 Start: 33004, Stop: 33249, Start Num: 112

Candidate Starts for Cookies_37:

(Start: 112 @33004 has 172 MA's), (Start: 136 @33061 has 3 MA's), (148, 33094), (150, 33100), (171, 33148), (173, 33154), (179, 33166),

Gene: Corvo_63 Start: 42111, Stop: 41845, Start Num: 76

Candidate Starts for Corvo_63:

(Start: 75 @42114 has 29 MA's), (Start: 76 @42111 has 228 MA's), (Start: 83 @42099 has 5 MA's),
(Start: 119 @42078 has 9 MA's), (137, 42027), (141, 42012), (151, 41991), (163, 41961), (175, 41931),
(210, 41856),

Gene: Cosmo_53 Start: 39361, Stop: 39609, Start Num: 112

Candidate Starts for Cosmo_53:

(Start: 112 @39361 has 172 MA's), (143, 39442), (163, 39490), (176, 39523), (178, 39526), (179,
39529), (194, 39562), (206, 39598),

Gene: Count_87 Start: 57913, Stop: 58173, Start Num: 104

Candidate Starts for Count_87:

(Start: 104 @57913 has 11 MA's),

Gene: Courthouse_51 Start: 40812, Stop: 41051, Start Num: 119

Candidate Starts for Courthouse_51:

(Start: 119 @40812 has 9 MA's), (Start: 129 @40839 has 1 MA's), (148, 40893), (149, 40896), (175,
40953), (194, 40989),

Gene: Crewmate_37 Start: 25536, Stop: 25778, Start Num: 96

Candidate Starts for Crewmate_37:

(19, 25278), (26, 25314), (Start: 96 @25536 has 5 MA's),

Gene: CrimD_68 Start: 44444, Stop: 44686, Start Num: 115

Candidate Starts for CrimD_68:

(Start: 115 @44444 has 156 MA's), (148, 44534), (194, 44630),

Gene: Crossroads_32 Start: 28422, Stop: 28688, Start Num: 111

Candidate Starts for Crossroads_32:

(Start: 111 @28422 has 84 MA's), (Start: 130 @28467 has 7 MA's), (149, 28518), (180, 28584), (210,
28656), (220, 28677),

Gene: Crucio_58 Start: 38443, Stop: 38171, Start Num: 76

Candidate Starts for Crucio_58:

(Start: 76 @38443 has 228 MA's), (Start: 106 @38434 has 36 MA's), (Start: 116 @38422 has 1 MA's),
(Start: 119 @38416 has 9 MA's), (166, 38293),

Gene: Cruella_50 Start: 43697, Stop: 43407, Start Num: 104

Candidate Starts for Cruella_50:

(Start: 104 @43697 has 11 MA's), (132, 43634), (171, 43520), (175, 43508),

Gene: CrystalP_37 Start: 33135, Stop: 33380, Start Num: 112

Candidate Starts for CrystalP_37:

(Start: 112 @33135 has 172 MA's), (Start: 136 @33192 has 3 MA's), (148, 33225), (150, 33231), (173,
33285), (179, 33297),

Gene: Cucurbita_126 Start: 72310, Stop: 72600, Start Num: 101

Candidate Starts for Cucurbita_126:

(49, 72202), (53, 72217), (73, 72262), (Start: 101 @72310 has 7 MA's), (Start: 128 @72355 has 2
MA's), (175, 72484),

Gene: Culver_125 Start: 70325, Stop: 70618, Start Num: 99

Candidate Starts for Culver_125:

(Start: 99 @70325 has 17 MA's), (Start: 128 @70373 has 2 MA's), (175, 70502),

Gene: Curiosium_70 Start: 43138, Stop: 43380, Start Num: 115

Candidate Starts for Curiosium_70:

(60, 43060), (Start: 115 @43138 has 156 MA's), (148, 43228), (194, 43324), (203, 43348),

Gene: Cyan_33 Start: 24752, Stop: 24994, Start Num: 95

Candidate Starts for Cyan_33:

(19, 24494), (Start: 95 @24752 has 26 MA's), (176, 24911),

Gene: Czyszczone1_38 Start: 32880, Stop: 33125, Start Num: 112

Candidate Starts for Czyszczone1_38:

(Start: 112 @32880 has 172 MA's), (Start: 136 @32937 has 3 MA's), (148, 32970), (150, 32976), (173, 33030), (179, 33042),

Gene: D29_56 Start: 38269, Stop: 37997, Start Num: 76

Candidate Starts for D29_56:

(Start: 76 @38269 has 228 MA's), (Start: 106 @38260 has 36 MA's), (147, 38167), (178, 38089), (203, 38035),

Gene: D32_59 Start: 38269, Stop: 37997, Start Num: 76

Candidate Starts for D32_59:

(Start: 76 @38269 has 228 MA's), (Start: 106 @38260 has 36 MA's), (147, 38167), (178, 38089), (203, 38035),

Gene: DBQu4n_60 Start: 38250, Stop: 37978, Start Num: 76

Candidate Starts for DBQu4n_60:

(Start: 76 @38250 has 228 MA's), (Start: 106 @38241 has 36 MA's), (147, 38148), (178, 38070), (203, 38016),

Gene: DD5_60 Start: 41693, Stop: 41418, Start Num: 76

Candidate Starts for DD5_60:

(Start: 76 @41693 has 228 MA's), (Start: 83 @41681 has 5 MA's), (Start: 119 @41651 has 9 MA's), (137, 41600), (141, 41585), (151, 41564), (162, 41537), (163, 41534), (175, 41504), (210, 41429),

Gene: DHan_32 Start: 28380, Stop: 28601, Start Num: 130

Candidate Starts for DHan_32:

(Start: 111 @28335 has 84 MA's), (Start: 130 @28380 has 7 MA's), (149, 28431), (161, 28449), (210, 28569), (220, 28590),

Gene: DS6A_74 Start: 48826, Stop: 49065, Start Num: 112

Candidate Starts for DS6A_74:

(28, 48631), (Start: 112 @48826 has 172 MA's), (Start: 130 @48868 has 7 MA's), (141, 48901), (176, 48985),

Gene: Daddyjeff_52 Start: 34278, Stop: 34511, Start Num: 100

Candidate Starts for Daddyjeff_52:

(Start: 100 @34278 has 38 MA's), (166, 34413),

Gene: Dadosky_62 Start: 41083, Stop: 41331, Start Num: 115

Candidate Starts for Dadosky_62:

(Start: 115 @41083 has 156 MA's), (141, 41158), (172, 41230),

Gene: Daikon_36 Start: 32873, Stop: 33118, Start Num: 112

Candidate Starts for Daikon_36:

(Start: 112 @32873 has 172 MA's), (Start: 136 @32930 has 3 MA's), (148, 32963), (150, 32969), (171, 33017), (173, 33023), (179, 33035),

Gene: Dallas_54 Start: 43667, Stop: 43912, Start Num: 112

Candidate Starts for Dallas_54:

(Start: 112 @43667 has 172 MA's), (137, 43730), (148, 43760), (149, 43763), (176, 43823), (179, 43826), (180, 43829),

Gene: Dalmatian_59 Start: 38649, Stop: 38377, Start Num: 76

Candidate Starts for Dalmatian_59:

(Start: 76 @38649 has 228 MA's), (Start: 106 @38640 has 36 MA's), (Start: 116 @38628 has 1 MA's), (Start: 119 @38622 has 9 MA's), (166, 38499), (178, 38469),

Gene: Dalmuri_66 Start: 43622, Stop: 43864, Start Num: 115

Candidate Starts for Dalmuri_66:

(Start: 115 @43622 has 156 MA's), (148, 43712), (194, 43808), (203, 43832),

Gene: DanBing_31 Start: 28284, Stop: 28505, Start Num: 130

Candidate Starts for DanBing_31:

(Start: 111 @28239 has 84 MA's), (Start: 130 @28284 has 7 MA's), (149, 28335), (210, 28473), (220, 28494),

Gene: Dardanus_57 Start: 37159, Stop: 37398, Start Num: 111

Candidate Starts for Dardanus_57:

(49, 37051), (Start: 111 @37159 has 84 MA's), (Start: 131 @37201 has 1 MA's), (151, 37252), (153, 37255), (173, 37306), (176, 37315), (193, 37336),

Gene: Daredevil_75 Start: 52964, Stop: 52707, Start Num: 99

Candidate Starts for Daredevil_75:

(72, 53015), (77, 53000), (82, 52991), (84, 52988), (Start: 99 @52964 has 17 MA's), (176, 52793),

Gene: Darrell_60 Start: 38922, Stop: 38650, Start Num: 76

Candidate Starts for Darrell_60:

(Start: 76 @38922 has 228 MA's), (Start: 106 @38913 has 36 MA's), (Start: 134 @38856 has 1 MA's), (147, 38820), (166, 38772), (183, 38730),

Gene: DarthP_66 Start: 43967, Stop: 44206, Start Num: 115

Candidate Starts for DarthP_66:

(Start: 115 @43967 has 156 MA's), (148, 44057), (172, 44117),

Gene: DarthPhader_54 Start: 39183, Stop: 38911, Start Num: 76

Candidate Starts for DarthPhader_54:

(Start: 76 @39183 has 228 MA's), (Start: 106 @39174 has 36 MA's), (147, 39081), (166, 39033), (175, 39009), (178, 39003),

Gene: Dartin_69 Start: 44123, Stop: 44362, Start Num: 113

Candidate Starts for Dartin_69:

(Start: 113 @44123 has 5 MA's), (148, 44213), (163, 44249), (171, 44267), (203, 44330),

Gene: Darwin_54 Start: 43178, Stop: 42882, Start Num: 104

Candidate Starts for Darwin_54:

(Start: 104 @43178 has 11 MA's), (132, 43115), (171, 43001), (175, 42989), (189, 42959), (191, 42956), (215, 42887),

Gene: DatBoi_82 Start: 57093, Stop: 56827, Start Num: 99

Candidate Starts for DatBoi_82:

(81, 57123), (Start: 83 @57120 has 5 MA's), (Start: 99 @57093 has 17 MA's),

Gene: Deby_67 Start: 44105, Stop: 44347, Start Num: 115

Candidate Starts for Deby_67:

(Start: 115 @44105 has 156 MA's), (148, 44195), (194, 44291), (203, 44315),

Gene: DekHockey33_65 Start: 37959, Stop: 37690, Start Num: 100

Candidate Starts for DekHockey33_65:

(7, 38403), (14, 38301), (Start: 100 @37959 has 38 MA's), (178, 37782),

Gene: Devera_74 Start: 45458, Stop: 45700, Start Num: 115

Candidate Starts for Devera_74:

(Start: 115 @45458 has 156 MA's), (148, 45548), (194, 45644), (203, 45668),

Gene: Dexes_62 Start: 41896, Stop: 41630, Start Num: 76

Candidate Starts for Dexes_62:

(Start: 75 @41899 has 29 MA's), (Start: 76 @41896 has 228 MA's), (Start: 83 @41884 has 5 MA's), (Start: 119 @41863 has 9 MA's), (137, 41812), (141, 41797), (151, 41776), (163, 41746), (175, 41716), (210, 41641),

Gene: Dignity_60 Start: 38849, Stop: 38577, Start Num: 76

Candidate Starts for Dignity_60:

(Start: 76 @38849 has 228 MA's), (Start: 106 @38840 has 36 MA's), (Start: 116 @38828 has 1 MA's), (Start: 119 @38822 has 9 MA's), (166, 38699),

Gene: Diminimus_40 Start: 32761, Stop: 33039, Start Num: 98

Candidate Starts for Diminimus_40:

(44, 32650), (Start: 98 @32761 has 11 MA's), (Start: 112 @32779 has 172 MA's), (137, 32842), (172, 32929), (175, 32938), (179, 32947),

Gene: DinoDaryn_63 Start: 39006, Stop: 39230, Start Num: 111

Candidate Starts for DinoDaryn_63:

(Start: 111 @39006 has 84 MA's), (Start: 131 @39048 has 1 MA's), (148, 39093), (153, 39102), (173, 39153), (176, 39162), (193, 39183),

Gene: DirkDirk_30 Start: 27718, Stop: 27942, Start Num: 130

Candidate Starts for DirkDirk_30:

(Start: 111 @27673 has 84 MA's), (Start: 130 @27718 has 7 MA's), (175, 27826),

Gene: DismalFunk_69 Start: 46092, Stop: 46337, Start Num: 115

Candidate Starts for DismalFunk_69:

(63, 46035), (66, 46041), (Start: 115 @46092 has 156 MA's), (148, 46182), (163, 46218), (176, 46251),

Gene: DismalStressor_69 Start: 46092, Stop: 46337, Start Num: 115

Candidate Starts for DismalStressor_69:

(63, 46035), (66, 46041), (Start: 115 @46092 has 156 MA's), (148, 46182), (163, 46218), (176, 46251),

Gene: DmpstrDiver_53 Start: 43660, Stop: 43905, Start Num: 112
Candidate Starts for DmpstrDiver_53:
(Start: 112 @43660 has 172 MA's), (137, 43723), (148, 43753), (149, 43756), (176, 43816), (179, 43819), (180, 43822),

Gene: DoctorDiddles_37 Start: 32297, Stop: 32542, Start Num: 112
Candidate Starts for DoctorDiddles_37:
(Start: 112 @32297 has 172 MA's), (Start: 136 @32354 has 3 MA's), (148, 32387), (150, 32393), (171, 32441), (173, 32447), (179, 32459),

Gene: Dodo_371 Start: 185243, Stop: 185473, Start Num: 127
Candidate Starts for Dodo_371:
(Start: 127 @185243 has 6 MA's), (156, 185315), (171, 185357), (204, 185444), (208, 185462),

Gene: Dodo_21 Start: 7043, Stop: 7273, Start Num: 127
Candidate Starts for Dodo_21:
(Start: 127 @7043 has 6 MA's), (156, 7115), (171, 7157), (204, 7244), (208, 7262),

Gene: Dole_72 Start: 45461, Stop: 45703, Start Num: 115
Candidate Starts for Dole_72:
(Start: 115 @45461 has 156 MA's), (148, 45551), (194, 45647), (203, 45671),

Gene: Donkey_31 Start: 22496, Stop: 22762, Start Num: 100
Candidate Starts for Donkey_31:
(Start: 100 @22496 has 38 MA's), (Start: 109 @22505 has 10 MA's), (Start: 115 @22511 has 156 MA's), (139, 22574),

Gene: Doom_60 Start: 41667, Stop: 41392, Start Num: 76
Candidate Starts for Doom_60:
(Start: 75 @41670 has 29 MA's), (Start: 76 @41667 has 228 MA's), (Start: 83 @41655 has 5 MA's), (Start: 119 @41625 has 9 MA's), (137, 41574), (141, 41559), (151, 41538), (163, 41508), (175, 41478),

Gene: Douge_30 Start: 27474, Stop: 27737, Start Num: 111
Candidate Starts for Douge_30:
(Start: 111 @27474 has 84 MA's), (Start: 130 @27519 has 7 MA's), (148, 27567), (179, 27633),

Gene: Doughnut_70 Start: 45708, Stop: 45953, Start Num: 115
Candidate Starts for Doughnut_70:
(60, 45645), (Start: 115 @45708 has 156 MA's), (148, 45798), (176, 45867),

Gene: Douzhi_30 Start: 27624, Stop: 27842, Start Num: 130
Candidate Starts for Douzhi_30:
(Start: 111 @27579 has 84 MA's), (Start: 130 @27624 has 7 MA's), (179, 27738),

Gene: Dove_49 Start: 43194, Stop: 43442, Start Num: 112
Candidate Starts for Dove_49:
(Start: 112 @43194 has 172 MA's), (Start: 129 @43233 has 1 MA's), (148, 43287), (149, 43290), (175, 43347), (194, 43383), (210, 43431),

Gene: DrDrey_38 Start: 33627, Stop: 33872, Start Num: 112
Candidate Starts for DrDrey_38:
(Start: 112 @33627 has 172 MA's), (Start: 136 @33684 has 3 MA's), (148, 33717), (150, 33723), (173, 33777), (179, 33789),

Gene: DrFeelGood_58 Start: 40034, Stop: 39777, Start Num: 86
Candidate Starts for DrFeelGood_58:
(Start: 86 @40034 has 10 MA's), (Start: 116 @40016 has 1 MA's), (Start: 119 @40010 has 9 MA's),
(137, 39959), (141, 39944), (151, 39923), (163, 39893), (175, 39863),

Gene: DrHayes_67 Start: 44362, Stop: 44604, Start Num: 115
Candidate Starts for DrHayes_67:
(Start: 115 @44362 has 156 MA's), (148, 44452), (194, 44548), (203, 44572),

Gene: DrManhattan_32 Start: 23095, Stop: 23340, Start Num: 111
Candidate Starts for DrManhattan_32:
(13, 22726), (19, 22840), (26, 22876), (Start: 111 @23095 has 84 MA's),

Gene: DrSeegs_32 Start: 28422, Stop: 28688, Start Num: 111
Candidate Starts for DrSeegs_32:
(Start: 111 @28422 has 84 MA's), (Start: 130 @28467 has 7 MA's), (149, 28518), (180, 28584), (210,
28656), (220, 28677),

Gene: DrSierra_32 Start: 23583, Stop: 23849, Start Num: 95
Candidate Starts for DrSierra_32:
(19, 23325), (26, 23361), (52, 23499), (Start: 95 @23583 has 26 MA's), (176, 23766),

Gene: DreamTeam1_56 Start: 37922, Stop: 37650, Start Num: 76
Candidate Starts for DreamTeam1_56:
(Start: 76 @37922 has 228 MA's), (Start: 134 @37856 has 1 MA's), (147, 37820), (173, 37754), (178,
37742), (182, 37733),

Gene: Dreamboat_63 Start: 40328, Stop: 40062, Start Num: 76
Candidate Starts for Dreamboat_63:
(Start: 76 @40328 has 228 MA's), (Start: 83 @40316 has 5 MA's), (Start: 116 @40301 has 1 MA's),
(Start: 119 @40295 has 9 MA's), (137, 40244), (141, 40229), (151, 40208), (163, 40178), (175, 40148),
(210, 40073),

Gene: DudeLittle_57 Start: 38415, Stop: 38143, Start Num: 76
Candidate Starts for DudeLittle_57:
(Start: 76 @38415 has 228 MA's), (Start: 106 @38406 has 36 MA's), (Start: 116 @38394 has 1 MA's),
(Start: 119 @38388 has 9 MA's), (166, 38265), (178, 38235),

Gene: Duke13_55 Start: 43999, Stop: 44247, Start Num: 112
Candidate Starts for Duke13_55:
(Start: 112 @43999 has 172 MA's), (166, 44131),

Gene: Dulcie_62 Start: 42668, Stop: 42411, Start Num: 86
Candidate Starts for Dulcie_62:
(Start: 86 @42668 has 10 MA's), (Start: 116 @42650 has 1 MA's), (Start: 119 @42644 has 9 MA's),
(137, 42593), (141, 42578), (151, 42557), (163, 42527), (175, 42497),

Gene: Dulcita_40 Start: 32761, Stop: 33039, Start Num: 98
Candidate Starts for Dulcita_40:
(44, 32650), (Start: 98 @32761 has 11 MA's), (Start: 112 @32779 has 172 MA's), (137, 32842), (172,
32929), (175, 32938), (179, 32947),

Gene: Dumbo_37 Start: 32602, Stop: 32847, Start Num: 112
Candidate Starts for Dumbo_37:
(Start: 112 @32602 has 172 MA's), (Start: 136 @32659 has 3 MA's), (148, 32692), (150, 32698), (173, 32752), (179, 32764),

Gene: DuncansLeg_31 Start: 28758, Stop: 29024, Start Num: 111
Candidate Starts for DuncansLeg_31:
(Start: 111 @28758 has 84 MA's), (Start: 119 @28770 has 9 MA's), (Start: 130 @28803 has 7 MA's), (148, 28851),

Gene: DunneganBoMo_101 Start: 82929, Stop: 83189, Start Num: 112
Candidate Starts for DunneganBoMo_101:
(Start: 112 @82929 has 172 MA's), (190, 83118), (203, 83148), (204, 83151),

Gene: Duplicity_50 Start: 34914, Stop: 35162, Start Num: 106
Candidate Starts for Duplicity_50:
(12, 34500), (27, 34707), (33, 34740), (62, 34836), (Start: 106 @34914 has 36 MA's), (Start: 116 @34926 has 1 MA's), (Start: 119 @34932 has 9 MA's), (148, 35010), (175, 35076), (176, 35079),

Gene: Duplo_60 Start: 38306, Stop: 38034, Start Num: 76
Candidate Starts for Duplo_60:
(Start: 76 @38306 has 228 MA's), (Start: 106 @38297 has 36 MA's), (147, 38204), (178, 38126), (203, 38072),

Gene: Durfee_66 Start: 43819, Stop: 44061, Start Num: 115
Candidate Starts for Durfee_66:
(Start: 115 @43819 has 156 MA's), (148, 43909), (194, 44005), (203, 44029),

Gene: Dusk_36 Start: 32787, Stop: 33032, Start Num: 112
Candidate Starts for Dusk_36:
(Start: 112 @32787 has 172 MA's), (Start: 136 @32844 has 3 MA's), (148, 32877), (150, 32883), (171, 32931), (173, 32937), (179, 32949),

Gene: Dussy_62 Start: 41689, Stop: 41423, Start Num: 76
Candidate Starts for Dussy_62:
(Start: 75 @41692 has 29 MA's), (Start: 76 @41689 has 228 MA's), (Start: 83 @41677 has 5 MA's), (Start: 119 @41656 has 9 MA's), (137, 41605), (141, 41590), (151, 41569), (163, 41539), (175, 41509),

Gene: Dusty_121 Start: 70537, Stop: 70830, Start Num: 99
Candidate Starts for Dusty_121:
(Start: 99 @70537 has 17 MA's), (Start: 128 @70585 has 2 MA's), (175, 70714),

Gene: Dynamix_64 Start: 40678, Stop: 40409, Start Num: 75
Candidate Starts for Dynamix_64:
(Start: 75 @40678 has 29 MA's), (Start: 76 @40675 has 228 MA's), (Start: 83 @40663 has 5 MA's), (Start: 119 @40642 has 9 MA's), (141, 40576), (151, 40555), (163, 40525), (175, 40495), (210, 40420),

Gene: DyoEdafos_31 Start: 27675, Stop: 27938, Start Num: 111
Candidate Starts for DyoEdafos_31:
(Start: 111 @27675 has 84 MA's), (Start: 130 @27720 has 7 MA's), (179, 27834),

Gene: EGUnicorn_51 Start: 33605, Stop: 33853, Start Num: 106
Candidate Starts for EGUnicorn_51:

(12, 33191), (27, 33398), (33, 33431), (62, 33527), (Start: 106 @33605 has 36 MA's), (Start: 116 @33617 has 1 MA's), (Start: 119 @33623 has 9 MA's), (148, 33701), (175, 33767), (176, 33770),

Gene: EagleEye_60 Start: 38143, Stop: 37871, Start Num: 76

Candidate Starts for EagleEye_60:

(47, 38212), (Start: 76 @38143 has 228 MA's), (Start: 101 @38140 has 7 MA's), (Start: 106 @38134 has 36 MA's), (147, 38041), (164, 37999), (166, 37993), (178, 37963),

Gene: Easy2Say_39 Start: 34385, Stop: 34630, Start Num: 112

Candidate Starts for Easy2Say_39:

(Start: 112 @34385 has 172 MA's), (Start: 136 @34442 has 3 MA's), (148, 34475), (150, 34481), (173, 34535), (179, 34547),

Gene: Ebony_57 Start: 37357, Stop: 37085, Start Num: 76

Candidate Starts for Ebony_57:

(Start: 76 @37357 has 228 MA's), (Start: 106 @37348 has 36 MA's), (178, 37177),

Gene: Echild_58 Start: 37724, Stop: 37452, Start Num: 76

Candidate Starts for Echild_58:

(Start: 76 @37724 has 228 MA's), (Start: 106 @37715 has 36 MA's), (Start: 116 @37703 has 1 MA's), (Start: 119 @37697 has 9 MA's), (166, 37574),

Gene: EdogawaKiddo_56 Start: 38208, Stop: 38002, Start Num: 134

Candidate Starts for EdogawaKiddo_56:

(Start: 76 @38274 has 228 MA's), (Start: 106 @38265 has 36 MA's), (Start: 134 @38208 has 1 MA's), (147, 38172), (163, 38133), (173, 38106), (178, 38094),

Gene: Edtherson_61 Start: 41661, Stop: 41386, Start Num: 76

Candidate Starts for Edtherson_61:

(Start: 75 @41664 has 29 MA's), (Start: 76 @41661 has 228 MA's), (Start: 83 @41649 has 5 MA's), (Start: 119 @41619 has 9 MA's), (137, 41568), (141, 41553), (151, 41532), (163, 41502), (175, 41472),

Gene: Edugator_59 Start: 42504, Stop: 42752, Start Num: 115

Candidate Starts for Edugator_59:

(Start: 115 @42504 has 156 MA's), (141, 42579), (172, 42651),

Gene: Eevee_51 Start: 37090, Stop: 37338, Start Num: 109

Candidate Starts for Eevee_51:

(Start: 109 @37090 has 10 MA's), (150, 37189), (154, 37195), (175, 37249), (176, 37252), (179, 37258), (212, 37327),

Gene: Efra2_72 Start: 44206, Stop: 44448, Start Num: 115

Candidate Starts for Efra2_72:

(60, 44128), (Start: 115 @44206 has 156 MA's), (148, 44296), (194, 44392),

Gene: Eidsmoe_58 Start: 38289, Stop: 38017, Start Num: 76

Candidate Starts for Eidsmoe_58:

(Start: 76 @38289 has 228 MA's), (Start: 106 @38280 has 36 MA's), (Start: 134 @38223 has 1 MA's), (147, 38187), (163, 38148), (173, 38121), (178, 38109),

Gene: Ejimix_52 Start: 44918, Stop: 45163, Start Num: 112

Candidate Starts for Ejimix_52:

(Start: 112 @44918 has 172 MA's), (137, 44981), (148, 45011), (149, 45014), (176, 45074), (179, 45077), (180, 45080),

Gene: Ekdilam_63 Start: 44192, Stop: 44431, Start Num: 115

Candidate Starts for Ekdilam_63:

(Start: 115 @44192 has 156 MA's), (Start: 119 @44201 has 9 MA's), (148, 44282),

Gene: Elephantoon_57 Start: 37664, Stop: 37392, Start Num: 76

Candidate Starts for Elephantoon_57:

(Start: 76 @37664 has 228 MA's), (Start: 106 @37655 has 36 MA's), (Start: 134 @37598 has 1 MA's), (147, 37562), (163, 37523), (173, 37496), (178, 37484),

Gene: Elezi_34 Start: 26623, Stop: 26880, Start Num: 111

Candidate Starts for Elezi_34:

(19, 26386), (20, 26395), (Start: 111 @26623 has 84 MA's), (Start: 131 @26671 has 1 MA's), (178, 26788),

Gene: Elite2014_36 Start: 32342, Stop: 32587, Start Num: 112

Candidate Starts for Elite2014_36:

(Start: 112 @32342 has 172 MA's), (Start: 136 @32399 has 3 MA's), (148, 32432), (150, 32438), (173, 32492), (179, 32504),

Gene: Ellewin_99 Start: 82340, Stop: 82600, Start Num: 112

Candidate Starts for Ellewin_99:

(Start: 112 @82340 has 172 MA's), (190, 82529), (203, 82559), (204, 82562),

Gene: Ellie_62 Start: 43425, Stop: 43667, Start Num: 115

Candidate Starts for Ellie_62:

(61, 43356), (Start: 115 @43425 has 156 MA's), (Start: 119 @43434 has 9 MA's), (137, 43485), (148, 43515), (194, 43611), (203, 43635),

Gene: Ellson_31 Start: 28745, Stop: 29011, Start Num: 111

Candidate Starts for Ellson_31:

(Start: 111 @28745 has 84 MA's), (Start: 119 @28757 has 9 MA's), (Start: 130 @28790 has 7 MA's), (148, 28838),

Gene: Elph10_38 Start: 32605, Stop: 32850, Start Num: 112

Candidate Starts for Elph10_38:

(Start: 112 @32605 has 172 MA's), (Start: 136 @32662 has 3 MA's), (148, 32695), (150, 32701), (173, 32755), (179, 32767),

Gene: Emerson_68 Start: 43939, Stop: 44181, Start Num: 115

Candidate Starts for Emerson_68:

(Start: 115 @43939 has 156 MA's), (148, 44029), (194, 44125), (203, 44149),

Gene: EmiRose_45 Start: 36642, Stop: 36902, Start Num: 104

Candidate Starts for EmiRose_45:

(Start: 104 @36642 has 11 MA's), (158, 36756), (161, 36765), (179, 36816), (180, 36819),

Gene: Emmina_38 Start: 32963, Stop: 33208, Start Num: 112

Candidate Starts for Emmina_38:

(Start: 112 @32963 has 172 MA's), (Start: 136 @33020 has 3 MA's), (148, 33053), (150, 33059), (173, 33113), (179, 33125),

Gene: EmyBug_57 Start: 38291, Stop: 38019, Start Num: 76

Candidate Starts for EmyBug_57:

(Start: 76 @38291 has 228 MA's), (Start: 106 @38282 has 36 MA's), (Start: 134 @38225 has 1 MA's), (147, 38189), (163, 38150), (173, 38123), (178, 38111),

Gene: Enceladus_30 Start: 27674, Stop: 27943, Start Num: 111

Candidate Starts for Enceladus_30:

(Start: 111 @27674 has 84 MA's), (Start: 130 @27719 has 7 MA's), (175, 27827),

Gene: Engineer_127 Start: 71970, Stop: 72260, Start Num: 101

Candidate Starts for Engineer_127:

(49, 71862), (53, 71877), (73, 71922), (Start: 101 @71970 has 7 MA's), (Start: 128 @72015 has 2 MA's), (175, 72144),

Gene: EniyanLRS_50 Start: 39059, Stop: 39307, Start Num: 112

Candidate Starts for EniyanLRS_50:

(Start: 112 @39059 has 172 MA's), (143, 39140), (163, 39188), (176, 39221), (178, 39224), (179, 39227), (194, 39260), (206, 39296),

Gene: Enkosi_57 Start: 43554, Stop: 43799, Start Num: 115

Candidate Starts for Enkosi_57:

(60, 43482), (Start: 115 @43554 has 156 MA's), (157, 43659), (172, 43701), (194, 43737),

Gene: EnzoK_61 Start: 38636, Stop: 38361, Start Num: 76

Candidate Starts for EnzoK_61:

(Start: 75 @38639 has 29 MA's), (Start: 76 @38636 has 228 MA's), (Start: 83 @38624 has 5 MA's), (Start: 119 @38594 has 9 MA's), (137, 38543), (141, 38528), (151, 38507), (163, 38477), (175, 38447), (192, 38423), (210, 38372),

Gene: Epsocamisio_61 Start: 37202, Stop: 36933, Start Num: 100

Candidate Starts for Epsocamisio_61:

(7, 37646), (11, 37622), (14, 37544), (Start: 100 @37202 has 38 MA's), (178, 37025),

Gene: Eraser_34 Start: 26614, Stop: 26871, Start Num: 111

Candidate Starts for Eraser_34:

(19, 26377), (20, 26386), (Start: 111 @26614 has 84 MA's), (Start: 131 @26662 has 1 MA's), (178, 26779),

Gene: EricMillard_52 Start: 44419, Stop: 44664, Start Num: 112

Candidate Starts for EricMillard_52:

(Start: 112 @44419 has 172 MA's), (137, 44482), (148, 44512), (149, 44515), (176, 44575), (179, 44578), (180, 44581),

Gene: Espresso_59 Start: 41111, Stop: 40833, Start Num: 75

Candidate Starts for Espresso_59:

(Start: 75 @41111 has 29 MA's), (Start: 76 @41108 has 228 MA's), (Start: 83 @41096 has 5 MA's), (Start: 119 @41066 has 9 MA's), (137, 41015), (141, 41000), (151, 40979), (163, 40949), (175, 40919),

Gene: Estes_45 Start: 34058, Stop: 34309, Start Num: 108

Candidate Starts for Estes_45:

(Start: 108 @34058 has 6 MA's), (148, 34151), (170, 34202), (171, 34205), (206, 34274),

Gene: Et2Brutus_56 Start: 37320, Stop: 37048, Start Num: 76
Candidate Starts for Et2Brutus_56:
(Start: 76 @37320 has 228 MA's), (Start: 106 @37311 has 36 MA's), (178, 37140),

Gene: Euphoria_60 Start: 40818, Stop: 40552, Start Num: 76
Candidate Starts for Euphoria_60:
(Start: 75 @40821 has 29 MA's), (Start: 76 @40818 has 228 MA's), (Start: 83 @40806 has 5 MA's),
(Start: 119 @40785 has 9 MA's), (137, 40734), (141, 40719), (163, 40668), (201, 40593), (210, 40563),

Gene: Eureka_38 Start: 33647, Stop: 33895, Start Num: 109
Candidate Starts for Eureka_38:
(70, 33578), (71, 33581), (Start: 83 @33608 has 5 MA's), (Start: 109 @33647 has 10 MA's), (Start: 136
@33707 has 3 MA's), (148, 33740), (150, 33746), (173, 33800), (179, 33812),

Gene: EvilGenius_60 Start: 40027, Stop: 39755, Start Num: 76
Candidate Starts for EvilGenius_60:
(Start: 76 @40027 has 228 MA's), (Start: 106 @40018 has 36 MA's), (Start: 116 @40006 has 1 MA's),
(Start: 119 @40000 has 9 MA's), (166, 39877),

Gene: ExplosioNervosa_58 Start: 38348, Stop: 38085, Start Num: 106
Candidate Starts for ExplosioNervosa_58:
(Start: 76 @38357 has 228 MA's), (Start: 106 @38348 has 36 MA's), (Start: 134 @38291 has 1 MA's),
(147, 38255), (163, 38216), (173, 38189), (178, 38177),

Gene: FairyPath_37 Start: 33387, Stop: 33575, Start Num: 136
Candidate Starts for FairyPath_37:
(Start: 112 @33330 has 172 MA's), (Start: 136 @33387 has 3 MA's), (148, 33420), (150, 33426), (173,
33480), (179, 33492),

Gene: Faith1_32 Start: 28422, Stop: 28688, Start Num: 111
Candidate Starts for Faith1_32:
(Start: 111 @28422 has 84 MA's), (Start: 130 @28467 has 7 MA's), (149, 28518), (180, 28584), (210,
28656), (220, 28677),

Gene: Fajezeel_63 Start: 40885, Stop: 40616, Start Num: 75
Candidate Starts for Fajezeel_63:
(Start: 75 @40885 has 29 MA's), (Start: 76 @40882 has 228 MA's), (Start: 83 @40870 has 5 MA's),
(Start: 119 @40849 has 9 MA's), (137, 40798), (141, 40783), (151, 40762), (163, 40732), (175, 40702),
(210, 40627),

Gene: Fameo_58 Start: 38774, Stop: 38502, Start Num: 76
Candidate Starts for Fameo_58:
(Start: 76 @38774 has 228 MA's), (Start: 106 @38765 has 36 MA's), (Start: 116 @38753 has 1 MA's),
(Start: 119 @38747 has 9 MA's), (166, 38624), (178, 38594),

Gene: FarmResident_30 Start: 27563, Stop: 27781, Start Num: 130
Candidate Starts for FarmResident_30:
(Start: 111 @27518 has 84 MA's), (Start: 130 @27563 has 7 MA's), (148, 27611), (179, 27677),

Gene: Fascinus_56 Start: 40671, Stop: 40402, Start Num: 75
Candidate Starts for Fascinus_56:
(Start: 75 @40671 has 29 MA's), (Start: 76 @40668 has 228 MA's), (Start: 83 @40656 has 5 MA's),
(Start: 119 @40635 has 9 MA's), (137, 40584), (141, 40569), (151, 40548), (163, 40518), (175, 40488),

Gene: FatCactus_50 Start: 35904, Stop: 35632, Start Num: 76

Candidate Starts for FatCactus_50:

(Start: 76 @35904 has 228 MA's), (Start: 106 @35895 has 36 MA's), (166, 35754), (178, 35724),

Gene: Fayely_58 Start: 38258, Stop: 37986, Start Num: 76

Candidate Starts for Fayely_58:

(Start: 76 @38258 has 228 MA's), (Start: 106 @38249 has 36 MA's), (Start: 134 @38192 has 1 MA's), (147, 38156), (163, 38117), (173, 38090), (178, 38078),

Gene: Fefferhead_64 Start: 43334, Stop: 43576, Start Num: 115

Candidate Starts for Fefferhead_64:

(61, 43265), (Start: 115 @43334 has 156 MA's), (Start: 119 @43343 has 9 MA's), (137, 43394), (148, 43424), (194, 43520),

Gene: Feyre_63 Start: 44492, Stop: 44740, Start Num: 115

Candidate Starts for Feyre_63:

(Start: 115 @44492 has 156 MA's), (141, 44567), (172, 44639), (184, 44663),

Gene: Fibonacci_57 Start: 37326, Stop: 37054, Start Num: 76

Candidate Starts for Fibonacci_57:

(Start: 76 @37326 has 228 MA's), (Start: 106 @37317 has 36 MA's), (178, 37146),

Gene: Filch_38 Start: 32893, Stop: 33138, Start Num: 112

Candidate Starts for Filch_38:

(Start: 112 @32893 has 172 MA's), (Start: 136 @32950 has 3 MA's), (148, 32983), (150, 32989), (173, 33043), (179, 33055),

Gene: Findley_69 Start: 46086, Stop: 46331, Start Num: 115

Candidate Starts for Findley_69:

(60, 46023), (Start: 115 @46086 has 156 MA's), (148, 46176), (176, 46245),

Gene: Finemlucis_32 Start: 28698, Stop: 28964, Start Num: 111

Candidate Starts for Finemlucis_32:

(Start: 111 @28698 has 84 MA's), (Start: 130 @28743 has 7 MA's), (149, 28794), (180, 28860), (210, 28932), (220, 28953),

Gene: Finnry_31 Start: 28788, Stop: 29054, Start Num: 111

Candidate Starts for Finnry_31:

(Start: 111 @28788 has 84 MA's), (Start: 119 @28800 has 9 MA's), (Start: 130 @28833 has 7 MA's),

Gene: FireRed_37 Start: 33163, Stop: 33408, Start Num: 112

Candidate Starts for FireRed_37:

(Start: 112 @33163 has 172 MA's), (Start: 136 @33220 has 3 MA's), (148, 33253), (150, 33259), (173, 33313), (179, 33325),

Gene: FiringLine_58 Start: 38424, Stop: 38152, Start Num: 76

Candidate Starts for FiringLine_58:

(Start: 76 @38424 has 228 MA's), (Start: 106 @38415 has 36 MA's), (Start: 116 @38403 has 1 MA's), (Start: 119 @38397 has 9 MA's), (166, 38274),

Gene: Flaverint_58 Start: 37784, Stop: 37512, Start Num: 76

Candidate Starts for Flaverint_58:

(Start: 76 @37784 has 228 MA's), (Start: 106 @37775 has 36 MA's), (178, 37604),

Gene: Floop_43 Start: 27647, Stop: 27949, Start Num: 83

Candidate Starts for Floop_43:

(Start: 83 @27647 has 5 MA's), (Start: 97 @27665 has 10 MA's), (144, 27767), (153, 27785), (165, 27818), (216, 27932),

Gene: Flypotenuse_35 Start: 32731, Stop: 32976, Start Num: 112

Candidate Starts for Flypotenuse_35:

(Start: 112 @32731 has 172 MA's), (Start: 136 @32788 has 3 MA's), (148, 32821), (150, 32827), (171, 32875), (173, 32881), (179, 32893),

Gene: FoghornLeghorn_36 Start: 32639, Stop: 32884, Start Num: 112

Candidate Starts for FoghornLeghorn_36:

(Start: 112 @32639 has 172 MA's), (Start: 136 @32696 has 3 MA's), (148, 32729), (150, 32735), (173, 32789), (179, 32801),

Gene: Footloose_59 Start: 33811, Stop: 34044, Start Num: 100

Candidate Starts for Footloose_59:

(Start: 100 @33811 has 38 MA's), (120, 33826), (146, 33895), (163, 33931), (166, 33940), (178, 33967),

Gene: Francis47_60 Start: 41735, Stop: 41460, Start Num: 76

Candidate Starts for Francis47_60:

(Start: 75 @41738 has 29 MA's), (Start: 76 @41735 has 228 MA's), (Start: 83 @41723 has 5 MA's), (Start: 119 @41693 has 9 MA's), (137, 41642), (141, 41627), (151, 41606), (163, 41576), (175, 41546),

Gene: FreakyGoo_40 Start: 32780, Stop: 33040, Start Num: 112

Candidate Starts for FreakyGoo_40:

(44, 32651), (Start: 98 @32762 has 11 MA's), (Start: 112 @32780 has 172 MA's), (137, 32843), (172, 32930), (175, 32939), (179, 32948),

Gene: Froghopper_60 Start: 40239, Stop: 39964, Start Num: 76

Candidate Starts for Froghopper_60:

(Start: 75 @40242 has 29 MA's), (Start: 76 @40239 has 228 MA's), (Start: 83 @40227 has 5 MA's), (Start: 119 @40197 has 9 MA's), (137, 40146), (141, 40131), (151, 40110), (163, 40080), (175, 40050), (210, 39975),

Gene: Fryberger_117 Start: 56141, Stop: 56380, Start Num: 117

Candidate Starts for Fryberger_117:

(Start: 117 @56141 has 6 MA's), (165, 56264), (196, 56336), (199, 56339),

Gene: Fulbright_49 Start: 33994, Stop: 34242, Start Num: 106

Candidate Starts for Fulbright_49:

(12, 33580), (27, 33787), (33, 33820), (62, 33916), (Start: 106 @33994 has 36 MA's), (Start: 116 @34006 has 1 MA's), (Start: 119 @34012 has 9 MA's), (148, 34090), (175, 34156), (176, 34159),

Gene: Fushigi_58 Start: 39205, Stop: 38936, Start Num: 75

Candidate Starts for Fushigi_58:

(Start: 75 @39205 has 29 MA's), (Start: 76 @39202 has 228 MA's), (Start: 83 @39190 has 5 MA's), (Start: 119 @39169 has 9 MA's), (137, 39118), (141, 39103), (151, 39082), (163, 39052), (175, 39022),

Gene: GMA4_22 Start: 21398, Stop: 21685, Start Num: 112

Candidate Starts for GMA4_22:

(Start: 83 @21356 has 5 MA's), (Start: 112 @21398 has 172 MA's), (Start: 121 @21413 has 1 MA's), (132, 21449), (Start: 136 @21458 has 3 MA's), (167, 21545), (199, 21623), (206, 21647), (211, 21659), (219, 21674),

Gene: Gabriela_32 Start: 28684, Stop: 28950, Start Num: 111

Candidate Starts for Gabriela_32:

(Start: 111 @28684 has 84 MA's), (Start: 130 @28729 has 7 MA's), (149, 28780), (180, 28846), (210, 28918), (220, 28939),

Gene: Gage_39 Start: 33125, Stop: 33370, Start Num: 112

Candidate Starts for Gage_39:

(Start: 112 @33125 has 172 MA's), (Start: 136 @33182 has 3 MA's), (148, 33215), (150, 33221), (173, 33275), (179, 33287),

Gene: GageAP_63 Start: 41646, Stop: 41380, Start Num: 76

Candidate Starts for GageAP_63:

(Start: 75 @41649 has 29 MA's), (Start: 76 @41646 has 228 MA's), (Start: 83 @41634 has 5 MA's), (Start: 119 @41613 has 9 MA's), (137, 41562), (141, 41547), (151, 41526), (163, 41496), (175, 41466), (210, 41391),

Gene: Gambol_31 Start: 22494, Stop: 22760, Start Num: 100

Candidate Starts for Gambol_31:

(Start: 100 @22494 has 38 MA's), (Start: 109 @22503 has 10 MA's), (Start: 115 @22509 has 156 MA's), (139, 22572),

Gene: Gandalf20_64 Start: 42393, Stop: 42118, Start Num: 76

Candidate Starts for Gandalf20_64:

(Start: 75 @42396 has 29 MA's), (Start: 76 @42393 has 228 MA's), (Start: 83 @42381 has 5 MA's), (Start: 119 @42351 has 9 MA's), (137, 42300), (141, 42285), (151, 42264), (163, 42234), (175, 42204),

Gene: Ganymede_66 Start: 43845, Stop: 44087, Start Num: 115

Candidate Starts for Ganymede_66:

(Start: 115 @43845 has 156 MA's), (148, 43935), (194, 44031), (203, 44055),

Gene: Gardann_32 Start: 28424, Stop: 28690, Start Num: 111

Candidate Starts for Gardann_32:

(Start: 111 @28424 has 84 MA's), (Start: 130 @28469 has 7 MA's), (149, 28520), (180, 28586), (210, 28658), (220, 28679),

Gene: GardenSalsa_44 Start: 33882, Stop: 34133, Start Num: 108

Candidate Starts for GardenSalsa_44:

(Start: 108 @33882 has 6 MA's), (170, 34026), (171, 34029), (176, 34044), (206, 34098),

Gene: GardenState_42 Start: 27075, Stop: 27341, Start Num: 97

Candidate Starts for GardenState_42:

(Start: 97 @27075 has 10 MA's),

Gene: Gator_35 Start: 32743, Stop: 32988, Start Num: 112

Candidate Starts for Gator_35:

(Start: 112 @32743 has 172 MA's), (Start: 136 @32800 has 3 MA's), (148, 32833), (150, 32839), (173, 32893), (179, 32905),

Gene: Geeche_123 Start: 70760, Stop: 71053, Start Num: 99
Candidate Starts for Geeche_123:
(Start: 99 @70760 has 17 MA's), (Start: 128 @70808 has 2 MA's), (175, 70937),

Gene: Gemini_40 Start: 33642, Stop: 33887, Start Num: 112
Candidate Starts for Gemini_40:
(Start: 112 @33642 has 172 MA's), (Start: 136 @33699 has 3 MA's), (148, 33732), (150, 33738), (173, 33792), (179, 33804),

Gene: GenevaB15_44 Start: 33930, Stop: 34181, Start Num: 108
Candidate Starts for GenevaB15_44:
(Start: 108 @33930 has 6 MA's), (148, 34023), (170, 34074), (171, 34077), (176, 34092), (206, 34146),

Gene: Gengar_60 Start: 42478, Stop: 42726, Start Num: 115
Candidate Starts for Gengar_60:
(Start: 115 @42478 has 156 MA's), (138, 42541),

Gene: Georgie2_59 Start: 38469, Stop: 38197, Start Num: 76
Candidate Starts for Georgie2_59:
(Start: 76 @38469 has 228 MA's), (Start: 106 @38460 has 36 MA's), (Start: 116 @38448 has 1 MA's),
(Start: 119 @38442 has 9 MA's),

Gene: Geraldini_69 Start: 44501, Stop: 44743, Start Num: 115
Candidate Starts for Geraldini_69:
(Start: 115 @44501 has 156 MA's), (148, 44591), (194, 44687), (203, 44711),

Gene: Gex_50 Start: 34921, Stop: 35169, Start Num: 106
Candidate Starts for Gex_50:
(12, 34507), (27, 34714), (33, 34747), (62, 34843), (Start: 106 @34921 has 36 MA's), (Start: 116 @34933 has 1 MA's), (Start: 119 @34939 has 9 MA's), (148, 35017), (175, 35083), (176, 35086),

Gene: Gilberta_58 Start: 37777, Stop: 37505, Start Num: 76
Candidate Starts for Gilberta_58:
(Start: 76 @37777 has 228 MA's), (Start: 106 @37768 has 36 MA's), (178, 37597),

Gene: Giorgio_31 Start: 22596, Stop: 22862, Start Num: 100
Candidate Starts for Giorgio_31:
(Start: 100 @22596 has 38 MA's), (Start: 115 @22611 has 156 MA's), (139, 22674), (185, 22794),

Gene: Glaske16_40 Start: 32761, Stop: 33039, Start Num: 98
Candidate Starts for Glaske16_40:
(44, 32650), (Start: 98 @32761 has 11 MA's), (Start: 112 @32779 has 172 MA's), (137, 32842), (172, 32929), (175, 32938), (179, 32947),

Gene: Glexan_35 Start: 32731, Stop: 32976, Start Num: 112
Candidate Starts for Glexan_35:
(Start: 112 @32731 has 172 MA's), (Start: 136 @32788 has 3 MA's), (148, 32821), (150, 32827), (171, 32875), (173, 32881), (179, 32893),

Gene: Goib_64 Start: 40122, Stop: 40346, Start Num: 111
Candidate Starts for Goib_64:
(Start: 111 @40122 has 84 MA's), (Start: 131 @40164 has 1 MA's), (148, 40209), (153, 40218), (173, 40269), (176, 40278),

Gene: Goku_38 Start: 33376, Stop: 33624, Start Num: 109

Candidate Starts for Goku_38:

(70, 33307), (71, 33310), (Start: 83 @33337 has 5 MA's), (Start: 109 @33376 has 10 MA's), (Start: 136 @33436 has 3 MA's), (148, 33469), (150, 33475), (173, 33529), (179, 33541),

Gene: GoldenEssence_97 Start: 80932, Stop: 81180, Start Num: 112

Candidate Starts for GoldenEssence_97:

(Start: 112 @80932 has 172 MA's), (Start: 116 @80938 has 1 MA's), (Start: 119 @80944 has 9 MA's),

Gene: GoldenSpark_39 Start: 33125, Stop: 33370, Start Num: 112

Candidate Starts for GoldenSpark_39:

(Start: 112 @33125 has 172 MA's), (Start: 136 @33182 has 3 MA's), (148, 33215), (150, 33221), (173, 33275), (179, 33287),

Gene: Goldilocks_38 Start: 32545, Stop: 32790, Start Num: 112

Candidate Starts for Goldilocks_38:

(Start: 112 @32545 has 172 MA's), (Start: 136 @32602 has 3 MA's), (148, 32635), (150, 32641), (173, 32695), (179, 32707),

Gene: Gompeii16_61 Start: 42810, Stop: 42544, Start Num: 76

Candidate Starts for Gompeii16_61:

(Start: 75 @42813 has 29 MA's), (Start: 76 @42810 has 228 MA's), (Start: 83 @42798 has 5 MA's), (Start: 119 @42777 has 9 MA's), (137, 42726), (141, 42711), (151, 42690), (163, 42660), (175, 42630),

Gene: Gonephishing_53 Start: 42117, Stop: 42329, Start Num: 129

Candidate Starts for Gonephishing_53:

(Start: 119 @42090 has 9 MA's), (Start: 129 @42117 has 1 MA's), (148, 42171), (149, 42174), (175, 42231), (194, 42267),

Gene: GooberAzure_39 Start: 33125, Stop: 33370, Start Num: 112

Candidate Starts for GooberAzure_39:

(Start: 112 @33125 has 172 MA's), (Start: 136 @33182 has 3 MA's), (148, 33215), (150, 33221), (173, 33275), (179, 33287),

Gene: Graduation_66 Start: 42500, Stop: 42234, Start Num: 76

Candidate Starts for Graduation_66:

(Start: 75 @42503 has 29 MA's), (Start: 76 @42500 has 228 MA's), (Start: 83 @42488 has 5 MA's), (Start: 119 @42467 has 9 MA's), (137, 42416), (141, 42401), (151, 42380), (163, 42350), (175, 42320), (210, 42245),

Gene: GrecoEtereo_61 Start: 40288, Stop: 40022, Start Num: 76

Candidate Starts for GrecoEtereo_61:

(Start: 75 @40291 has 29 MA's), (Start: 76 @40288 has 228 MA's), (Start: 83 @40276 has 5 MA's), (Start: 119 @40255 has 9 MA's), (137, 40204), (141, 40189), (151, 40168), (163, 40138), (175, 40108),

Gene: Greely_81 Start: 31000, Stop: 31251, Start Num: 112

Candidate Starts for Greely_81:

(Start: 112 @31000 has 172 MA's), (Start: 131 @31045 has 1 MA's), (163, 31126),

Gene: Greg_63 Start: 40885, Stop: 40616, Start Num: 75

Candidate Starts for Greg_63:

(Start: 75 @40885 has 29 MA's), (Start: 76 @40882 has 228 MA's), (Start: 83 @40870 has 5 MA's),
(Start: 119 @40849 has 9 MA's), (137, 40798), (141, 40783), (151, 40762), (163, 40732), (175, 40702),
(210, 40627),

Gene: Gretchen_42 Start: 28431, Stop: 28688, Start Num: 97

Candidate Starts for Gretchen_42:

(Start: 97 @28431 has 10 MA's), (Start: 131 @28485 has 1 MA's), (179, 28611), (195, 28623), (200,
28635),

Gene: Gspu1_55 Start: 37586, Stop: 37813, Start Num: 115

Candidate Starts for Gspu1_55:

(Start: 115 @37586 has 156 MA's), (Start: 131 @37628 has 1 MA's), (147, 37670), (175, 37739), (179,
37748), (206, 37796),

Gene: Guanica15_71 Start: 43944, Stop: 44186, Start Num: 115

Candidate Starts for Guanica15_71:

(60, 43866), (Start: 115 @43944 has 156 MA's), (194, 44130),

Gene: Guey18_121 Start: 57464, Stop: 57703, Start Num: 117

Candidate Starts for Guey18_121:

(Start: 117 @57464 has 6 MA's), (165, 57587), (196, 57659), (199, 57662),

Gene: Guillsminger_61 Start: 42432, Stop: 42680, Start Num: 115

Candidate Starts for Guillsminger_61:

(Start: 115 @42432 has 156 MA's), (141, 42507), (172, 42579),

Gene: Gumpizza_31 Start: 22588, Stop: 22854, Start Num: 100

Candidate Starts for Gumpizza_31:

(Start: 100 @22588 has 38 MA's), (Start: 115 @22603 has 156 MA's), (139, 22666), (185, 22786),

Gene: GuuelaD_32 Start: 28456, Stop: 28722, Start Num: 111

Candidate Starts for GuuelaD_32:

(Start: 111 @28456 has 84 MA's), (Start: 130 @28501 has 7 MA's), (149, 28552), (180, 28618), (210,
28690), (220, 28711),

Gene: Gwendoluna_65 Start: 43032, Stop: 42778, Start Num: 83

Candidate Starts for Gwendoluna_65:

(Start: 74 @43044 has 5 MA's), (Start: 83 @43032 has 5 MA's), (Start: 119 @43011 has 9 MA's), (137,
42960), (141, 42945), (151, 42924), (159, 42903), (163, 42894), (175, 42864),

Gene: Gyzlar_57 Start: 38964, Stop: 38710, Start Num: 83

Candidate Starts for Gyzlar_57:

(Start: 74 @38976 has 5 MA's), (Start: 83 @38964 has 5 MA's), (Start: 119 @38943 has 9 MA's), (137,
38892), (141, 38877), (151, 38856), (163, 38826), (175, 38796), (210, 38721),

Gene: Hafay_32 Start: 28500, Stop: 28721, Start Num: 130

Candidate Starts for Hafay_32:

(Start: 111 @28455 has 84 MA's), (Start: 130 @28500 has 7 MA's), (149, 28551), (180, 28617), (210,
28689), (220, 28710),

Gene: Halena_30 Start: 27701, Stop: 27970, Start Num: 111

Candidate Starts for Halena_30:

(Start: 111 @27701 has 84 MA's), (Start: 130 @27746 has 7 MA's), (175, 27854),

Gene: Halley_52 Start: 44132, Stop: 44377, Start Num: 112

Candidate Starts for Halley_52:

(Start: 112 @44132 has 172 MA's), (137, 44195), (148, 44225), (149, 44228), (176, 44288), (179, 44291), (180, 44294),

Gene: Halsey_31 Start: 22590, Stop: 22856, Start Num: 100

Candidate Starts for Halsey_31:

(Start: 100 @22590 has 38 MA's), (Start: 115 @22605 has 156 MA's), (139, 22668), (145, 22686), (185, 22788),

Gene: Hami1_57 Start: 36945, Stop: 36679, Start Num: 76

Candidate Starts for Hami1_57:

(Start: 75 @36948 has 29 MA's), (Start: 76 @36945 has 228 MA's), (Start: 83 @36933 has 5 MA's), (Start: 119 @36912 has 9 MA's), (137, 36861), (141, 36846), (151, 36825), (163, 36795), (175, 36765),

Gene: Hammy_66 Start: 43955, Stop: 44194, Start Num: 115

Candidate Starts for Hammy_66:

(Start: 115 @43955 has 156 MA's), (148, 44045), (172, 44105),

Gene: HanKaySha_38 Start: 32877, Stop: 33122, Start Num: 112

Candidate Starts for HanKaySha_38:

(Start: 112 @32877 has 172 MA's), (Start: 136 @32934 has 3 MA's), (148, 32967), (150, 32973), (173, 33027), (179, 33039),

Gene: Hanako_55 Start: 36173, Stop: 36421, Start Num: 106

Candidate Starts for Hanako_55:

(Start: 106 @36173 has 36 MA's), (Start: 116 @36185 has 1 MA's), (175, 36335), (176, 36338), (210, 36413),

Gene: Hannaconda_48 Start: 38620, Stop: 38868, Start Num: 112

Candidate Starts for Hannaconda_48:

(Start: 112 @38620 has 172 MA's), (166, 38752),

Gene: Hanray_56 Start: 38212, Stop: 38006, Start Num: 134

Candidate Starts for Hanray_56:

(Start: 76 @38278 has 228 MA's), (Start: 106 @38269 has 36 MA's), (Start: 134 @38212 has 1 MA's), (147, 38176), (163, 38137), (173, 38110), (178, 38098),

Gene: Harella_36 Start: 33247, Stop: 33492, Start Num: 112

Candidate Starts for Harella_36:

(Start: 112 @33247 has 172 MA's), (Start: 136 @33304 has 3 MA's), (148, 33337), (150, 33343), (171, 33391), (173, 33397), (179, 33409),

Gene: HarryOW_60 Start: 40966, Stop: 40688, Start Num: 75

Candidate Starts for HarryOW_60:

(Start: 75 @40966 has 29 MA's), (Start: 76 @40963 has 228 MA's), (Start: 83 @40951 has 5 MA's), (Start: 119 @40921 has 9 MA's), (137, 40870), (141, 40855), (151, 40834), (163, 40804), (175, 40774),

Gene: HedwigODU_66 Start: 43467, Stop: 43709, Start Num: 115

Candidate Starts for HedwigODU_66:

(Start: 115 @43467 has 156 MA's), (148, 43557), (194, 43653), (203, 43677),

Gene: Heffalump_57 Start: 39242, Stop: 38970, Start Num: 76

Candidate Starts for Heffalump_57:

(Start: 76 @39242 has 228 MA's), (Start: 106 @39233 has 36 MA's), (Start: 116 @39221 has 1 MA's), (Start: 119 @39215 has 9 MA's), (166, 39092), (178, 39062),

Gene: Heftyboy_61 Start: 42799, Stop: 43047, Start Num: 115

Candidate Starts for Heftyboy_61:

(Start: 115 @42799 has 156 MA's), (141, 42874), (172, 42946), (184, 42970),

Gene: Henry_38 Start: 33135, Stop: 33380, Start Num: 112

Candidate Starts for Henry_38:

(Start: 112 @33135 has 172 MA's), (Start: 136 @33192 has 3 MA's), (148, 33225), (150, 33231), (171, 33279), (173, 33285), (179, 33297),

Gene: Herbertwm_56 Start: 38206, Stop: 37934, Start Num: 76

Candidate Starts for Herbertwm_56:

(22, 38407), (Start: 76 @38206 has 228 MA's), (Start: 106 @38197 has 36 MA's), (Start: 116 @38185 has 1 MA's), (Start: 131 @38146 has 1 MA's), (132, 38143), (148, 38101), (150, 38095), (166, 38056), (178, 38026),

Gene: Hermia_60 Start: 40961, Stop: 40695, Start Num: 76

Candidate Starts for Hermia_60:

(Start: 75 @40964 has 29 MA's), (Start: 76 @40961 has 228 MA's), (Start: 83 @40949 has 5 MA's), (Start: 119 @40928 has 9 MA's), (137, 40877), (141, 40862), (151, 40841), (163, 40811), (175, 40781),

Gene: Highbury_38 Start: 32793, Stop: 33038, Start Num: 112

Candidate Starts for Highbury_38:

(Start: 112 @32793 has 172 MA's), (Start: 136 @32850 has 3 MA's), (148, 32883), (150, 32889), (173, 32943), (179, 32955),

Gene: Hirko_38 Start: 32932, Stop: 33225, Start Num: 94

Candidate Starts for Hirko_38:

(Start: 87 @32917 has 1 MA's), (Start: 94 @32932 has 1 MA's), (154, 33052), (179, 33100), (218, 33196),

Gene: HokkenD_45 Start: 42401, Stop: 42646, Start Num: 112

Candidate Starts for HokkenD_45:

(Start: 112 @42401 has 172 MA's), (137, 42464), (148, 42494), (149, 42497), (176, 42557), (179, 42560), (180, 42563),

Gene: Horex_57 Start: 38228, Stop: 38022, Start Num: 134

Candidate Starts for Horex_57:

(Start: 76 @38294 has 228 MA's), (Start: 106 @38285 has 36 MA's), (Start: 134 @38228 has 1 MA's), (147, 38192), (163, 38153), (173, 38126), (178, 38114),

Gene: Holt_38 Start: 32412, Stop: 32657, Start Num: 112

Candidate Starts for Holt_38:

(Start: 112 @32412 has 172 MA's), (Start: 136 @32469 has 3 MA's), (148, 32502), (150, 32508), (171, 32556), (173, 32562), (179, 32574),

Gene: Homines_54 Start: 37291, Stop: 37025, Start Num: 76

Candidate Starts for Homines_54:

(Start: 75 @37294 has 29 MA's), (Start: 76 @37291 has 228 MA's), (Start: 83 @37279 has 5 MA's),
(Start: 119 @37258 has 9 MA's), (137, 37207), (141, 37192), (151, 37171), (163, 37141), (175, 37111),
(210, 37036),

Gene: Homura_66 Start: 43622, Stop: 43864, Start Num: 115
Candidate Starts for Homura_66:
(Start: 115 @43622 has 156 MA's), (148, 43712), (194, 43808), (203, 43832),

Gene: Honk_39 Start: 24394, Stop: 24654, Start Num: 90
Candidate Starts for Honk_39:
(Start: 90 @24394 has 1 MA's), (124, 24433),

Gene: Hoonter_39 Start: 33125, Stop: 33370, Start Num: 112
Candidate Starts for Hoonter_39:
(Start: 112 @33125 has 172 MA's), (Start: 136 @33182 has 3 MA's), (148, 33215), (150, 33221), (173,
33275), (179, 33287),

Gene: Hope4ever_63 Start: 41279, Stop: 41004, Start Num: 76
Candidate Starts for Hope4ever_63:
(Start: 75 @41282 has 29 MA's), (Start: 76 @41279 has 228 MA's), (Start: 83 @41267 has 5 MA's),
(Start: 119 @41237 has 9 MA's), (137, 41186), (141, 41171), (151, 41150), (163, 41120), (175, 41090),
(210, 41015),

Gene: Hokey_39 Start: 33412, Stop: 33657, Start Num: 112
Candidate Starts for Hokey_39:
(Start: 112 @33412 has 172 MA's), (Start: 136 @33469 has 3 MA's), (148, 33502), (150, 33508), (173,
33562), (179, 33574),

Gene: HortumSL17_58 Start: 38225, Stop: 37953, Start Num: 76
Candidate Starts for HortumSL17_58:
(Start: 76 @38225 has 228 MA's), (Start: 106 @38216 has 36 MA's), (Start: 134 @38159 has 1 MA's),
(147, 38123), (163, 38084), (173, 38057), (178, 38045),

Gene: HufflyPuff_36 Start: 33119, Stop: 33364, Start Num: 112
Candidate Starts for HufflyPuff_36:
(Start: 112 @33119 has 172 MA's), (Start: 136 @33176 has 3 MA's), (148, 33209), (150, 33215), (173,
33269), (179, 33281),

Gene: Huffly_63 Start: 39006, Stop: 39230, Start Num: 111
Candidate Starts for Huffly_63:
(Start: 111 @39006 has 84 MA's), (Start: 131 @39048 has 1 MA's), (148, 39093), (153, 39102), (173,
39153), (176, 39162), (193, 39183),

Gene: Hughesyang_50 Start: 44061, Stop: 44306, Start Num: 112
Candidate Starts for Hughesyang_50:
(Start: 112 @44061 has 172 MA's), (137, 44124), (148, 44154), (149, 44157), (176, 44217), (179,
44220), (180, 44223),

Gene: Hurricane_68 Start: 44101, Stop: 44340, Start Num: 111
Candidate Starts for Hurricane_68:
(Start: 111 @44101 has 84 MA's), (Start: 128 @44134 has 2 MA's), (148, 44188), (172, 44248), (176,
44260),

Gene: Hutc2_57 Start: 37326, Stop: 37054, Start Num: 76
Candidate Starts for Hutc2_57:
(Start: 76 @37326 has 228 MA's), (Start: 106 @37317 has 36 MA's), (178, 37146),

Gene: Hyperbowlee_66 Start: 43819, Stop: 44061, Start Num: 115
Candidate Starts for Hyperbowlee_66:
(Start: 115 @43819 has 156 MA's), (148, 43909), (194, 44005), (203, 44029),

Gene: IAmGroot_42 Start: 27740, Stop: 28006, Start Num: 97
Candidate Starts for IAmGroot_42:
(Start: 97 @27740 has 10 MA's),

Gene: IHOP_37 Start: 33369, Stop: 33557, Start Num: 136
Candidate Starts for IHOP_37:
(Start: 112 @33312 has 172 MA's), (Start: 136 @33369 has 3 MA's), (148, 33402), (150, 33408), (173, 33462), (179, 33474),

Gene: ILeeKay_64 Start: 41170, Stop: 40895, Start Num: 76
Candidate Starts for ILeeKay_64:
(Start: 75 @41173 has 29 MA's), (Start: 76 @41170 has 228 MA's), (Start: 83 @41158 has 5 MA's), (137, 41077), (141, 41062), (151, 41041), (163, 41011), (175, 40981),

Gene: IPhane7_39 Start: 32762, Stop: 33040, Start Num: 98
Candidate Starts for IPhane7_39:
(44, 32651), (Start: 98 @32762 has 11 MA's), (Start: 112 @32780 has 172 MA's), (137, 32843), (172, 32930), (175, 32939), (179, 32948),

Gene: Icee_36 Start: 32793, Stop: 33038, Start Num: 112
Candidate Starts for Icee_36:
(Start: 112 @32793 has 172 MA's), (Start: 136 @32850 has 3 MA's), (148, 32883), (150, 32889), (173, 32943), (179, 32955),

Gene: Ichabod_66 Start: 42392, Stop: 42126, Start Num: 76
Candidate Starts for Ichabod_66:
(Start: 75 @42395 has 29 MA's), (Start: 76 @42392 has 228 MA's), (Start: 83 @42380 has 5 MA's), (Start: 119 @42359 has 9 MA's), (137, 42308), (141, 42293), (151, 42272), (163, 42242), (175, 42212), (210, 42137),

Gene: Illumine_72 Start: 45460, Stop: 45702, Start Num: 115
Candidate Starts for Illumine_72:
(Start: 115 @45460 has 156 MA's), (148, 45550), (194, 45646), (203, 45670),

Gene: Inca_36 Start: 31814, Stop: 32059, Start Num: 112
Candidate Starts for Inca_36:
(Start: 112 @31814 has 172 MA's), (Start: 136 @31871 has 3 MA's), (148, 31904), (150, 31910), (173, 31964), (179, 31976),

Gene: Indlulamithi_37 Start: 32452, Stop: 32694, Start Num: 133
Candidate Starts for Indlulamithi_37:
(Start: 133 @32452 has 1 MA's), (151, 32506), (177, 32593), (216, 32677), (217, 32680),

Gene: Inky_66 Start: 43622, Stop: 43864, Start Num: 115
Candidate Starts for Inky_66:

(Start: 115 @43622 has 156 MA's), (148, 43712), (194, 43808), (203, 43832),

Gene: Insomnia_58 Start: 37837, Stop: 37565, Start Num: 76

Candidate Starts for Insomnia_58:

(Start: 76 @37837 has 228 MA's), (Start: 106 @37828 has 36 MA's), (178, 37657),

Gene: InvictusManeo_58 Start: 40773, Stop: 41021, Start Num: 115

Candidate Starts for InvictusManeo_58:

(Start: 115 @40773 has 156 MA's), (164, 40905), (176, 40935), (198, 40968),

Gene: Inyanga_57 Start: 41026, Stop: 40760, Start Num: 76

Candidate Starts for Inyanga_57:

(Start: 75 @41029 has 29 MA's), (Start: 76 @41026 has 228 MA's), (Start: 83 @41014 has 5 MA's),
(Start: 119 @40993 has 9 MA's), (137, 40942), (141, 40927), (151, 40906), (163, 40876), (175, 40846),
(210, 40771),

Gene: Iqorha_57 Start: 41025, Stop: 40759, Start Num: 76

Candidate Starts for Iqorha_57:

(Start: 75 @41028 has 29 MA's), (Start: 76 @41025 has 228 MA's), (Start: 83 @41013 has 5 MA's),
(Start: 119 @40992 has 9 MA's), (137, 40941), (141, 40926), (151, 40905), (163, 40875), (175, 40845),
(210, 40770),

Gene: Iter_34 Start: 24797, Stop: 25063, Start Num: 95

Candidate Starts for Iter_34:

(Start: 95 @24797 has 26 MA's), (176, 24980),

Gene: Itos_32 Start: 28422, Stop: 28688, Start Num: 111

Candidate Starts for Itos_32:

(Start: 111 @28422 has 84 MA's), (Start: 130 @28467 has 7 MA's), (149, 28518), (180, 28584), (210,
28656), (220, 28677),

Gene: IttyBittyPiggy_33 Start: 24853, Stop: 25107, Start Num: 91

Candidate Starts for IttyBittyPiggy_33:

(19, 24598), (26, 24634), (Start: 91 @24853 has 4 MA's),

Gene: Izel_39 Start: 32779, Stop: 33039, Start Num: 112

Candidate Starts for Izel_39:

(44, 32650), (Start: 98 @32761 has 11 MA's), (Start: 112 @32779 has 172 MA's), (137, 32842), (172,
32929), (175, 32938), (179, 32947),

Gene: JAWS_67 Start: 43898, Stop: 44140, Start Num: 115

Candidate Starts for JAWS_67:

(Start: 115 @43898 has 156 MA's), (148, 43988), (194, 44084), (203, 44108),

Gene: JC27_65 Start: 41732, Stop: 41466, Start Num: 76

Candidate Starts for JC27_65:

(Start: 76 @41732 has 228 MA's), (Start: 83 @41720 has 5 MA's), (Start: 116 @41705 has 1 MA's),
(Start: 119 @41699 has 9 MA's), (137, 41648), (141, 41633), (151, 41612), (163, 41582), (175, 41552),

Gene: JSwag_63 Start: 37391, Stop: 37122, Start Num: 100

Candidate Starts for JSwag_63:

(7, 37835), (11, 37811), (14, 37733), (Start: 100 @37391 has 38 MA's), (178, 37214),

Gene: Jabith_58 Start: 37838, Stop: 37566, Start Num: 76
Candidate Starts for Jabith_58:
(Start: 76 @37838 has 228 MA's), (Start: 106 @37829 has 36 MA's), (178, 37658),

Gene: JackSparrow_64 Start: 41111, Stop: 40914, Start Num: 131
Candidate Starts for JackSparrow_64:
(Start: 130 @41114 has 7 MA's), (Start: 131 @41111 has 1 MA's), (137, 41099), (163, 41030), (175, 41000),

Gene: Jamie19_49 Start: 34464, Stop: 34712, Start Num: 106
Candidate Starts for Jamie19_49:
(Start: 106 @34464 has 36 MA's), (Start: 116 @34476 has 1 MA's), (175, 34626), (176, 34629), (210, 34704),

Gene: Janeemi_35 Start: 26823, Stop: 27089, Start Num: 95
Candidate Starts for Janeemi_35:
(Start: 95 @26823 has 26 MA's),

Gene: Jarvi_66 Start: 43622, Stop: 43864, Start Num: 115
Candidate Starts for Jarvi_66:
(Start: 115 @43622 has 156 MA's), (148, 43712), (194, 43808), (203, 43832),

Gene: Jasper_62 Start: 40214, Stop: 39948, Start Num: 76
Candidate Starts for Jasper_62:
(Start: 76 @40214 has 228 MA's), (Start: 83 @40202 has 5 MA's), (Start: 116 @40187 has 1 MA's),
(Start: 119 @40181 has 9 MA's), (137, 40130), (141, 40115), (151, 40094), (163, 40064), (175, 40034),
(210, 39959),

Gene: Jayhawk_68 Start: 43965, Stop: 44207, Start Num: 115
Candidate Starts for Jayhawk_68:
(Start: 115 @43965 has 156 MA's), (148, 44055), (194, 44151), (203, 44175),

Gene: JeTaime_39 Start: 33936, Stop: 34181, Start Num: 112
Candidate Starts for JeTaime_39:
(Start: 112 @33936 has 172 MA's), (Start: 136 @33993 has 3 MA's), (148, 34026), (150, 34032), (173, 34086), (179, 34098),

Gene: Jeckyll_66 Start: 43622, Stop: 43864, Start Num: 115
Candidate Starts for Jeckyll_66:
(Start: 115 @43622 has 156 MA's), (148, 43712), (194, 43808), (203, 43832),

Gene: Jerm_60 Start: 38841, Stop: 38569, Start Num: 76
Candidate Starts for Jerm_60:
(Start: 76 @38841 has 228 MA's), (Start: 106 @38832 has 36 MA's), (Start: 116 @38820 has 1 MA's),
(Start: 119 @38814 has 9 MA's), (166, 38691),

Gene: Jerm2_64 Start: 42536, Stop: 42270, Start Num: 76
Candidate Starts for Jerm2_64:
(Start: 75 @42539 has 29 MA's), (Start: 76 @42536 has 228 MA's), (Start: 83 @42524 has 5 MA's),
(Start: 119 @42503 has 9 MA's), (137, 42452), (141, 42437), (151, 42416), (163, 42386), (175, 42356),
(210, 42281),

Gene: Jiawan_56 Start: 38310, Stop: 38038, Start Num: 76

Candidate Starts for Jiawan_56:
(Start: 76 @38310 has 228 MA's), (Start: 106 @38301 has 36 MA's), (Start: 134 @38244 has 1 MA's),
(147, 38208), (163, 38169), (173, 38142), (178, 38130),

Gene: Jobypre_31 Start: 28829, Stop: 29050, Start Num: 130
Candidate Starts for Jobypre_31:
(Start: 111 @28784 has 84 MA's), (Start: 119 @28796 has 9 MA's), (Start: 130 @28829 has 7 MA's),

Gene: JoeDirt_30 Start: 27672, Stop: 27941, Start Num: 111
Candidate Starts for JoeDirt_30:
(Start: 111 @27672 has 84 MA's), (Start: 130 @27717 has 7 MA's), (175, 27825),

Gene: Joemato_33 Start: 24755, Stop: 25021, Start Num: 95
Candidate Starts for Joemato_33:
(19, 24497), (Start: 95 @24755 has 26 MA's), (176, 24938),

Gene: JohnDoe_33 Start: 24746, Stop: 25012, Start Num: 95
Candidate Starts for JohnDoe_33:
(19, 24488), (Start: 95 @24746 has 26 MA's), (176, 24929),

Gene: JonJames_133 Start: 77174, Stop: 77473, Start Num: 99
Candidate Starts for JonJames_133:
(Start: 99 @77174 has 17 MA's), (Start: 131 @77234 has 1 MA's), (147, 77276), (150, 77285), (163,
77321), (175, 77351),

Gene: Jorgensen_65 Start: 41384, Stop: 41109, Start Num: 76
Candidate Starts for Jorgensen_65:
(Start: 75 @41387 has 29 MA's), (Start: 76 @41384 has 228 MA's), (Start: 83 @41372 has 5 MA's),
(Start: 119 @41342 has 9 MA's), (137, 41291), (141, 41276), (151, 41255), (163, 41225), (175, 41195),
(210, 41120),

Gene: Joselito_58 Start: 37786, Stop: 37514, Start Num: 76
Candidate Starts for Joselito_58:
(Start: 76 @37786 has 228 MA's), (Start: 106 @37777 has 36 MA's), (178, 37606),

Gene: Journey13_52 Start: 36811, Stop: 36539, Start Num: 76
Candidate Starts for Journey13_52:
(Start: 76 @36811 has 228 MA's), (Start: 106 @36802 has 36 MA's), (Start: 119 @36784 has 9 MA's),
(150, 36700), (166, 36661), (178, 36631),

Gene: Joy99_66 Start: 43551, Stop: 43793, Start Num: 115
Candidate Starts for Joy99_66:
(Start: 115 @43551 has 156 MA's), (148, 43641), (194, 43737), (203, 43761),

Gene: JoyLin_51 Start: 37210, Stop: 37458, Start Num: 109
Candidate Starts for JoyLin_51:
(Start: 109 @37210 has 10 MA's), (150, 37309), (154, 37315), (175, 37369), (176, 37372), (179,
37378), (212, 37447),

Gene: Jsquared_56 Start: 37405, Stop: 37133, Start Num: 76
Candidate Starts for Jsquared_56:
(Start: 76 @37405 has 228 MA's), (Start: 116 @37384 has 1 MA's), (Start: 119 @37378 has 9 MA's),
(166, 37255), (171, 37243),

Gene: Jstan_36 Start: 26608, Stop: 26865, Start Num: 111

Candidate Starts for Jstan_36:

(19, 26371), (20, 26380), (Start: 111 @26608 has 84 MA's), (Start: 131 @26656 has 1 MA's), (178, 26773),

Gene: Jubie_31 Start: 28785, Stop: 29051, Start Num: 111

Candidate Starts for Jubie_31:

(Start: 111 @28785 has 84 MA's), (Start: 119 @28797 has 9 MA's), (Start: 130 @28830 has 7 MA's),

Gene: JuicyJay_54 Start: 45887, Stop: 46132, Start Num: 112

Candidate Starts for JuicyJay_54:

(Start: 112 @45887 has 172 MA's), (137, 45950), (148, 45980), (149, 45983), (176, 46043), (179, 46046), (180, 46049),

Gene: JuliaChild_63 Start: 41613, Stop: 41338, Start Num: 76

Candidate Starts for JuliaChild_63:

(Start: 75 @41616 has 29 MA's), (Start: 76 @41613 has 228 MA's), (Start: 83 @41601 has 5 MA's), (Start: 119 @41571 has 9 MA's), (137, 41520), (141, 41505), (151, 41484), (163, 41454), (175, 41424),

Gene: JuneStar_33 Start: 26763, Stop: 27023, Start Num: 95

Candidate Starts for JuneStar_33:

(Start: 95 @26763 has 26 MA's), (176, 26922),

Gene: KBG_63 Start: 43145, Stop: 42876, Start Num: 75

Candidate Starts for KBG_63:

(Start: 75 @43145 has 29 MA's), (Start: 76 @43142 has 228 MA's), (Start: 83 @43130 has 5 MA's), (Start: 121 @43106 has 1 MA's), (Start: 136 @43061 has 3 MA's), (141, 43043), (163, 42992), (210, 42887),

Gene: KSSJEB_62 Start: 40592, Stop: 40323, Start Num: 75

Candidate Starts for KSSJEB_62:

(Start: 75 @40592 has 29 MA's), (Start: 76 @40589 has 228 MA's), (Start: 83 @40577 has 5 MA's), (Start: 119 @40556 has 9 MA's), (137, 40505), (141, 40490), (151, 40469), (163, 40439), (175, 40409),

Gene: KSunshine22_102 Start: 83941, Stop: 84201, Start Num: 112

Candidate Starts for KSunshine22_102:

(Start: 112 @83941 has 172 MA's), (203, 84160), (204, 84163),

Gene: Kahlid_32 Start: 28472, Stop: 28693, Start Num: 130

Candidate Starts for Kahlid_32:

(Start: 111 @28427 has 84 MA's), (Start: 130 @28472 has 7 MA's), (149, 28523), (180, 28589), (210, 28661), (220, 28682),

Gene: Kalah2_52 Start: 44487, Stop: 44732, Start Num: 112

Candidate Starts for Kalah2_52:

(Start: 112 @44487 has 172 MA's), (137, 44550), (148, 44580), (149, 44583), (176, 44643), (179, 44646), (180, 44649),

Gene: Kalimba_31 Start: 22493, Stop: 22759, Start Num: 100

Candidate Starts for Kalimba_31:

(Start: 100 @22493 has 38 MA's), (Start: 109 @22502 has 10 MA's), (Start: 115 @22508 has 156 MA's), (139, 22571),

Gene: Kanely_63 Start: 41177, Stop: 40902, Start Num: 76

Candidate Starts for Kanely_63:

(Start: 75 @41180 has 29 MA's), (Start: 76 @41177 has 228 MA's), (Start: 83 @41165 has 5 MA's), (137, 41084), (141, 41069), (151, 41048), (163, 41018), (175, 40988),

Gene: Kanye_39 Start: 34121, Stop: 34366, Start Num: 112

Candidate Starts for Kanye_39:

(Start: 112 @34121 has 172 MA's), (Start: 136 @34178 has 3 MA's), (148, 34211), (150, 34217), (173, 34271), (179, 34283),

Gene: KashFlow_45 Start: 38241, Stop: 38489, Start Num: 112

Candidate Starts for KashFlow_45:

(Start: 112 @38241 has 172 MA's), (166, 38373),

Gene: KatherineG_64 Start: 37864, Stop: 37595, Start Num: 100

Candidate Starts for KatherineG_64:

(Start: 100 @37864 has 38 MA's), (178, 37687),

Gene: Kaylissa_33 Start: 24719, Stop: 24961, Start Num: 95

Candidate Starts for Kaylissa_33:

(Start: 95 @24719 has 26 MA's), (176, 24878),

Gene: KeAlii_33 Start: 24733, Stop: 24990, Start Num: 91

Candidate Starts for KeAlii_33:

(25, 24508), (Start: 91 @24733 has 4 MA's),

Gene: Keelan_118 Start: 57003, Stop: 57242, Start Num: 117

Candidate Starts for Keelan_118:

(67, 56925), (Start: 117 @57003 has 6 MA's), (Start: 131 @57042 has 1 MA's), (137, 57057), (164, 57123), (196, 57198), (205, 57219),

Gene: Kenmech_65 Start: 42818, Stop: 42549, Start Num: 75

Candidate Starts for Kenmech_65:

(Start: 75 @42818 has 29 MA's), (Start: 76 @42815 has 228 MA's), (Start: 83 @42803 has 5 MA's), (Start: 119 @42782 has 9 MA's), (137, 42731), (141, 42716), (151, 42695), (163, 42665), (175, 42635),

Gene: Kerberos_60 Start: 38268, Stop: 37996, Start Num: 76

Candidate Starts for Kerberos_60:

(Start: 76 @38268 has 228 MA's), (Start: 106 @38259 has 36 MA's), (147, 38166), (178, 38088), (203, 38034),

Gene: Kevin1_52 Start: 34949, Stop: 35200, Start Num: 106

Candidate Starts for Kevin1_52:

(33, 34775), (62, 34871), (Start: 106 @34949 has 36 MA's), (Start: 116 @34961 has 1 MA's), (148, 35045), (175, 35111), (176, 35114),

Gene: Keziacharles14_58 Start: 39366, Stop: 39094, Start Num: 76

Candidate Starts for Keziacharles14_58:

(Start: 76 @39366 has 228 MA's), (Start: 106 @39357 has 36 MA's), (Start: 134 @39300 has 1 MA's), (147, 39264), (164, 39222),

Gene: Khuang_61 Start: 36119, Stop: 36397, Start Num: 112

Candidate Starts for Khuang_61:

(65, 36041), (Start: 112 @36119 has 172 MA's), (Start: 131 @36164 has 1 MA's), (153, 36221), (155, 36224), (175, 36290),

Gene: KiSi_71 Start: 44647, Stop: 44877, Start Num: 115

Candidate Starts for KiSi_71:

(Start: 115 @44647 has 156 MA's), (159, 44764), (172, 44782),

Gene: Kikiko_7 Start: 5275, Stop: 4988, Start Num: 107

Candidate Starts for Kikiko_7:

(Start: 107 @5275 has 1 MA's), (Start: 131 @5227 has 1 MA's), (147, 5185), (174, 5101),

Gene: Kimchi_39 Start: 33128, Stop: 33373, Start Num: 112

Candidate Starts for Kimchi_39:

(Start: 112 @33128 has 172 MA's), (Start: 136 @33185 has 3 MA's), (148, 33218), (150, 33224), (173, 33278), (179, 33290),

Gene: Kimchi1738_51 Start: 43674, Stop: 43384, Start Num: 104

Candidate Starts for Kimchi1738_51:

(Start: 104 @43674 has 11 MA's), (132, 43611), (171, 43497), (175, 43485),

Gene: KingCyrus_60 Start: 40022, Stop: 39750, Start Num: 76

Candidate Starts for KingCyrus_60:

(Start: 76 @40022 has 228 MA's), (Start: 106 @40013 has 36 MA's), (Start: 116 @40001 has 1 MA's), (Start: 119 @39995 has 9 MA's), (166, 39872),

Gene: Kingsolomon_31 Start: 28784, Stop: 29050, Start Num: 111

Candidate Starts for Kingsolomon_31:

(Start: 111 @28784 has 84 MA's), (Start: 119 @28796 has 9 MA's), (Start: 130 @28829 has 7 MA's),

Gene: KirDoubleO7_29 Start: 28812, Stop: 29033, Start Num: 130

Candidate Starts for KirDoubleO7_29:

(Start: 111 @28767 has 84 MA's), (Start: 119 @28779 has 9 MA's), (Start: 130 @28812 has 7 MA's), (148, 28860),

Gene: Klein_52 Start: 43699, Stop: 43944, Start Num: 112

Candidate Starts for Klein_52:

(Start: 112 @43699 has 172 MA's), (137, 43762), (148, 43792), (149, 43795), (176, 43855), (179, 43858), (180, 43861),

Gene: KleverKiS_40 Start: 32760, Stop: 33020, Start Num: 112

Candidate Starts for KleverKiS_40:

(44, 32631), (Start: 98 @32742 has 11 MA's), (Start: 112 @32760 has 172 MA's), (137, 32823), (172, 32910), (175, 32919), (179, 32928),

Gene: Koduck_59 Start: 37723, Stop: 37412, Start Num: 76

Candidate Starts for Koduck_59:

(9, 38146), (18, 37963), (22, 37924), (Start: 76 @37723 has 228 MA's), (Start: 99 @37684 has 17 MA's), (Start: 119 @37657 has 9 MA's), (166, 37534), (171, 37522),

Gene: Kostya_38 Start: 33136, Stop: 33381, Start Num: 112

Candidate Starts for Kostya_38:

(Start: 112 @33136 has 172 MA's), (Start: 136 @33193 has 3 MA's), (148, 33226), (150, 33232), (173, 33286), (179, 33298),

Gene: Kratio_58 Start: 40509, Stop: 40757, Start Num: 115

Candidate Starts for Kratio_58:

(Start: 115 @40509 has 156 MA's), (164, 40641), (176, 40671), (198, 40704),

Gene: Kropertea_30 Start: 27482, Stop: 27745, Start Num: 111

Candidate Starts for Kropertea_30:

(Start: 111 @27482 has 84 MA's), (Start: 130 @27527 has 7 MA's), (179, 27641),

Gene: Krypton555_31 Start: 28682, Stop: 28948, Start Num: 111

Candidate Starts for Krypton555_31:

(85, 28643), (Start: 111 @28682 has 84 MA's), (Start: 119 @28694 has 9 MA's), (Start: 130 @28727 has 7 MA's), (148, 28775),

Gene: Kumao_40 Start: 35332, Stop: 35592, Start Num: 104

Candidate Starts for Kumao_40:

(Start: 104 @35332 has 11 MA's), (Start: 112 @35341 has 172 MA's), (132, 35392), (151, 35440), (163, 35470), (166, 35479), (175, 35500), (176, 35503), (178, 35506),

Gene: Kumotta_57 Start: 33061, Stop: 33339, Start Num: 109

Candidate Starts for Kumotta_57:

(Start: 109 @33061 has 10 MA's), (Start: 131 @33109 has 1 MA's), (171, 33223),

Gene: KyMonks1A_65 Start: 41158, Stop: 40901, Start Num: 86

Candidate Starts for KyMonks1A_65:

(Start: 86 @41158 has 10 MA's), (Start: 116 @41140 has 1 MA's), (Start: 119 @41134 has 9 MA's), (137, 41083), (141, 41068), (151, 41047), (163, 41017), (175, 40987), (210, 40912),

Gene: L5_56 Start: 37810, Stop: 37499, Start Num: 76

Candidate Starts for L5_56:

(9, 38233), (18, 38050), (22, 38011), (Start: 76 @37810 has 228 MA's), (Start: 99 @37771 has 17 MA's), (Start: 119 @37744 has 9 MA's), (166, 37621), (171, 37609),

Gene: Lamina13_66 Start: 42549, Stop: 42280, Start Num: 75

Candidate Starts for Lamina13_66:

(Start: 75 @42549 has 29 MA's), (Start: 76 @42546 has 228 MA's), (Start: 83 @42534 has 5 MA's), (Start: 119 @42513 has 9 MA's), (137, 42462), (141, 42447), (151, 42426), (163, 42396), (175, 42366), (210, 42291),

Gene: Larenn_57 Start: 38431, Stop: 38159, Start Num: 76

Candidate Starts for Larenn_57:

(Start: 76 @38431 has 228 MA's), (Start: 119 @38404 has 9 MA's), (132, 38368), (148, 38326), (166, 38281), (178, 38251), (182, 38242),

Gene: Larva_61 Start: 41955, Stop: 42203, Start Num: 115

Candidate Starts for Larva_61:

(Start: 115 @41955 has 156 MA's), (141, 42030), (172, 42102),

Gene: LastHope_71 Start: 43062, Stop: 43310, Start Num: 115

Candidate Starts for LastHope_71:

(Start: 115 @43062 has 156 MA's), (148, 43152), (194, 43248), (203, 43272),

Gene: LastResort_62 Start: 37443, Stop: 37174, Start Num: 100
Candidate Starts for LastResort_62:
(7, 37887), (11, 37863), (14, 37785), (Start: 100 @37443 has 38 MA's), (178, 37266),

Gene: LaterM_67 Start: 44313, Stop: 44555, Start Num: 115
Candidate Starts for LaterM_67:
(Start: 115 @44313 has 156 MA's), (148, 44403), (194, 44499), (203, 44523),

Gene: LeBron_30 Start: 27716, Stop: 27985, Start Num: 111
Candidate Starts for LeBron_30:
(Start: 111 @27716 has 84 MA's), (Start: 130 @27761 has 7 MA's), (175, 27869),

Gene: LeMond_70 Start: 44281, Stop: 44508, Start Num: 115
Candidate Starts for LeMond_70:
(Start: 115 @44281 has 156 MA's), (159, 44398), (172, 44416), (194, 44452),

Gene: Lea83_69 Start: 44132, Stop: 44374, Start Num: 111
Candidate Starts for Lea83_69:
(Start: 111 @44132 has 84 MA's), (Start: 128 @44165 has 2 MA's), (148, 44222), (172, 44282), (176, 44294),

Gene: LeeroyJenkins_54 Start: 34043, Stop: 34282, Start Num: 115
Candidate Starts for LeeroyJenkins_54:
(Start: 115 @34043 has 156 MA's), (137, 34100), (147, 34127), (150, 34136),

Gene: Lego_33 Start: 24673, Stop: 24915, Start Num: 95
Candidate Starts for Lego_33:
(Start: 95 @24673 has 26 MA's),

Gene: LeoJr_107 Start: 87292, Stop: 87555, Start Num: 112
Candidate Starts for LeoJr_107:
(Start: 112 @87292 has 172 MA's), (190, 87481),

Gene: Leopard_52 Start: 39719, Stop: 39474, Start Num: 112
Candidate Starts for Leopard_52:
(Start: 112 @39719 has 172 MA's), (137, 39659), (147, 39632), (164, 39593), (173, 39569), (175, 39563), (179, 39557), (190, 39533),

Gene: Lesedi_58 Start: 39515, Stop: 39249, Start Num: 76
Candidate Starts for Lesedi_58:
(Start: 76 @39515 has 228 MA's), (Start: 83 @39503 has 5 MA's), (Start: 119 @39482 has 9 MA's), (137, 39431), (141, 39416), (151, 39395), (163, 39365), (175, 39335), (210, 39260),

Gene: Leston_60 Start: 42561, Stop: 42809, Start Num: 115
Candidate Starts for Leston_60:
(Start: 115 @42561 has 156 MA's), (141, 42636), (172, 42708),

Gene: Levia_57 Start: 40538, Stop: 40263, Start Num: 76
Candidate Starts for Levia_57:
(Start: 75 @40541 has 29 MA's), (Start: 76 @40538 has 228 MA's), (Start: 83 @40526 has 5 MA's), (Start: 119 @40496 has 9 MA's), (141, 40430), (151, 40409), (163, 40379), (175, 40349),

Gene: Leviathan_60 Start: 38898, Stop: 38626, Start Num: 76

Candidate Starts for Leviathan_60:

(Start: 76 @38898 has 228 MA's), (Start: 106 @38889 has 36 MA's), (Start: 116 @38877 has 1 MA's), (Start: 119 @38871 has 9 MA's), (166, 38748),

Gene: Lewan_32 Start: 28467, Stop: 28688, Start Num: 130

Candidate Starts for Lewan_32:

(Start: 111 @28422 has 84 MA's), (Start: 130 @28467 has 7 MA's), (149, 28518), (180, 28584), (210, 28656), (220, 28677),

Gene: Licorice_63 Start: 42655, Stop: 42389, Start Num: 76

Candidate Starts for Licorice_63:

(Start: 75 @42658 has 29 MA's), (Start: 76 @42655 has 228 MA's), (Start: 83 @42643 has 5 MA's), (Start: 119 @42622 has 9 MA's), (137, 42571), (141, 42556), (151, 42535), (163, 42505), (175, 42475),

Gene: Liebe_36 Start: 26803, Stop: 26994, Start Num: 134

Candidate Starts for Liebe_36:

(Start: 114 @26752 has 5 MA's), (Start: 134 @26803 has 1 MA's), (176, 26911),

Gene: Lifes_48 Start: 30666, Stop: 30905, Start Num: 115

Candidate Starts for Lifes_48:

(47, 30549), (54, 30567), (Start: 115 @30666 has 156 MA's), (137, 30723), (150, 30759),

Gene: LilBib_62 Start: 42639, Stop: 42373, Start Num: 76

Candidate Starts for LilBib_62:

(Start: 75 @42642 has 29 MA's), (Start: 76 @42639 has 228 MA's), (Start: 83 @42627 has 5 MA's), (Start: 119 @42606 has 9 MA's), (137, 42555), (141, 42540), (151, 42519), (163, 42489), (175, 42459),

Gene: LilDestine_32 Start: 28421, Stop: 28687, Start Num: 111

Candidate Starts for LilDestine_32:

(Start: 111 @28421 has 84 MA's), (122, 28445), (Start: 130 @28466 has 7 MA's), (149, 28517), (180, 28583), (210, 28655), (220, 28676),

Gene: LilPharaoh_56 Start: 40669, Stop: 40914, Start Num: 115

Candidate Starts for LilPharaoh_56:

(60, 40597), (Start: 115 @40669 has 156 MA's), (157, 40774), (172, 40816), (194, 40852),

Gene: LilTurb_59 Start: 38722, Stop: 38450, Start Num: 76

Candidate Starts for LilTurb_59:

(Start: 76 @38722 has 228 MA's), (Start: 106 @38713 has 36 MA's), (Start: 116 @38701 has 1 MA's), (Start: 119 @38695 has 9 MA's), (166, 38572),

Gene: Lilac_39 Start: 32632, Stop: 32877, Start Num: 112

Candidate Starts for Lilac_39:

(Start: 112 @32632 has 172 MA's), (Start: 136 @32689 has 3 MA's), (148, 32722), (150, 32728), (173, 32782), (179, 32794),

Gene: LilhomieP_38 Start: 32762, Stop: 33040, Start Num: 98

Candidate Starts for LilhomieP_38:

(44, 32651), (Start: 98 @32762 has 11 MA's), (Start: 112 @32780 has 172 MA's), (137, 32843), (172, 32930), (175, 32939), (179, 32948),

Gene: Lilizi_39 Start: 32840, Stop: 33085, Start Num: 112

Candidate Starts for Lilizi_39:

(Start: 112 @32840 has 172 MA's), (Start: 136 @32897 has 3 MA's), (148, 32930), (150, 32936), (173, 32990), (179, 33002),

Gene: Lilleskat_56 Start: 38227, Stop: 37955, Start Num: 76

Candidate Starts for Lilleskat_56:

(Start: 76 @38227 has 228 MA's), (Start: 106 @38218 has 36 MA's), (Start: 134 @38161 has 1 MA's), (147, 38125), (163, 38086), (173, 38059), (178, 38047),

Gene: Lilpickle_36 Start: 32342, Stop: 32587, Start Num: 112

Candidate Starts for Lilpickle_36:

(Start: 112 @32342 has 172 MA's), (Start: 136 @32399 has 3 MA's), (148, 32432), (150, 32438), (173, 32492), (179, 32504),

Gene: LindNT_66 Start: 44110, Stop: 44352, Start Num: 115

Candidate Starts for LindNT_66:

(Start: 115 @44110 has 156 MA's), (148, 44200), (194, 44296),

Gene: LionsBait_60 Start: 39877, Stop: 39605, Start Num: 76

Candidate Starts for LionsBait_60:

(9, 40300), (10, 40291), (18, 40117), (22, 40078), (Start: 76 @39877 has 228 MA's), (Start: 116 @39856 has 1 MA's), (Start: 119 @39850 has 9 MA's), (166, 39727), (178, 39697),

Gene: LittleE_56 Start: 43957, Stop: 44196, Start Num: 119

Candidate Starts for LittleE_56:

(Start: 119 @43957 has 9 MA's), (Start: 129 @43984 has 1 MA's), (148, 44038), (149, 44041), (175, 44098), (194, 44134),

Gene: LiyuLake_31 Start: 28737, Stop: 29003, Start Num: 111

Candidate Starts for LiyuLake_31:

(Start: 111 @28737 has 84 MA's), (Start: 119 @28749 has 9 MA's), (Start: 130 @28782 has 7 MA's), (148, 28830),

Gene: Lizalica_32 Start: 24547, Stop: 24813, Start Num: 95

Candidate Starts for Lizalica_32:

(Start: 95 @24547 has 26 MA's), (176, 24730),

Gene: Llorens_66 Start: 43622, Stop: 43864, Start Num: 115

Candidate Starts for Llorens_66:

(Start: 115 @43622 has 156 MA's), (148, 43712), (194, 43808), (203, 43832),

Gene: Loadrie_32 Start: 28454, Stop: 28720, Start Num: 111

Candidate Starts for Loadrie_32:

(Start: 111 @28454 has 84 MA's), (Start: 130 @28499 has 7 MA's), (149, 28550), (180, 28616), (210, 28688), (220, 28709),

Gene: Lockley_59 Start: 40855, Stop: 40580, Start Num: 76

Candidate Starts for Lockley_59:

(Start: 76 @40855 has 228 MA's), (Start: 83 @40843 has 5 MA's), (Start: 119 @40813 has 9 MA's), (137, 40762), (141, 40747), (151, 40726), (162, 40699), (163, 40696), (175, 40666), (210, 40591),

Gene: Lokk_55 Start: 37800, Stop: 37528, Start Num: 76

Candidate Starts for Lokk_55:

(Start: 76 @37800 has 228 MA's), (Start: 119 @37773 has 9 MA's), (166, 37650), (178, 37620),

Gene: Lolly9_31 Start: 28548, Stop: 28814, Start Num: 111

Candidate Starts for Lolly9_31:

(Start: 111 @28548 has 84 MA's), (Start: 119 @28560 has 9 MA's), (Start: 130 @28593 has 7 MA's),

Gene: London_34 Start: 26623, Stop: 26880, Start Num: 111

Candidate Starts for London_34:

(19, 26386), (20, 26395), (Start: 111 @26623 has 84 MA's), (Start: 131 @26671 has 1 MA's), (178, 26788),

Gene: LoneWolf_59 Start: 38258, Stop: 37986, Start Num: 76

Candidate Starts for LoneWolf_59:

(Start: 76 @38258 has 228 MA's), (Start: 106 @38249 has 36 MA's), (Start: 134 @38192 has 1 MA's), (147, 38156), (166, 38108), (178, 38078),

Gene: Looper_63 Start: 37355, Stop: 37086, Start Num: 100

Candidate Starts for Looper_63:

(7, 37799), (11, 37775), (14, 37697), (Start: 100 @37355 has 38 MA's), (178, 37178),

Gene: Lopton_60 Start: 42624, Stop: 42370, Start Num: 83

Candidate Starts for Lopton_60:

(Start: 74 @42636 has 5 MA's), (Start: 83 @42624 has 5 MA's), (Start: 119 @42603 has 9 MA's), (137, 42552), (141, 42537), (151, 42516), (163, 42486), (175, 42456),

Gene: Lozinak_125 Start: 71628, Stop: 71921, Start Num: 99

Candidate Starts for Lozinak_125:

(Start: 99 @71628 has 17 MA's), (Start: 128 @71676 has 2 MA's), (175, 71805),

Gene: Lucivia_58 Start: 37835, Stop: 37563, Start Num: 76

Candidate Starts for Lucivia_58:

(Start: 76 @37835 has 228 MA's), (Start: 106 @37826 has 36 MA's), (178, 37655),

Gene: Lucky2013_51 Start: 40948, Stop: 41187, Start Num: 119

Candidate Starts for Lucky2013_51:

(Start: 119 @40948 has 9 MA's), (Start: 129 @40975 has 1 MA's), (148, 41029), (149, 41032), (175, 41089), (194, 41125),

Gene: Lucyedi_59 Start: 38336, Stop: 38067, Start Num: 101

Candidate Starts for Lucyedi_59:

(47, 38408), (Start: 76 @38339 has 228 MA's), (Start: 101 @38336 has 7 MA's), (Start: 106 @38330 has 36 MA's), (147, 38237), (164, 38195), (166, 38189), (178, 38159),

Gene: Lumos_31 Start: 28781, Stop: 29047, Start Num: 111

Candidate Starts for Lumos_31:

(Start: 111 @28781 has 84 MA's), (Start: 119 @28793 has 9 MA's), (Start: 130 @28826 has 7 MA's),

Gene: Lunahalos_66 Start: 43622, Stop: 43864, Start Num: 115

Candidate Starts for Lunahalos_66:

(Start: 115 @43622 has 156 MA's), (148, 43712), (194, 43808), (203, 43832),

Gene: LunarLander_64 Start: 41834, Stop: 41568, Start Num: 76

Candidate Starts for LunarLander_64:

(Start: 75 @41837 has 29 MA's), (Start: 76 @41834 has 228 MA's), (Start: 83 @41822 has 5 MA's),
(Start: 119 @41801 has 9 MA's), (137, 41750), (141, 41735), (151, 41714), (163, 41684), (175, 41654),

Gene: MAckerman_30 Start: 27690, Stop: 27959, Start Num: 111
Candidate Starts for MAckerman_30:
(Start: 111 @27690 has 84 MA's), (Start: 130 @27735 has 7 MA's), (175, 27843),

Gene: MISSy_36 Start: 32648, Stop: 32893, Start Num: 112
Candidate Starts for MISSy_36:
(Start: 112 @32648 has 172 MA's), (Start: 136 @32705 has 3 MA's), (148, 32738), (150, 32744), (173, 32798), (179, 32810),

Gene: MPhalcon_36 Start: 32641, Stop: 32886, Start Num: 112
Candidate Starts for MPhalcon_36:
(Start: 112 @32641 has 172 MA's), (Start: 136 @32698 has 3 MA's), (148, 32731), (150, 32737), (173, 32791), (179, 32803),

Gene: MaCh_58 Start: 37765, Stop: 37493, Start Num: 76
Candidate Starts for MaCh_58:
(Start: 76 @37765 has 228 MA's), (Start: 106 @37756 has 36 MA's), (166, 37615),

Gene: MaGuCo_34 Start: 25599, Stop: 25841, Start Num: 114
Candidate Starts for MaGuCo_34:
(Start: 114 @25599 has 5 MA's), (Start: 134 @25650 has 1 MA's), (176, 25758),

Gene: Mabel_57 Start: 37367, Stop: 37095, Start Num: 76
Candidate Starts for Mabel_57:
(Start: 76 @37367 has 228 MA's), (Start: 106 @37358 has 36 MA's), (178, 37187),

Gene: Mabodamaca_42 Start: 28268, Stop: 28534, Start Num: 97
Candidate Starts for Mabodamaca_42:
(Start: 97 @28268 has 10 MA's), (Start: 131 @28322 has 1 MA's), (173, 28436),

Gene: MacKat_62 Start: 39405, Stop: 39647, Start Num: 115
Candidate Starts for MacKat_62:
(Start: 115 @39405 has 156 MA's), (148, 39495), (194, 39591), (203, 39615),

Gene: MacnCheese_70 Start: 44725, Stop: 44967, Start Num: 111
Candidate Starts for MacnCheese_70:
(Start: 111 @44725 has 84 MA's), (Start: 128 @44758 has 2 MA's), (148, 44815), (176, 44887), (194, 44911),

Gene: MadamMonkfish_37 Start: 32553, Stop: 32798, Start Num: 112
Candidate Starts for MadamMonkfish_37:
(Start: 112 @32553 has 172 MA's), (Start: 136 @32610 has 3 MA's), (148, 32643), (150, 32649), (173, 32703), (179, 32715),

Gene: Magnar_60 Start: 41031, Stop: 40774, Start Num: 86
Candidate Starts for Magnar_60:
(Start: 86 @41031 has 10 MA's), (Start: 116 @41013 has 1 MA's), (Start: 119 @41007 has 9 MA's),
(137, 40956), (141, 40941), (151, 40920), (163, 40890), (175, 40860), (210, 40785),

Gene: Magnito_60 Start: 40895, Stop: 40638, Start Num: 86

Candidate Starts for Magnito_60:

(Start: 86 @40895 has 10 MA's), (Start: 116 @40877 has 1 MA's), (Start: 119 @40871 has 9 MA's), (137, 40820), (141, 40805), (151, 40784), (159, 40763), (163, 40754), (175, 40724),

Gene: Magsby_50 Start: 34922, Stop: 35170, Start Num: 106

Candidate Starts for Magsby_50:

(12, 34508), (27, 34715), (33, 34748), (62, 34844), (Start: 106 @34922 has 36 MA's), (Start: 116 @34934 has 1 MA's), (Start: 119 @34940 has 9 MA's), (148, 35018), (175, 35084), (176, 35087),

Gene: MajorMajor_57 Start: 37421, Stop: 37149, Start Num: 76

Candidate Starts for MajorMajor_57:

(Start: 76 @37421 has 228 MA's), (Start: 116 @37400 has 1 MA's), (Start: 119 @37394 has 9 MA's), (166, 37271), (171, 37259),

Gene: Makemake_64 Start: 42602, Stop: 42336, Start Num: 74

Candidate Starts for Makemake_64:

(Start: 74 @42602 has 5 MA's), (Start: 83 @42590 has 5 MA's), (Start: 119 @42569 has 9 MA's), (137, 42518), (141, 42503), (151, 42482), (163, 42452), (175, 42422), (210, 42347),

Gene: Malec_58 Start: 38998, Stop: 38726, Start Num: 76

Candidate Starts for Malec_58:

(Start: 76 @38998 has 228 MA's), (Start: 119 @38971 has 9 MA's), (132, 38935), (148, 38893), (166, 38848), (178, 38818), (182, 38809),

Gene: Maminiaina_57 Start: 38227, Stop: 37955, Start Num: 76

Candidate Starts for Maminiaina_57:

(Start: 76 @38227 has 228 MA's), (Start: 106 @38218 has 36 MA's), (Start: 134 @38161 has 1 MA's), (147, 38125), (178, 38047),

Gene: Manatee_62 Start: 40921, Stop: 40652, Start Num: 75

Candidate Starts for Manatee_62:

(Start: 75 @40921 has 29 MA's), (Start: 76 @40918 has 228 MA's), (Start: 83 @40906 has 5 MA's), (Start: 116 @40891 has 1 MA's), (Start: 119 @40885 has 9 MA's), (137, 40834), (141, 40819), (151, 40798), (163, 40768), (175, 40738),

Gene: Manda_38 Start: 33620, Stop: 33865, Start Num: 112

Candidate Starts for Manda_38:

(Start: 112 @33620 has 172 MA's), (Start: 136 @33677 has 3 MA's), (148, 33710), (150, 33716), (173, 33770), (179, 33782),

Gene: Marcell_58 Start: 39784, Stop: 39509, Start Num: 76

Candidate Starts for Marcell_58:

(65, 39808), (Start: 75 @39787 has 29 MA's), (Start: 76 @39784 has 228 MA's), (Start: 83 @39772 has 5 MA's), (Start: 119 @39742 has 9 MA's), (137, 39691), (141, 39676), (151, 39655), (163, 39625), (175, 39595),

Gene: Marchy_56 Start: 37872, Stop: 37597, Start Num: 76

Candidate Starts for Marchy_56:

(Start: 75 @37875 has 29 MA's), (Start: 76 @37872 has 228 MA's), (Start: 83 @37860 has 5 MA's), (Start: 119 @37830 has 9 MA's), (137, 37779), (141, 37764), (151, 37743), (159, 37722), (163, 37713), (175, 37683),

Gene: Marco3_64 Start: 42801, Stop: 42535, Start Num: 76

Candidate Starts for Marco3_64:

(Start: 75 @42804 has 29 MA's), (Start: 76 @42801 has 228 MA's), (Start: 83 @42789 has 5 MA's),
(Start: 116 @42774 has 1 MA's), (Start: 119 @42768 has 9 MA's), (137, 42717), (141, 42702), (151,
42681), (163, 42651), (175, 42621), (210, 42546),

Gene: Marcoliusprime_69 Start: 46092, Stop: 46337, Start Num: 115

Candidate Starts for Marcoliusprime_69:

(63, 46035), (66, 46041), (Start: 115 @46092 has 156 MA's), (148, 46182), (163, 46218), (176, 46251),

Gene: MargaretKali_53 Start: 31679, Stop: 31957, Start Num: 109

Candidate Starts for MargaretKali_53:

(Start: 109 @31679 has 10 MA's), (Start: 131 @31727 has 1 MA's), (171, 31841),

Gene: Marge_59 Start: 40664, Stop: 40398, Start Num: 76

Candidate Starts for Marge_59:

(Start: 75 @40667 has 29 MA's), (Start: 76 @40664 has 228 MA's), (Start: 83 @40652 has 5 MA's),
(Start: 119 @40631 has 9 MA's), (137, 40580), (141, 40565), (151, 40544), (163, 40514), (175, 40484),

Gene: MarkPhew_69 Start: 43780, Stop: 44007, Start Num: 115

Candidate Starts for MarkPhew_69:

(Start: 115 @43780 has 156 MA's), (159, 43897), (171, 43912), (172, 43915), (194, 43951),

Gene: Marleymoo_53 Start: 43853, Stop: 44062, Start Num: 129

Candidate Starts for Marleymoo_53:

(Start: 119 @43826 has 9 MA's), (Start: 129 @43853 has 1 MA's), (148, 43907), (149, 43910), (175,
43967), (194, 44003), (210, 44051),

Gene: Maroc7_59 Start: 41311, Stop: 41042, Start Num: 75

Candidate Starts for Maroc7_59:

(65, 41332), (Start: 75 @41311 has 29 MA's), (Start: 76 @41308 has 228 MA's), (Start: 83 @41296
has 5 MA's), (Start: 119 @41275 has 9 MA's), (137, 41224), (141, 41209), (151, 41188), (163, 41158),
(175, 41128),

Gene: Marshawn_66 Start: 44145, Stop: 44384, Start Num: 115

Candidate Starts for Marshawn_66:

(Start: 115 @44145 has 156 MA's), (148, 44235),

Gene: Marshmallow_37 Start: 33133, Stop: 33378, Start Num: 112

Candidate Starts for Marshmallow_37:

(Start: 112 @33133 has 172 MA's), (Start: 136 @33190 has 3 MA's), (148, 33223), (150, 33229), (173,
33283), (179, 33295),

Gene: MaryBeth_60 Start: 41488, Stop: 41222, Start Num: 76

Candidate Starts for MaryBeth_60:

(Start: 75 @41491 has 29 MA's), (Start: 76 @41488 has 228 MA's), (Start: 83 @41476 has 5 MA's),
(Start: 119 @41455 has 9 MA's), (137, 41404), (141, 41389), (151, 41368), (163, 41338), (175, 41308),
(210, 41233),

Gene: MaryV_53 Start: 39346, Stop: 39594, Start Num: 112

Candidate Starts for MaryV_53:

(Start: 112 @39346 has 172 MA's), (143, 39427), (163, 39475), (176, 39508), (178, 39511), (179,
39514), (194, 39547), (206, 39583),

Gene: Maureen_36 Start: 26752, Stop: 26994, Start Num: 114
Candidate Starts for Maureen_36:
(Start: 114 @26752 has 5 MA's), (Start: 134 @26803 has 1 MA's), (176, 26911),

Gene: Maxxinista_38 Start: 32602, Stop: 32847, Start Num: 112
Candidate Starts for Maxxinista_38:
(Start: 112 @32602 has 172 MA's), (Start: 136 @32659 has 3 MA's), (148, 32692), (150, 32698), (173, 32752), (179, 32764),

Gene: Mbo4_60 Start: 42893, Stop: 43174, Start Num: 112
Candidate Starts for Mbo4_60:
(5, 42125), (Start: 112 @42893 has 172 MA's), (Start: 128 @42926 has 2 MA's),

Gene: McMater_69 Start: 44123, Stop: 44362, Start Num: 113
Candidate Starts for McMater_69:
(Start: 113 @44123 has 5 MA's), (148, 44213), (163, 44249), (171, 44267), (203, 44330),

Gene: McSinger_59 Start: 40407, Stop: 40132, Start Num: 76
Candidate Starts for McSinger_59:
(Start: 75 @40410 has 29 MA's), (Start: 76 @40407 has 228 MA's), (Start: 83 @40395 has 5 MA's), (137, 40314), (141, 40299), (151, 40278), (163, 40248), (175, 40218),

Gene: Mdavu_56 Start: 40930, Stop: 41175, Start Num: 115
Candidate Starts for Mdavu_56:
(60, 40858), (Start: 115 @40930 has 156 MA's), (157, 41035), (172, 41077), (194, 41113),

Gene: MeaningOfLife_67 Start: 44374, Stop: 44616, Start Num: 115
Candidate Starts for MeaningOfLife_67:
(Start: 115 @44374 has 156 MA's), (148, 44464), (194, 44560), (203, 44584),

Gene: Megsy_69 Start: 44032, Stop: 44277, Start Num: 115
Candidate Starts for Megsy_69:
(Start: 115 @44032 has 156 MA's), (148, 44122), (194, 44218), (213, 44269),

Gene: Melville_53 Start: 34906, Stop: 35154, Start Num: 106
Candidate Starts for Melville_53:
(12, 34492), (27, 34699), (33, 34732), (62, 34828), (Start: 106 @34906 has 36 MA's), (Start: 116 @34918 has 1 MA's), (Start: 119 @34924 has 9 MA's), (148, 35002), (175, 35068), (176, 35071),

Gene: MetalQZJ_59 Start: 41488, Stop: 41222, Start Num: 76
Candidate Starts for MetalQZJ_59:
(Start: 75 @41491 has 29 MA's), (Start: 76 @41488 has 228 MA's), (Start: 83 @41476 has 5 MA's), (Start: 119 @41455 has 9 MA's), (137, 41404), (141, 41389), (151, 41368), (163, 41338), (175, 41308), (210, 41233),

Gene: MiaZeal_51 Start: 40623, Stop: 40862, Start Num: 119
Candidate Starts for MiaZeal_51:
(Start: 119 @40623 has 9 MA's), (Start: 129 @40650 has 1 MA's), (148, 40704), (149, 40707), (175, 40764), (194, 40800),

Gene: Michley_65 Start: 41769, Stop: 41494, Start Num: 76
Candidate Starts for Michley_65:

(Start: 76 @41769 has 228 MA's), (Start: 83 @41757 has 5 MA's), (137, 41676), (141, 41661), (151, 41640), (163, 41610), (175, 41580), (210, 41505),

Gene: Miko_55 Start: 38578, Stop: 38306, Start Num: 76

Candidate Starts for Miko_55:

(22, 38779), (Start: 76 @38578 has 228 MA's), (Start: 119 @38551 has 9 MA's), (166, 38428), (178, 38398),

Gene: Miley16_32 Start: 28422, Stop: 28688, Start Num: 111

Candidate Starts for Miley16_32:

(Start: 111 @28422 has 84 MA's), (Start: 130 @28467 has 7 MA's), (149, 28518), (180, 28584), (210, 28656), (220, 28677),

Gene: Milly_69 Start: 46066, Stop: 46311, Start Num: 115

Candidate Starts for Milly_69:

(60, 46003), (Start: 115 @46066 has 156 MA's), (148, 46156), (176, 46225),

Gene: Mimi_108 Start: 86487, Stop: 86735, Start Num: 112

Candidate Starts for Mimi_108:

(Start: 112 @86487 has 172 MA's), (Start: 116 @86493 has 1 MA's), (Start: 119 @86499 has 9 MA's),

Gene: Mindy_37 Start: 32913, Stop: 33158, Start Num: 112

Candidate Starts for Mindy_37:

(Start: 112 @32913 has 172 MA's), (Start: 136 @32970 has 3 MA's), (148, 33003), (150, 33009), (171, 33057), (173, 33063), (179, 33075),

Gene: MinecraftSteve_64 Start: 37679, Stop: 37410, Start Num: 100

Candidate Starts for MinecraftSteve_64:

(Start: 100 @37679 has 38 MA's), (178, 37502),

Gene: Minerva_58 Start: 45548, Stop: 45796, Start Num: 112

Candidate Starts for Minerva_58:

(Start: 112 @45548 has 172 MA's), (166, 45680),

Gene: MiniLon_31 Start: 28548, Stop: 28814, Start Num: 111

Candidate Starts for MiniLon_31:

(Start: 111 @28548 has 84 MA's), (Start: 119 @28560 has 9 MA's), (Start: 130 @28593 has 7 MA's),

Gene: MiniMac_31 Start: 28549, Stop: 28815, Start Num: 111

Candidate Starts for MiniMac_31:

(Start: 111 @28549 has 84 MA's), (Start: 119 @28561 has 9 MA's), (Start: 130 @28594 has 7 MA's),

Gene: Miniwave_37 Start: 33332, Stop: 33577, Start Num: 112

Candidate Starts for Miniwave_37:

(Start: 112 @33332 has 172 MA's), (Start: 136 @33389 has 3 MA's), (148, 33422), (150, 33428), (173, 33482), (179, 33494),

Gene: Miryou_64 Start: 45175, Stop: 45423, Start Num: 115

Candidate Starts for Miryou_64:

(Start: 115 @45175 has 156 MA's), (138, 45238),

Gene: Misfit_37 Start: 33222, Stop: 33467, Start Num: 112

Candidate Starts for Misfit_37:

(Start: 112 @33222 has 172 MA's), (Start: 136 @33279 has 3 MA's), (148, 33312), (150, 33318), (173, 33372), (179, 33384),

Gene: Miskis_120 Start: 71060, Stop: 71353, Start Num: 99

Candidate Starts for Miskis_120:

(Start: 99 @71060 has 17 MA's), (Start: 128 @71108 has 2 MA's), (175, 71237),

Gene: MissAmericana_7 Start: 5312, Stop: 5025, Start Num: 109

Candidate Starts for MissAmericana_7:

(Start: 109 @5312 has 10 MA's), (168, 5159), (203, 5072),

Gene: MissDaisy_67 Start: 42299, Stop: 42547, Start Num: 116

Candidate Starts for MissDaisy_67:

(30, 42101), (Start: 103 @42284 has 1 MA's), (Start: 116 @42299 has 1 MA's), (148, 42386), (188, 42482), (210, 42536),

Gene: MissSwiss_32 Start: 23153, Stop: 23398, Start Num: 114

Candidate Starts for MissSwiss_32:

(Start: 114 @23153 has 5 MA's), (Start: 131 @23198 has 1 MA's), (176, 23312),

Gene: MissWhite_57 Start: 36925, Stop: 36653, Start Num: 76

Candidate Starts for MissWhite_57:

(Start: 76 @36925 has 228 MA's), (Start: 106 @36916 has 36 MA's), (Start: 119 @36898 has 9 MA's), (178, 36745),

Gene: MkaliMitinis3_32 Start: 28422, Stop: 28688, Start Num: 111

Candidate Starts for MkaliMitinis3_32:

(Start: 111 @28422 has 84 MA's), (Start: 130 @28467 has 7 MA's), (149, 28518), (180, 28584), (210, 28656), (220, 28677),

Gene: Mkhuseli_58 Start: 39493, Stop: 39260, Start Num: 119

Candidate Starts for Mkhuseli_58:

(Start: 75 @39529 has 29 MA's), (Start: 76 @39526 has 228 MA's), (Start: 83 @39514 has 5 MA's), (Start: 119 @39493 has 9 MA's), (137, 39442), (141, 39427), (151, 39406), (163, 39376), (175, 39346),

Gene: Moldemort_38 Start: 32877, Stop: 33122, Start Num: 112

Candidate Starts for Moldemort_38:

(Start: 112 @32877 has 172 MA's), (Start: 136 @32934 has 3 MA's), (148, 32967), (150, 32973), (173, 33027), (179, 33039),

Gene: Mollymur_85 Start: 58104, Stop: 57838, Start Num: 99

Candidate Starts for Mollymur_85:

(Start: 99 @58104 has 17 MA's), (171, 57939), (176, 57924), (200, 57873),

Gene: MontyDev_40 Start: 36039, Stop: 36284, Start Num: 125

Candidate Starts for MontyDev_40:

(Start: 104 @35997 has 11 MA's), (Start: 125 @36039 has 9 MA's), (132, 36060), (140, 36081), (147, 36105), (148, 36108), (185, 36207), (187, 36210), (189, 36213), (206, 36264),

Gene: Moostard_31 Start: 28832, Stop: 29053, Start Num: 130

Candidate Starts for Moostard_31:

(Start: 111 @28787 has 84 MA's), (Start: 119 @28799 has 9 MA's), (Start: 130 @28832 has 7 MA's),

Gene: Mosby_36 Start: 32639, Stop: 32884, Start Num: 112

Candidate Starts for Mosby_36:

(Start: 112 @32639 has 172 MA's), (Start: 136 @32696 has 3 MA's), (148, 32729), (150, 32735), (171, 32783), (173, 32789), (179, 32801),

Gene: Moss_31 Start: 22585, Stop: 22851, Start Num: 100

Candidate Starts for Moss_31:

(Start: 100 @22585 has 38 MA's), (Start: 115 @22600 has 156 MA's), (139, 22663), (185, 22783),

Gene: MrGordo_64 Start: 41635, Stop: 41360, Start Num: 76

Candidate Starts for MrGordo_64:

(Start: 75 @41638 has 29 MA's), (Start: 76 @41635 has 228 MA's), (Start: 83 @41623 has 5 MA's), (Start: 119 @41593 has 9 MA's), (137, 41542), (141, 41527), (151, 41506), (163, 41476), (175, 41446), (210, 41371),

Gene: MrMagoo_44 Start: 33882, Stop: 34133, Start Num: 108

Candidate Starts for MrMagoo_44:

(Start: 108 @33882 has 6 MA's), (170, 34026), (171, 34029), (176, 34044), (206, 34098),

Gene: Mryolo_58 Start: 40629, Stop: 40372, Start Num: 86

Candidate Starts for Mryolo_58:

(Start: 86 @40629 has 10 MA's), (Start: 116 @40611 has 1 MA's), (Start: 119 @40605 has 9 MA's), (137, 40554), (141, 40539), (151, 40518), (163, 40488), (175, 40458),

Gene: MsGreen_31 Start: 28784, Stop: 29050, Start Num: 111

Candidate Starts for MsGreen_31:

(Start: 111 @28784 has 84 MA's), (Start: 119 @28796 has 9 MA's), (Start: 130 @28829 has 7 MA's),

Gene: Mudpuppy_32 Start: 24535, Stop: 24777, Start Num: 96

Candidate Starts for Mudpuppy_32:

(19, 24277), (26, 24313), (Start: 96 @24535 has 5 MA's), (176, 24694),

Gene: Mufasa_69 Start: 45652, Stop: 45897, Start Num: 115

Candidate Starts for Mufasa_69:

(63, 45595), (66, 45601), (Start: 115 @45652 has 156 MA's), (148, 45742), (176, 45811), (194, 45835), (214, 45889),

Gene: Mulciber_57 Start: 37323, Stop: 37051, Start Num: 76

Candidate Starts for Mulciber_57:

(Start: 76 @37323 has 228 MA's), (Start: 106 @37314 has 36 MA's), (178, 37143),

Gene: Mule_59 Start: 40467, Stop: 40201, Start Num: 76

Candidate Starts for Mule_59:

(Start: 75 @40470 has 29 MA's), (Start: 76 @40467 has 228 MA's), (Start: 83 @40455 has 5 MA's), (Start: 119 @40434 has 9 MA's), (137, 40383), (141, 40368), (151, 40347), (163, 40317), (175, 40287),

Gene: Munch_58 Start: 37786, Stop: 37514, Start Num: 76

Candidate Starts for Munch_58:

(Start: 76 @37786 has 228 MA's), (Start: 106 @37777 has 36 MA's), (178, 37606),

Gene: Murica_36 Start: 33119, Stop: 33364, Start Num: 112

Candidate Starts for Murica_36:

(Start: 112 @33119 has 172 MA's), (Start: 136 @33176 has 3 MA's), (148, 33209), (150, 33215), (173, 33269), (179, 33281),

Gene: Murphy_38 Start: 33114, Stop: 33359, Start Num: 112

Candidate Starts for Murphy_38:

(Start: 112 @33114 has 172 MA's), (Start: 136 @33171 has 3 MA's), (148, 33204), (150, 33210), (173, 33264), (179, 33276),

Gene: Murucutumbu_68 Start: 44888, Stop: 45130, Start Num: 115

Candidate Starts for Murucutumbu_68:

(Start: 115 @44888 has 156 MA's), (148, 44978), (194, 45074), (203, 45098),

Gene: Mynx_68 Start: 44234, Stop: 44476, Start Num: 115

Candidate Starts for Mynx_68:

(Start: 115 @44234 has 156 MA's), (148, 44324), (194, 44420), (203, 44444),

Gene: Myrale_37 Start: 32998, Stop: 33243, Start Num: 112

Candidate Starts for Myrale_37:

(Start: 112 @32998 has 172 MA's), (Start: 136 @33055 has 3 MA's), (148, 33088), (150, 33094), (173, 33148), (179, 33160),

Gene: Myrna_77 Start: 30774, Stop: 31019, Start Num: 112

Candidate Starts for Myrna_77:

(Start: 112 @30774 has 172 MA's), (163, 30900),

Gene: Mysterium_31 Start: 22590, Stop: 22856, Start Num: 100

Candidate Starts for Mysterium_31:

(Start: 100 @22590 has 38 MA's), (Start: 115 @22605 has 156 MA's), (139, 22668), (185, 22788),

Gene: Myxus_58 Start: 38225, Stop: 37953, Start Num: 76

Candidate Starts for Myxus_58:

(Start: 76 @38225 has 228 MA's), (Start: 106 @38216 has 36 MA's), (Start: 134 @38159 has 1 MA's), (147, 38123), (163, 38084), (173, 38057), (178, 38045),

Gene: NEHalo_59 Start: 41047, Stop: 40781, Start Num: 76

Candidate Starts for NEHalo_59:

(Start: 75 @41050 has 29 MA's), (Start: 76 @41047 has 228 MA's), (Start: 83 @41035 has 5 MA's), (Start: 119 @41014 has 9 MA's), (137, 40963), (141, 40948), (151, 40927), (163, 40897), (175, 40867), (210, 40792),

Gene: Naji_60 Start: 38269, Stop: 37997, Start Num: 76

Candidate Starts for Naji_60:

(Start: 76 @38269 has 228 MA's), (Start: 106 @38260 has 36 MA's), (147, 38167), (178, 38089), (203, 38035),

Gene: Nala_37 Start: 33153, Stop: 33398, Start Num: 112

Candidate Starts for Nala_37:

(Start: 112 @33153 has 172 MA's), (Start: 136 @33210 has 3 MA's), (148, 33243), (150, 33249), (173, 33303), (179, 33315),

Gene: Nanosmite_44 Start: 33715, Stop: 33966, Start Num: 108

Candidate Starts for Nanosmite_44:

(Start: 108 @33715 has 6 MA's), (137, 33778), (148, 33808), (170, 33859),

Gene: Nebulosus_62 Start: 37439, Stop: 37170, Start Num: 100
Candidate Starts for Nebulosus_62:
(7, 37883), (11, 37859), (14, 37781), (Start: 100 @37439 has 38 MA's), (178, 37262), (197, 37223),

Gene: Nedarya_60 Start: 37419, Stop: 37150, Start Num: 99
Candidate Starts for Nedarya_60:
(11, 37842), (Start: 99 @37419 has 17 MA's), (Start: 106 @37410 has 36 MA's), (Start: 119 @37392 has 9 MA's), (178, 37239),

Gene: Neighly_62 Start: 41954, Stop: 42202, Start Num: 115
Candidate Starts for Neighly_62:
(Start: 115 @41954 has 156 MA's), (141, 42029), (172, 42101),

Gene: Nekros_50 Start: 43030, Stop: 43269, Start Num: 119
Candidate Starts for Nekros_50:
(Start: 119 @43030 has 9 MA's), (Start: 129 @43057 has 1 MA's), (148, 43111), (149, 43114), (175, 43171), (194, 43207),

Gene: NelitzaMV_37 Start: 33203, Stop: 33448, Start Num: 112
Candidate Starts for NelitzaMV_37:
(Start: 112 @33203 has 172 MA's), (Start: 136 @33260 has 3 MA's), (148, 33293), (150, 33299), (173, 33353), (179, 33365),

Gene: Nенаe_55 Start: 36175, Stop: 36423, Start Num: 106
Candidate Starts for Nенаe_55:
(Start: 106 @36175 has 36 MA's), (Start: 116 @36187 has 1 MA's), (175, 36337), (176, 36340), (210, 36415),

Gene: Nerujay_64 Start: 42393, Stop: 42118, Start Num: 76
Candidate Starts for Nerujay_64:
(Start: 75 @42396 has 29 MA's), (Start: 76 @42393 has 228 MA's), (Start: 83 @42381 has 5 MA's), (Start: 119 @42351 has 9 MA's), (137, 42300), (141, 42285), (151, 42264), (163, 42234), (175, 42204),

Gene: Netyap_32 Start: 28422, Stop: 28688, Start Num: 111
Candidate Starts for Netyap_32:
(Start: 111 @28422 has 84 MA's), (Start: 130 @28467 has 7 MA's), (149, 28518), (180, 28584), (210, 28656), (220, 28677),

Gene: Neuvillette_3 Start: 977, Stop: 1246, Start Num: 105
Candidate Starts for Neuvillette_3:
(105, 977),

Gene: Nibb_69 Start: 43994, Stop: 44221, Start Num: 115
Candidate Starts for Nibb_69:
(Start: 115 @43994 has 156 MA's), (172, 44129), (194, 44165),

Gene: Nicholas_31 Start: 28784, Stop: 29050, Start Num: 111
Candidate Starts for Nicholas_31:
(Start: 111 @28784 has 84 MA's), (Start: 119 @28796 has 9 MA's), (Start: 130 @28829 has 7 MA's),

Gene: Nicholasp3_32 Start: 28424, Stop: 28690, Start Num: 111
Candidate Starts for Nicholasp3_32:

(Start: 111 @28424 has 84 MA's), (Start: 130 @28469 has 7 MA's), (149, 28520), (180, 28586), (210, 28658), (220, 28679),

Gene: NihilNomen_51 Start: 44218, Stop: 44466, Start Num: 112

Candidate Starts for NihilNomen_51:

(Start: 112 @44218 has 172 MA's), (166, 44350),

Gene: Nikao_58 Start: 43554, Stop: 43799, Start Num: 115

Candidate Starts for Nikao_58:

(60, 43482), (Start: 115 @43554 has 156 MA's), (157, 43659), (172, 43701), (194, 43737),

Gene: Niklas_69 Start: 44184, Stop: 44423, Start Num: 113

Candidate Starts for Niklas_69:

(Start: 113 @44184 has 5 MA's), (148, 44274), (163, 44310), (171, 44328), (203, 44391),

Gene: Nilo_41 Start: 36395, Stop: 36640, Start Num: 125

Candidate Starts for Nilo_41:

(Start: 104 @36353 has 11 MA's), (Start: 125 @36395 has 9 MA's), (132, 36416), (140, 36437), (148, 36464), (185, 36563), (187, 36566), (189, 36569), (206, 36620),

Gene: Nimrod_37 Start: 33377, Stop: 33622, Start Num: 112

Candidate Starts for Nimrod_37:

(Start: 112 @33377 has 172 MA's), (Start: 136 @33434 has 3 MA's), (148, 33467), (150, 33473), (173, 33527), (179, 33539),

Gene: Niobe_34 Start: 26608, Stop: 26865, Start Num: 111

Candidate Starts for Niobe_34:

(19, 26371), (20, 26380), (Start: 111 @26608 has 84 MA's), (Start: 131 @26656 has 1 MA's), (178, 26773),

Gene: Nitro_33 Start: 25923, Stop: 26186, Start Num: 95

Candidate Starts for Nitro_33:

(Start: 95 @25923 has 26 MA's), (176, 26103),

Gene: Niza_64 Start: 43063, Stop: 42797, Start Num: 76

Candidate Starts for Niza_64:

(Start: 75 @43066 has 29 MA's), (Start: 76 @43063 has 228 MA's), (Start: 83 @43051 has 5 MA's), (Start: 119 @43030 has 9 MA's), (137, 42979), (141, 42964), (151, 42943), (163, 42913), (175, 42883), (210, 42808),

Gene: NoSleep_38 Start: 32874, Stop: 33119, Start Num: 112

Candidate Starts for NoSleep_38:

(Start: 112 @32874 has 172 MA's), (Start: 136 @32931 has 3 MA's), (148, 32964), (150, 32970), (173, 33024), (179, 33036),

Gene: Norvs_124 Start: 71047, Stop: 71340, Start Num: 99

Candidate Starts for Norvs_124:

(Start: 99 @71047 has 17 MA's), (Start: 128 @71095 has 2 MA's), (175, 71224),

Gene: Norz_62 Start: 43480, Stop: 43214, Start Num: 76

Candidate Starts for Norz_62:

(Start: 75 @43483 has 29 MA's), (Start: 76 @43480 has 228 MA's), (Start: 83 @43468 has 5 MA's), (Start: 119 @43447 has 9 MA's), (137, 43396), (141, 43381), (151, 43360), (163, 43330), (175, 43300),

Gene: NothingSpecial_56 Start: 38807, Stop: 38535, Start Num: 76
Candidate Starts for NothingSpecial_56:
(Start: 76 @38807 has 228 MA's), (Start: 116 @38786 has 1 MA's), (Start: 119 @38780 has 9 MA's),
(132, 38744), (148, 38702), (152, 38693), (166, 38657), (178, 38627), (182, 38618), (183, 38615),

Gene: November_66 Start: 43864, Stop: 44103, Start Num: 115
Candidate Starts for November_66:
(68, 43798), (Start: 115 @43864 has 156 MA's), (Start: 119 @43873 has 9 MA's), (194, 44050),

Gene: Nutello_55 Start: 40941, Stop: 41186, Start Num: 115
Candidate Starts for Nutello_55:
(60, 40869), (Start: 115 @40941 has 156 MA's), (157, 41046), (172, 41088), (194, 41124),

Gene: ObiToo_36 Start: 25276, Stop: 25518, Start Num: 96
Candidate Starts for ObiToo_36:
(19, 25018), (26, 25054), (Start: 96 @25276 has 5 MA's),

Gene: Odette_52 Start: 43439, Stop: 43684, Start Num: 112
Candidate Starts for Odette_52:
(Start: 112 @43439 has 172 MA's), (137, 43502), (148, 43532), (149, 43535), (176, 43595), (179,
43598), (180, 43601),

Gene: Odin_56 Start: 37328, Stop: 37056, Start Num: 76
Candidate Starts for Odin_56:
(Start: 76 @37328 has 228 MA's), (Start: 119 @37301 has 9 MA's), (166, 37178), (171, 37166),

Gene: OhShagHennessy_30 Start: 27655, Stop: 27924, Start Num: 111
Candidate Starts for OhShagHennessy_30:
(Start: 111 @27655 has 84 MA's), (Start: 130 @27700 has 7 MA's), (175, 27808),

Gene: Ohno789_62 Start: 41791, Stop: 41525, Start Num: 76
Candidate Starts for Ohno789_62:
(Start: 76 @41791 has 228 MA's), (Start: 83 @41779 has 5 MA's), (Start: 116 @41764 has 1 MA's),
(Start: 119 @41758 has 9 MA's), (137, 41707), (141, 41692), (151, 41671), (163, 41641), (175, 41611),
(210, 41536),

Gene: OkiRoe_61 Start: 42847, Stop: 43095, Start Num: 115
Candidate Starts for OkiRoe_61:
(Start: 115 @42847 has 156 MA's), (138, 42910),

Gene: Omega_56 Start: 45262, Stop: 45501, Start Num: 119
Candidate Starts for Omega_56:
(Start: 119 @45262 has 9 MA's), (Start: 129 @45289 has 1 MA's), (148, 45343), (149, 45346), (175,
45403), (194, 45439),

Gene: Omnicron_64 Start: 42953, Stop: 43201, Start Num: 115
Candidate Starts for Omnicron_64:
(Start: 115 @42953 has 156 MA's), (Start: 131 @42998 has 1 MA's),

Gene: OneUp_110 Start: 69312, Stop: 69614, Start Num: 92
Candidate Starts for OneUp_110:
(Start: 92 @69312 has 2 MA's), (Start: 101 @69324 has 7 MA's), (173, 69492),

Gene: Onglai_56 Start: 36566, Stop: 36294, Start Num: 76

Candidate Starts for Onglai_56:

(Start: 76 @36566 has 228 MA's), (Start: 106 @36557 has 36 MA's), (Start: 134 @36500 has 1 MA's), (147, 36464), (163, 36425), (173, 36398), (178, 36386),

Gene: Onyinye_53 Start: 39601, Stop: 39356, Start Num: 112

Candidate Starts for Onyinye_53:

(Start: 112 @39601 has 172 MA's), (137, 39541), (147, 39514), (164, 39475), (173, 39451), (175, 39445), (179, 39439), (190, 39415),

Gene: Oofda_65 Start: 37642, Stop: 37373, Start Num: 100

Candidate Starts for Oofda_65:

(Start: 100 @37642 has 38 MA's), (178, 37465),

Gene: Optimus_57 Start: 45133, Stop: 45381, Start Num: 112

Candidate Starts for Optimus_57:

(Start: 112 @45133 has 172 MA's), (166, 45265),

Gene: Orange_57 Start: 37335, Stop: 37063, Start Num: 76

Candidate Starts for Orange_57:

(Start: 76 @37335 has 228 MA's), (Start: 106 @37326 has 36 MA's), (178, 37155),

Gene: OrionPax_38 Start: 32880, Stop: 33125, Start Num: 112

Candidate Starts for OrionPax_38:

(Start: 112 @32880 has 172 MA's), (Start: 136 @32937 has 3 MA's), (148, 32970), (150, 32976), (173, 33030), (179, 33042),

Gene: Oscar_70 Start: 44198, Stop: 44425, Start Num: 115

Candidate Starts for Oscar_70:

(Start: 115 @44198 has 156 MA's), (159, 44315), (172, 44333),

Gene: P1201_68 Start: 51515, Stop: 51231, Start Num: 104

Candidate Starts for P1201_68:

(Start: 104 @51515 has 11 MA's), (132, 51455), (204, 51260),

Gene: PSullivan_60 Start: 39680, Stop: 39405, Start Num: 76

Candidate Starts for PSullivan_60:

(Start: 75 @39683 has 29 MA's), (Start: 76 @39680 has 228 MA's), (Start: 83 @39668 has 5 MA's), (Start: 119 @39638 has 9 MA's), (137, 39587), (141, 39572), (151, 39551), (163, 39521), (175, 39491),

Gene: PYPDinur_30 Start: 27624, Stop: 27842, Start Num: 130

Candidate Starts for PYPDinur_30:

(Start: 111 @27579 has 84 MA's), (Start: 130 @27624 has 7 MA's), (179, 27738),

Gene: PacerPaul_61 Start: 41105, Stop: 40827, Start Num: 75

Candidate Starts for PacerPaul_61:

(Start: 75 @41105 has 29 MA's), (Start: 76 @41102 has 228 MA's), (Start: 83 @41090 has 5 MA's), (Start: 119 @41060 has 9 MA's), (137, 41009), (141, 40994), (151, 40973), (163, 40943), (175, 40913),

Gene: PackMan_57 Start: 38225, Stop: 37953, Start Num: 76

Candidate Starts for PackMan_57:

(Start: 76 @38225 has 228 MA's), (Start: 106 @38216 has 36 MA's), (Start: 134 @38159 has 1 MA's), (147, 38123), (163, 38084), (173, 38057), (178, 38045),

Gene: Padfoot_66 Start: 43819, Stop: 44061, Start Num: 115

Candidate Starts for Padfoot_66:

(Start: 115 @43819 has 156 MA's), (148, 43909), (194, 44005), (203, 44029),

Gene: Padpat_69 Start: 43939, Stop: 44181, Start Num: 115

Candidate Starts for Padpat_69:

(Start: 115 @43939 has 156 MA's), (148, 44029), (194, 44125), (203, 44149),

Gene: PainterBoy_59 Start: 38298, Stop: 38026, Start Num: 76

Candidate Starts for PainterBoy_59:

(47, 38367), (Start: 76 @38298 has 228 MA's), (Start: 106 @38289 has 36 MA's), (147, 38196), (166, 38148), (173, 38130), (178, 38118),

Gene: Palpatine_37 Start: 33149, Stop: 33394, Start Num: 112

Candidate Starts for Palpatine_37:

(Start: 112 @33149 has 172 MA's), (Start: 136 @33206 has 3 MA's), (148, 33239), (150, 33245), (173, 33299), (179, 33311),

Gene: Panchaali_104 Start: 83918, Stop: 84178, Start Num: 112

Candidate Starts for Panchaali_104:

(Start: 112 @83918 has 172 MA's), (203, 84137),

Gene: Panchino_48 Start: 35810, Stop: 36058, Start Num: 106

Candidate Starts for Panchino_48:

(33, 35636), (62, 35732), (Start: 106 @35810 has 36 MA's), (Start: 116 @35822 has 1 MA's), (148, 35906), (175, 35972), (176, 35975),

Gene: Paola_60 Start: 42432, Stop: 42680, Start Num: 115

Candidate Starts for Paola_60:

(Start: 115 @42432 has 156 MA's), (141, 42507), (172, 42579),

Gene: Paperbeatsrock_39 Start: 34115, Stop: 34360, Start Num: 112

Candidate Starts for Paperbeatsrock_39:

(Start: 112 @34115 has 172 MA's), (Start: 136 @34172 has 3 MA's), (148, 34205), (150, 34211), (173, 34265), (179, 34277),

Gene: Papez_64 Start: 42624, Stop: 42355, Start Num: 75

Candidate Starts for Papez_64:

(Start: 75 @42624 has 29 MA's), (Start: 76 @42621 has 228 MA's), (Start: 83 @42609 has 5 MA's), (Start: 119 @42588 has 9 MA's), (137, 42537), (141, 42522), (151, 42501), (163, 42471), (175, 42441),

Gene: Papyrus_40 Start: 36054, Stop: 36299, Start Num: 125

Candidate Starts for Papyrus_40:

(Start: 104 @36012 has 11 MA's), (Start: 125 @36054 has 9 MA's), (132, 36075), (140, 36096), (147, 36120), (148, 36123), (185, 36222), (187, 36225), (189, 36228),

Gene: Paraselene_60 Start: 41399, Stop: 41133, Start Num: 76

Candidate Starts for Paraselene_60:

(Start: 75 @41402 has 29 MA's), (Start: 76 @41399 has 228 MA's), (Start: 83 @41387 has 5 MA's), (Start: 119 @41366 has 9 MA's), (137, 41315), (141, 41300), (151, 41279), (163, 41249), (175, 41219),

(210, 41144),

Gene: Pari_65 Start: 40809, Stop: 40543, Start Num: 76

Candidate Starts for Pari_65:

(Start: 75 @40812 has 29 MA's), (Start: 76 @40809 has 228 MA's), (Start: 83 @40797 has 5 MA's), (Start: 116 @40782 has 1 MA's), (Start: 119 @40776 has 9 MA's), (137, 40725), (141, 40710), (151, 40689), (163, 40659), (175, 40629), (210, 40554),

Gene: Parmesanjohn_50 Start: 34925, Stop: 35173, Start Num: 106

Candidate Starts for Parmesanjohn_50:

(12, 34511), (27, 34718), (33, 34751), (62, 34847), (Start: 106 @34925 has 36 MA's), (Start: 116 @34937 has 1 MA's), (Start: 119 @34943 has 9 MA's), (148, 35021), (175, 35087), (176, 35090),

Gene: PascalRango_60 Start: 40921, Stop: 40646, Start Num: 76

Candidate Starts for PascalRango_60:

(Start: 75 @40924 has 29 MA's), (Start: 76 @40921 has 228 MA's), (Start: 83 @40909 has 5 MA's), (Start: 119 @40879 has 9 MA's), (137, 40828), (141, 40813), (151, 40792), (163, 40762), (175, 40732),

Gene: Pat3_36 Start: 31861, Stop: 32106, Start Num: 112

Candidate Starts for Pat3_36:

(Start: 112 @31861 has 172 MA's), (Start: 136 @31918 has 3 MA's), (148, 31951), (150, 31957), (171, 32005), (173, 32011), (179, 32023),

Gene: Patbob_109 Start: 87222, Stop: 87470, Start Num: 112

Candidate Starts for Patbob_109:

(Start: 112 @87222 has 172 MA's), (Start: 116 @87228 has 1 MA's), (Start: 119 @87234 has 9 MA's),

Gene: PattyP_64 Start: 42323, Stop: 42045, Start Num: 75

Candidate Starts for PattyP_64:

(Start: 75 @42323 has 29 MA's), (Start: 76 @42320 has 228 MA's), (Start: 83 @42308 has 5 MA's), (Start: 119 @42278 has 9 MA's), (137, 42227), (141, 42212), (151, 42191), (163, 42161), (175, 42131),

Gene: PauloDiaboli_20 Start: 7036, Stop: 7266, Start Num: 127

Candidate Starts for PauloDiaboli_20:

(Start: 127 @7036 has 6 MA's), (156, 7108), (171, 7150), (204, 7237), (208, 7255),

Gene: PauloDiaboli_375 Start: 183665, Stop: 183895, Start Num: 127

Candidate Starts for PauloDiaboli_375:

(Start: 127 @183665 has 6 MA's), (156, 183737), (171, 183779), (204, 183866), (208, 183884),

Gene: Payneful_60 Start: 40589, Stop: 40314, Start Num: 76

Candidate Starts for Payneful_60:

(Start: 75 @40592 has 29 MA's), (Start: 76 @40589 has 228 MA's), (Start: 83 @40577 has 5 MA's), (Start: 119 @40547 has 9 MA's), (137, 40496), (141, 40481), (151, 40460), (159, 40439), (163, 40430), (175, 40400),

Gene: Peanam_69 Start: 44141, Stop: 44380, Start Num: 113

Candidate Starts for Peanam_69:

(Start: 113 @44141 has 5 MA's), (148, 44231), (163, 44267), (171, 44285), (203, 44348),

Gene: Peel_66 Start: 43624, Stop: 43866, Start Num: 115

Candidate Starts for Peel_66:

(Start: 115 @43624 has 156 MA's), (148, 43714), (194, 43810), (203, 43834),

Gene: PegLeg_39 Start: 32761, Stop: 33039, Start Num: 98

Candidate Starts for PegLeg_39:

(44, 32650), (Start: 98 @32761 has 11 MA's), (Start: 112 @32779 has 172 MA's), (137, 32842), (172, 32929), (175, 32938), (179, 32947),

Gene: Pelly_63 Start: 43135, Stop: 42869, Start Num: 76

Candidate Starts for Pelly_63:

(Start: 75 @43138 has 29 MA's), (Start: 76 @43135 has 228 MA's), (Start: 83 @43123 has 5 MA's), (Start: 119 @43102 has 9 MA's), (137, 43051), (141, 43036), (151, 43015), (163, 42985), (175, 42955), (210, 42880),

Gene: Pepe_60 Start: 40251, Stop: 39985, Start Num: 76

Candidate Starts for Pepe_60:

(Start: 75 @40254 has 29 MA's), (Start: 76 @40251 has 228 MA's), (Start: 83 @40239 has 5 MA's), (Start: 116 @40224 has 1 MA's), (Start: 119 @40218 has 9 MA's), (137, 40167), (141, 40152), (163, 40101), (175, 40071),

Gene: Percival_43 Start: 28266, Stop: 28523, Start Num: 97

Candidate Starts for Percival_43:

(38, 28155), (39, 28158), (Start: 97 @28266 has 10 MA's), (Start: 131 @28320 has 1 MA's), (179, 28446), (195, 28458), (200, 28470),

Gene: Perseus_61 Start: 42872, Stop: 42606, Start Num: 76

Candidate Starts for Perseus_61:

(Start: 75 @42875 has 29 MA's), (Start: 76 @42872 has 228 MA's), (Start: 83 @42860 has 5 MA's), (Start: 119 @42839 has 9 MA's), (137, 42788), (141, 42773), (151, 42752), (163, 42722), (175, 42692),

Gene: Petersenfast_56 Start: 37334, Stop: 37062, Start Num: 76

Candidate Starts for Petersenfast_56:

(Start: 76 @37334 has 228 MA's), (Start: 106 @37325 has 36 MA's), (178, 37154),

Gene: Peterson_66 Start: 43632, Stop: 43366, Start Num: 76

Candidate Starts for Peterson_66:

(Start: 76 @43632 has 228 MA's), (Start: 83 @43620 has 5 MA's), (Start: 119 @43599 has 9 MA's), (137, 43548), (141, 43533), (151, 43512), (163, 43482), (175, 43452), (210, 43377),

Gene: PeteyPab_51 Start: 43958, Stop: 43662, Start Num: 104

Candidate Starts for PeteyPab_51:

(Start: 104 @43958 has 11 MA's), (132, 43895), (171, 43781), (175, 43769), (191, 43736), (215, 43667),

Gene: Petra64142_39 Start: 33595, Stop: 33840, Start Num: 112

Candidate Starts for Petra64142_39:

(Start: 112 @33595 has 172 MA's), (Start: 136 @33652 has 3 MA's), (148, 33685), (150, 33691), (173, 33745), (179, 33757),

Gene: Petruccio_62 Start: 40710, Stop: 40435, Start Num: 76

Candidate Starts for Petruccio_62:

(Start: 75 @40713 has 29 MA's), (Start: 76 @40710 has 228 MA's), (Start: 83 @40698 has 5 MA's), (Start: 119 @40668 has 9 MA's), (137, 40617), (141, 40602), (151, 40581), (163, 40551), (175, 40521), (210, 40446),

Gene: Ph8s_59 Start: 37685, Stop: 37413, Start Num: 76

Candidate Starts for Ph8s_59:

(Start: 76 @37685 has 228 MA's), (132, 37622), (150, 37574), (166, 37535), (171, 37523), (178, 37505),

Gene: Phabba_83 Start: 30849, Stop: 31100, Start Num: 112

Candidate Starts for Phabba_83:

(Start: 112 @30849 has 172 MA's), (Start: 131 @30894 has 1 MA's), (163, 30975),

Gene: Phaeder_58 Start: 38225, Stop: 37953, Start Num: 76

Candidate Starts for Phaeder_58:

(Start: 76 @38225 has 228 MA's), (Start: 106 @38216 has 36 MA's), (Start: 134 @38159 has 1 MA's), (147, 38123), (163, 38084), (173, 38057), (178, 38045),

Gene: Phaja_37 Start: 33368, Stop: 33556, Start Num: 136

Candidate Starts for Phaja_37:

(Start: 112 @33311 has 172 MA's), (Start: 136 @33368 has 3 MA's), (148, 33401), (150, 33407), (173, 33461), (179, 33473),

Gene: PhancyPhin_55 Start: 36169, Stop: 36417, Start Num: 106

Candidate Starts for PhancyPhin_55:

(Start: 106 @36169 has 36 MA's), (Start: 116 @36181 has 1 MA's), (175, 36331), (176, 36334), (210, 36409),

Gene: Pharaoh_53 Start: 38271, Stop: 37999, Start Num: 76

Candidate Starts for Pharaoh_53:

(23, 38472), (Start: 76 @38271 has 228 MA's), (Start: 106 @38262 has 36 MA's), (Start: 116 @38250 has 1 MA's), (132, 38208), (147, 38169), (166, 38121), (173, 38103), (178, 38091), (182, 38082),

Gene: Pharb_67 Start: 43448, Stop: 43690, Start Num: 111

Candidate Starts for Pharb_67:

(Start: 111 @43448 has 84 MA's), (Start: 128 @43481 has 2 MA's), (148, 43538), (176, 43610),

Gene: Pharsalus_38 Start: 33915, Stop: 34160, Start Num: 112

Candidate Starts for Pharsalus_38:

(Start: 112 @33915 has 172 MA's), (Start: 136 @33972 has 3 MA's), (148, 34005), (150, 34011), (173, 34065), (179, 34077),

Gene: PhatBacter_37 Start: 33163, Stop: 33408, Start Num: 112

Candidate Starts for PhatBacter_37:

(Start: 112 @33163 has 172 MA's), (Start: 136 @33220 has 3 MA's), (148, 33253), (150, 33259), (173, 33313), (179, 33325),

Gene: Phaux_36 Start: 33161, Stop: 33406, Start Num: 112

Candidate Starts for Phaux_36:

(Start: 112 @33161 has 172 MA's), (Start: 136 @33218 has 3 MA's), (148, 33251), (150, 33257), (173, 33311), (179, 33323),

Gene: PhelpsODU_68 Start: 43391, Stop: 43630, Start Num: 115

Candidate Starts for PhelpsODU_68:

(Start: 115 @43391 has 156 MA's), (Start: 119 @43400 has 9 MA's), (148, 43481), (176, 43550),

Gene: PherrisBueller_61 Start: 39865, Stop: 39599, Start Num: 76

Candidate Starts for PherrisBueller_61:

(Start: 76 @39865 has 228 MA's), (Start: 83 @39853 has 5 MA's), (Start: 116 @39838 has 1 MA's),
(Start: 119 @39832 has 9 MA's), (137, 39781), (141, 39766), (151, 39745), (163, 39715), (175, 39685),
(210, 39610),

Gene: PhineBark_61 Start: 41556, Stop: 41281, Start Num: 76

Candidate Starts for PhineBark_61:

(Start: 75 @41559 has 29 MA's), (Start: 76 @41556 has 228 MA's), (Start: 83 @41544 has 5 MA's),
(Start: 119 @41514 has 9 MA's), (141, 41448), (151, 41427), (163, 41397), (175, 41367),

Gene: PhinkBoden_125 Start: 71915, Stop: 72205, Start Num: 101

Candidate Starts for PhinkBoden_125:

(49, 71807), (53, 71822), (73, 71867), (Start: 101 @71915 has 7 MA's), (Start: 128 @71960 has 2
MA's), (175, 72089),

Gene: Phives_35 Start: 26643, Stop: 26906, Start Num: 95

Candidate Starts for Phives_35:

(19, 26406), (21, 26415), (Start: 95 @26643 has 26 MA's),

Gene: Phlei_47 Start: 37907, Stop: 37635, Start Num: 76

Candidate Starts for Phlei_47:

(Start: 76 @37907 has 228 MA's), (Start: 106 @37898 has 36 MA's), (150, 37796), (166, 37757), (168,
37754), (203, 37673),

Gene: Phlippers_58 Start: 41400, Stop: 41134, Start Num: 76

Candidate Starts for Phlippers_58:

(Start: 75 @41403 has 29 MA's), (Start: 76 @41400 has 228 MA's), (Start: 83 @41388 has 5 MA's),
(Start: 119 @41367 has 9 MA's), (137, 41316), (141, 41301), (151, 41280), (163, 41250), (175, 41220),

Gene: Phloss_48 Start: 34332, Stop: 34580, Start Num: 106

Candidate Starts for Phloss_48:

(12, 33918), (27, 34125), (33, 34158), (62, 34254), (Start: 106 @34332 has 36 MA's), (Start: 116
@34344 has 1 MA's), (Start: 119 @34350 has 9 MA's), (148, 34428), (175, 34494), (176, 34497),

Gene: Phoebus_51 Start: 44419, Stop: 44667, Start Num: 112

Candidate Starts for Phoebus_51:

(Start: 112 @44419 has 172 MA's), (166, 44551),

Gene: Phonnegut_58 Start: 38322, Stop: 38050, Start Num: 76

Candidate Starts for Phonnegut_58:

(Start: 76 @38322 has 228 MA's), (Start: 106 @38313 has 36 MA's), (Start: 134 @38256 has 1 MA's),
(147, 38220), (163, 38181), (173, 38154), (178, 38142),

Gene: Phrampa_103 Start: 88629, Stop: 88877, Start Num: 112

Candidate Starts for Phrampa_103:

(Start: 112 @88629 has 172 MA's), (Start: 116 @88635 has 1 MA's), (Start: 119 @88641 has 9 MA's),
(171, 88773),

Gene: Phrank_70 Start: 43454, Stop: 43693, Start Num: 115

Candidate Starts for Phrank_70:

(63, 43370), (Start: 115 @43454 has 156 MA's), (Start: 119 @43463 has 9 MA's), (148, 43544), (171,
43598),

Gene: Phrann_52 Start: 36452, Stop: 36700, Start Num: 106

Candidate Starts for Phrann_52:

(Start: 106 @36452 has 36 MA's), (Start: 116 @36464 has 1 MA's), (175, 36614), (176, 36617), (210, 36692),

Gene: PhrostyMug_62 Start: 42644, Stop: 42375, Start Num: 75

Candidate Starts for PhrostyMug_62:

(Start: 75 @42644 has 29 MA's), (Start: 76 @42641 has 228 MA's), (Start: 83 @42629 has 5 MA's), (Start: 119 @42608 has 9 MA's), (137, 42557), (141, 42542), (151, 42521), (163, 42491), (175, 42461),

Gene: Phrux_37 Start: 32876, Stop: 33121, Start Num: 112

Candidate Starts for Phrux_37:

(Start: 112 @32876 has 172 MA's), (Start: 136 @32933 has 3 MA's), (148, 32966), (150, 32972), (173, 33026), (179, 33038),

Gene: Piatt_66 Start: 43819, Stop: 44061, Start Num: 115

Candidate Starts for Piatt_66:

(Start: 115 @43819 has 156 MA's), (148, 43909), (194, 44005), (203, 44029),

Gene: PinkPlastic_62 Start: 41194, Stop: 40919, Start Num: 76

Candidate Starts for PinkPlastic_62:

(Start: 75 @41197 has 29 MA's), (Start: 76 @41194 has 228 MA's), (Start: 83 @41182 has 5 MA's), (Start: 119 @41152 has 9 MA's), (137, 41101), (141, 41086), (151, 41065), (163, 41035), (175, 41005), (210, 40930),

Gene: Pinto_62 Start: 40971, Stop: 40705, Start Num: 74

Candidate Starts for Pinto_62:

(Start: 74 @40971 has 5 MA's), (Start: 83 @40959 has 5 MA's), (Start: 119 @40938 has 9 MA's), (137, 40887), (141, 40872), (151, 40851), (163, 40821), (175, 40791), (210, 40716),

Gene: Pioneer_58 Start: 38322, Stop: 38050, Start Num: 76

Candidate Starts for Pioneer_58:

(Start: 76 @38322 has 228 MA's), (Start: 106 @38313 has 36 MA's), (Start: 134 @38256 has 1 MA's), (147, 38220), (163, 38181), (173, 38154), (178, 38142),

Gene: Pippin_62 Start: 40576, Stop: 40307, Start Num: 75

Candidate Starts for Pippin_62:

(Start: 75 @40576 has 29 MA's), (Start: 76 @40573 has 228 MA's), (Start: 83 @40561 has 5 MA's), (Start: 119 @40540 has 9 MA's), (137, 40489), (141, 40474), (151, 40453), (163, 40423), (175, 40393),

Gene: Pippin15_52 Start: 34099, Stop: 34347, Start Num: 109

Candidate Starts for Pippin15_52:

(Start: 109 @34099 has 10 MA's), (Start: 119 @34114 has 9 MA's), (150, 34198), (175, 34258), (176, 34261), (179, 34267), (212, 34336),

Gene: Pipsqueaks_50 Start: 34902, Stop: 35150, Start Num: 106

Candidate Starts for Pipsqueaks_50:

(12, 34488), (27, 34695), (33, 34728), (62, 34824), (Start: 106 @34902 has 36 MA's), (Start: 116 @34914 has 1 MA's), (Start: 119 @34920 has 9 MA's), (148, 34998), (175, 35064), (176, 35067),

Gene: Pita2_63 Start: 41180, Stop: 40902, Start Num: 75

Candidate Starts for Pita2_63:

(Start: 75 @41180 has 29 MA's), (Start: 76 @41177 has 228 MA's), (Start: 83 @41165 has 5 MA's),
(Start: 119 @41135 has 9 MA's), (137, 41084), (141, 41069), (151, 41048), (163, 41018), (175, 40988),

Gene: Pitbull_58 Start: 33370, Stop: 33633, Start Num: 106

Candidate Starts for Pitbull_58:

(65, 33298), (Start: 106 @33370 has 36 MA's), (173, 33526), (175, 33532), (179, 33541), (203, 33598),

Gene: Pixelle_33 Start: 26398, Stop: 26640, Start Num: 96

Candidate Starts for Pixelle_33:

(Start: 96 @26398 has 5 MA's),

Gene: Pixie_67 Start: 43623, Stop: 43865, Start Num: 111

Candidate Starts for Pixie_67:

(Start: 111 @43623 has 84 MA's), (Start: 128 @43656 has 2 MA's), (148, 43713), (159, 43740), (172, 43773), (176, 43785),

Gene: Pokerus_66 Start: 43964, Stop: 44206, Start Num: 115

Candidate Starts for Pokerus_66:

(Start: 115 @43964 has 156 MA's), (148, 44054), (194, 44150), (203, 44174),

Gene: Policronamos_37 Start: 33161, Stop: 33406, Start Num: 112

Candidate Starts for Policronamos_37:

(Start: 112 @33161 has 172 MA's), (Start: 136 @33218 has 3 MA's), (148, 33251), (150, 33257), (173, 33311), (179, 33323),

Gene: Pomar16_60 Start: 38309, Stop: 38037, Start Num: 76

Candidate Starts for Pomar16_60:

(Start: 76 @38309 has 228 MA's), (Start: 106 @38300 has 36 MA's), (147, 38207), (178, 38129), (203, 38075),

Gene: Pochiewood_30 Start: 27690, Stop: 27959, Start Num: 111

Candidate Starts for Pochiewood_30:

(Start: 111 @27690 has 84 MA's), (Start: 130 @27735 has 7 MA's),

Gene: Porcelain_50 Start: 40623, Stop: 40862, Start Num: 119

Candidate Starts for Porcelain_50:

(Start: 119 @40623 has 9 MA's), (Start: 129 @40650 has 1 MA's), (148, 40704), (149, 40707), (175, 40764), (194, 40800),

Gene: Porky_37 Start: 32972, Stop: 33217, Start Num: 112

Candidate Starts for Porky_37:

(Start: 112 @32972 has 172 MA's), (Start: 136 @33029 has 3 MA's), (148, 33062), (150, 33068), (173, 33122), (179, 33134),

Gene: PotatoChip_52 Start: 43960, Stop: 43664, Start Num: 104

Candidate Starts for PotatoChip_52:

(Start: 104 @43960 has 11 MA's), (132, 43897), (171, 43783), (175, 43771), (191, 43738), (215, 43669),

Gene: Pound_54 Start: 45996, Stop: 46244, Start Num: 112

Candidate Starts for Pound_54:

(Start: 112 @45996 has 172 MA's), (166, 46128),

Gene: Power_57 Start: 38477, Stop: 38205, Start Num: 76

Candidate Starts for Power_57:

(Start: 76 @38477 has 228 MA's), (Start: 106 @38468 has 36 MA's), (Start: 116 @38456 has 1 MA's), (Start: 119 @38450 has 9 MA's), (166, 38327),

Gene: Powerpuff_35 Start: 25868, Stop: 26110, Start Num: 95

Candidate Starts for Powerpuff_35:

(Start: 95 @25868 has 26 MA's), (176, 26027),

Gene: Prithvi_68 Start: 44110, Stop: 44352, Start Num: 115

Candidate Starts for Prithvi_68:

(Start: 115 @44110 has 156 MA's), (148, 44200), (194, 44296),

Gene: Priya_58 Start: 38292, Stop: 38020, Start Num: 76

Candidate Starts for Priya_58:

(Start: 76 @38292 has 228 MA's), (Start: 106 @38283 has 36 MA's), (Start: 134 @38226 has 1 MA's), (147, 38190), (163, 38151), (173, 38124), (178, 38112),

Gene: Psycho_60 Start: 41080, Stop: 41328, Start Num: 115

Candidate Starts for Psycho_60:

(Start: 115 @41080 has 156 MA's), (141, 41155), (172, 41227),

Gene: Pumpernickel_201 Start: 115898, Stop: 115641, Start Num: 112

Candidate Starts for Pumpernickel_201:

(Start: 112 @115898 has 172 MA's), (171, 115754), (176, 115739),

Gene: Pumpkin_39 Start: 33212, Stop: 33457, Start Num: 112

Candidate Starts for Pumpkin_39:

(Start: 112 @33212 has 172 MA's), (Start: 136 @33269 has 3 MA's), (148, 33302), (150, 33308), (173, 33362), (179, 33374),

Gene: Pumpkins_33 Start: 25496, Stop: 25762, Start Num: 95

Candidate Starts for Pumpkins_33:

(Start: 95 @25496 has 26 MA's), (176, 25679),

Gene: Pupper_77 Start: 28936, Stop: 29202, Start Num: 112

Candidate Starts for Pupper_77:

(Start: 112 @28936 has 172 MA's), (Start: 130 @28984 has 7 MA's), (178, 29104), (204, 29164),

Gene: Purgamenstris_55 Start: 36173, Stop: 36421, Start Num: 106

Candidate Starts for Purgamenstris_55:

(Start: 106 @36173 has 36 MA's), (Start: 116 @36185 has 1 MA's), (175, 36335), (176, 36338), (210, 36413),

Gene: QTRlifeCrisis_62 Start: 41518, Stop: 41243, Start Num: 76

Candidate Starts for QTRlifeCrisis_62:

(Start: 75 @41521 has 29 MA's), (Start: 76 @41518 has 228 MA's), (Start: 83 @41506 has 5 MA's), (Start: 119 @41476 has 9 MA's), (137, 41425), (141, 41410), (151, 41389), (163, 41359), (175, 41329),

Gene: Qobbit_58 Start: 38254, Stop: 37982, Start Num: 76

Candidate Starts for Qobbit_58:

(Start: 76 @38254 has 228 MA's), (Start: 106 @38245 has 36 MA's), (Start: 134 @38188 has 1 MA's), (147, 38152), (163, 38113), (173, 38086), (178, 38074),

Gene: Quallification_38 Start: 33341, Stop: 33586, Start Num: 112

Candidate Starts for Quallification_38:

(Start: 112 @33341 has 172 MA's), (Start: 136 @33398 has 3 MA's), (148, 33431), (150, 33437), (173, 33491), (179, 33503),

Gene: Quby_30 Start: 27518, Stop: 27736, Start Num: 130

Candidate Starts for Quby_30:

(Start: 111 @27473 has 84 MA's), (Start: 130 @27518 has 7 MA's), (148, 27566), (179, 27632),

Gene: QueenB2_57 Start: 38455, Stop: 38183, Start Num: 76

Candidate Starts for QueenB2_57:

(Start: 76 @38455 has 228 MA's), (Start: 106 @38446 has 36 MA's), (Start: 116 @38434 has 1 MA's), (Start: 119 @38428 has 9 MA's), (166, 38305), (178, 38275),

Gene: QueenBeesly_58 Start: 38424, Stop: 38152, Start Num: 76

Candidate Starts for QueenBeesly_58:

(Start: 76 @38424 has 228 MA's), (Start: 106 @38415 has 36 MA's), (Start: 116 @38403 has 1 MA's), (Start: 119 @38397 has 9 MA's), (166, 38274),

Gene: QuincyRose_64 Start: 43845, Stop: 44087, Start Num: 115

Candidate Starts for QuincyRose_64:

(Start: 115 @43845 has 156 MA's), (148, 43935), (194, 44031), (203, 44055),

Gene: Quokka_56 Start: 37421, Stop: 37149, Start Num: 76

Candidate Starts for Quokka_56:

(Start: 76 @37421 has 228 MA's), (Start: 116 @37400 has 1 MA's), (Start: 119 @37394 has 9 MA's), (166, 37271), (171, 37259),

Gene: Racecar_109 Start: 87140, Stop: 87388, Start Num: 112

Candidate Starts for Racecar_109:

(Start: 112 @87140 has 172 MA's), (Start: 116 @87146 has 1 MA's), (Start: 119 @87152 has 9 MA's),

Gene: Rachaly_57 Start: 38723, Stop: 38451, Start Num: 76

Candidate Starts for Rachaly_57:

(Start: 76 @38723 has 228 MA's), (Start: 119 @38696 has 9 MA's), (166, 38573), (178, 38543),

Gene: Rahalelujah_58 Start: 37998, Stop: 37726, Start Num: 76

Candidate Starts for Rahalelujah_58:

(Start: 76 @37998 has 228 MA's), (Start: 106 @37989 has 36 MA's), (Start: 134 @37932 has 1 MA's), (147, 37896), (166, 37848),

Gene: Rajelicia_62 Start: 42806, Stop: 42531, Start Num: 76

Candidate Starts for Rajelicia_62:

(Start: 75 @42809 has 29 MA's), (Start: 76 @42806 has 228 MA's), (Start: 83 @42794 has 5 MA's), (Start: 119 @42764 has 9 MA's), (137, 42713), (141, 42698), (151, 42677), (163, 42647), (175, 42617),

Gene: Rakim_38 Start: 33241, Stop: 33486, Start Num: 112

Candidate Starts for Rakim_38:

(Start: 112 @33241 has 172 MA's), (Start: 136 @33298 has 3 MA's), (148, 33331), (150, 33337), (173, 33391), (179, 33403),

Gene: Ramen_67 Start: 43469, Stop: 43711, Start Num: 115

Candidate Starts for Ramen_67:
(Start: 115 @43469 has 156 MA's), (148, 43559), (194, 43655), (203, 43679),

Gene: Rando14_62 Start: 40667, Stop: 40915, Start Num: 115
Candidate Starts for Rando14_62:
(Start: 115 @40667 has 156 MA's),

Gene: Rapunzel97_68 Start: 43920, Stop: 44162, Start Num: 115
Candidate Starts for Rapunzel97_68:
(Start: 115 @43920 has 156 MA's), (148, 44010), (194, 44106), (203, 44130),

Gene: Raymond7_49 Start: 35961, Stop: 36209, Start Num: 106
Candidate Starts for Raymond7_49:
(Start: 106 @35961 has 36 MA's), (Start: 116 @35973 has 1 MA's), (175, 36123), (176, 36126), (210, 36201),

Gene: ReMo_62 Start: 37440, Stop: 37171, Start Num: 100
Candidate Starts for ReMo_62:
(7, 37884), (11, 37860), (14, 37782), (Start: 100 @37440 has 38 MA's), (178, 37263),

Gene: Rearden_46 Start: 40216, Stop: 40461, Start Num: 112
Candidate Starts for Rearden_46:
(Start: 112 @40216 has 172 MA's), (Start: 119 @40228 has 9 MA's), (166, 40348),

Gene: Red305_31 Start: 28796, Stop: 29050, Start Num: 119
Candidate Starts for Red305_31:
(Start: 111 @28784 has 84 MA's), (Start: 119 @28796 has 9 MA's), (Start: 130 @28829 has 7 MA's),

Gene: Redi_55 Start: 36172, Stop: 36420, Start Num: 106
Candidate Starts for Redi_55:
(Start: 106 @36172 has 36 MA's), (Start: 116 @36184 has 1 MA's), (175, 36334), (176, 36337), (210, 36412),

Gene: Redno2_50 Start: 41183, Stop: 41428, Start Num: 112
Candidate Starts for Redno2_50:
(Start: 112 @41183 has 172 MA's), (137, 41246), (148, 41276), (149, 41279), (176, 41339), (179, 41342), (180, 41345),

Gene: Reedo_32 Start: 23099, Stop: 23341, Start Num: 99
Candidate Starts for Reedo_32:
(16, 22766), (24, 22862), (25, 22871), (34, 22946), (Start: 99 @23099 has 17 MA's),

Gene: Refuge_56 Start: 39539, Stop: 39267, Start Num: 76
Candidate Starts for Refuge_56:
(58, 39569), (Start: 76 @39539 has 228 MA's), (147, 39437), (166, 39389), (173, 39371), (178, 39359),

Gene: ReginaGlobina_107 Start: 86858, Stop: 87121, Start Num: 112
Candidate Starts for ReginaGlobina_107:
(Start: 112 @86858 has 172 MA's), (190, 87047),

Gene: Reindeer_39 Start: 33229, Stop: 33507, Start Num: 98
Candidate Starts for Reindeer_39:

(Start: 98 @33229 has 11 MA's), (Start: 112 @33247 has 172 MA's), (137, 33310), (141, 33325), (172, 33397), (175, 33406), (176, 33409), (179, 33415),

Gene: Remus_64 Start: 37446, Stop: 37177, Start Num: 100

Candidate Starts for Remus_64:

(7, 37890), (11, 37866), (14, 37788), (Start: 100 @37446 has 38 MA's), (178, 37269),

Gene: Retro23_59 Start: 38669, Stop: 38397, Start Num: 76

Candidate Starts for Retro23_59:

(Start: 76 @38669 has 228 MA's), (Start: 106 @38660 has 36 MA's), (Start: 116 @38648 has 1 MA's), (Start: 119 @38642 has 9 MA's), (166, 38519), (178, 38489),

Gene: Rey_44 Start: 34155, Stop: 34406, Start Num: 107

Candidate Starts for Rey_44:

(Start: 107 @34155 has 1 MA's), (148, 34248), (170, 34299), (171, 34302), (175, 34314),

Gene: Rhynn_60 Start: 40743, Stop: 40474, Start Num: 75

Candidate Starts for Rhynn_60:

(37, 40845), (38, 40842), (51, 40797), (57, 40779), (Start: 75 @40743 has 29 MA's), (Start: 76 @40740 has 228 MA's), (Start: 83 @40728 has 5 MA's), (Start: 119 @40707 has 9 MA's), (137, 40656), (141, 40641), (151, 40620), (163, 40590), (175, 40560),

Gene: Richo_69 Start: 44123, Stop: 44362, Start Num: 113

Candidate Starts for Richo_69:

(Start: 113 @44123 has 5 MA's), (148, 44213), (163, 44249), (171, 44267), (203, 44330),

Gene: RidgeCB_61 Start: 40947, Stop: 40681, Start Num: 74

Candidate Starts for RidgeCB_61:

(Start: 74 @40947 has 5 MA's), (Start: 83 @40935 has 5 MA's), (Start: 119 @40914 has 9 MA's), (137, 40863), (141, 40848), (151, 40827), (163, 40797), (175, 40767),

Gene: Rimmer_36 Start: 32701, Stop: 32946, Start Num: 112

Candidate Starts for Rimmer_36:

(Start: 112 @32701 has 172 MA's), (Start: 136 @32758 has 3 MA's), (148, 32791), (150, 32797), (173, 32851), (179, 32863),

Gene: Ringer_62 Start: 42252, Stop: 42001, Start Num: 100

Candidate Starts for Ringer_62:

(42, 42357), (Start: 100 @42252 has 38 MA's), (137, 42183), (141, 42168), (151, 42147), (163, 42117), (175, 42087), (210, 42012),

Gene: Riparian_40 Start: 35856, Stop: 36101, Start Num: 125

Candidate Starts for Riparian_40:

(Start: 104 @35814 has 11 MA's), (Start: 125 @35856 has 9 MA's), (132, 35877), (140, 35898), (147, 35922), (148, 35925), (185, 36024), (187, 36027), (189, 36030),

Gene: RiverMonster_37 Start: 32890, Stop: 33135, Start Num: 112

Candidate Starts for RiverMonster_37:

(Start: 112 @32890 has 172 MA's), (Start: 136 @32947 has 3 MA's), (148, 32980), (150, 32986), (173, 33040), (179, 33052),

Gene: RockScotty_31 Start: 22561, Stop: 22827, Start Num: 100

Candidate Starts for RockScotty_31:

(Start: 100 @22561 has 38 MA's), (Start: 115 @22576 has 156 MA's), (139, 22639), (145, 22657), (185, 22759),

Gene: Rockabye_113 Start: 80343, Stop: 80585, Start Num: 112
Candidate Starts for Rockabye_113:
(79, 80295), (Start: 112 @80343 has 172 MA's), (148, 80433), (176, 80502),

Gene: Ronaldo_118 Start: 57046, Stop: 57285, Start Num: 117
Candidate Starts for Ronaldo_118:
(Start: 117 @57046 has 6 MA's), (165, 57169), (196, 57241), (199, 57244),

Gene: Rope_40 Start: 36036, Stop: 36281, Start Num: 125
Candidate Starts for Rope_40:
(Start: 104 @35994 has 11 MA's), (Start: 125 @36036 has 9 MA's), (132, 36057), (140, 36078), (147, 36102), (148, 36105), (185, 36204), (187, 36207), (189, 36210),

Gene: Rosalind_62 Start: 37598, Stop: 37329, Start Num: 100
Candidate Starts for Rosalind_62:
(7, 38042), (11, 38018), (14, 37940), (Start: 100 @37598 has 38 MA's), (178, 37421),

Gene: Rose5_30 Start: 27690, Stop: 27959, Start Num: 111
Candidate Starts for Rose5_30:
(Start: 111 @27690 has 84 MA's), (Start: 130 @27735 has 7 MA's), (175, 27843),

Gene: RoseMarie_41 Start: 35246, Stop: 35443, Start Num: 137
Candidate Starts for RoseMarie_41:
(44, 35054), (Start: 98 @35165 has 11 MA's), (Start: 112 @35183 has 172 MA's), (Start: 131 @35231 has 1 MA's), (137, 35246), (148, 35276), (175, 35342), (179, 35351),

Gene: Rosmarinus_66 Start: 43610, Stop: 43852, Start Num: 115
Candidate Starts for Rosmarinus_66:
(Start: 115 @43610 has 156 MA's), (148, 43700), (194, 43796), (203, 43820),

Gene: Rossetti_32 Start: 28739, Stop: 28960, Start Num: 130
Candidate Starts for Rossetti_32:
(Start: 111 @28694 has 84 MA's), (Start: 130 @28739 has 7 MA's), (180, 28856), (220, 28949),

Gene: Rubeelu_53 Start: 35513, Stop: 35761, Start Num: 106
Candidate Starts for Rubeelu_53:
(33, 35339), (62, 35435), (Start: 106 @35513 has 36 MA's), (Start: 116 @35525 has 1 MA's), (148, 35609), (175, 35675), (176, 35678),

Gene: Rubeus_60 Start: 38752, Stop: 38498, Start Num: 83
Candidate Starts for Rubeus_60:
(Start: 74 @38764 has 5 MA's), (Start: 83 @38752 has 5 MA's), (Start: 119 @38731 has 9 MA's), (137, 38680), (141, 38665), (151, 38644), (163, 38614), (175, 38584), (210, 38509),

Gene: Rufus_63 Start: 41448, Stop: 41182, Start Num: 74
Candidate Starts for Rufus_63:
(Start: 74 @41448 has 5 MA's), (Start: 83 @41436 has 5 MA's), (Start: 119 @41415 has 9 MA's), (137, 41364), (141, 41349), (151, 41328), (163, 41298), (175, 41268), (210, 41193),

Gene: Rumpelstiltskin_32 Start: 28735, Stop: 28956, Start Num: 130

Candidate Starts for Rumpelstiltskin_32:

(Start: 111 @28690 has 84 MA's), (Start: 130 @28735 has 7 MA's), (149, 28786), (180, 28852), (210, 28924), (220, 28945),

Gene: Ruotula_64 Start: 42952, Stop: 42695, Start Num: 86

Candidate Starts for Ruotula_64:

(Start: 86 @42952 has 10 MA's), (Start: 116 @42934 has 1 MA's), (Start: 119 @42928 has 9 MA's), (137, 42877), (141, 42862), (151, 42841), (163, 42811), (175, 42781),

Gene: Rutherferd_64 Start: 42559, Stop: 42290, Start Num: 75

Candidate Starts for Rutherferd_64:

(37, 42661), (38, 42658), (51, 42613), (57, 42595), (Start: 75 @42559 has 29 MA's), (Start: 76 @42556 has 228 MA's), (Start: 83 @42544 has 5 MA's), (Start: 119 @42523 has 9 MA's), (137, 42472), (141, 42457), (151, 42436), (163, 42406), (175, 42376),

Gene: RyeScarlet_59 Start: 38297, Stop: 38025, Start Num: 76

Candidate Starts for RyeScarlet_59:

(Start: 76 @38297 has 228 MA's), (Start: 106 @38288 has 36 MA's), (Start: 134 @38231 has 1 MA's), (147, 38195), (163, 38156), (173, 38129), (178, 38117),

Gene: SCentae_76 Start: 28691, Stop: 28957, Start Num: 112

Candidate Starts for SCentae_76:

(Start: 112 @28691 has 172 MA's), (Start: 130 @28739 has 7 MA's), (178, 28859), (204, 28919),

Gene: SJReid_115 Start: 79391, Stop: 79633, Start Num: 112

Candidate Starts for SJReid_115:

(Start: 112 @79391 has 172 MA's), (171, 79535),

Gene: STLscum_70 Start: 43220, Stop: 42969, Start Num: 100

Candidate Starts for STLscum_70:

(42, 43325), (Start: 100 @43220 has 38 MA's), (137, 43151), (141, 43136), (151, 43115), (163, 43085), (175, 43055), (210, 42980),

Gene: Sabourin_32 Start: 22493, Stop: 22759, Start Num: 100

Candidate Starts for Sabourin_32:

(Start: 100 @22493 has 38 MA's), (Start: 109 @22502 has 10 MA's), (Start: 115 @22508 has 156 MA's), (139, 22571),

Gene: Sachima_55 Start: 38207, Stop: 37935, Start Num: 76

Candidate Starts for Sachima_55:

(Start: 76 @38207 has 228 MA's), (Start: 106 @38198 has 36 MA's), (Start: 134 @38141 has 1 MA's), (147, 38105), (163, 38066), (173, 38039), (178, 38027),

Gene: Sagefire_64 Start: 42827, Stop: 42561, Start Num: 76

Candidate Starts for Sagefire_64:

(Start: 75 @42830 has 29 MA's), (Start: 76 @42827 has 228 MA's), (Start: 83 @42815 has 5 MA's), (Start: 119 @42794 has 9 MA's), (137, 42743), (141, 42728), (151, 42707), (163, 42677), (175, 42647),

Gene: Saints25_38 Start: 32793, Stop: 33038, Start Num: 112

Candidate Starts for Saints25_38:

(Start: 112 @32793 has 172 MA's), (Start: 136 @32850 has 3 MA's), (148, 32883), (150, 32889), (173, 32943), (179, 32955),

Gene: Salz_56 Start: 37305, Stop: 37033, Start Num: 76

Candidate Starts for Salz_56:

(Start: 76 @37305 has 228 MA's), (Start: 106 @37296 has 36 MA's), (178, 37125),

Gene: Samty_31 Start: 28787, Stop: 29053, Start Num: 111

Candidate Starts for Samty_31:

(Start: 111 @28787 has 84 MA's), (Start: 119 @28799 has 9 MA's), (Start: 130 @28832 has 7 MA's),

Gene: SamuelLPlaqson_67 Start: 44362, Stop: 44604, Start Num: 115

Candidate Starts for SamuelLPlaqson_67:

(Start: 115 @44362 has 156 MA's), (148, 44452), (194, 44548), (203, 44572),

Gene: Sandaddy_58 Start: 40699, Stop: 40442, Start Num: 86

Candidate Starts for Sandaddy_58:

(Start: 86 @40699 has 10 MA's), (Start: 116 @40681 has 1 MA's), (Start: 119 @40675 has 9 MA's), (137, 40624), (141, 40609), (151, 40588), (163, 40558), (175, 40528), (210, 40453),

Gene: Sanya_57 Start: 41974, Stop: 41741, Start Num: 119

Candidate Starts for Sanya_57:

(Start: 74 @42007 has 5 MA's), (Start: 83 @41995 has 5 MA's), (Start: 119 @41974 has 9 MA's), (137, 41923), (141, 41908), (151, 41887), (163, 41857), (175, 41827), (210, 41752),

Gene: SarFire_61 Start: 41167, Stop: 40898, Start Num: 75

Candidate Starts for SarFire_61:

(Start: 75 @41167 has 29 MA's), (Start: 76 @41164 has 228 MA's), (Start: 83 @41152 has 5 MA's), (Start: 116 @41137 has 1 MA's), (Start: 119 @41131 has 9 MA's), (137, 41080), (141, 41065), (151, 41044), (163, 41014), (175, 40984), (210, 40909),

Gene: Sarshaun_32 Start: 28500, Stop: 28721, Start Num: 130

Candidate Starts for Sarshaun_32:

(Start: 111 @28455 has 84 MA's), (Start: 130 @28500 has 7 MA's), (149, 28551), (180, 28617), (210, 28689), (220, 28710),

Gene: Sassay_36 Start: 32639, Stop: 32884, Start Num: 112

Candidate Starts for Sassay_36:

(Start: 112 @32639 has 172 MA's), (Start: 136 @32696 has 3 MA's), (148, 32729), (150, 32735), (173, 32789), (179, 32801),

Gene: Scarlett_71 Start: 44528, Stop: 44758, Start Num: 115

Candidate Starts for Scarlett_71:

(Start: 115 @44528 has 156 MA's), (159, 44645), (172, 44663),

Gene: Schatzie_49 Start: 43187, Stop: 43432, Start Num: 112

Candidate Starts for Schatzie_49:

(Start: 112 @43187 has 172 MA's), (137, 43250), (148, 43280), (149, 43283), (176, 43343), (179, 43346), (180, 43349),

Gene: Scherzo_58 Start: 38511, Stop: 38239, Start Num: 76

Candidate Starts for Scherzo_58:

(Start: 76 @38511 has 228 MA's), (Start: 106 @38502 has 36 MA's), (Start: 134 @38445 has 1 MA's), (147, 38409), (163, 38370), (173, 38343), (178, 38331),

Gene: Schmidt_57 Start: 36601, Stop: 36840, Start Num: 115

Candidate Starts for Schmidt_57:

(48, 36481), (Start: 115 @36601 has 156 MA's), (Start: 131 @36643 has 1 MA's), (137, 36658), (145, 36682), (151, 36694), (173, 36763), (176, 36772), (207, 36832),

Gene: Schnauzer_51 Start: 34925, Stop: 35173, Start Num: 106

Candidate Starts for Schnauzer_51:

(12, 34511), (27, 34718), (33, 34751), (62, 34847), (Start: 106 @34925 has 36 MA's), (Start: 116 @34937 has 1 MA's), (Start: 119 @34943 has 9 MA's), (148, 35021), (175, 35087), (176, 35090),

Gene: ScoobyDoobyDoo_73 Start: 26882, Stop: 27106, Start Num: 110

Candidate Starts for ScoobyDoobyDoo_73:

(Start: 110 @26882 has 1 MA's), (135, 26933), (163, 27005), (171, 27023), (173, 27029), (175, 27035), (199, 27071),

Gene: Scowl_63 Start: 41099, Stop: 40830, Start Num: 75

Candidate Starts for Scowl_63:

(Start: 75 @41099 has 29 MA's), (Start: 76 @41096 has 228 MA's), (Start: 83 @41084 has 5 MA's), (Start: 121 @41060 has 1 MA's), (Start: 136 @41015 has 3 MA's), (141, 40997), (163, 40946), (210, 40841),

Gene: SemperFi_59 Start: 38692, Stop: 38420, Start Num: 76

Candidate Starts for SemperFi_59:

(Start: 76 @38692 has 228 MA's), (Start: 106 @38683 has 36 MA's), (Start: 116 @38671 has 1 MA's), (Start: 119 @38665 has 9 MA's), (166, 38542),

Gene: Send513_40 Start: 36392, Stop: 36637, Start Num: 125

Candidate Starts for Send513_40:

(Start: 104 @36350 has 11 MA's), (Start: 125 @36392 has 9 MA's), (132, 36413), (140, 36434), (148, 36461), (185, 36560), (187, 36563), (189, 36566), (206, 36617),

Gene: Serenabean_52 Start: 34263, Stop: 34496, Start Num: 100

Candidate Starts for Serenabean_52:

(Start: 100 @34263 has 38 MA's), (137, 34326), (166, 34398),

Gene: Serenity_58 Start: 37628, Stop: 37356, Start Num: 76

Candidate Starts for Serenity_58:

(43, 37700), (49, 37688), (Start: 76 @37628 has 228 MA's), (Start: 116 @37607 has 1 MA's), (Start: 119 @37601 has 9 MA's), (166, 37478), (171, 37466),

Gene: SgtBeansprout_56 Start: 40941, Stop: 41186, Start Num: 115

Candidate Starts for SgtBeansprout_56:

(60, 40869), (Start: 115 @40941 has 156 MA's), (157, 41046), (172, 41088), (194, 41124),

Gene: Shaboozey_44 Start: 38020, Stop: 38232, Start Num: 129

Candidate Starts for Shaboozey_44:

(Start: 119 @37993 has 9 MA's), (Start: 129 @38020 has 1 MA's), (148, 38074), (149, 38077), (175, 38134), (194, 38170),

Gene: Shadow1_71 Start: 43904, Stop: 44143, Start Num: 115

Candidate Starts for Shadow1_71:

(63, 43820), (Start: 115 @43904 has 156 MA's), (Start: 119 @43913 has 9 MA's), (148, 43994), (171, 44048), (176, 44063),

Gene: Shaffner_34 Start: 25723, Stop: 25989, Start Num: 95
Candidate Starts for Shaffner_34:
(19, 25465), (26, 25501), (Start: 95 @25723 has 26 MA's), (176, 25906),

Gene: Sham4_57 Start: 37333, Stop: 37061, Start Num: 76
Candidate Starts for Sham4_57:
(Start: 76 @37333 has 228 MA's), (Start: 106 @37324 has 36 MA's), (178, 37153),

Gene: ShamWow_37 Start: 33135, Stop: 33380, Start Num: 112
Candidate Starts for ShamWow_37:
(Start: 112 @33135 has 172 MA's), (Start: 136 @33192 has 3 MA's), (148, 33225), (150, 33231), (173, 33285), (179, 33297),

Gene: Shaobing_69 Start: 44159, Stop: 44398, Start Num: 113
Candidate Starts for Shaobing_69:
(Start: 113 @44159 has 5 MA's), (148, 44249), (163, 44285), (171, 44303), (203, 44366),

Gene: ShayRa_64 Start: 37627, Stop: 37358, Start Num: 100
Candidate Starts for ShayRa_64:
(7, 38071), (14, 37969), (Start: 100 @37627 has 38 MA's), (178, 37450),

Gene: SheaKeira_56 Start: 37935, Stop: 37663, Start Num: 76
Candidate Starts for SheaKeira_56:
(Start: 76 @37935 has 228 MA's), (Start: 106 @37926 has 36 MA's), (Start: 116 @37914 has 1 MA's),
(Start: 134 @37869 has 1 MA's), (147, 37833), (158, 37812), (166, 37785), (169, 37776), (175, 37761),
(200, 37710), (206, 37689),

Gene: ShedlockHolmes_69 Start: 44136, Stop: 44378, Start Num: 111
Candidate Starts for ShedlockHolmes_69:
(Start: 111 @44136 has 84 MA's), (Start: 128 @44169 has 2 MA's), (148, 44226), (172, 44286), (176, 44298),

Gene: Sheng711_30 Start: 27624, Stop: 27842, Start Num: 130
Candidate Starts for Sheng711_30:
(Start: 111 @27579 has 84 MA's), (Start: 130 @27624 has 7 MA's), (179, 27738),

Gene: ShereKhan_39 Start: 34175, Stop: 34363, Start Num: 136
Candidate Starts for ShereKhan_39:
(Start: 112 @34118 has 172 MA's), (Start: 136 @34175 has 3 MA's), (148, 34208), (150, 34214), (173, 34268), (179, 34280),

Gene: ShiaSurprise_67 Start: 43819, Stop: 44061, Start Num: 115
Candidate Starts for ShiaSurprise_67:
(Start: 115 @43819 has 156 MA's), (148, 43909), (194, 44005), (203, 44029),

Gene: ShortQueendom_54 Start: 38806, Stop: 38531, Start Num: 76
Candidate Starts for ShortQueendom_54:
(Start: 75 @38809 has 29 MA's), (Start: 76 @38806 has 228 MA's), (Start: 83 @38794 has 5 MA's),
(137, 38713), (141, 38698), (151, 38677), (163, 38647), (175, 38617),

Gene: ShrimpFriedEgg_55 Start: 36172, Stop: 36420, Start Num: 106
Candidate Starts for ShrimpFriedEgg_55:

(Start: 106 @36172 has 36 MA's), (Start: 116 @36184 has 1 MA's), (175, 36334), (176, 36337), (210, 36412),

Gene: Shweta_51 Start: 35498, Stop: 35743, Start Num: 102

Candidate Starts for Shweta_51:

(Start: 102 @35498 has 1 MA's), (Start: 116 @35510 has 1 MA's), (Start: 119 @35516 has 9 MA's), (142, 35582), (164, 35627), (176, 35657),

Gene: Silvafighter_51 Start: 34898, Stop: 35146, Start Num: 106

Candidate Starts for Silvafighter_51:

(12, 34484), (27, 34691), (33, 34724), (62, 34820), (Start: 106 @34898 has 36 MA's), (Start: 116 @34910 has 1 MA's), (Start: 119 @34916 has 9 MA's), (148, 34994), (175, 35060), (176, 35063),

Gene: Silverleaf_30 Start: 27690, Stop: 27959, Start Num: 111

Candidate Starts for Silverleaf_30:

(Start: 111 @27690 has 84 MA's), (Start: 130 @27735 has 7 MA's), (175, 27843),

Gene: Simpliphy_38 Start: 32880, Stop: 33125, Start Num: 112

Candidate Starts for Simpliphy_38:

(Start: 112 @32880 has 172 MA's), (Start: 136 @32937 has 3 MA's), (148, 32970), (150, 32976), (173, 33030), (179, 33042),

Gene: Simpson_35 Start: 24755, Stop: 25021, Start Num: 95

Candidate Starts for Simpson_35:

(19, 24497), (Start: 95 @24755 has 26 MA's), (176, 24938),

Gene: SirDuracell_36 Start: 31800, Stop: 32045, Start Num: 112

Candidate Starts for SirDuracell_36:

(Start: 112 @31800 has 172 MA's), (Start: 136 @31857 has 3 MA's), (148, 31890), (150, 31896), (171, 31944), (173, 31950), (179, 31962),

Gene: SirPhilip_66 Start: 44298, Stop: 44537, Start Num: 115

Candidate Starts for SirPhilip_66:

(Start: 115 @44298 has 156 MA's), (148, 44388), (162, 44424), (171, 44442), (175, 44454),

Gene: Skinny_40 Start: 33191, Stop: 33469, Start Num: 98

Candidate Starts for Skinny_40:

(44, 33080), (Start: 98 @33191 has 11 MA's), (Start: 112 @33209 has 172 MA's), (137, 33272), (172, 33359), (175, 33368), (179, 33377),

Gene: Skog_140 Start: 57999, Stop: 58271, Start Num: 112

Candidate Starts for Skog_140:

(Start: 112 @57999 has 172 MA's), (Start: 130 @58047 has 7 MA's), (141, 58080), (178, 58167),

Gene: Slagathor_64 Start: 43192, Stop: 42926, Start Num: 76

Candidate Starts for Slagathor_64:

(Start: 75 @43195 has 29 MA's), (Start: 76 @43192 has 228 MA's), (Start: 83 @43180 has 5 MA's), (Start: 116 @43165 has 1 MA's), (Start: 119 @43159 has 9 MA's), (137, 43108), (141, 43093), (151, 43072), (163, 43042), (175, 43012),

Gene: SlimJimmy_38 Start: 32763, Stop: 33023, Start Num: 112

Candidate Starts for SlimJimmy_38:

(44, 32634), (Start: 98 @32745 has 11 MA's), (Start: 112 @32763 has 172 MA's), (137, 32826), (172, 32913), (175, 32922), (179, 32931),

Gene: Slimphazie_67 Start: 43920, Stop: 44162, Start Num: 115

Candidate Starts for Slimphazie_67:

(Start: 115 @43920 has 156 MA's), (148, 44010), (194, 44106), (203, 44130),

Gene: Smairt_64 Start: 43635, Stop: 43369, Start Num: 76

Candidate Starts for Smairt_64:

(Start: 75 @43638 has 29 MA's), (Start: 76 @43635 has 228 MA's), (Start: 83 @43623 has 5 MA's), (Start: 119 @43602 has 9 MA's), (137, 43551), (141, 43536), (151, 43515), (163, 43485), (175, 43455),

Gene: Smeagan_61 Start: 38985, Stop: 38713, Start Num: 76

Candidate Starts for Smeagan_61:

(Start: 76 @38985 has 228 MA's), (Start: 106 @38976 has 36 MA's), (Start: 116 @38964 has 1 MA's), (Start: 119 @38958 has 9 MA's), (166, 38835),

Gene: Smeagol_64 Start: 43015, Stop: 42749, Start Num: 76

Candidate Starts for Smeagol_64:

(Start: 76 @43015 has 228 MA's), (Start: 83 @43003 has 5 MA's), (Start: 119 @42982 has 9 MA's), (137, 42931), (141, 42916), (151, 42895), (163, 42865), (175, 42835),

Gene: Smoothie_126 Start: 71628, Stop: 71921, Start Num: 99

Candidate Starts for Smoothie_126:

(Start: 99 @71628 has 17 MA's), (Start: 128 @71676 has 2 MA's), (175, 71805),

Gene: Smurph_50 Start: 34925, Stop: 35173, Start Num: 106

Candidate Starts for Smurph_50:

(12, 34511), (27, 34718), (33, 34751), (62, 34847), (Start: 106 @34925 has 36 MA's), (Start: 116 @34937 has 1 MA's), (Start: 119 @34943 has 9 MA's), (148, 35021), (175, 35087), (176, 35090),

Gene: SnapTap_58 Start: 38503, Stop: 38231, Start Num: 76

Candidate Starts for SnapTap_58:

(Start: 76 @38503 has 228 MA's), (Start: 106 @38494 has 36 MA's), (Start: 116 @38482 has 1 MA's), (Start: 119 @38476 has 9 MA's), (166, 38353),

Gene: Snape_57 Start: 37325, Stop: 37053, Start Num: 76

Candidate Starts for Snape_57:

(Start: 76 @37325 has 228 MA's), (Start: 106 @37316 has 36 MA's), (178, 37145),

Gene: Snazzy_60 Start: 40262, Stop: 39987, Start Num: 76

Candidate Starts for Snazzy_60:

(Start: 75 @40265 has 29 MA's), (Start: 76 @40262 has 228 MA's), (Start: 83 @40250 has 5 MA's), (137, 40169), (141, 40154), (151, 40133), (163, 40103), (175, 40073),

Gene: Snek_33 Start: 23631, Stop: 23897, Start Num: 80

Candidate Starts for Snek_33:

(24, 23421), (25, 23430), (Start: 80 @23631 has 2 MA's), (176, 23814),

Gene: Snekmaggedon_49 Start: 34464, Stop: 34712, Start Num: 106

Candidate Starts for Snekmaggedon_49:

(Start: 106 @34464 has 36 MA's), (Start: 116 @34476 has 1 MA's), (175, 34626), (176, 34629), (210, 34704),

Gene: Snenia_31 Start: 28785, Stop: 29051, Start Num: 111

Candidate Starts for Snenia_31:

(Start: 111 @28785 has 84 MA's), (Start: 119 @28797 has 9 MA's), (Start: 130 @28830 has 7 MA's),

Gene: SoJulia_33 Start: 28728, Stop: 28949, Start Num: 130

Candidate Starts for SoJulia_33:

(Start: 111 @28683 has 84 MA's), (Start: 130 @28728 has 7 MA's), (149, 28779), (180, 28845), (210, 28917), (220, 28938),

Gene: SoSeph_61 Start: 42799, Stop: 43047, Start Num: 115

Candidate Starts for SoSeph_61:

(Start: 115 @42799 has 156 MA's), (141, 42874), (172, 42946), (184, 42970),

Gene: Soap141_32 Start: 28500, Stop: 28721, Start Num: 130

Candidate Starts for Soap141_32:

(Start: 111 @28455 has 84 MA's), (Start: 130 @28500 has 7 MA's), (149, 28551), (180, 28617), (210, 28689), (220, 28710),

Gene: Solon_61 Start: 40838, Stop: 40563, Start Num: 76

Candidate Starts for Solon_61:

(Start: 75 @40841 has 29 MA's), (Start: 76 @40838 has 228 MA's), (Start: 83 @40826 has 5 MA's), (Start: 119 @40796 has 9 MA's), (137, 40745), (141, 40730), (151, 40709), (163, 40679), (175, 40649), (210, 40574),

Gene: Sooty_31 Start: 22496, Stop: 22762, Start Num: 100

Candidate Starts for Sooty_31:

(Start: 100 @22496 has 38 MA's), (Start: 109 @22505 has 10 MA's), (Start: 115 @22511 has 156 MA's), (139, 22574),

Gene: SophKB_37 Start: 33134, Stop: 33379, Start Num: 112

Candidate Starts for SophKB_37:

(Start: 112 @33134 has 172 MA's), (Start: 136 @33191 has 3 MA's), (148, 33224), (150, 33230), (173, 33284), (179, 33296),

Gene: Sorpresa_59 Start: 40701, Stop: 40444, Start Num: 86

Candidate Starts for Sorpresa_59:

(Start: 86 @40701 has 10 MA's), (Start: 116 @40683 has 1 MA's), (Start: 119 @40677 has 9 MA's), (137, 40626), (141, 40611), (151, 40590), (163, 40560), (175, 40530), (210, 40455),

Gene: Sotrice96_37 Start: 33089, Stop: 33334, Start Num: 112

Candidate Starts for Sotrice96_37:

(Start: 112 @33089 has 172 MA's), (Start: 136 @33146 has 3 MA's), (148, 33179), (150, 33185), (173, 33239), (179, 33251),

Gene: Soups_64 Start: 37890, Stop: 37621, Start Num: 100

Candidate Starts for Soups_64:

(7, 38334), (14, 38232), (Start: 100 @37890 has 38 MA's), (178, 37713),

Gene: SpecialK_31 Start: 22493, Stop: 22759, Start Num: 100

Candidate Starts for SpecialK_31:

(Start: 100 @22493 has 38 MA's), (Start: 115 @22508 has 156 MA's), (139, 22571), (185, 22691),

Gene: SpeedDemon_860 Start: 59302, Stop: 59036, Start Num: 99
Candidate Starts for SpeedDemon_860:
(Start: 99 @59302 has 17 MA's), (Start: 125 @59254 has 9 MA's),

Gene: SpikeBT_60 Start: 40904, Stop: 40638, Start Num: 76
Candidate Starts for SpikeBT_60:
(Start: 75 @40907 has 29 MA's), (Start: 76 @40904 has 228 MA's), (Start: 83 @40892 has 5 MA's),
(Start: 119 @40871 has 9 MA's), (137, 40820), (141, 40805), (151, 40784), (163, 40754), (175, 40724),
(210, 40649),

Gene: Splinter_63 Start: 40094, Stop: 40318, Start Num: 111
Candidate Starts for Splinter_63:
(Start: 111 @40094 has 84 MA's), (Start: 131 @40136 has 1 MA's), (148, 40181), (153, 40190), (173,
40241), (176, 40250),

Gene: Spock_66 Start: 43623, Stop: 43865, Start Num: 115
Candidate Starts for Spock_66:
(Start: 115 @43623 has 156 MA's), (148, 43713), (194, 43809), (203, 43833),

Gene: SpongeBob_49 Start: 34464, Stop: 34712, Start Num: 106
Candidate Starts for SpongeBob_49:
(Start: 106 @34464 has 36 MA's), (Start: 116 @34476 has 1 MA's), (175, 34626), (176, 34629), (210,
34704),

Gene: Spouty_58 Start: 38291, Stop: 38019, Start Num: 76
Candidate Starts for Spouty_58:
(Start: 76 @38291 has 228 MA's), (Start: 106 @38282 has 36 MA's), (Start: 134 @38225 has 1 MA's),
(147, 38189), (163, 38150), (173, 38123), (178, 38111),

Gene: Squint_50 Start: 40769, Stop: 40981, Start Num: 129
Candidate Starts for Squint_50:
(Start: 119 @40742 has 9 MA's), (Start: 129 @40769 has 1 MA's), (148, 40823), (149, 40826), (175,
40883), (194, 40919),

Gene: Stank_40 Start: 33641, Stop: 33886, Start Num: 112
Candidate Starts for Stank_40:
(Start: 112 @33641 has 172 MA's), (Start: 136 @33698 has 3 MA's), (148, 33731), (150, 33737), (173,
33791), (179, 33803),

Gene: StarStuff_60 Start: 38271, Stop: 37999, Start Num: 76
Candidate Starts for StarStuff_60:
(Start: 76 @38271 has 228 MA's), (Start: 106 @38262 has 36 MA's), (147, 38169), (178, 38091), (203,
38037),

Gene: Stark_38 Start: 32893, Stop: 33138, Start Num: 112
Candidate Starts for Stark_38:
(Start: 112 @32893 has 172 MA's), (Start: 136 @32950 has 3 MA's), (148, 32983), (150, 32989), (173,
33043), (179, 33055),

Gene: Steamy_54 Start: 38003, Stop: 37731, Start Num: 76
Candidate Starts for Steamy_54:
(23, 38204), (Start: 76 @38003 has 228 MA's), (Start: 106 @37994 has 36 MA's), (Start: 119 @37976
has 9 MA's), (132, 37940), (147, 37901), (166, 37853), (173, 37835), (182, 37814), (183, 37811),

Gene: StellaBean_37 Start: 33134, Stop: 33379, Start Num: 112

Candidate Starts for StellaBean_37:

(Start: 112 @33134 has 172 MA's), (Start: 136 @33191 has 3 MA's), (148, 33224), (150, 33230), (173, 33284), (179, 33296),

Gene: StewieG_57 Start: 37645, Stop: 37379, Start Num: 76

Candidate Starts for StewieG_57:

(Start: 75 @37648 has 29 MA's), (Start: 76 @37645 has 228 MA's), (Start: 83 @37633 has 5 MA's), (Start: 119 @37612 has 9 MA's), (137, 37561), (141, 37546), (151, 37525), (163, 37495),

Gene: Stickynote_52 Start: 43964, Stop: 43674, Start Num: 104

Candidate Starts for Stickynote_52:

(Start: 104 @43964 has 11 MA's), (132, 43901), (171, 43787), (200, 43715),

Gene: Stinson_68 Start: 44248, Stop: 44490, Start Num: 115

Candidate Starts for Stinson_68:

(Start: 115 @44248 has 156 MA's), (148, 44338), (194, 44434), (203, 44458),

Gene: StolenFromERC_39 Start: 33125, Stop: 33370, Start Num: 112

Candidate Starts for StolenFromERC_39:

(Start: 112 @33125 has 172 MA's), (Start: 136 @33182 has 3 MA's), (148, 33215), (150, 33221), (173, 33275), (179, 33287),

Gene: StormChicken_37 Start: 33309, Stop: 33554, Start Num: 112

Candidate Starts for StormChicken_37:

(Start: 112 @33309 has 172 MA's), (Start: 136 @33366 has 3 MA's), (148, 33399), (150, 33405), (173, 33459), (179, 33471),

Gene: Strobilo_70 Start: 46068, Stop: 46313, Start Num: 115

Candidate Starts for Strobilo_70:

(60, 46005), (Start: 115 @46068 has 156 MA's), (148, 46158), (176, 46227),

Gene: StrongArm_60 Start: 42040, Stop: 41774, Start Num: 76

Candidate Starts for StrongArm_60:

(Start: 75 @42043 has 29 MA's), (Start: 76 @42040 has 228 MA's), (Start: 83 @42028 has 5 MA's), (Start: 121 @42004 has 1 MA's), (Start: 136 @41959 has 3 MA's), (141, 41941), (163, 41890), (210, 41785),

Gene: Strosahl_64 Start: 37446, Stop: 37177, Start Num: 100

Candidate Starts for Strosahl_64:

(7, 37890), (11, 37866), (14, 37788), (Start: 100 @37446 has 38 MA's), (178, 37269),

Gene: Stuck_67 Start: 45156, Stop: 45389, Start Num: 116

Candidate Starts for Stuck_67:

(Start: 102 @45144 has 1 MA's), (Start: 116 @45156 has 1 MA's), (Start: 119 @45162 has 9 MA's), (142, 45228), (164, 45273), (176, 45303),

Gene: Stuu_32 Start: 22587, Stop: 22853, Start Num: 100

Candidate Starts for Stuu_32:

(Start: 100 @22587 has 38 MA's), (Start: 115 @22602 has 156 MA's), (139, 22665), (185, 22785),

Gene: SuMoo_44 Start: 27844, Stop: 28113, Start Num: 97

Candidate Starts for SuMoo_44:

(29, 27691), (38, 27730), (39, 27733), (Start: 97 @27844 has 10 MA's), (Start: 131 @27898 has 1 MA's), (142, 27931), (173, 28012), (202, 28057),

Gene: Subaru_35 Start: 26623, Stop: 26880, Start Num: 111

Candidate Starts for Subaru_35:

(19, 26386), (20, 26395), (Start: 111 @26623 has 84 MA's), (Start: 131 @26671 has 1 MA's), (178, 26788),

Gene: Sue2_34 Start: 25374, Stop: 25640, Start Num: 95

Candidate Starts for Sue2_34:

(24, 25137), (25, 25146), (34, 25221), (Start: 95 @25374 has 26 MA's), (176, 25557), (206, 25614),

Gene: Sulley_66 Start: 43683, Stop: 43925, Start Num: 115

Candidate Starts for Sulley_66:

(Start: 115 @43683 has 156 MA's), (148, 43773), (194, 43869), (203, 43893),

Gene: Sumter_58 Start: 41278, Stop: 41012, Start Num: 76

Candidate Starts for Sumter_58:

(Start: 75 @41281 has 29 MA's), (Start: 76 @41278 has 228 MA's), (Start: 83 @41266 has 5 MA's), (Start: 116 @41251 has 1 MA's), (Start: 119 @41245 has 9 MA's), (137, 41194), (141, 41179), (151, 41158), (163, 41128), (175, 41098), (210, 41023),

Gene: Sunflower1121_72 Start: 44050, Stop: 44289, Start Num: 115

Candidate Starts for Sunflower1121_72:

(63, 43966), (Start: 115 @44050 has 156 MA's), (Start: 119 @44059 has 9 MA's), (148, 44140), (171, 44194), (176, 44209),

Gene: Sunshine924_67 Start: 41911, Stop: 41645, Start Num: 76

Candidate Starts for Sunshine924_67:

(Start: 75 @41914 has 29 MA's), (Start: 76 @41911 has 228 MA's), (Start: 83 @41899 has 5 MA's), (Start: 119 @41878 has 9 MA's), (141, 41812), (151, 41791), (163, 41761), (175, 41731), (210, 41656),

Gene: Superchunk_56 Start: 36944, Stop: 36672, Start Num: 76

Candidate Starts for Superchunk_56:

(Start: 76 @36944 has 228 MA's), (Start: 119 @36917 has 9 MA's), (166, 36794), (171, 36782),

Gene: Superphikiman_51 Start: 40814, Stop: 41053, Start Num: 119

Candidate Starts for Superphikiman_51:

(Start: 119 @40814 has 9 MA's), (Start: 129 @40841 has 1 MA's), (148, 40895), (149, 40898), (175, 40955), (194, 40991),

Gene: Sweetclover_49 Start: 33033, Stop: 33266, Start Num: 100

Candidate Starts for Sweetclover_49:

(45, 32928), (Start: 100 @33033 has 38 MA's), (137, 33096), (166, 33168),

Gene: SweetiePie_58 Start: 38635, Stop: 38363, Start Num: 76

Candidate Starts for SweetiePie_58:

(Start: 76 @38635 has 228 MA's), (Start: 106 @38626 has 36 MA's), (Start: 116 @38614 has 1 MA's), (Start: 119 @38608 has 9 MA's),

Gene: SwirlSquare_63 Start: 37866, Stop: 37594, Start Num: 76

Candidate Starts for SwirlSquare_63:

(Start: 76 @37866 has 228 MA's), (Start: 119 @37839 has 9 MA's), (137, 37791), (161, 37734), (178, 37686), (186, 37668),

Gene: Switzerland_63 Start: 37766, Stop: 37497, Start Num: 100
Candidate Starts for Switzerland_63:
(7, 38210), (14, 38108), (Start: 100 @37766 has 38 MA's), (178, 37589),

Gene: Swole_63 Start: 41087, Stop: 40812, Start Num: 76
Candidate Starts for Swole_63:
(Start: 75 @41090 has 29 MA's), (Start: 76 @41087 has 228 MA's), (Start: 83 @41075 has 5 MA's),
(Start: 119 @41045 has 9 MA's), (137, 40994), (141, 40979), (151, 40958), (163, 40928), (175, 40898),

Gene: Syra333_70 Start: 43764, Stop: 44003, Start Num: 115
Candidate Starts for Syra333_70:
(63, 43680), (Start: 115 @43764 has 156 MA's), (Start: 119 @43773 has 9 MA's), (148, 43854), (171, 43908), (176, 43923),

Gene: TBond007_64 Start: 43622, Stop: 43864, Start Num: 111
Candidate Starts for TBond007_64:
(Start: 111 @43622 has 84 MA's), (Start: 128 @43655 has 2 MA's), (148, 43712), (159, 43739), (172, 43772), (176, 43784),

Gene: TBrady12_39 Start: 33125, Stop: 33370, Start Num: 112
Candidate Starts for TBrady12_39:
(Start: 112 @33125 has 172 MA's), (Start: 136 @33182 has 3 MA's), (148, 33215), (150, 33221), (173, 33275), (179, 33287),

Gene: TClif_68 Start: 43725, Stop: 43964, Start Num: 115
Candidate Starts for TClif_68:
(Start: 115 @43725 has 156 MA's), (Start: 119 @43734 has 9 MA's), (148, 43815), (176, 43884), (203, 43932),

Gene: TM4_67 Start: 40730, Stop: 40975, Start Num: 115
Candidate Starts for TM4_67:
(4, 39989), (63, 40673), (66, 40679), (Start: 115 @40730 has 156 MA's), (148, 40820), (176, 40889),
(194, 40913), (214, 40967),

Gene: TMaxx_3 Start: 937, Stop: 1194, Start Num: 112
Candidate Starts for TMaxx_3:
(55, 838), (59, 850), (Start: 112 @937 has 172 MA's),

Gene: TZGordon_64 Start: 38982, Stop: 39206, Start Num: 111
Candidate Starts for TZGordon_64:
(Start: 111 @38982 has 84 MA's), (Start: 131 @39024 has 1 MA's), (148, 39069), (153, 39078), (173, 39129), (176, 39138),

Gene: Tachez_66 Start: 43467, Stop: 43709, Start Num: 115
Candidate Starts for Tachez_66:
(Start: 115 @43467 has 156 MA's), (148, 43557), (194, 43653), (203, 43677),

Gene: TaiwanKao_69 Start: 44172, Stop: 44417, Start Num: 115
Candidate Starts for TaiwanKao_69:
(Start: 115 @44172 has 156 MA's), (148, 44262), (194, 44358), (213, 44409),

Gene: Talia1610_108 Start: 86506, Stop: 86754, Start Num: 112
Candidate Starts for Talia1610_108:
(Start: 112 @86506 has 172 MA's), (Start: 116 @86512 has 1 MA's), (Start: 119 @86518 has 9 MA's),

Gene: Tallboi_33 Start: 25971, Stop: 26237, Start Num: 91
Candidate Starts for Tallboi_33:
(19, 25716), (26, 25752), (Start: 91 @25971 has 4 MA's), (176, 26154),

Gene: Tapioca_52 Start: 34891, Stop: 35139, Start Num: 106
Candidate Starts for Tapioca_52:
(Start: 106 @34891 has 36 MA's), (Start: 116 @34903 has 1 MA's), (175, 35053), (176, 35056), (210, 35131),

Gene: Target_64 Start: 41123, Stop: 40848, Start Num: 76
Candidate Starts for Target_64:
(Start: 75 @41126 has 29 MA's), (Start: 76 @41123 has 228 MA's), (Start: 83 @41111 has 5 MA's),
(Start: 119 @41081 has 9 MA's), (137, 41030), (141, 41015), (151, 40994), (163, 40964), (175, 40934),
(210, 40859),

Gene: Tarkin_39 Start: 34124, Stop: 34369, Start Num: 112
Candidate Starts for Tarkin_39:
(Start: 112 @34124 has 172 MA's), (Start: 136 @34181 has 3 MA's), (148, 34214), (150, 34220), (173, 34274), (179, 34286),

Gene: Tbone_32 Start: 24550, Stop: 24816, Start Num: 95
Candidate Starts for Tbone_32:
(19, 24292), (26, 24328), (Start: 95 @24550 has 26 MA's), (176, 24733),

Gene: TeardropMSU_36 Start: 33035, Stop: 33280, Start Num: 112
Candidate Starts for TeardropMSU_36:
(Start: 112 @33035 has 172 MA's), (Start: 136 @33092 has 3 MA's), (148, 33125), (150, 33131), (173, 33185), (179, 33197),

Gene: Teaspoon_38 Start: 33088, Stop: 33333, Start Num: 112
Candidate Starts for Teaspoon_38:
(Start: 112 @33088 has 172 MA's), (Start: 136 @33145 has 3 MA's), (148, 33178), (150, 33184), (173, 33238), (179, 33250),

Gene: Teejan_57 Start: 43554, Stop: 43799, Start Num: 115
Candidate Starts for Teejan_57:
(60, 43482), (Start: 115 @43554 has 156 MA's), (157, 43659), (172, 43701), (194, 43737),

Gene: Teodoridan_60 Start: 40295, Stop: 40029, Start Num: 76
Candidate Starts for Teodoridan_60:
(Start: 76 @40295 has 228 MA's), (Start: 83 @40283 has 5 MA's), (Start: 119 @40262 has 9 MA's),
(137, 40211), (141, 40196), (151, 40175), (163, 40145), (175, 40115),

Gene: Terminus_37 Start: 33222, Stop: 33467, Start Num: 112
Candidate Starts for Terminus_37:
(Start: 112 @33222 has 172 MA's), (Start: 136 @33279 has 3 MA's), (148, 33312), (150, 33318), (173, 33372), (179, 33384),

Gene: TforTroy_34 Start: 25368, Stop: 25634, Start Num: 95

Candidate Starts for TforTroy_34:

(Start: 95 @25368 has 26 MA's), (176, 25551),

Gene: TheloniousMonk_65 Start: 43428, Stop: 43162, Start Num: 76

Candidate Starts for TheloniousMonk_65:

(Start: 75 @43431 has 29 MA's), (Start: 76 @43428 has 228 MA's), (Start: 83 @43416 has 5 MA's), (Start: 121 @43392 has 1 MA's), (Start: 136 @43347 has 3 MA's), (141, 43329), (163, 43278), (201, 43203), (210, 43173),

Gene: Thibault_45 Start: 41387, Stop: 41626, Start Num: 119

Candidate Starts for Thibault_45:

(Start: 119 @41387 has 9 MA's), (Start: 129 @41414 has 1 MA's), (148, 41468), (149, 41471), (175, 41528), (194, 41564),

Gene: Thimble_37 Start: 32085, Stop: 32330, Start Num: 112

Candidate Starts for Thimble_37:

(Start: 112 @32085 has 172 MA's), (Start: 136 @32142 has 3 MA's), (148, 32175), (150, 32181), (173, 32235), (179, 32247),

Gene: Thonko_81 Start: 61339, Stop: 61569, Start Num: 118

Candidate Starts for Thonko_81:

(46, 61228), (Start: 80 @61303 has 2 MA's), (Start: 118 @61339 has 1 MA's), (178, 61489),

Gene: Thor_61 Start: 40522, Stop: 40256, Start Num: 76

Candidate Starts for Thor_61:

(Start: 75 @40525 has 29 MA's), (Start: 76 @40522 has 228 MA's), (Start: 83 @40510 has 5 MA's), (Start: 116 @40495 has 1 MA's), (Start: 119 @40489 has 9 MA's), (137, 40438), (141, 40423), (151, 40402), (163, 40372), (175, 40342), (210, 40267),

Gene: ThreeRngTarjay_50 Start: 44296, Stop: 44541, Start Num: 112

Candidate Starts for ThreeRngTarjay_50:

(Start: 112 @44296 has 172 MA's), (137, 44359), (148, 44389), (149, 44392), (176, 44452), (179, 44455), (180, 44458),

Gene: Thresher_38 Start: 33889, Stop: 34134, Start Num: 112

Candidate Starts for Thresher_38:

(Start: 112 @33889 has 172 MA's), (Start: 136 @33946 has 3 MA's), (148, 33979), (150, 33985), (173, 34039), (179, 34051),

Gene: Thyatira_63 Start: 44764, Stop: 45012, Start Num: 115

Candidate Starts for Thyatira_63:

(Start: 115 @44764 has 156 MA's), (141, 44839), (172, 44911), (184, 44935),

Gene: Tian_33 Start: 26378, Stop: 26620, Start Num: 96

Candidate Starts for Tian_33:

(Start: 96 @26378 has 5 MA's),

Gene: Tierra_70 Start: 44265, Stop: 44504, Start Num: 115

Candidate Starts for Tierra_70:

(63, 44181), (Start: 115 @44265 has 156 MA's), (Start: 119 @44274 has 9 MA's), (148, 44355), (171, 44409),

Gene: Timothy_57 Start: 37302, Stop: 37030, Start Num: 76
Candidate Starts for Timothy_57:
(Start: 76 @37302 has 228 MA's), (Start: 106 @37293 has 36 MA's), (178, 37122),

Gene: TinaLin_62 Start: 38825, Stop: 39049, Start Num: 111
Candidate Starts for TinaLin_62:
(Start: 111 @38825 has 84 MA's), (Start: 131 @38867 has 1 MA's), (148, 38912), (153, 38921), (173, 38972), (176, 38981), (193, 39002),

Gene: TingHuaYa_70 Start: 43428, Stop: 43676, Start Num: 115
Candidate Starts for TingHuaYa_70:
(Start: 115 @43428 has 156 MA's), (148, 43518), (194, 43614), (203, 43638),

Gene: TiniBug_67 Start: 44358, Stop: 44600, Start Num: 115
Candidate Starts for TiniBug_67:
(Start: 115 @44358 has 156 MA's), (148, 44448), (194, 44544), (203, 44568),

Gene: TinyTimmy_57 Start: 37351, Stop: 37079, Start Num: 76
Candidate Starts for TinyTimmy_57:
(Start: 76 @37351 has 228 MA's), (Start: 106 @37342 has 36 MA's), (178, 37171),

Gene: TipsytheTRex_54 Start: 37698, Stop: 37426, Start Num: 76
Candidate Starts for TipsytheTRex_54:
(43, 37770), (49, 37758), (Start: 76 @37698 has 228 MA's), (Start: 116 @37677 has 1 MA's), (Start: 119 @37671 has 9 MA's), (166, 37548), (171, 37536),

Gene: Tiri_67 Start: 43756, Stop: 43998, Start Num: 115
Candidate Starts for Tiri_67:
(Start: 115 @43756 has 156 MA's), (Start: 131 @43801 has 1 MA's), (148, 43846), (194, 43942),

Gene: Toaka_58 Start: 38206, Stop: 37934, Start Num: 76
Candidate Starts for Toaka_58:
(Start: 76 @38206 has 228 MA's), (Start: 106 @38197 has 36 MA's), (166, 38056), (173, 38038),

Gene: Tomaszewski_36 Start: 32732, Stop: 32977, Start Num: 112
Candidate Starts for Tomaszewski_36:
(Start: 112 @32732 has 172 MA's), (Start: 136 @32789 has 3 MA's), (148, 32822), (150, 32828), (171, 32876), (173, 32882), (179, 32894),

Gene: Tomathan_60 Start: 38318, Stop: 38046, Start Num: 76
Candidate Starts for Tomathan_60:
(Start: 76 @38318 has 228 MA's), (Start: 106 @38309 has 36 MA's), (147, 38216), (178, 38138), (203, 38084),

Gene: Toniann_125 Start: 71160, Stop: 71450, Start Num: 101
Candidate Starts for Toniann_125:
(49, 71052), (53, 71067), (73, 71112), (Start: 101 @71160 has 7 MA's), (Start: 128 @71205 has 2 MA's), (175, 71334),

Gene: Topper_66 Start: 43622, Stop: 43864, Start Num: 115
Candidate Starts for Topper_66:
(Start: 115 @43622 has 156 MA's), (148, 43712), (194, 43808), (203, 43832),

Gene: Torres_57 Start: 43555, Stop: 43800, Start Num: 115
Candidate Starts for Torres_57:
(60, 43483), (Start: 115 @43555 has 156 MA's), (157, 43660), (172, 43702), (194, 43738),

Gene: Tortoise12_50 Start: 33608, Stop: 33856, Start Num: 106
Candidate Starts for Tortoise12_50:
(12, 33194), (27, 33401), (33, 33434), (62, 33530), (Start: 106 @33608 has 36 MA's), (Start: 116 @33620 has 1 MA's), (Start: 119 @33626 has 9 MA's), (148, 33704), (175, 33770), (176, 33773),

Gene: Tote_58 Start: 38354, Stop: 38079, Start Num: 76
Candidate Starts for Tote_58:
(Start: 75 @38357 has 29 MA's), (Start: 76 @38354 has 228 MA's), (Start: 83 @38342 has 5 MA's), (Start: 119 @38312 has 9 MA's), (137, 38261), (141, 38246), (151, 38225), (163, 38195), (175, 38165),

Gene: Toto_37 Start: 33135, Stop: 33380, Start Num: 112
Candidate Starts for Toto_37:
(Start: 112 @33135 has 172 MA's), (Start: 136 @33192 has 3 MA's), (148, 33225), (150, 33231), (173, 33285), (179, 33297),

Gene: Tourach_32 Start: 28413, Stop: 28679, Start Num: 111
Candidate Starts for Tourach_32:
(Start: 111 @28413 has 84 MA's), (Start: 130 @28458 has 7 MA's), (149, 28509), (210, 28647), (220, 28668),

Gene: Towmatter_78 Start: 53043, Stop: 52786, Start Num: 99
Candidate Starts for Towmatter_78:
(72, 53094), (77, 53079), (82, 53070), (84, 53067), (Start: 99 @53043 has 17 MA's), (176, 52872),

Gene: Traaww1_35 Start: 32773, Stop: 33018, Start Num: 112
Candidate Starts for Traaww1_35:
(Start: 112 @32773 has 172 MA's), (Start: 136 @32830 has 3 MA's), (148, 32863), (150, 32869), (173, 32923), (179, 32935),

Gene: Traft412_64 Start: 41743, Stop: 41486, Start Num: 86
Candidate Starts for Traft412_64:
(Start: 86 @41743 has 10 MA's), (Start: 116 @41725 has 1 MA's), (Start: 119 @41719 has 9 MA's), (137, 41668), (141, 41653), (151, 41632), (163, 41602), (175, 41572),

Gene: Travvers_60 Start: 38268, Stop: 37996, Start Num: 76
Candidate Starts for Travvers_60:
(Start: 76 @38268 has 228 MA's), (Start: 106 @38259 has 36 MA's), (147, 38166), (178, 38088), (203, 38034),

Gene: TreyKay_68 Start: 44110, Stop: 44352, Start Num: 115
Candidate Starts for TreyKay_68:
(Start: 115 @44110 has 156 MA's), (148, 44200), (194, 44296),

Gene: TriFive_31 Start: 28796, Stop: 29050, Start Num: 119
Candidate Starts for TriFive_31:
(Start: 111 @28784 has 84 MA's), (Start: 119 @28796 has 9 MA's), (Start: 130 @28829 has 7 MA's),

Gene: TribbleTrouble_68 Start: 44625, Stop: 44867, Start Num: 111
Candidate Starts for TribbleTrouble_68:

(Start: 111 @44625 has 84 MA's), (Start: 128 @44658 has 2 MA's), (148, 44715), (176, 44787),

Gene: Tripl3t_65 Start: 43651, Stop: 43394, Start Num: 86

Candidate Starts for Tripl3t_65:

(Start: 86 @43651 has 10 MA's), (Start: 116 @43633 has 1 MA's), (Start: 119 @43627 has 9 MA's), (137, 43576), (141, 43561), (151, 43540), (163, 43510), (175, 43480), (210, 43405),

Gene: TruffulaTree_67 Start: 43916, Stop: 44158, Start Num: 115

Candidate Starts for TruffulaTree_67:

(Start: 115 @43916 has 156 MA's), (148, 44006), (194, 44102), (203, 44126),

Gene: Tubs_58 Start: 38225, Stop: 37953, Start Num: 76

Candidate Starts for Tubs_58:

(Start: 76 @38225 has 228 MA's), (Start: 106 @38216 has 36 MA's), (Start: 134 @38159 has 1 MA's), (147, 38123), (163, 38084), (173, 38057), (178, 38045),

Gene: Tuck_36 Start: 27187, Stop: 27453, Start Num: 95

Candidate Starts for Tuck_36:

(19, 26950), (21, 26959), (Start: 95 @27187 has 26 MA's),

Gene: Tuco_38 Start: 33643, Stop: 33888, Start Num: 112

Candidate Starts for Tuco_38:

(Start: 112 @33643 has 172 MA's), (Start: 136 @33700 has 3 MA's), (148, 33733), (150, 33739), (173, 33793), (179, 33805),

Gene: Turab_32 Start: 24438, Stop: 24704, Start Num: 91

Candidate Starts for Turab_32:

(8, 23982), (19, 24183), (26, 24219), (Start: 91 @24438 has 4 MA's), (176, 24621),

Gene: Turbido_59 Start: 38719, Stop: 38447, Start Num: 76

Candidate Starts for Turbido_59:

(Start: 76 @38719 has 228 MA's), (Start: 106 @38710 has 36 MA's), (Start: 116 @38698 has 1 MA's), (Start: 119 @38692 has 9 MA's),

Gene: Turj99_60 Start: 42063, Stop: 41797, Start Num: 76

Candidate Starts for Turj99_60:

(Start: 75 @42066 has 29 MA's), (Start: 76 @42063 has 228 MA's), (Start: 83 @42051 has 5 MA's), (Start: 116 @42036 has 1 MA's), (Start: 119 @42030 has 9 MA's), (137, 41979), (141, 41964), (151, 41943), (163, 41913), (175, 41883), (210, 41808),

Gene: Tutumahutu_33 Start: 24722, Stop: 24988, Start Num: 95

Candidate Starts for Tutumahutu_33:

(19, 24464), (26, 24500), (Start: 95 @24722 has 26 MA's), (176, 24905),

Gene: Tweety19_33 Start: 23630, Stop: 23896, Start Num: 80

Candidate Starts for Tweety19_33:

(24, 23420), (25, 23429), (Start: 80 @23630 has 2 MA's), (176, 23813),

Gene: Twitch_66 Start: 43624, Stop: 43866, Start Num: 115

Candidate Starts for Twitch_66:

(Start: 115 @43624 has 156 MA's), (148, 43714), (194, 43810), (203, 43834),

Gene: TwoPeat_63 Start: 41915, Stop: 41649, Start Num: 76

Candidate Starts for TwoPeat_63:

(Start: 75 @41918 has 29 MA's), (Start: 76 @41915 has 228 MA's), (Start: 83 @41903 has 5 MA's), (Start: 116 @41888 has 1 MA's), (Start: 119 @41882 has 9 MA's), (137, 41831), (141, 41816), (151, 41795), (163, 41765), (175, 41735),

Gene: TyDawg_39 Start: 32762, Stop: 33040, Start Num: 98

Candidate Starts for TyDawg_39:

(44, 32651), (Start: 98 @32762 has 11 MA's), (Start: 112 @32780 has 172 MA's), (137, 32843), (172, 32930), (175, 32939), (179, 32948),

Gene: Tyson_30 Start: 27735, Stop: 27959, Start Num: 130

Candidate Starts for Tyson_30:

(Start: 111 @27690 has 84 MA's), (Start: 130 @27735 has 7 MA's), (175, 27843),

Gene: UPIE_30 Start: 27688, Stop: 27957, Start Num: 111

Candidate Starts for UPIE_30:

(Start: 111 @27688 has 84 MA's), (Start: 130 @27733 has 7 MA's), (175, 27841),

Gene: Ugenie5_55 Start: 38510, Stop: 38238, Start Num: 76

Candidate Starts for Ugenie5_55:

(Start: 76 @38510 has 228 MA's), (Start: 106 @38501 has 36 MA's), (Start: 134 @38444 has 1 MA's), (147, 38408), (163, 38369), (173, 38342), (178, 38330),

Gene: Ukulele_37 Start: 32893, Stop: 33138, Start Num: 112

Candidate Starts for Ukulele_37:

(Start: 112 @32893 has 172 MA's), (Start: 136 @32950 has 3 MA's), (148, 32983), (150, 32989), (173, 33043), (179, 33055),

Gene: Underpass_32 Start: 28469, Stop: 28690, Start Num: 130

Candidate Starts for Underpass_32:

(Start: 111 @28424 has 84 MA's), (Start: 130 @28469 has 7 MA's), (149, 28520), (180, 28586), (210, 28658), (220, 28679),

Gene: Unicorn_68 Start: 43391, Stop: 43630, Start Num: 115

Candidate Starts for Unicorn_68:

(Start: 115 @43391 has 156 MA's), (Start: 119 @43400 has 9 MA's), (148, 43481), (176, 43550),

Gene: Urkel_67 Start: 44362, Stop: 44604, Start Num: 115

Candidate Starts for Urkel_67:

(Start: 115 @44362 has 156 MA's), (148, 44452), (194, 44548), (203, 44572),

Gene: UtzChips_41 Start: 26893, Stop: 27153, Start Num: 97

Candidate Starts for UtzChips_41:

(36, 26767), (Start: 97 @26893 has 10 MA's),

Gene: VC3_61 Start: 38705, Stop: 38394, Start Num: 56

Candidate Starts for VC3_61:

(Start: 56 @38705 has 4 MA's), (Start: 76 @38666 has 228 MA's), (Start: 106 @38657 has 36 MA's), (147, 38564), (166, 38516), (178, 38486),

Gene: VResidence_33 Start: 24693, Stop: 24935, Start Num: 114

Candidate Starts for VResidence_33:

(Start: 114 @24693 has 5 MA's), (135, 24747), (178, 24855),

Gene: Validus_71 Start: 44494, Stop: 44733, Start Num: 113

Candidate Starts for Validus_71:

(Start: 113 @44494 has 5 MA's), (148, 44584), (171, 44638),

Gene: Vanisoa_58 Start: 39326, Stop: 39054, Start Num: 76

Candidate Starts for Vanisoa_58:

(Start: 76 @39326 has 228 MA's), (Start: 106 @39317 has 36 MA's), (Start: 134 @39260 has 1 MA's), (147, 39224), (166, 39176), (178, 39146), (182, 39137),

Gene: Veliki_68 Start: 43889, Stop: 44131, Start Num: 115

Candidate Starts for Veliki_68:

(Start: 115 @43889 has 156 MA's), (148, 43979), (194, 44075), (203, 44099),

Gene: Vendetta_63 Start: 40094, Stop: 40318, Start Num: 111

Candidate Starts for Vendetta_63:

(Start: 111 @40094 has 84 MA's), (Start: 131 @40136 has 1 MA's), (148, 40181), (153, 40190), (173, 40241), (176, 40250),

Gene: Vetrix_32 Start: 28428, Stop: 28694, Start Num: 111

Candidate Starts for Vetrix_32:

(Start: 111 @28428 has 84 MA's), (Start: 130 @28473 has 7 MA's), (149, 28524), (180, 28590), (210, 28662), (220, 28683),

Gene: Vibaki_39 Start: 33279, Stop: 33614, Start Num: 87

Candidate Starts for Vibaki_39:

(Start: 87 @33279 has 1 MA's), (Start: 94 @33294 has 1 MA's), (184, 33507), (186, 33510), (218, 33585),

Gene: Violet_60 Start: 42922, Stop: 42656, Start Num: 76

Candidate Starts for Violet_60:

(Start: 75 @42925 has 29 MA's), (Start: 76 @42922 has 228 MA's), (Start: 83 @42910 has 5 MA's), (Start: 119 @42889 has 9 MA's), (137, 42838), (141, 42823), (151, 42802), (163, 42772), (175, 42742),

Gene: Vitus_40 Start: 32270, Stop: 32614, Start Num: 87

Candidate Starts for Vitus_40:

(15, 31940), (Start: 87 @32270 has 1 MA's), (Start: 94 @32285 has 1 MA's), (132, 32351), (142, 32381), (162, 32438), (181, 32492), (184, 32504), (218, 32582),

Gene: ViviJ_58 Start: 40530, Stop: 40778, Start Num: 115

Candidate Starts for ViviJ_58:

(Start: 115 @40530 has 156 MA's), (164, 40662), (176, 40692), (198, 40725),

Gene: Volt_121 Start: 57210, Stop: 57449, Start Num: 117

Candidate Starts for Volt_121:

(Start: 117 @57210 has 6 MA's), (165, 57333), (196, 57405), (199, 57408),

Gene: WaddleDee_101 Start: 82115, Stop: 82375, Start Num: 112

Candidate Starts for WaddleDee_101:

(Start: 112 @82115 has 172 MA's), (190, 82304), (203, 82334), (204, 82337),

Gene: Waits_64 Start: 37663, Stop: 37394, Start Num: 100

Candidate Starts for Waits_64:

(7, 38107), (11, 38083), (14, 38005), (Start: 100 @37663 has 38 MA's), (178, 37486),

Gene: Wamburgexpress_30 Start: 27703, Stop: 27972, Start Num: 111

Candidate Starts for Wamburgexpress_30:

(Start: 111 @27703 has 84 MA's), (Start: 130 @27748 has 7 MA's), (175, 27856),

Gene: Wanda_58 Start: 44007, Stop: 44255, Start Num: 112

Candidate Starts for Wanda_58:

(Start: 112 @44007 has 172 MA's), (166, 44139),

Gene: Warda_33 Start: 24726, Stop: 24992, Start Num: 95

Candidate Starts for Warda_33:

(19, 24468), (26, 24504), (Start: 95 @24726 has 26 MA's), (176, 24909),

Gene: Warrior24_67 Start: 38097, Stop: 37828, Start Num: 100

Candidate Starts for Warrior24_67:

(Start: 100 @38097 has 38 MA's), (178, 37920),

Gene: WaterT_52 Start: 33281, Stop: 33520, Start Num: 115

Candidate Starts for WaterT_52:

(Start: 115 @33281 has 156 MA's), (137, 33338), (147, 33365), (150, 33374),

Gene: Waterfoul_62 Start: 42861, Stop: 43109, Start Num: 115

Candidate Starts for Waterfoul_62:

(Start: 115 @42861 has 156 MA's), (141, 42936), (172, 43008), (184, 43032),

Gene: Weiss13_40 Start: 36088, Stop: 36333, Start Num: 125

Candidate Starts for Weiss13_40:

(Start: 104 @36046 has 11 MA's), (Start: 125 @36088 has 9 MA's), (132, 36109), (140, 36130), (147, 36154), (148, 36157), (185, 36256), (187, 36259), (189, 36262),

Gene: Whabigail7_59 Start: 38704, Stop: 38432, Start Num: 76

Candidate Starts for Whabigail7_59:

(Start: 76 @38704 has 228 MA's), (Start: 106 @38695 has 36 MA's), (Start: 116 @38683 has 1 MA's), (Start: 119 @38677 has 9 MA's), (166, 38554),

Gene: Wheeler_64 Start: 41819, Stop: 41544, Start Num: 76

Candidate Starts for Wheeler_64:

(Start: 76 @41819 has 228 MA's), (Start: 83 @41807 has 5 MA's), (137, 41726), (141, 41711), (151, 41690), (163, 41660), (175, 41630), (210, 41555),

Gene: Whirlwind_32 Start: 28525, Stop: 28791, Start Num: 111

Candidate Starts for Whirlwind_32:

(85, 28486), (Start: 111 @28525 has 84 MA's), (Start: 119 @28537 has 9 MA's), (Start: 130 @28570 has 7 MA's), (148, 28618),

Gene: Wiggin_40 Start: 33639, Stop: 33884, Start Num: 112

Candidate Starts for Wiggin_40:

(Start: 112 @33639 has 172 MA's), (Start: 136 @33696 has 3 MA's), (148, 33729), (150, 33735), (173, 33789), (179, 33801),

Gene: Wigglewigggle_32 Start: 28454, Stop: 28720, Start Num: 111

Candidate Starts for Wigglewigggle_32:

(Start: 111 @28454 has 84 MA's), (Start: 130 @28499 has 7 MA's), (149, 28550), (180, 28616), (210, 28688), (220, 28709),

Gene: Wildcat_53 Start: 39356, Stop: 39604, Start Num: 112

Candidate Starts for Wildcat_53:

(Start: 112 @39356 has 172 MA's), (143, 39437), (163, 39485), (176, 39518), (178, 39521), (179, 39524), (194, 39557), (206, 39593),

Gene: Wilder_32 Start: 28427, Stop: 28693, Start Num: 111

Candidate Starts for Wilder_32:

(Start: 111 @28427 has 84 MA's), (Start: 130 @28472 has 7 MA's), (149, 28523), (180, 28589), (210, 28661), (220, 28682),

Gene: Wildwest_33 Start: 24524, Stop: 24790, Start Num: 95

Candidate Starts for Wildwest_33:

(19, 24266), (26, 24302), (Start: 95 @24524 has 26 MA's), (176, 24707),

Gene: Willez_36 Start: 32639, Stop: 32884, Start Num: 112

Candidate Starts for Willez_36:

(Start: 112 @32639 has 172 MA's), (Start: 136 @32696 has 3 MA's), (148, 32729), (150, 32735), (173, 32789), (179, 32801),

Gene: WilliamBoone_123 Start: 68402, Stop: 68692, Start Num: 101

Candidate Starts for WilliamBoone_123:

(62, 68330), (Start: 101 @68402 has 7 MA's), (175, 68576), (178, 68582),

Gene: Winky_32 Start: 28422, Stop: 28688, Start Num: 111

Candidate Starts for Winky_32:

(Start: 111 @28422 has 84 MA's), (Start: 130 @28467 has 7 MA's), (149, 28518), (180, 28584), (210, 28656), (220, 28677),

Gene: Wyatt2_30 Start: 27690, Stop: 27959, Start Num: 111

Candidate Starts for Wyatt2_30:

(Start: 111 @27690 has 84 MA's), (Start: 130 @27735 has 7 MA's), (175, 27843),

Gene: Xandras_39 Start: 33125, Stop: 33370, Start Num: 112

Candidate Starts for Xandras_39:

(Start: 112 @33125 has 172 MA's), (Start: 136 @33182 has 3 MA's), (148, 33215), (150, 33221), (173, 33275), (179, 33287),

Gene: Xerxes_50 Start: 34922, Stop: 35170, Start Num: 106

Candidate Starts for Xerxes_50:

(12, 34508), (27, 34715), (33, 34748), (62, 34844), (Start: 106 @34922 has 36 MA's), (Start: 116 @34934 has 1 MA's), (Start: 119 @34940 has 9 MA's), (148, 35018), (175, 35084), (176, 35087),

Gene: Ximenita_72 Start: 44093, Stop: 44332, Start Num: 115

Candidate Starts for Ximenita_72:

(63, 44009), (Start: 115 @44093 has 156 MA's), (Start: 119 @44102 has 9 MA's), (148, 44183), (176, 44252),

Gene: Yang_33 Start: 24867, Stop: 25133, Start Num: 95

Candidate Starts for Yang_33:

(19, 24609), (26, 24645), (Start: 95 @24867 has 26 MA's), (176, 25050),

Gene: Yappy_50 Start: 13369, Stop: 13620, Start Num: 88

Candidate Starts for Yappy_50:

(Start: 88 @13369 has 1 MA's), (Start: 112 @13402 has 172 MA's), (Start: 119 @13414 has 9 MA's),
(Start: 131 @13447 has 1 MA's), (142, 13480),

Gene: YassJohnny_38 Start: 33650, Stop: 33895, Start Num: 112

Candidate Starts for YassJohnny_38:

(Start: 112 @33650 has 172 MA's), (Start: 136 @33707 has 3 MA's), (148, 33740), (150, 33746), (173,
33800), (179, 33812),

Gene: Yecey3_59 Start: 38093, Stop: 37821, Start Num: 76

Candidate Starts for Yecey3_59:

(Start: 76 @38093 has 228 MA's), (Start: 106 @38084 has 36 MA's), (Start: 134 @38027 has 1 MA's),
(147, 37991), (166, 37943), (173, 37925),

Gene: Yeet_50 Start: 43428, Stop: 43673, Start Num: 112

Candidate Starts for Yeet_50:

(Start: 112 @43428 has 172 MA's), (137, 43491), (148, 43521), (149, 43524), (176, 43584), (179,
43587), (180, 43590),

Gene: Yelo_40 Start: 36381, Stop: 36626, Start Num: 125

Candidate Starts for Yelo_40:

(Start: 104 @36339 has 11 MA's), (Start: 125 @36381 has 9 MA's), (132, 36402), (140, 36423), (148,
36450), (185, 36549), (187, 36552), (189, 36555), (206, 36606),

Gene: YesChef_33 Start: 24727, Stop: 24969, Start Num: 95

Candidate Starts for YesChef_33:

(Start: 95 @24727 has 26 MA's), (176, 24886),

Gene: Yotsuba_51 Start: 37228, Stop: 37476, Start Num: 109

Candidate Starts for Yotsuba_51:

(Start: 109 @37228 has 10 MA's), (150, 37327), (154, 37333), (175, 37387), (176, 37390), (179,
37396), (212, 37465),

Gene: Youngblood_37 Start: 33295, Stop: 33540, Start Num: 112

Candidate Starts for Youngblood_37:

(Start: 112 @33295 has 172 MA's), (Start: 136 @33352 has 3 MA's), (148, 33385), (150, 33391), (171,
33439), (173, 33445), (179, 33457),

Gene: YoureAdopted_66 Start: 44035, Stop: 44277, Start Num: 115

Candidate Starts for YoureAdopted_66:

(Start: 115 @44035 has 156 MA's), (148, 44125), (194, 44221), (203, 44245),

Gene: Yuna_71 Start: 45201, Stop: 45449, Start Num: 113

Candidate Starts for Yuna_71:

(64, 45129), (Start: 113 @45201 has 5 MA's), (148, 45291), (172, 45351), (203, 45411),

Gene: Yunkel11_71 Start: 43949, Stop: 44191, Start Num: 115

Candidate Starts for Yunkel11_71:

(60, 43871), (Start: 115 @43949 has 156 MA's), (194, 44135),

Gene: Yvonnetastic_129 Start: 73454, Stop: 73753, Start Num: 99

Candidate Starts for Yvonnetastic_129:

(Start: 99 @73454 has 17 MA's), (Start: 131 @73514 has 1 MA's), (147, 73556), (150, 73565), (163, 73601), (175, 73631),

Gene: Zabiza_61 Start: 39772, Stop: 40014, Start Num: 115

Candidate Starts for Zabiza_61:

(Start: 115 @39772 has 156 MA's), (148, 39862), (194, 39958), (203, 39982),

Gene: Zakai_32 Start: 28678, Stop: 28944, Start Num: 111

Candidate Starts for Zakai_32:

(Start: 111 @28678 has 84 MA's), (Start: 130 @28723 has 7 MA's), (180, 28840), (220, 28933),

Gene: Zaria_30 Start: 27704, Stop: 27973, Start Num: 111

Candidate Starts for Zaria_30:

(Start: 111 @27704 has 84 MA's), (Start: 130 @27749 has 7 MA's), (175, 27857),

Gene: Zavala_69 Start: 44194, Stop: 44436, Start Num: 115

Candidate Starts for Zavala_69:

(Start: 115 @44194 has 156 MA's), (148, 44284), (194, 44380), (203, 44404),

Gene: Zelink_53 Start: 45222, Stop: 45467, Start Num: 112

Candidate Starts for Zelink_53:

(Start: 112 @45222 has 172 MA's), (137, 45285), (148, 45315), (149, 45318), (176, 45378), (179, 45381), (180, 45384),

Gene: Zenon_41 Start: 36400, Stop: 36645, Start Num: 125

Candidate Starts for Zenon_41:

(Start: 104 @36358 has 11 MA's), (Start: 125 @36400 has 9 MA's), (132, 36421), (140, 36442), (148, 36469), (185, 36568), (187, 36571), (189, 36574), (206, 36625),

Gene: Zeta1847_35 Start: 25236, Stop: 25493, Start Num: 97

Candidate Starts for Zeta1847_35:

(1, 24102), (2, 24135), (3, 24270), (32, 25080), (Start: 97 @25236 has 10 MA's), (Start: 128 @25275 has 2 MA's),

Gene: ZhongYanYuan_31 Start: 28288, Stop: 28509, Start Num: 130

Candidate Starts for ZhongYanYuan_31:

(Start: 111 @28243 has 84 MA's), (Start: 130 @28288 has 7 MA's), (149, 28339), (210, 28477), (220, 28498),

Gene: Ziko_119 Start: 57052, Stop: 57291, Start Num: 117

Candidate Starts for Ziko_119:

(Start: 117 @57052 has 6 MA's), (165, 57175), (196, 57247), (199, 57250),

Gene: Zimmer_55 Start: 39223, Stop: 38951, Start Num: 76

Candidate Starts for Zimmer_55:

(58, 39253), (Start: 76 @39223 has 228 MA's), (147, 39121), (166, 39073), (173, 39055), (178, 39043),

Gene: Zion_52 Start: 43958, Stop: 43662, Start Num: 104

Candidate Starts for Zion_52:

(Start: 104 @43958 has 11 MA's), (132, 43895), (171, 43781), (175, 43769), (191, 43736), (215, 43667),

Gene: ZoeJ_68 Start: 45471, Stop: 45716, Start Num: 115

Candidate Starts for ZoeJ_68:

(63, 45414), (66, 45420), (Start: 115 @45471 has 156 MA's), (148, 45561), (163, 45597), (176, 45630),

Gene: Zooman_18 Start: 8314, Stop: 8547, Start Num: 126

Candidate Starts for Zooman_18:

(Start: 126 @8314 has 2 MA's), (156, 8389), (208, 8536),

Gene: Zooman_331 Start: 183965, Stop: 184198, Start Num: 126

Candidate Starts for Zooman_331:

(Start: 126 @183965 has 2 MA's), (156, 184040), (208, 184187),

Gene: xkcd_38 Start: 33304, Stop: 33549, Start Num: 112

Candidate Starts for xkcd_38:

(Start: 112 @33304 has 172 MA's), (Start: 136 @33361 has 3 MA's), (148, 33394), (150, 33400), (173, 33454), (179, 33466),