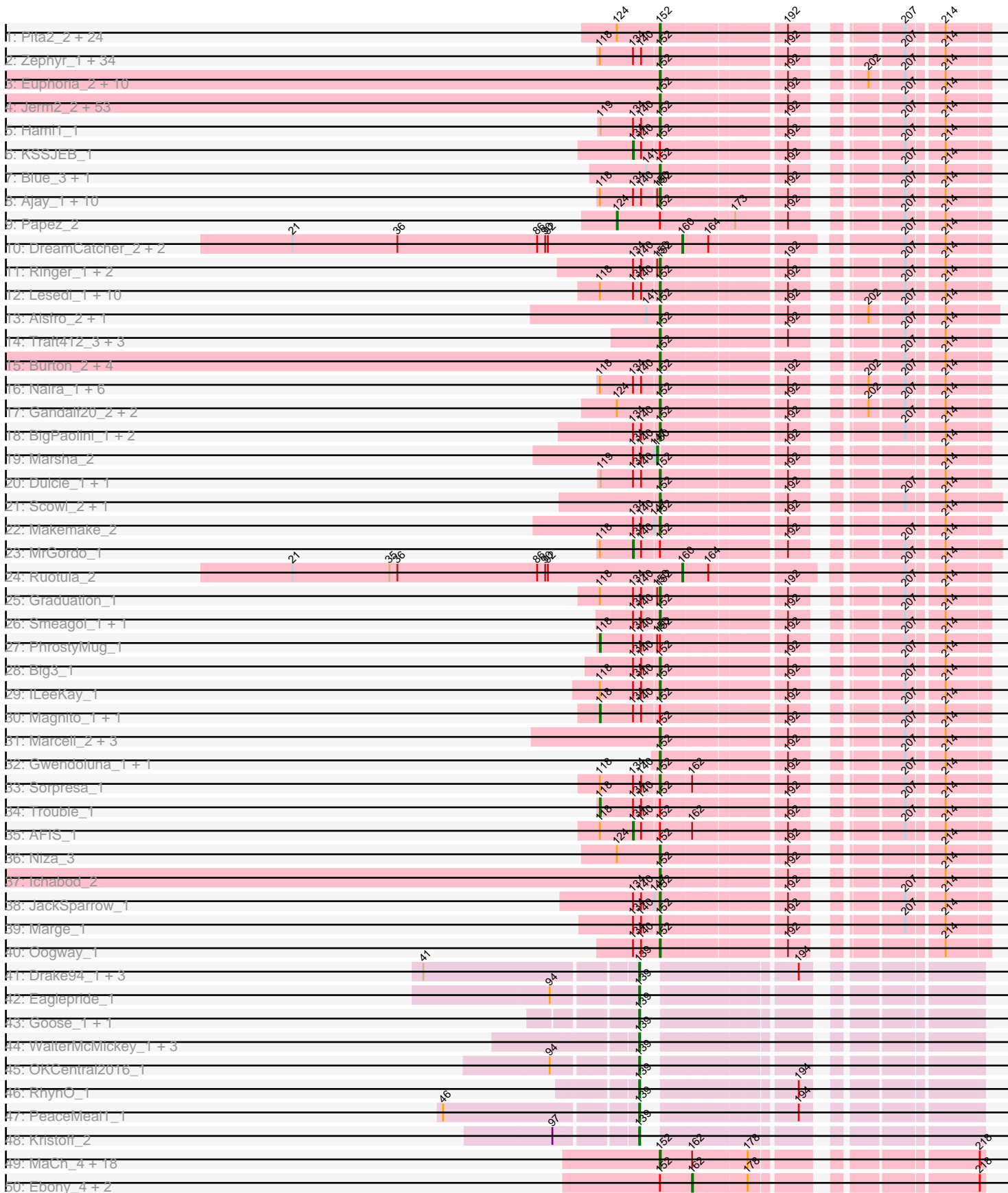
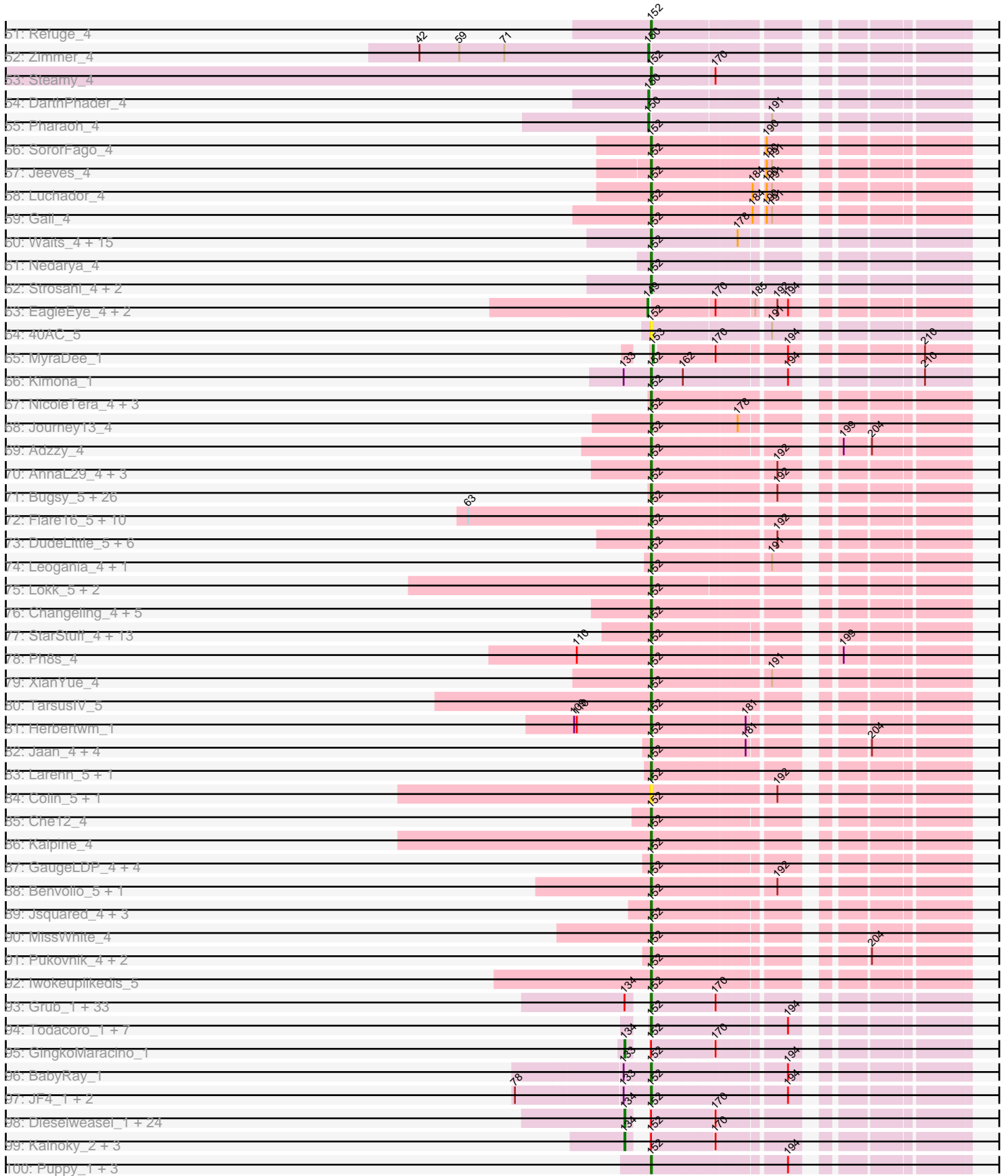


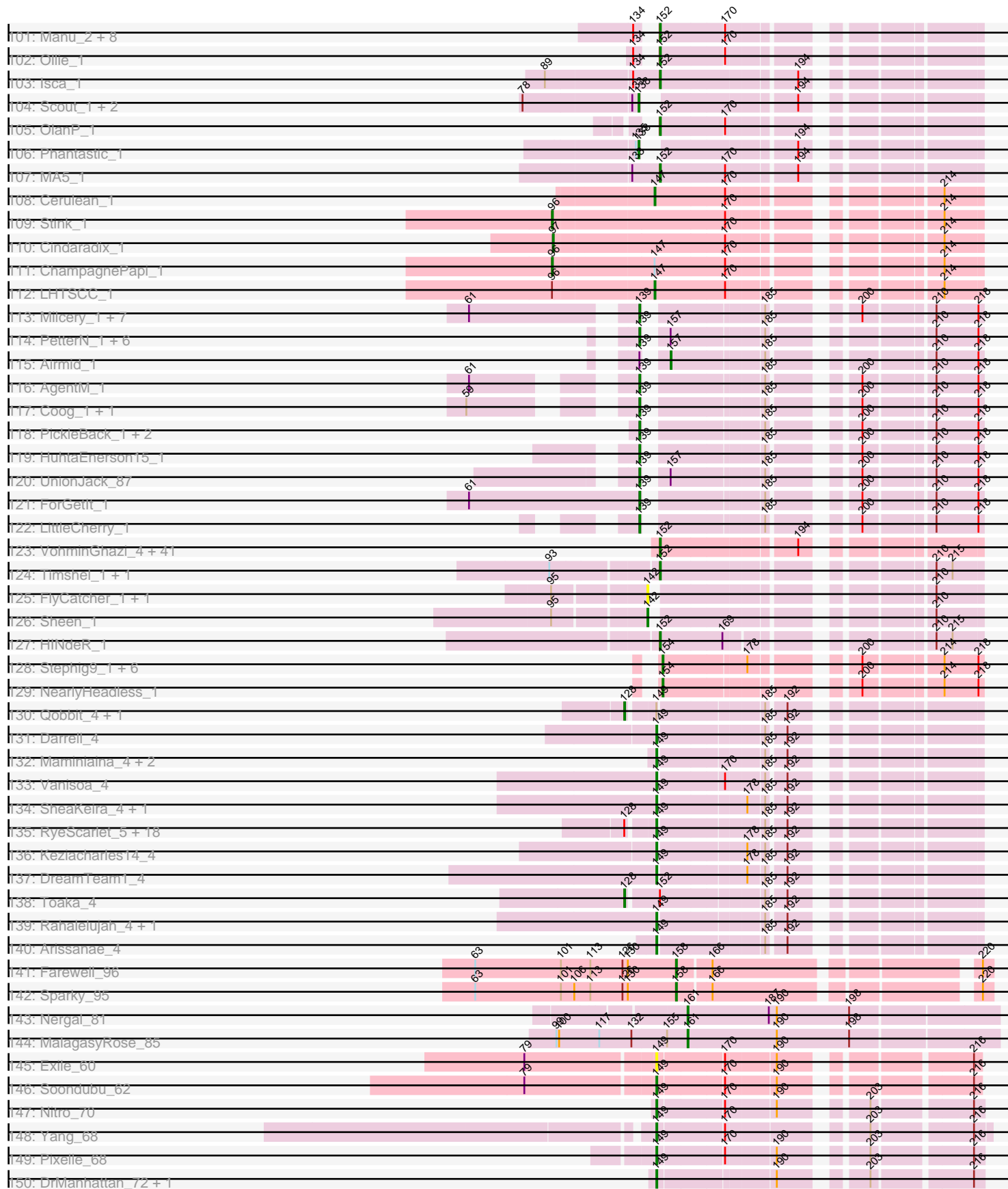
Pham 196158



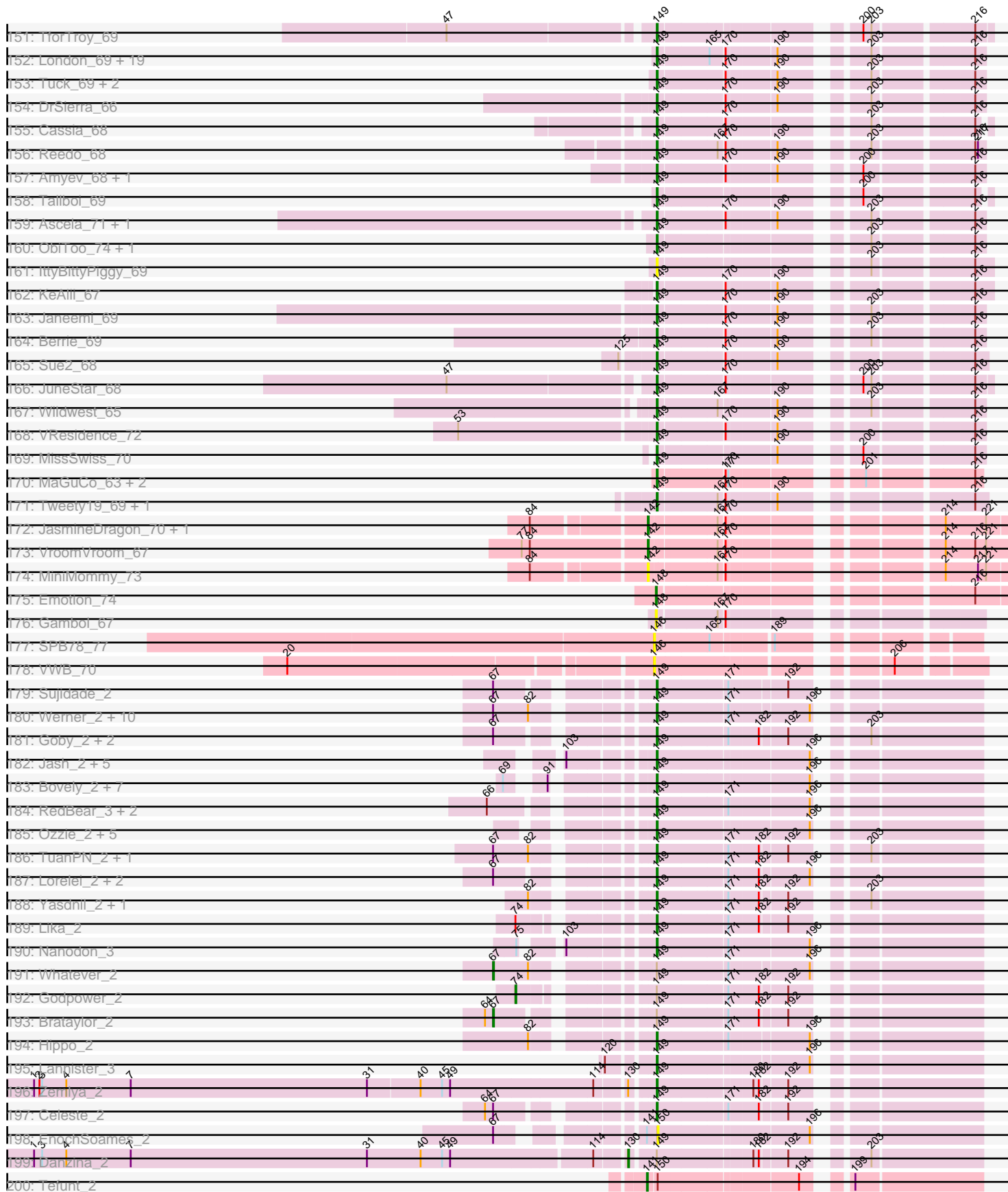
Pham 196158



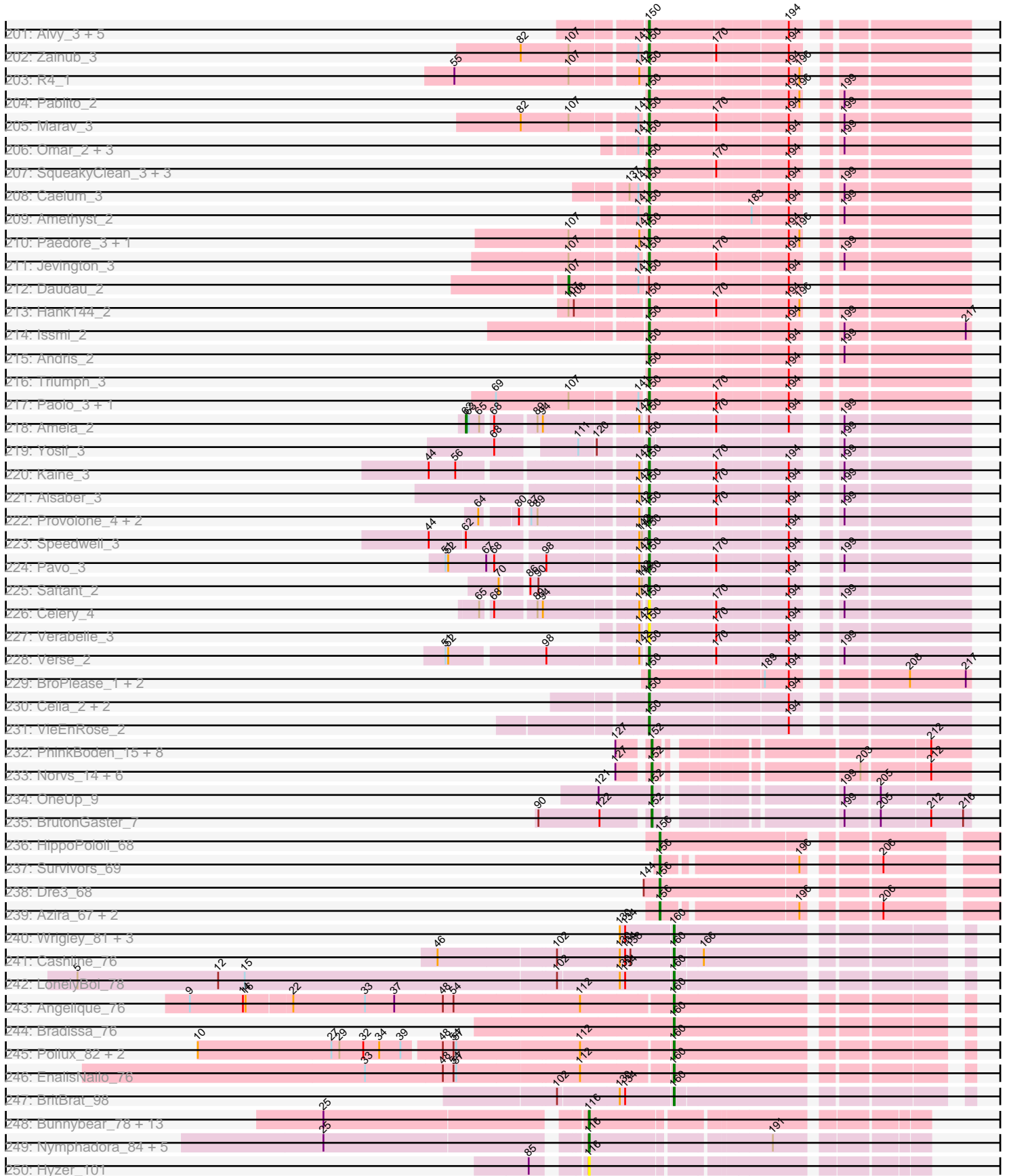
Pham 196158



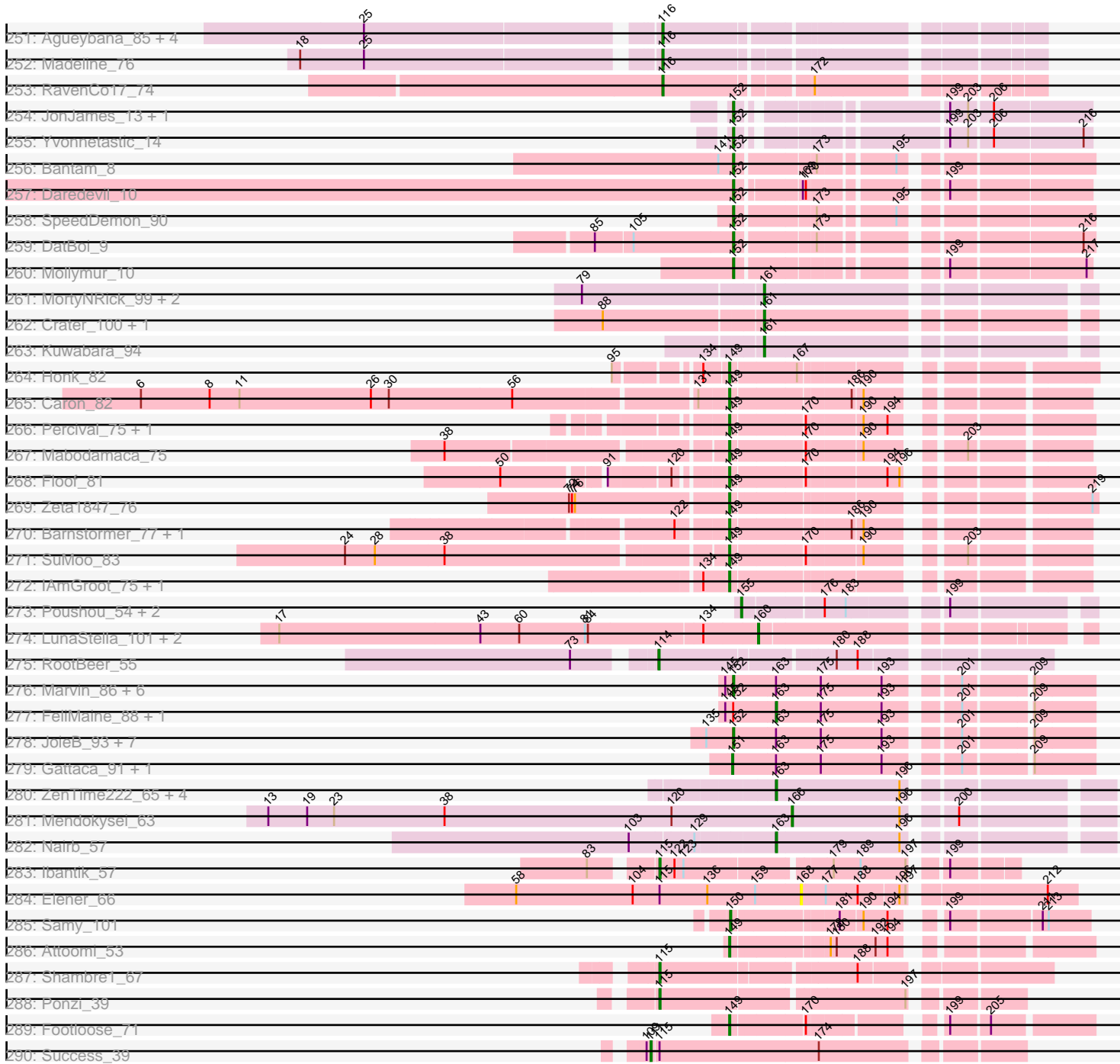
Pham 196158



Pham 196158



Pham 196158



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 196158 Report

This analysis was run 12/09/24 on database version 580.

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

Pham number 196158 has 919 members, 44 are drafts.

Phages represented in each track:

- Track 1 : Pita2_2, PSullivan_2, Bircsak_2, PherrisBueller_2, STLscum_2, PacerPaul_2, Rohr_2, Altman_3, Pepe_2, SkiPole_2, Gompeii16_2, Lopton_2, ConceptII_2, BPBiebs31_2, Kanely_3, Tote_2, TwoPeat_2, KBG_2, Target_2, Jasper_2, Francis47_2, Dreamboat_2, Homines_2, Wheeler_2, JuliaChild_2
- Track 2 : Zephyr_1, Paphu_1, Fascinus_1, Rutherferd_1, Bones_1, Ciao_1, Mkhusei_1, Topgun_1, Michley_1, Maroc7_1, Ashballer_1, Snazzy_1, Parliament_1, DrFeelGood_1, StewieG_1, Nerujay_1, CactusRose_1, Adahisdi_1, Crispicous1_1, Seanderson_1, Cueyllyss_1, Solon_1, Teodoridan_1, Ohno789_1, Sunshine924_1, Bigfoot_1, Wilkins_1, Applejack_1, Killigrew_1, SpikeBT_1, Zeeculate_1, ShortQueendom_1, Tripl3t_1, Kugel_1, Squee_1
- Track 3 : Euphoria_2, Alvin_3, Seabiscuit_2, Abbyshoes_2, Lockley_2, Kenmech_2, Briton15_2, DD5_2, McGuire_2, Dussy_2, BeesKnees_2
- Track 4 : Jerm2_2, MetalQZJ_2, Greg_2, Barriga_2, RidgeCB_2, GrecoEtereo_2, Fushigi_2, Sagefire_2, Chanagan_2, Violet_2, Corvo_2, Bethlehem_2, BigMau_3, Rufus_2, Pippin_2, BillKnuckles_2, Molly_2, Slagathor_2, PascalRango_2, HermioneGrange_2, JC27_2, U2_2, Buttons_2, Lamina13_2, Petp2012_2, Marchy_2, Payneful_2, Thor_2, BaconJack_2, Manatee_2, Licorice_2, MaryBeth_2, Treddle_2, Arlo_2, Dynamix_2, Anglerfish_2, Fajezeel_2, Hermia_2, TheloniousMonk_2, Sibs6_2, PattyP_2, Pari_2, NEHalo_2, Monet_2, Norz_2, Watermelon_2, Switzer_2, Rhynn_1, SarFire_2, HarryOW_2, Arcanine_2, Rubeus_2, Rajelicia_2, Edtherson_2
- Track 5 : Hami1_1
- Track 6 : KSSJEB_1
- Track 7 : Blue_3, Tasp14_2
- Track 8 : Ajay_1, Inyanga_1, Beatrix_1, Bexan_1, StrongArm_1, Smairt_1, Mule_1, Aeneas_1, Zeuska_1, Perseus_1, Hope4ever_1
- Track 9 : Papez_2
- Track 10 : DreamCatcher_2, Sanya_1, Abrogate_20
- Track 11 : Ringer_1, IgnatiusPatJac_1, BluSpix_1
- Track 12 : Lesedi_1, Atkinbua_1, KyMonks1A_1, Turj99_1, Kykar_1, Magnar_1, Eyeball_1, Bxb1_1, Mryolo_1, Paraselene_1, QTRlifeCrisis_1
- Track 13 : Alsfro_2, Carlyle_2
- Track 14 : Traft412_3, Dexes_2, Pelly_2, Acme_2

- Track 15 : Burton_2, MPlant7149_2, Bob3_2, Museum_3, Nhonho_2
- Track 16 : Naira_1, Bruns_1, Fenn_1, Moose_1, PinkPlastic_1, SwissCheese_1, Forsytheast_1
- Track 17 : Gandalf20_2, Jorgensen_2, Espresso_2
- Track 18 : BigPaolini_1, Peterson_1, Doom_1
- Track 19 : Marsha_2
- Track 20 : Dulcie_1, ProMouse_1
- Track 21 : Scowl_2, GageAP_2
- Track 22 : Makemake_2
- Track 23 : MrGordo_1
- Track 24 : Ruotula_2
- Track 25 : Graduation_1
- Track 26 : Smeagol_1, LilBib_1
- Track 27 : PhrostyMug_1
- Track 28 : Big3_1
- Track 29 : lLeeKay_1
- Track 30 : Magnito_1, Pinto_1
- Track 31 : Marcell_2, Petruccio_2, Froghopper_2, Gyzlar_2
- Track 32 : Gwendoluna_1, Sumter_1
- Track 33 : Sorpresa_1
- Track 34 : Trouble_1
- Track 35 : AFIS_1
- Track 36 : Niza_3
- Track 37 : Ichabod_2
- Track 38 : JackSparrow_1
- Track 39 : Marge_1
- Track 40 : Oogway_1
- Track 41 : Drake94_1, Severus_1, KittenMittens_1, Poompha_1
- Track 42 : Eaglepride_1
- Track 43 : Goose_1, Chupacabra_1
- Track 44 : WalterMcMickey_1, Twister_1, Edison31_1, Topanga_1
- Track 45 : OKCentral2016_1
- Track 46 : RhynO_1
- Track 47 : PeaceMeal1_1
- Track 48 : Kristoff_2
- Track 49 : MaCh_4, Sham4_4, Flaverint_4, Fibonacci_4, Aneem_4, Munch_4, Lucivia_4, Joselito_4, Gilberta_4, Hutc2_4, TinyTimmy_4, Mulciber_4, Bud_4, Bowtie_4, Insomnia_4, Salz_4, Jabith_4, Timothy_4, Snape_4
- Track 50 : Ebony_4, Orange_4, Bachome_4
- Track 51 : Refuge_4
- Track 52 : Zimmer_4
- Track 53 : Steamy_4
- Track 54 : DarthPhader_4
- Track 55 : Pharaoh_4
- Track 56 : SororFago_4
- Track 57 : Jeeves_4
- Track 58 : Luchador_4
- Track 59 : Gail_4
- Track 60 : Waits_4, Epsocamisio_4, Switzerland_4, Rosalind_4, MinecraftSteve_5, DekHockey33_4, ShayRa_5, JSwag_4, KatherineG_4, Nebulosus_4, Boohoo_4, Battleship_5, LastResort_4, ReMo_4, Looper_4, Anaysia_4
- Track 61 : Nedarya_4
- Track 62 : Strosahl_4, Remus_4, Soups_4

- Track 63 : EagleEye_4, Lucyedi_4, PainterBoy_4
- Track 64 : 40AC_5
- Track 65 : MyraDee_1
- Track 66 : Kimona_1
- Track 67 : NicoleTera_4, Chargerpower_5, EZMoney23_4, Trixie_4
- Track 68 : Journey13_4
- Track 69 : Adzzy_4
- Track 70 : AnnaL29_4, CRB1_4, Loser_4, RedRock_4
- Track 71 : Buggy_5, Agape74_5, FiringLine_5, SemperFi_5, Smeagan_5, Deloris_4, EvilGenius_5, Dignity_5, SnapTap_5, Jerm_5, SweetiePie_5, LadyBird_4, Georgie2_5, LilTurb_5, AN3_4, KingCyrus_5, ChipMunk_5, Crucio_5, BengiVuitton_4, AbbyPaige_5, Power_5, QueenBeesly_5, VA6_4, JoshKayV_5, Leviathan_5, Whabigail7_5, Turbido_5
- Track 72 : Flare16_5, Drake55_5, WideWale_5, MiculUcigas_5, HarryHoudini_5, Equemioh13_5, Piro94_4, Centaur_5, NaSiaTalie_5, Baehexic_5, Updawg_5
- Track 73 : DudeLittle_5, Anselm_5, Heffalump_5, Dalmatian_5, QueenB2_5, Fameo_5, Retro23_5
- Track 74 : Leogania_4, BiancaTri92_4
- Track 75 : Lokk_5, Rachaly_5, BobSwaget_5
- Track 76 : Changeling_4, 20ES_4, Anthony_1, ArcherNM_4, First_004, Miko_5
- Track 77 : StarStuff_4, Tomathan_4, C3_04, AN9_4, D32_4, Travvers_4, VC3_4, D29_4, Kerberos_4, DBQu4n_4, ANI8_4, Naji_4, Duplo_4, Pomar16_4
- Track 78 : Ph8s_4
- Track 79 : XianYue_4
- Track 80 : TarsusIV_5
- Track 81 : Herbertwm_1
- Track 82 : Jaan_4, IronMan_4, Landor_4, Phaded_4, Bactobuster_4
- Track 83 : Larenn_5, Malec_5
- Track 84 : Colin_5, WeiHuaDA_5
- Track 85 : Che12_4
- Track 86 : Kalpine_4
- Track 87 : GaugeLDP_4, Trooper_5, BabyBack_4, Acolyte_4, Yecey3_4
- Track 88 : Benvolio_5, Echild_5
- Track 89 : Jsquared_4, TipsytheTRex_4, Serenity_4, L5_4
- Track 90 : MissWhite_4
- Track 91 : Pukovnik_4, Odin_3, Superchunk_4
- Track 92 : Iwokeuplikedis_5
- Track 93 : Grub_1, Grif_1, KADY_2, Phoxy_1, Louie6_1, Tiffany_1, Beauxregard13_1, Spike509_1, Bxz2_1, Vix_1, Lilith_1, Microwolf_1, Aglet_1, Fernando_1, Grum1_1, Stagni_1, StepMih_1, Mainiac_1, MarQuardt_1, EpicPhail_1, LarryKay_1, Sabinator_1, PGHhamlin_3, GtownJaz_1, Penny1_1, DaHudson_1, Watson_1, Malinsilva_3, JHC117_1, AugsMagnumOpus_3, Methuselah_1, Anubis_3, Farber_1, Hercules11_1
- Track 94 : Todacoro_1, Pocahontas_1, ResDef_1, Caviar_1, Hookmount_1, Noella_1, Lambert1_1, Margo_1
- Track 95 : GingkoMaracino_1
- Track 96 : BabyRay_1
- Track 97 : JF4_1, MK4_1, JF2_1
- Track 98 : Dieselweasel_1, HashRod_2, Soshari_3, JenCasNa_1, SoilDragon_1, Cullens_1, PotatoSplit_2, MoneyMay_1, Sabia_1, LBerry_1, Phoebe_1, MadMarie_1, Colbster_1, Daishi_1, BreSam8_1, AgronaGT15_1, Taurus_1, Zetzy_1, Jobu08_1, P28Green_1, LugYA_3, Pembroke_1, Marie_1, Rummer_1, Wooldri_3
- Track 99 : Kalnoky_2, Gemma_1, PurpleHaze_1, Heliosoles_1

- Track 100 : Puppy_1, TNguyen7_1, Pistachio_1, BlueBird_1
- Track 101 : Manu_2, Groupthink_2, Kalb97_2, JeppNRM_2, Reba_2, HaveUMetTed_2, Marius_2, Phranny_2, PhishRPhriends_1
- Track 102 : Ollie_1
- Track 103 : Isca_1
- Track 104 : Scout_1, Fred313_1, Kachowdy_1
- Track 105 : OlanP_1
- Track 106 : Phantastic_1
- Track 107 : MA5_1
- Track 108 : Cerulean_1
- Track 109 : Stink_1
- Track 110 : Cindaradix_1
- Track 111 : ChampagnePapi_1
- Track 112 : LHTSCC_1
- Track 113 : Milcery_1, Cuco_1, Discoknowium_1, Lev2_1, Aragog_1, Tiger_1, Phlorence_1, Archetta_1
- Track 114 : PetterN_1, Benedict_1, EITiger69_1, Jabiru_1, Chadwick_1, Scorpia_1, Naca_1
- Track 115 : Airmid_1
- Track 116 : AgentM_1
- Track 117 : Coog_1, Midas2_1
- Track 118 : PickleBack_1, Jovo_1, Conspiracy_1
- Track 119 : HuhtaEnerson15_1
- Track 120 : UnionJack_87
- Track 121 : ForGetIt_1
- Track 122 : LittleCherry_1
- Track 123 : VohminGhazi_4, Dorothea_4, Anon_4, Indra_4, DaVinci_4, CloudWang3_4, EricB_4, Hoot_4, Artemis2UCLA_4, Gladiator_4, SuperCallie99_4, BABullseye_4, Lilbunny_4, JewelBug_4, Wiks_4, Kipper29_4, Yokurt_4, Pmask_4, Cookiedough_4, Jeffabunny_4, Zulu_4, Tucker_4, McFly_4, SuperAwesome_4, Rifter_4, Koko_4, Gruunaga_4, GreedyLawyer_4, Jordennis_4, Priamo_4, WunderPhul_4, SmellyB_4, Roksolana_4, Hexamo_4, Zaka_4, Hammer_4, Blue7_4, Kazan_4, Newrala_4, Isiphiwo_4, Blinn1_4, Neeharika16_4
- Track 124 : Timshel_1, DroogsArmy_1
- Track 125 : FlyCatcher_1, Toro_1
- Track 126 : Sheen_1
- Track 127 : HINdeR_1
- Track 128 : Stephig9_1, Dixon_1, Phillis_1, Smeadley_1, Saintus_1, Astro_1, Roary_1
- Track 129 : NearlyHeadless_1
- Track 130 : Qobbit_4, ExplosioNervosa_4
- Track 131 : Darrell_4
- Track 132 : Maminiaina_4, LoneWolf_4, Elephantoon_4
- Track 133 : Vanisoa_4
- Track 134 : SheaKeira_4, Charm_4
- Track 135 : RyeScarlet_5, Priya_4, Conquerage_4, Phaeder_4, HortumSL17_4, Tubs_4, Eidsmoe_4, Aliter_4, Scherzo_4, Alma_4, Pioneer_4, Spouty_4, EmyBug_4, Myxus_4, Catalina_4, Beemo_4, PackMan_4, Phonnegut_4, Fayely_4
- Track 136 : Keziacharles14_4
- Track 137 : DreamTeam1_4
- Track 138 : Toaka_4
- Track 139 : Rahalelujah_4, BogosyJay_4
- Track 140 : Arissanae_4

- Track 141 : Farewell_96
- Track 142 : Sparky_95
- Track 143 : Nergal_81
- Track 144 : MalagasyRose_85
- Track 145 : Exile_60
- Track 146 : Soondubu_62
- Track 147 : Nitro_70
- Track 148 : Yang_68
- Track 149 : Pixelle_68
- Track 150 : DrManhattan_72, Adolin_71
- Track 151 : TforTroy_69
- Track 152 : London_69, Turab_68, AEgle_67, Niobe_69, Asa16_69, Tbone_69, Adumb2043_68, Eraser_69, Mudpuppy_68, Elezi_68, Lizalica_69, JohnDoe_70, Powerpuff_71, Cyan_70, YesChef_69, Lego_69, Joemato_71, Kaylissa_71, Warda_70, Tutumahutu_71
- Track 153 : Tuck_69, Community_70, Phives_70
- Track 154 : DrSierra_66
- Track 155 : Cassia_68
- Track 156 : Reedo_68
- Track 157 : Amyev_68, Tian_67
- Track 158 : Tallboi_69
- Track 159 : Ascela_71, Iter_70
- Track 160 : ObiToo_74, Crewmate_74
- Track 161 : IttyBittyPiggy_69
- Track 162 : KeAlii_67
- Track 163 : Janeemi_69
- Track 164 : Berrie_69
- Track 165 : Sue2_68
- Track 166 : JuneStar_68
- Track 167 : Wildwest_65
- Track 168 : VResidence_72
- Track 169 : MissSwiss_70
- Track 170 : MaGuCo_63, Maureen_69, Liebe_69
- Track 171 : Tweety19_69, Snek_68
- Track 172 : JasmineDragon_70, ShakeltOph_72
- Track 173 : VroomVroom_67
- Track 174 : MiniMommy_73
- Track 175 : Emotion_74
- Track 176 : Gambol_67
- Track 177 : SPB78_77
- Track 178 : VWB_70
- Track 179 : Sujidade_2
- Track 180 : Werner_2, TagePhighter_3, BarryBee_3, Triste_2, SarahRose_2, Asten_2, Chucky_2, OzzyJ_3, Emaanora_3, Dwayne_2, Snorlax_2
- Track 181 : Goby_2, Toma_2, Dattran_2
- Track 182 : Jash_2, Eddasa_2, Izzy_2, Rusticus_2, BryanRecycles_2, Oliynyk_2
- Track 183 : Bovely_2, Phettuccine_2, Esperer_2, Aaronocolus_2, Unstoppable_2, Leviticus_2, Nerdos_2, Indigo_2
- Track 184 : RedBear_3, South40_2, Katalie_2
- Track 185 : Ozzie_2, Legacy_2, Hydra_3, Caliburn_2, BeardedLady_2, SunsetPointe_2
- Track 186 : TuanPN_2, Ejemplo_2
- Track 187 : Lorelei_2, Nabi_2, Rana_2

- Track 188 : Yasdnil_2, Maneekul_2
- Track 189 : Lika_2
- Track 190 : Nanodon_3
- Track 191 : Whatever_2
- Track 192 : Godpower_2
- Track 193 : Brataylor_2
- Track 194 : Hippo_2
- Track 195 : Lannister_3
- Track 196 : Zemlya_2
- Track 197 : Celeste_2
- Track 198 : EnochSoames_2
- Track 199 : Danzina_2
- Track 200 : Tefunt_2
- Track 201 : Alvy_3, BartholomewSD_3, TinaBelcher_2, Bowden_2, TrvxScott_2, Thestral_2
- Track 202 : Zainub_3
- Track 203 : R4_1
- Track 204 : Pablito_2
- Track 205 : Marav_3
- Track 206 : Omar_2, Haizum_2, Nishikigoi_2, Diane_2
- Track 207 : SqueakyClean_3, Animus_3, Janus_3, GirlDinner_2
- Track 208 : Caelum_3
- Track 209 : Amethyst_2
- Track 210 : Paedore_3, Loofah_3
- Track 211 : Jevington_3
- Track 212 : Daudau_2
- Track 213 : Hank144_2
- Track 214 : Issmi_2
- Track 215 : Andris_2
- Track 216 : Triumph_3
- Track 217 : Paolo_3, Puginator_3
- Track 218 : Amela_2
- Track 219 : Yosif_3
- Track 220 : Kaine_3
- Track 221 : Alsaber_3
- Track 222 : Provolone_4, Conan_4, ElGato_4
- Track 223 : Speedwell_3
- Track 224 : Pavo_3
- Track 225 : Saftant_2
- Track 226 : Celery_4
- Track 227 : Verabelle_3
- Track 228 : Verse_2
- Track 229 : BroPlease_1, phiHau3_1, GreenWeasel_1
- Track 230 : Celia_2, Itza_2, Urza_2
- Track 231 : VieEnRose_2
- Track 232 : PhinkBoden_15, Geeche_13, Cucurbita_13, ClubL_14, Dusty_13, Culver_13, WilliamBoone_12, Bachita_15, Abscondus_14
- Track 233 : Norvs_14, Smoothie_14, Aphelion_14, Lozinak_14, Miskis_16, Engineer_14, Toniann_14
- Track 234 : OneUp_9
- Track 235 : BrutonGaster_7
- Track 236 : HippoPololi_68
- Track 237 : Survivors_69

- Track 238 : Dre3_68
- Track 239 : Azira_67, Nibbles_67, Fribs8_67
- Track 240 : Wrigley_81, Jablanski_82, Posh_79, Pytheas_83
- Track 241 : Cashline_76
- Track 242 : LonelyBoi_78
- Track 243 : Angelique_76
- Track 244 : Bradissa_76
- Track 245 : Pollux_82, EMSquaredA_80, Floral_80
- Track 246 : EnalisNailo_76
- Track 247 : BritBrat_98
- Track 248 : Bunnybear_78, Maridalia_83, Eudoria_79, Neobush_81, Kita_80, Zameen_79, WelcomeAyanna_83, Antonio_78, Trumpet_79, Manasvini_81, Tayonia_79, ThankyouJordi_83, Polly_76, Susceptit_79
- Track 249 : Nymphadora_84, Bosnia_82, Eviarto_84, BatStarr_83, TimTam_84, Herod_84
- Track 250 : Hyzer_101
- Track 251 : Agueybana_85, Bialota_79, Zirinka_79, AlumE_82, BoyNamedSue_82
- Track 252 : Madeline_76
- Track 253 : RavenCo17_74
- Track 254 : JonJames_13, Cardigan_14
- Track 255 : Yvonnetastic_14
- Track 256 : Bantam_8
- Track 257 : Daredevil_10
- Track 258 : SpeedDemon_90
- Track 259 : DatBoi_9
- Track 260 : Mollymur_10
- Track 261 : MortyNRick_99, Birdsong_96, BearBQ_102
- Track 262 : Crater_100, Apricot_101
- Track 263 : Kuwabara_94
- Track 264 : Honk_82
- Track 265 : Caron_82
- Track 266 : Percival_75, Gretchen_74
- Track 267 : Mabodamaca_75
- Track 268 : Floof_81
- Track 269 : Zeta1847_76
- Track 270 : Barnstormer_77, UtzChips_77
- Track 271 : SuMoo_83
- Track 272 : IAmGroot_75, GardenState_76
- Track 273 : Poushou_54, TouchMeNot_54, Arianna_54
- Track 274 : LunaStella_101, TChen_101, Renaud18_112
- Track 275 : RootBeer_55
- Track 276 : Marvin_86, Beelzebub_96, Corazon_87, Lilbit_90, Clarkson_93, Huphlepuuff_94, Pringar_88
- Track 277 : FeliMaine_88, LittleLaf_90
- Track 278 : JoieB_93, VasuNzinga_90, Raela_94, RedRaider77_92, Poise_93, Caprice_85, Tesla_88, Blackbeetle_93
- Track 279 : Gattaca_91, MosMoris_88
- Track 280 : ZenTime222_65, Bernal13_59, Ibrahim_59, RonRayGun_59, Whitty_58
- Track 281 : Mendokysei_63
- Track 282 : Nairb_57
- Track 283 : Ibantik_57
- Track 284 : Elener_66
- Track 285 : Samy_101

- Track 286 : Attoomi_53
- Track 287 : Shambre1_67
- Track 288 : Ponzi_39
- Track 289 : Footloose_71
- Track 290 : Success_39

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

The start number called the most often in the published annotations is 152, it was called in 485 of the 875 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_4, 40AC_5, AN3_4, AN9_4, ANI8_4, AbbyPaige_5, Abbyshoes_2, Abscondus_14, Acme_2, Acolyte_4, Adahisdi_1, Adzzy_4, Aeneas_1, Agape74_5, Aglet_1, Ajay_1, Alsfro_2, Altman_3, Alvin_3, Anaysia_4, Aneem_4, Anglerfish_2, AnnaL29_4, Anon_4, Anselm_5, Anthony_1, Anubis_3, Aphelion_14, Applejack_1, Arcanine_2, ArcherNM_4, Arlo_2, Artemis2UCLA_4, Ashballer_1, Atkinbua_1, AugsMagnumOpus_3, BABullseye_4, BPBiebs31_2, BabyBack_4, BabyRay_1, Bachita_15, BaconJack_2, Bactobuster_4, Baehexic_5, Bantam_8, Barriga_2, Battleship_5, Beatrix_1, Beauxregard13_1, Beelzebub_96, BeesKnees_2, BengiVuitton_4, Benvolio_5, Bethlehem_2, Bexan_1, BiancaTri92_4, Big3_1, BigMau_3, BigPaolini_1, Bigfoot_1, BillKnuckles_2, Bircsak_2, Blackbeetle_93, Blinn1_4, BluSpix_1, Blue7_4, BlueBird_1, Blue_3, Bob3_2, BobSwaget_5, Bones_1, Boohoo_4, Bowtie_4, Briton15_2, Bruns_1, BrutonGaster_7, Bud_4, Buggy_5, Burton_2, Buttons_2, Bxb1_1, Bxz2_1, C3_04, CRB1_4, CactusRose_1, Caprice_85, Cardigan_14, Carlyle_2, Caviar_1, Centaur_5, Chanagan_2, Changeling_4, Chargerpower_5, Che12_4, ChipMunk_5, Ciao_1, Clarkson_93, CloudWang3_4, ClubL_14, Colin_5, Conceptll_2, Cookiedough_4, Corazon_87, Corvo_2, Crispicious1_1, Crucio_5, Cucurbita_13, Cueylyss_1, Culver_13, D29_4, D32_4, DBQu4n_4, DD5_2, DaHudson_1, DaVinci_4, Dalmatian_5, Daredevil_10, DatBoi_9, DekHockey33_4, Deloris_4, Dexes_2, Dignity_5, Doom_1, Dorothea_4, DrFeelGood_1, Drake55_5, Dreamboat_2, DroogsArmy_1, DudeLittle_5, Dulcie_1, Duplo_4, Dussy_2, Dusty_13, Dynamix_2, EZMoney23_4, Echild_5, Edtherson_2, Engineer_14, EpicPhail_1, Epsocamisio_4, Equemioh13_5, EricB_4, Espresso_2, Euphoria_2, EvilGenius_5, Eyeball_1, Fajezeel_2, Fameo_5, Farber_1, Fascinus_1, Fenn_1, Fernando_1, Fibonacci_4, FiringLine_5, First_004, Flare16_5, Flaverint_4, Forsytheast_1, Francis47_2, Froghopper_2, Fushigi_2, GageAP_2, Gail_4, Gandalf20_2, GaugeLDP_4, Geeche_13, Georgie2_5, Gilberta_4, Gladiator_4, Gompeii16_2, Graduation_1, GrecoEtereo_2, GreedyLawyer_4, Greg_2, Grif_1, Groupthink_2, Grub_1, Grum1_1, Gruunaga_4, GtownJaz_1, Gwendoluna_1, Gyzlar_2, HINdeR_1, Hami1_1, Hammer_4, HarryHoudini_5, HarryOW_2, HaveUMetTed_2, Heffalump_5, Herbertwm_1, Hercules11_1, Hermia_2, HermioneGrange_2, Hexamo_4, Homines_2, Hookmount_1, Hoot_4, Hope4ever_1, Huphlepuuff_94, Hutc2_4, ILeeKay_1, Ichabod_2, IgnatiusPatJac_1, Indra_4, Insomnia_4, Inyanga_1, IronMan_4, Isca_1, Isiphiwo_4, Iwokeuplikedis_5, JC27_2, JF2_1, JF4_1, JHC117_1, JSwag_4, Jaan_4, Jabith_4, JackSparrow_1, Jasper_2, Jeeves_4, Jeffabunny_4, JeppNRM_2, Jerm2_2, Jerm_5, JewelBug_4, JoieB_93, JonJames_13, Jordennis_4, Jorgensen_2, Joselito_4, JoshKayV_5, Journey13_4, Jsquared_4, JuliaChild_2, KADY_2, KBG_2, Kalb97_2, Kalpine_4, Kanely_3, KatherineG_4, Kazan_4, Kenmech_2, Kerberos_4, Killigrew_1, Kimona_1,

KingCyrus_5, Kipper29_4, Koko_4, Kugel_1, KyMonks1A_1, Kykar_1, L5_4, LadyBird_4, Lambert1_1, Lamina13_2, Landor_4, Larenn_5, LarryKay_1, LastResort_4, Leogania_4, Lesedi_1, Leviathan_5, Licorice_2, LilBib_1, LilTurb_5, Lilbit_90, Lilbunny_4, Lilith_1, Lockley_2, Lokk_5, Looper_4, Lopton_2, Loser_4, Louie6_1, Lozinak_14, Luchador_4, Lucivia_4, MA5_1, MK4_1, MPlant7149_2, MaCh_4, Magnar_1, Mainiac_1, Makemake_2, Malec_5, Malinsilva_3, Manatee_2, Manu_2, MarQuardt_1, Marcell_2, Marchy_2, Marge_1, Margo_1, Marius_2, Maroc7_1, Marvin_86, MaryBeth_2, McFly_4, McGuire_2, MetalQZJ_2, Methuselah_1, Michley_1, Microwolf_1, MiculUcigas_5, Miko_5, MinecraftSteve_5, Miskis_16, MissWhite_4, Mkhuseleli_1, Molly_2, Mollymur_10, Monet_2, Moose_1, Mryolo_1, Mulciber_4, Mule_1, Munch_4, Museum_3, NEHalo_2, NaSiaTalie_5, Naira_1, Naji_4, Nebulosus_4, Nedarya_4, Neeharika16_4, Nerujay_1, Newrala_4, Nhonho_2, NicoleTera_4, Niza_3, Noella_1, Norvs_14, Norz_2, Odin_3, Ohno789_1, OlanP_1, Ollie_1, OneUp_9, Oogway_1, PGHhamlin_3, PSullivan_2, PacerPaul_2, Paphu_1, Paraselene_1, Pari_2, Parliament_1, PascalRango_2, PattyP_2, Payneful_2, Pelly_2, Penny1_1, Pepe_2, Perseus_1, Peterson_1, Petp2012_2, Petruccio_2, Ph8s_4, Phaded_4, PherrisBueller_2, PhinkBoden_15, PhishRPhriends_1, Phoxy_1, Phranny_2, PinkPlastic_1, Pippin_2, Piro94_4, Pistachio_1, Pita2_2, Pmask_4, Pocahontas_1, Poise_93, Pomar16_4, Power_5, Priamo_4, Pringar_88, ProMouse_1, Pukovnik_4, Puppy_1, QTRlifeCrisis_1, QueenB2_5, QueenBeesly_5, Rachaly_5, Raela_94, Rajelicia_2, ReMo_4, Reba_2, RedRaider77_92, RedRock_4, Refuge_4, Remus_4, ResDef_1, Retro23_5, Rhynn_1, RidgeCB_2, Rifter_4, Ringer_1, Rohr_2, Roksolana_4, Rosalind_4, Rubeus_2, Rufus_2, Rutherford_1, STLscum_2, Sabinator_1, Sagefire_2, Salz_4, SarFire_2, Scowl_2, Seabiscuit_2, Seanderson_1, SemperFi_5, Serenity_4, Sham4_4, ShayRa_5, ShortQueendom_1, Sibs6_2, SkiPole_2, Slagathor_2, Smairt_1, Smeagan_5, Smeagol_1, SmellyB_4, Smoothie_14, SnapTap_5, Snape_4, Snazzy_1, Solon_1, SororFago_4, Sorpresa_1, Soups_4, SpeedDemon_90, Spike509_1, SpikeBT_1, Squee_1, Stagni_1, StarStuff_4, Steamy_4, StepMih_1, StewieG_1, StrongArm_1, Strosahl_4, Sumter_1, Sunshine924_1, SuperAwesome_4, SuperCallie99_4, Superchunk_4, SweetiePie_5, SwissCheese_1, Switzer_2, Switzerland_4, TNguyen7_1, Target_2, TarsusIV_5, Tasp14_2, Teodoridan_1, Tesla_88, TheloniousMonk_2, Thor_2, Tiffany_1, Timothy_4, Timshel_1, TinyTimmy_4, TipsytheTRex_4, Todacoro_1, Tomathan_4, Toniann_14, Topgun_1, Tote_2, Traft412_3, Travvers_4, Treddle_2, Tripl3t_1, Trixie_4, Trooper_5, Tucker_4, Turbido_5, Turj99_1, TwoPeat_2, U2_2, Updawg_5, VA6_4, VC3_4, VasuNzinga_90, Violet_2, Vix_1, VohminGhazi_4, Waits_4, Watermelon_2, Watson_1, WeiHuaDA_5, Whabigail7_5, Wheeler_2, WideWale_5, Wiks_4, Wilkins_1, WilliamBoone_12, WunderPhul_4, XianYue_4, Yecy3_4, Yokurt_4, Yvonnestic_14, Zaka_4, Zeeculate_1, Zephyr_1, Zeuska_1, Zulu_4,

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

- AFIS_1, AgronaGT15_1, Bachome_4, BreSam8_1, Colbster_1, Cullens_1, Daishi_1, Dieselweasel_1, Ebony_4, FeliMaine_88, Gemma_1, GingkoMaracino_1, HashRod_2, Heliosoles_1, JenCasNa_1, Jobu08_1, KSSJEB_1, Kalnok_2, LBerry_1, LittleLaf_90, LugYA_3, MadMarie_1, Magnito_1, Marie_1, MoneyMay_1, MrGordo_1, Orange_4, P28Green_1, Papez_2, Pembroke_1, Phoebe_1, PhrostyMug_1, Pinto_1, PotatoSplit_2, PurpleHaze_1, Rummer_1, Sabia_1, SoilDragon_1, Soshari_3, Taurus_1, Toaka_4, Trouble_1, Wooldri_3, Zetzy_1,

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

- AEgle_67, Aaronocolus_2, Abrogate_20, Adolin_71, Adumb2043_68, AgentM_1, Agueybana_85, Airmid_1, Aliter_4, Alma_4, Alsaber_3, AlumE_82, Alvy_3, Amela_2,

Amethyst_2, Amyev_68, Andris_2, Angelique_76, Animus_3, Antonio_78, Apricot_101, Aragog_1, Archetta_1, Arianna_54, Arissanae_4, Asa16_69, Ascela_71, Asten_2, Astro_1, Attoomi_53, Azira_67, Barnstormer_77, BarryBee_3, BartholomewSD_3, BatStarr_83, BearBQ_102, BeardedLady_2, Beemo_4, Benedict_1, Bernal13_59, Berrie_69, Bialota_79, Birdsong_96, BogosyJay_4, Bosnia_82, Bovely_2, Bowden_2, BoyNamedSue_82, Bradissa_76, Brataylor_2, BritBrat_98, BroPlease_1, BryanRecycles_2, Bunnybear_78, Caelum_3, Caliburn_2, Caron_82, Cashline_76, Cassia_68, Catalina_4, Celery_4, Celeste_2, Celia_2, Cerulean_1, Chadwick_1, ChampagnePapi_1, Charm_4, Chucky_2, Chupacabra_1, Cindaradix_1, Community_70, Conan_4, Conquerage_4, Conspiracy_1, Coog_1, Crater_100, Crewmate_74, Cuco_1, Cyan_70, Danzina_2, Darrell_4, DarthPhader_4, Dattran_2, Daudau_2, Diane_2, Discoknowium_1, Dixon_1, DrManhattan_72, DrSierra_66, Drake94_1, Dre3_68, DreamCatcher_2, DreamTeam1_4, Dwayne_2, EMSquaredA_80, EagleEye_4, Eaglepride_1, Eddasa_2, Edison31_1, Eidsmoe_4, Ejemplo_2, ElGato_4, ElTiger69_1, Elener_66, Elephantoon_4, Elezi_68, Emaanora_3, Emotion_74, EmyBug_4, EnalisNailo_76, EnochSoames_2, Eraser_69, Esperer_2, Eudoria_79, Eviarto_84, Exile_60, ExplosioNervosa_4, Farewell_96, Fayely_4, Floof_81, Floral_80, FlyCatcher_1, Footloose_71, ForGetIt_1, Fred313_1, Fribs8_67, Gambol_67, GardenState_76, Gattaca_91, GirlDinner_2, Goby_2, Godpower_2, Goose_1, GreenWeasel_1, Gretchen_74, Haizum_2, Hank144_2, Herod_84, HippoPololi_68, Hippo_2, Honk_82, HortumSL17_4, HuhtaEnerson15_1, Hydra_3, Hyzer_101, IAmGroot_75, Ibantik_57, Ibrahim_59, Indigo_2, Issmi_2, Iter_70, IttyBittyPiggy_69, Itza_2, Izzy_2, Jabiru_1, Jablanski_82, Janeemi_69, Janus_3, Jash_2, JasmineDragon_70, Jevington_3, Joemato_71, JohnDoe_70, Jovo_1, JuneStar_68, Kachowdy_1, Kaine_3, Katalie_2, Kaylissa_71, KeAlii_67, Keziacharles14_4, Kita_80, KittenMittens_1, Kristoff_2, Kuwabara_94, LHTSCC_1, Lannister_3, Legacy_2, Lego_69, Lev2_1, Leviticus_2, Liebe_69, Lika_2, LittleCherry_1, Lizalica_69, London_69, LoneWolf_4, LonelyBoi_78, Loofah_3, Lorelei_2, Lucyedi_4, LunaStella_101, MaGuCo_63, Mabodamaca_75, Madeline_76, MalagasyRose_85, Maminiaina_4, Manasvini_81, Maneekul_2, Marav_3, Maridalia_83, Marsha_2, Maureen_69, Mendokysei_63, Midas2_1, Milcery_1, MiniMommy_73, MissSwiss_70, MortyNRick_99, MosMoris_88, Mudpuppy_68, MyraDee_1, Myxus_4, Nabi_2, Naca_1, Nairb_57, Nanodon_3, NearlyHeadless_1, Neobush_81, Nerdos_2, Nergal_81, Nibbles_67, Niobe_69, Nishikigoi_2, Nitro_70, Nymphadora_84, OKCentral2016_1, ObiToo_74, Oliynyk_2, Omar_2, Ozzie_2, OzzyJ_3, Pablito_2, PackMan_4, Paedore_3, PainterBoy_4, Paolo_3, Pavo_3, PeaceMeal1_1, Percival_75, PetterN_1, Phaeder_4, Phantastic_1, Pharaoh_4, Phettuccine_2, Phillis_1, Phives_70, Phlorence_1, Phonnegut_4, PickleBack_1, Pioneer_4, Pixelle_68, Pollux_82, Polly_76, Ponzi_39, Poompha_1, Posh_79, Poushou_54, Powerpuff_71, Priya_4, Provolone_4, Puginator_3, Pytheas_83, Qobbit_4, R4_1, Rahalelujah_4, Rana_2, RavenCo17_74, RedBear_3, Reedo_68, Renaud18_112, RhynO_1, Roary_1, RonRayGun_59, RootBeer_55, Ruotula_2, Rusticus_2, RyeScarlet_5, SPB78_77, Saftant_2, Saintus_1, Samy_101, Sanya_1, SarahRose_2, Scherzo_4, Scorpia_1, Scout_1, Severus_1, ShakeltOph_72, Shambre1_67, SheaKeira_4, Sheen_1, Smeadley_1, Sneek_68, Snorlax_2, Soondubu_62, South40_2, Sparky_95, Speedwell_3, Spouty_4, SqueakyClean_3, Stephig9_1, Stink_1, SuMoo_83, Success_39, Sue2_68, Sujidade_2, SunsetPointe_2, Survivors_69, Suscepit_79, TChen_101, TagePhighter_3, Tallboi_69, Tayonia_79, Tbone_69, Tefunt_2, TforTroy_69, ThankyouJordi_83, Thestral_2, Tian_67, Tiger_1, TimTam_84, TinaBelcher_2, Toma_2, Topanga_1, Toro_1, TouchMeNot_54, Triste_2, Triumph_3, Trumpet_79, TrvxScott_2, TuanPN_2, Tubs_4, Tuck_69, Turab_68, Tutumahutu_71, Tweety19_69, Twister_1, UnionJack_87, Unstoppable_2, Urza_2, UtzChips_77, VResidence_72, VWB_70,

Vanisoa_4, Verabelle_3, Verse_2, VieEnRose_2, VroomVroom_67, WalterMcMickey_1, Warda_70, WelcomeAyanna_83, Werner_2, Whatever_2, Whitty_58, Wildwest_65, Wrigley_81, Yang_68, Yasdnil_2, YesChef_69, Yosif_3, Zainub_3, Zameen_79, Zemlya_2, ZenTime222_65, Zeta1847_76, Zimmer_4, Zirinka_79, phiHau3_1,

Summary by start number:

Start 62:

- Found in 2 of 919 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 875
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Amela_2 (BD3),

Start 67:

- Found in 25 of 919 (2.7%) of genes in pham
- Manual Annotations of this start: 2 of 875
- Called 8.0% of time when present
- Phage (with cluster) where this start called: Brataylor_2 (BD1), Whatever_2 (BD1),

Start 74:

- Found in 3 of 919 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 875
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Godpower_2 (BD1),

Start 96:

- Found in 3 of 919 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 875
- Called 66.7% of time when present
- Phage (with cluster) where this start called: ChampagnePapi_1 (A4), Stink_1 (A4),

Start 97:

- Found in 2 of 919 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 875
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cindaradix_1 (A4),

Start 107:

- Found in 10 of 919 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 875
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Daudau_2 (BD2),

Start 111:

- Found in 2 of 919 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 875
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Success_39 (singleton),

Start 114:

- Found in 3 of 919 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 875

- Called 33.3% of time when present
- Phage (with cluster) where this start called: RootBeer_55 (FA),

Start 115:

- Found in 5 of 919 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 875
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Ibantik_57 (singleton), Ponzi_39 (singleton), Shambre1_67 (singleton),

Start 116:

- Found in 28 of 919 (3.0%) of genes in pham
- Manual Annotations of this start: 27 of 875
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agueybana_85 (CZ1), AlumE_82 (CZ1), Antonio_78 (CZ1), BatStarr_83 (CZ1), Bialota_79 (CZ1), Bosnia_82 (CZ1), BoyNamedSue_82 (CZ1), Bunnybear_78 (CZ), Eudoria_79 (CZ1), Eviarto_84 (CZ1), Herod_84 (CZ1), Hyzer_101 (CZ1), Kita_80 (CZ1), Madeline_76 (CZ1), Manasvini_81 (CZ1), Maridalia_83 (CZ1), Neobush_81 (CZ1), Nymphadora_84 (CZ1), Polly_76 (CZ1), RavenCo17_74 (CZ8), Suscepit_79 (CZ1), Tayonia_79 (CZ1), ThankyouJordi_83 (CZ1), TimTam_84 (CZ1), Trumpet_79 (CZ1), WelcomeAyanna_83 (CZ1), Zameen_79 (CZ1), Zirinka_79 (CZ1),

Start 118:

- Found in 73 of 919 (7.9%) of genes in pham
- Manual Annotations of this start: 4 of 875
- Called 5.5% of time when present
- Phage (with cluster) where this start called: Magnito_1 (A1), PhrostyMug_1 (A1), Pinto_1 (A1), Trouble_1 (A1),

Start 124:

- Found in 30 of 919 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 875
- Called 3.3% of time when present
- Phage (with cluster) where this start called: Papez_2 (A1),

Start 128:

- Found in 22 of 919 (2.4%) of genes in pham
- Manual Annotations of this start: 3 of 875
- Called 13.6% of time when present
- Phage (with cluster) where this start called: ExplosioNervosa_4 (A9), Qobbit_4 (A9), Toaka_4 (A9),

Start 130:

- Found in 11 of 919 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 875
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Danzina_2 (BD1),

Start 134:

- Found in 179 of 919 (19.5%) of genes in pham
- Manual Annotations of this start: 33 of 875
- Called 18.4% of time when present

- Phage (with cluster) where this start called: AFIS_1 (A1), AgronaGT15_1 (A3), BreSam8_1 (A3), Colbster_1 (A3), Cullens_1 (A3), Daishi_1 (A3), Dieselweasel_1 (A3), Gemma_1 (A3), GingkoMaracino_1 (A3), HashRod_2 (A3), Heliosoles_1 (A3), JenCasNa_1 (A3), Jobu08_1 (A3), KSSJEB_1 (A1), Kalnoky_2 (A3), LBerry_1 (A3), LugYA_3 (A3), MadMarie_1 (A3), Marie_1 (A3), MoneyMay_1 (A3), MrGordo_1 (A1), P28Green_1 (A3), Pembroke_1 (A3), Phoebe_1 (A3), PotatoSplit_2 (A3), PurpleHaze_1 (A3), Rummer_1 (A3), Sabia_1 (A3), SoilDragon_1 (A3), Soshari_3 (A3), Taurus_1 (A3), Wooldri_3 (A3), Zetzy_1 (A3),

Start 138:

- Found in 5 of 919 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 875
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Fred313_1 (A3), Kachowdy_1 (A3), Phantastic_1 (A3), Scout_1 (A3),

Start 139:

- Found in 41 of 919 (4.5%) of genes in pham
- Manual Annotations of this start: 40 of 875
- Called 97.6% of time when present
- Phage (with cluster) where this start called: AgentM_1 (A5), Aragog_1 (A5), Archetta_1 (A5), Benedict_1 (A5), Chadwick_1 (A5), Chupacabra_1 (A10), Conspiracy_1 (A5), Coog_1 (A5), Cuco_1 (A5), Discoknowium_1 (A5), Drake94_1 (A10), Eaglepride_1 (A10), Edison31_1 (A10), EITiger69_1 (A5), ForGetIt_1 (A5), Goose_1 (A10), HuhtaEnerson15_1 (A5), Jabiru_1 (A5), Jovo_1 (A5), KittenMittens_1 (A10), Kristoff_2 (A10), Lev2_1 (A5), LittleCherry_1 (A5), Midas2_1 (A5), Milcery_1 (A5), Naca_1 (A5), OKCentral2016_1 (A10), PeaceMeal1_1 (A10), PetterN_1 (A5), Phlorence_1 (A5), PickleBack_1 (A5), Poompha_1 (A10), RhynO_1 (A10), Scorpia_1 (A5), Severus_1 (A10), Tiger_1 (A5), Topanga_1 (A10), Twister_1 (A10), UnionJack_87 (A5), WalterMcMickey_1 (A10),

Start 141:

- Found in 19 of 919 (2.1%) of genes in pham
- Manual Annotations of this start: 1 of 875
- Called 5.3% of time when present
- Phage (with cluster) where this start called: Tefunt_2 (BD2),

Start 142:

- Found in 22 of 919 (2.4%) of genes in pham
- Manual Annotations of this start: 3 of 875
- Called 31.8% of time when present
- Phage (with cluster) where this start called: FlyCatcher_1 (A7), JasmineDragon_70 (AZ4), MiniMommy_73 (AZ4), ShakeltOph_72 (AZ4), Sheen_1 (A7), Toro_1 (A7), VroomVroom_67 (AZ4),

Start 146:

- Found in 2 of 919 (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: SPB78_77 (BA), VWB_70 (BA),

Start 147:

- Found in 6 of 919 (0.7%) of genes in pham

- Manual Annotations of this start: 2 of 875
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Cerulean_1 (A4), LHTSCC_1 (A4),

Start 148:

- Found in 2 of 919 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 875
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Emotion_74 (AZ4), Gambol_67 (AZ5),

Start 149:

- Found in 160 of 919 (17.4%) of genes in pham
- Manual Annotations of this start: 147 of 875
- Called 96.2% of time when present
- Phage (with cluster) where this start called: AEgle_67 (AZ1), Aaronocolus_2 (BD1), Adolin_71 (AZ1), Adumb2043_68 (AZ1), Aliter_4 (A9), Alma_4 (A9), Amyev_68 (AZ1), Arissanae_4 (A9), Asa16_69 (AZ1), Ascela_71 (AZ1), Asten_2 (BD1), Attoomi_53 (singleton), Barnstormer_77 (EH), BarryBee_3 (BD1), BeardedLady_2 (BD1), Beemo_4 (A9), Berrie_69 (AZ1), BogosyJay_4 (A9), Bovely_2 (BD1), BryanRecycles_2 (BD1), Caliburn_2 (BD1), Caron_82 (EH), Cassia_68 (AZ1), Catalina_4 (A9), Celeste_2 (BD1), Charm_4 (A9), Chucky_2 (BD1), Community_70 (AZ1), Conquerage_4 (A9), Crewmate_74 (AZ1), Cyan_70 (AZ1), Darrell_4 (A9), Dattran_2 (BD1), DrManhattan_72 (AZ1), DrSierra_66 (AZ1), DreamTeam1_4 (A9), Dwayne_2 (BD1), EagleEye_4 (A16), Eddasa_2 (BD1), Eidsmoe_4 (A9), Ejemplo_2 (BD1), Elephantoon_4 (A9), Elezi_68 (AZ1), Emaanora_3 (BD1), EmyBug_4 (A9), Eraser_69 (AZ1), Esperer_2 (BD1), Exile_60 (AZ), Fayely_4 (A9), Floof_81 (EH), Footloose_71 (singleton), GardenState_76 (EH), Goby_2 (BD1), Gretchen_74 (EH), Hippo_2 (BD1), Honk_82 (EH), HortumSL17_4 (A9), Hydra_3 (BD1), IAmGroot_75 (EH), Indigo_2 (BD1), Iter_70 (AZ1), IttyBittyPiggy_69 (AZ1), Izzy_2 (BD1), Janeemi_69 (AZ1), Jash_2 (BD1), Joemato_71 (AZ1), JohnDoe_70 (AZ1), JuneStar_68 (AZ1), Katalie_2 (BD1), Kaylissa_71 (AZ1), KeAlii_67 (AZ1), Keziacharles14_4 (A9), Lannister_3 (BD1), Legacy_2 (BD1), Lego_69 (AZ1), Leviticus_2 (BD1), Liebe_69 (AZ2), Lika_2 (BD1), Lizalica_69 (AZ1), London_69 (AZ1), LoneWolf_4 (A9), Lorelei_2 (BD1), Lucyedi_4 (A16), MaGuCo_63 (AZ2), Mabodamaca_75 (EH), Maminiaina_4 (A9), Maneekul_2 (BD1), Maureen_69 (AZ2), MissSwiss_70 (AZ1), Mudpuppy_68 (AZ1), Myxus_4 (A9), Nabi_2 (BD1), Nanodon_3 (BD1), Nerdos_2 (BD1), Niobe_69 (AZ1), Nitro_70 (AZ1), ObiToo_74 (AZ1), Oliynyk_2 (BD1), Ozzie_2 (BD1), OzzyJ_3 (BD1), PackMan_4 (A9), PainterBoy_4 (A16), Percival_75 (EH), Phaeder_4 (A9), Phettuccine_2 (BD1), Phives_70 (AZ1), Phonnegut_4 (A9), Pioneer_4 (A9), Pixelle_68 (AZ1), Powerpuff_71 (AZ1), Priya_4 (A9), Rahalelujah_4 (A9), Rana_2 (BD1), RedBear_3 (BD1), Reedo_68 (AZ1), Rusticus_2 (BD1), RyeScarlet_5 (A9), SarahRose_2 (BD1), Scherzo_4 (A9), SheaKeira_4 (A9), Snek_68 (AZ3), Snorlax_2 (BD1), Soondubu_62 (AZ), South40_2 (BD1), Spouty_4 (A9), SuMoo_83 (EH), Sue2_68 (AZ1), Sujidade_2 (BD1), SunsetPointe_2 (BD1), TagePhighter_3 (BD1), Tallboi_69 (AZ1), Tbone_69 (AZ1), TforTroy_69 (AZ1), Tian_67 (AZ1), Toma_2 (BD1), Triste_2 (BD1), TuanPN_2 (BD1), Tubs_4 (A9), Tuck_69 (AZ1), Turab_68 (AZ1), Tutumahutu_71 (AZ1), Tweety19_69 (AZ3), Unstoppable_2 (BD1), UtzChips_77 (EH), VResidence_72 (AZ1), Vanisoa_4 (A9), Warda_70 (AZ1), Werner_2 (BD1), Wildwest_65 (AZ1), Yang_68 (AZ1), Yasdni_2 (BD1), YesChef_69 (AZ1), Zemlya_2 (BD1), Zeta1847_76 (EH),

Start 150:

- Found in 73 of 919 (7.9%) of genes in pham

- Manual Annotations of this start: 51 of 875
- Called 74.0% of time when present
- Phage (with cluster) where this start called: Alsaber_3 (BD3), Alvy_3 (BD2), Amethyst_2 (BD2), Andris_2 (BD2), Animus_3 (BD2), BartholomewSD_3 (BD2), Bowden_2 (BD2), BroPlease_1 (BD4), Caelum_3 (BD2), Celery_4 (BD3), Celia_2 (BD6), Conan_4 (BD3), DarthPhader_4 (A12), Diane_2 (BD2), ElGato_4 (BD3), EnochSoames_2 (BD1), GirlDinner_2 (BD2), GreenWeasel_1 (BD4), Haizum_2 (BD2), Hank144_2 (BD2), Issmi_2 (BD2), Itza_2 (BD6), Janus_3 (BD2), Jevington_3 (BD2), Kaine_3 (BD3), Loofah_3 (BD2), Marav_3 (BD2), Marsha_2 (A1), Nishikigoi_2 (BD2), Omar_2 (BD2), Pablito_2 (BD2), Paedore_3 (BD2), Paolo_3 (BD2), Pavo_3 (BD3), Pharaoh_4 (A12), Provolone_4 (BD3), Puginator_3 (BD2), R4_1 (BD2), Saftant_2 (BD3), Samy_101 (singleton), Speedwell_3 (BD3), SqueakyClean_3 (BD2), Thestral_2 (BD2), TinaBelcher_2 (BD2), Triumph_3 (BD2), TrvxScott_2 (BD2), Urza_2 (BD6), Verabelle_3 (BD3), Verse_2 (BD3), VieEnRose_2 (BD6), Yosif_3 (BD3), Zainub_3 (BD2), Zimmer_4 (A12), phiHau3_1 (BD4),

Start 151:

- Found in 2 of 919 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 875
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gattaca_91 (S), MosMoris_88 (S),

Start 152:

- Found in 550 of 919 (59.8%) of genes in pham
- Manual Annotations of this start: 485 of 875
- Called 92.0% of time when present
- Phage (with cluster) where this start called: 20ES_4 (A2), 40AC_5 (A17), AN3_4 (A2), AN9_4 (A2), ANI8_4 (A2), AbbyPaige_5 (A2), Abbysshoes_2 (A1), Abscondus_14 (CQ1), Acme_2 (A1), Acolyte_4 (A2), Adahisdi_1 (A1), Adzzy_4 (A2), Aeneas_1 (A1), Agape74_5 (A2), Aglet_1 (A3), Ajay_1 (A1), Alsfro_2 (A1), Altman_3 (A1), Alvin_3 (A1), Anaysia_4 (A15), Aneem_4 (A11), Anglerfish_2 (A1), AnnaL29_4 (A2), Anon_4 (A15), Anselm_5 (A2), Anthony_1 (A20), Anubis_3 (A3), Aphelion_14 (CQ1), Applejack_1 (A1), Arcanine_2 (A1), ArcherNM_4 (A2), Arlo_2 (A1), Artemis2UCLA_4 (A6), Ashballer_1 (A1), Atkinbua_1 (A1), AugsMagnumOpus_3 (A3), BABullseye_4 (A6), BPBiobs31_2 (A1), BabyBack_4 (A2), BabyRay_1 (A3), Bachita_15 (CQ1), BaconJack_2 (A1), Bactobuster_4 (A2), Baehexic_5 (A2), Bantam_8 (DL), Barriga_2 (A1), Battleship_5 (A15), Beatrix_1 (A1), Beauxregard13_1 (A3), Beelzebub_96 (S), BeesKnees_2 (A1), BengiVuitton_4 (A2), Benvolio_5 (A2), Bethlehem_2 (A1), Bexan_1 (A1), BiancaTri92_4 (A2), Big3_1 (A1), BigMau_3 (A1), BigPaolini_1 (A1), Bigfoot_1 (A1), BillKnuckles_2 (A1), Bircsak_2 (A1), Blackbeetle_93 (S), Blinn1_4 (A6), BluSpix_1 (A1), Blue7_4 (A6), BlueBird_1 (A3), Blue_3 (A1), Bob3_2 (A1), BobSwaget_5 (A2), Bones_1 (A1), Boohoo_4 (A15), Bowtie_4 (A11), Briton15_2 (A1), Bruns_1 (A1), BrutonGaster_7 (CQ2), Bud_4 (A11), Buggy_5 (A2), Burton_2 (A1), Buttons_2 (A1), Bxb1_1 (A1), Bxz2_1 (A3), C3_04 (A2), CRB1_4 (A2), CactusRose_1 (A1), Caprice_85 (S), Cardigan_14 (DD), Carlyle_2 (A1), Caviar_1 (A3), Centaur_5 (A2), Chanagan_2 (A1), Changeling_4 (A2), Chargerpower_5 (A), Che12_4 (A2), ChipMunk_5 (A2), Ciao_1 (A1), Clarkson_93 (S), CloudWang3_4 (A6), ClubL_14 (CQ1), Colin_5 (A2), Conceptll_2 (A1), Cookiedough_4 (A6), Corazon_87 (S), Corvo_2 (A1), Crispicous1_1 (A1), Crucio_5 (A2), Cucurbita_13 (CQ1), Cueyllyss_1 (A1), Culver_13 (CQ1), D29_4 (A2), D32_4 (A2), DBQu4n_4 (A2), DD5_2 (A1), DaHudson_1 (A3), DaVinci_4 (A6), Dalmatian_5 (A2), Daredevil_10 (DL), DatBoi_9 (DL), DekHockey33_4 (A15), Deloris_4 (A2), Dexes_2 (A1), Dignity_5 (A2), Doom_1 (A1), Dorothea_4 (A6),

DrFeelGood_1 (A1), Drake55_5 (A2), Dreamboat_2 (A1), DroogsArmy_1 (A7), DudeLittle_5 (A2), Dulcie_1 (A1), Duplo_4 (A2), Dussy_2 (A1), Dusty_13 (CQ1), Dynamix_2 (A1), EZMoney23_4 (A2), Echid_5 (A2), Edtherson_2 (A1), Engineer_14 (CQ1), EpicPhail_1 (A3), Epsocamiso_4 (A15), Equemioh13_5 (A2), EricB_4 (A6), Espresso_2 (A1), Euphoria_2 (A1), EvilGenius_5 (A2), Eyeball_1 (A1), Fajezeel_2 (A1), Fameo_5 (A2), Farber_1 (A3), Fascinus_1 (A1), Fenn_1 (A1), Fernando_1 (A3), Fibonacci_4 (A11), FiringLine_5 (A2), First_004 (A2), Flare16_5 (A2), Flaverint_4 (A11), Forsytheast_1 (A1), Francis47_2 (A1), Froghopper_2 (A1), Fushigi_2 (A1), GageAP_2 (A1), Gail_4 (A14), Gandalf20_2 (A1), GaugeLDP_4 (A2), Geeche_13 (CQ1), Georgie2_5 (A2), Gilberta_4 (A11), Gladiator_4 (A6), Gompeii16_2 (A1), Graduation_1 (A1), GrecoEtereo_2 (A1), GreedyLawyer_4 (A6), Greg_2 (A1), Grif_1 (A3), Groupthink_2 (A3), Grub_1 (A3), Grum1_1 (A3), Gruunaga_4 (A6), GtownJaz_1 (A3), Gwendoluna_1 (A1), Gyzlar_2 (A1), HINdeR_1 (A7), Hami1_1 (A1), Hammer_4 (A6), HarryHoudini_5 (A2), HarryOW_2 (A1), HaveUMetTed_2 (A3), Heffalump_5 (A2), Herbertwm_1 (A2), Hercules11_1 (A3), Hermia_2 (A1), HermioneGrange_2 (A1), Hexamo_4 (A6), Homines_2 (A1), Hookmount_1 (A3), Hoot_4 (A6), Hope4ever_1 (A1), Huphlepuuff_94 (S), Hutc2_4 (A11), ILeeKay_1 (A1), Ichabod_2 (A1), IgnatiusPatJac_1 (A1), Indra_4 (A6), Insomnia_4 (A11), Inyanga_1 (A1), IronMan_4 (A2), Isca_1 (A3), Isiphiwo_4 (A6), Iwokeuplikedis_5 (A2), JC27_2 (A1), JF2_1 (A3), JF4_1 (A3), JHC117_1 (A3), JSwag_4 (A15), Jaan_4 (A2), Jabith_4 (A11), JackSparrow_1 (A1), Jasper_2 (A1), Jeeves_4 (A14), Jeffabunny_4 (A6), JeppNRM_2 (A3), Jerm2_2 (A1), Jerm_5 (A2), JewelBug_4 (A6), JoieB_93 (S), JonJames_13 (DD), Jordennis_4 (A6), Jorgensen_2 (A1), Joselito_4 (A11), JoshKayV_5 (A2), Journey13_4 (A2), Jsquared_4 (A2), JuliaChild_2 (A1), KADY_2 (A3), KBG_2 (A1), Kalb97_2 (A3), Kalpine_4 (A2), Kanely_3 (A1), KatherineG_4 (A15), Kazan_4 (A6), Kenmech_2 (A1), Kerberos_4 (A2), Killigrew_1 (A1), Kimona_1 (A19), KingCyrus_5 (A2), Kipper29_4 (A6), Koko_4 (A6), Kugel_1 (A1), KyMonks1A_1 (A1), Kykar_1 (A1), L5_4 (A2), LadyBird_4 (A2), Lambert1_1 (A3), Lamina13_2 (A1), Landor_4 (A2), Larenn_5 (A2), LarryKay_1 (A3), LastResort_4 (A15), Leogania_4 (A2), Lesedi_1 (A1), Leviathan_5 (A2), Licorice_2 (A1), LilBib_1 (A1), LilTurb_5 (A2), Lilbit_90 (S), Lilbunny_4 (A6), Lilith_1 (A3), Lockley_2 (A1), Lokk_5 (A2), Looper_4 (A15), Lopton_2 (A1), Loser_4 (A2), Louie6_1 (A3), Lozinak_14 (CQ1), Luchador_4 (A14), Lucivia_4 (A11), MA5_1 (A3), MK4_1 (A3), MPlant7149_2 (A1), MaCh_4 (A11), Magnar_1 (A1), Mainiac_1 (A3), Makemake_2 (A1), Malec_5 (A2), Malinsilva_3 (A3), Manatee_2 (A1), Manu_2 (A3), MarQuardt_1 (A3), Marcell_2 (A1), Marchy_2 (A1), Marge_1 (A1), Margo_1 (A3), Marius_2 (A3), Maroc7_1 (A1), Marvin_86 (S), MaryBeth_2 (A1), McFly_4 (A6), McGuire_2 (A1), MetalQZJ_2 (A1), Methuselah_1 (A3), Michley_1 (A1), Microwolf_1 (A3), MiculUcigas_5 (A2), Miko_5 (A2), MinecraftSteve_5 (A15), Miskis_16 (CQ1), MissWhite_4 (A2), Mkhusei_1 (A1), Molly_2 (A1), Mollymur_10 (DL), Monet_2 (A1), Moose_1 (A1), Mryolo_1 (A1), Mulciber_4 (A11), Mule_1 (A1), Munch_4 (A11), Museum_3 (A1), NEHalo_2 (A1), NaSiaTalie_5 (A2), Naira_1 (A1), Naji_4 (A2), Nebulosus_4 (A15), Nedarya_4 (A15), Neeharika16_4 (A6), Nerujay_1 (A1), Newrala_4 (A6), Nhonho_2 (A1), NicoleTera_4 (A2), Niza_3 (A1), Noella_1 (A3), Norvs_14 (CQ1), Norz_2 (A1), Odin_3 (A2), Ohno789_1 (A1), OlanP_1 (A3), Ollie_1 (A3), OneUp_9 (CQ2), Oogway_1 (A1), PGHhamlin_3 (A3), PSullivan_2 (A1), PacerPaul_2 (A1), Paphu_1 (A1), Paraselene_1 (A1), Pari_2 (A1), Parliament_1 (A1), PascalRango_2 (A1), PattyP_2 (A1), Payneful_2 (A1), Pelly_2 (A1), Penny1_1 (A3), Pepe_2 (A1), Perseus_1 (A1), Peterson_1 (A1), Petp2012_2 (A1), Petruchio_2 (A1), Ph8s_4 (A2), Phaded_4 (A2), PherrisBueller_2 (A1), PhinkBoden_15 (CQ1), PhishRPhriends_1 (A3), Phoxy_1 (A3), Phranny_2 (A3), PinkPlastic_1 (A1), Pippin_2 (A1), Piro94_4 (A2), Pistachio_1 (A3), Pita2_2 (A1), Pmask_4 (A6), Pocahontas_1 (A3), Poise_93 (S), Pomar16_4 (A2), Power_5 (A2), Priamo_4 (A6), Pringar_88 (S),

ProMouse_1 (A1), Pukovnik_4 (A2), Puppy_1 (A3), QTRlifeCrisis_1 (A1), QueenB2_5 (A2), QueenBeesly_5 (A2), Rachaly_5 (A2), Raela_94 (S), Rajelicia_2 (A1), ReMo_4 (A15), Reba_2 (A3), RedRaider77_92 (S), RedRock_4 (A2), Refuge_4 (A12), Remus_4 (A15), ResDef_1 (A3), Retro23_5 (A2), Rhynn_1 (A1), RidgeCB_2 (A1), Rifter_4 (A6), Ringer_1 (A1), Rohr_2 (A1), Roksolana_4 (A6), Rosalind_4 (A15), Rubeus_2 (A1), Rufus_2 (A1), Rutherferd_1 (A1), STLscum_2 (A1), Sabinator_1 (A3), Sagefire_2 (A1), Salz_4 (A11), SarFire_2 (A1), Scowl_2 (A1), Seabiscuit_2 (A1), Seanderson_1 (A1), SemperFi_5 (A2), Serenity_4 (A2), Sham4_4 (A11), ShayRa_5 (A15), ShortQueendom_1 (A1), Sibs6_2 (A1), SkiPole_2 (A1), Slagathor_2 (A1), Smairt_1 (A1), Smeagan_5 (A2), Smeagol_1 (A1), SmellyB_4 (A6), Smoothie_14 (CQ1), SnapTap_5 (A2), Snape_4 (A11), Snazzy_1 (A1), Solon_1 (A1), SororFago_4 (A14), Sorpresa_1 (A1), Soups_4 (A15), SpeedDemon_90 (DL), Spike509_1 (A3), SpikeBT_1 (A1), Squee_1 (A1), Stagni_1 (A3), StarStuff_4 (A2), Steamy_4 (A12), StepMih_1 (A3), StewieG_1 (A1), StrongArm_1 (A1), Strosahl_4 (A15), Sumter_1 (A1), Sunshine924_1 (A1), SuperAwesome_4 (A6), SuperCallie99_4 (A6), Superchunk_4 (A2), SweetiePie_5 (A2), SwissCheese_1 (A1), Switzer_2 (A1), Switzerland_4 (A15), TNguyen7_1 (A3), Target_2 (A1), TarsusIV_5 (A2), Tasp14_2 (A1), Teodoridan_1 (A1), Tesla_88 (S), TheloniousMonk_2 (A1), Thor_2 (A1), Tiffany_1 (A3), Timothy_4 (A11), Timshel_1 (A7), TinyTimmy_4 (A11), TipsytheTRex_4 (A2), Todacoro_1 (A3), Tomathan_4 (A2), Toniann_14 (CQ1), Topgun_1 (A1), Tote_2 (A1), Traft412_3 (A1), Travvers_4 (A2), Treddle_2 (A1), Tripl3t_1 (A1), Trixie_4 (A2), Trooper_5 (A2), Tucker_4 (A6), Turbido_5 (A2), Turj99_1 (A1), TwoPeat_2 (A1), U2_2 (A1), Updawg_5 (A2), VA6_4 (A2), VC3_4 (A2), VasuNzinga_90 (S), Violet_2 (A1), Vix_1 (A3), VohminGhazi_4 (A6), Waits_4 (A15), Watermelon_2 (A1), Watson_1 (A3), WeiHuaDA_5 (A2), Whabigail7_5 (A2), Wheeler_2 (A1), WideWale_5 (A2), Wiks_4 (A6), Wilkins_1 (A1), WilliamBoone_12 (CQ1), WunderPhul_4 (A6), XianYue_4 (A2), Yecy3_4 (A9), Yokurt_4 (A6), Yvonnestic_14 (DD), Zaka_4 (A6), Zeeculate_1 (A1), Zephyr_1 (A1), Zeuska_1 (A1), Zulu_4 (A6),

Start 153:

- Found in 1 of 919 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 875
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MyraDee_1 (A18),

Start 154:

- Found in 8 of 919 (0.9%) of genes in pham
- Manual Annotations of this start: 8 of 875
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Astro_1 (A8), Dixon_1 (A8), NearlyHeadless_1 (A8), Phillis_1 (A8), Roary_1 (A8), Saintus_1 (A8), Smeadley_1 (A8), Stephig9_1 (A8),

Start 155:

- Found in 4 of 919 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 875
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Arianna_54 (EO), Poushou_54 (EO), TouchMeNot_54 (EO),

Start 156:

- Found in 6 of 919 (0.7%) of genes in pham

- Manual Annotations of this start: 6 of 875
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azira_67 (CT), Dre3_68 (CT), Fribs8_67 (CT), HippoPololi_68 (CT), Nibbles_67 (CT), Survivors_69 (CT),

Start 157:

- Found in 9 of 919 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 875
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Airmid_1 (A5),

Start 158:

- Found in 2 of 919 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 875
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Farewell_96 (AF), Sparky_95 (AF),

Start 160:

- Found in 20 of 919 (2.2%) of genes in pham
- Manual Annotations of this start: 19 of 875
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abrogate_20 (A1), Angelique_76 (CY1), Bradissa_76 (CY1), BritBrat_98 (CY2), Cashline_76 (CY), DreamCatcher_2 (A1), EMSquaredA_80 (CY1), EnalisNailo_76 (CY1), Floral_80 (CY1), Jablanski_82 (CY), LonelyBoi_78 (CY), LunaStella_101 (F4), Pollux_82 (CY1), Posh_79 (CY), Pytheas_83 (CY), Renaud18_112 (F4), Ruotula_2 (A1), Sanya_1 (A1), TChen_101 (F4), Wrigley_81 (CY),

Start 161:

- Found in 8 of 919 (0.9%) of genes in pham
- Manual Annotations of this start: 7 of 875
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apricot_101 (DN3), BearBQ_102 (DN), Birdsong_96 (DN), Crater_100 (DN3), Kuwabara_94 (DN4), MalagasyRose_85 (AG), MortyNRick_99 (DN), Nergal_81 (AG),

Start 162:

- Found in 25 of 919 (2.7%) of genes in pham
- Manual Annotations of this start: 3 of 875
- Called 12.0% of time when present
- Phage (with cluster) where this start called: Bachome_4 (A11), Ebony_4 (A11), Orange_4 (A11),

Start 163:

- Found in 25 of 919 (2.7%) of genes in pham
- Manual Annotations of this start: 7 of 875
- Called 32.0% of time when present
- Phage (with cluster) where this start called: Bernal13_59 (T), FeliMaine_88 (S), Ibrahim_59 (T), LittleLaf_90 (S), Nairb_57 (T), RonRayGun_59 (T), Whitty_58 (T), ZenTime222_65 (T),

Start 166:

- Found in 4 of 919 (0.4%) of genes in pham

- Manual Annotations of this start: 1 of 875
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Mendokysei_63 (T),

Start 168:

- Found in 1 of 919 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elener_66 (singleton),

Summary by clusters:

There are 55 clusters represented in this pham: DN, CZ8, BA, DD, CZ1, singleton, FA, DN3, A7, CY1, DL, A15, A14, A17, AZ, A11, A10, A12, A19, A18, A1, BD4, A3, A2, BD1, A4, BD3, A6, A9, A8, CQ1, A, CY2, EO, EH, AG, AF, BD2, CZ, CY, A16, T, CQ2, A5, CT, A20, DN4, F4, S, BD6, AZ1, AZ2, AZ3, AZ4, AZ5,

Info for manual annotations of cluster A:

- Start number 152 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A1:

- Start number 118 was manually annotated 4 times for cluster A1.
- Start number 124 was manually annotated 1 time for cluster A1.
- Start number 134 was manually annotated 3 times for cluster A1.
- Start number 150 was manually annotated 1 time for cluster A1.
- Start number 152 was manually annotated 193 times for cluster A1.
- Start number 160 was manually annotated 3 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 139 was manually annotated 15 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 152 was manually annotated 19 times for cluster A11.
- Start number 162 was manually annotated 3 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 150 was manually annotated 3 times for cluster A12.
- Start number 152 was manually annotated 2 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 152 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 152 was manually annotated 21 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 149 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 153 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 152 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 152 was manually annotated 101 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 152 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 134 was manually annotated 30 times for cluster A3.
- Start number 138 was manually annotated 3 times for cluster A3.
- Start number 152 was manually annotated 63 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 96 was manually annotated 2 times for cluster A4.
- Start number 97 was manually annotated 1 time for cluster A4.
- Start number 147 was manually annotated 2 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 139 was manually annotated 25 times for cluster A5.
- Start number 157 was manually annotated 1 time for cluster A5.

Info for manual annotations of cluster A6:

- Start number 152 was manually annotated 41 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 142 was manually annotated 1 time for cluster A7.
- Start number 152 was manually annotated 3 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 154 was manually annotated 8 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 128 was manually annotated 3 times for cluster A9.
- Start number 149 was manually annotated 30 times for cluster A9.
- Start number 152 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AF:

- Start number 158 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 161 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AZ:

- Start number 149 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:

- Start number 149 was manually annotated 43 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 149 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 149 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 142 was manually annotated 2 times for cluster AZ4.
- Start number 148 was manually annotated 1 time for cluster AZ4.

Info for manual annotations of cluster BD1:

- Start number 67 was manually annotated 2 times for cluster BD1.
- Start number 74 was manually annotated 1 time for cluster BD1.
- Start number 130 was manually annotated 1 time for cluster BD1.
- Start number 149 was manually annotated 51 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 107 was manually annotated 1 time for cluster BD2.
- Start number 141 was manually annotated 1 time for cluster BD2.
- Start number 150 was manually annotated 29 times for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 62 was manually annotated 1 time for cluster BD3.
- Start number 150 was manually annotated 10 times for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 150 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 150 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster CQ1:

- Start number 152 was manually annotated 12 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 152 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CT:

- Start number 156 was manually annotated 6 times for cluster CT.

Info for manual annotations of cluster CY:

- Start number 160 was manually annotated 6 times for cluster CY.

Info for manual annotations of cluster CY1:

- Start number 160 was manually annotated 6 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 160 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CZ:

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

Info for manual annotations of cluster CZ1:

- Start number 116 was manually annotated 25 times for cluster CZ1.

Info for manual annotations of cluster CZ8:

- Start number 116 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DD:

- Start number 152 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:

- Start number 152 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 161 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN3:

- Start number 161 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 161 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster EH:

- Start number 149 was manually annotated 12 times for cluster EH.

Info for manual annotations of cluster EO:

- Start number 155 was manually annotated 3 times for cluster EO.

Info for manual annotations of cluster F4:

- Start number 160 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster FA:

- Start number 114 was manually annotated 1 time for cluster FA.

Info for manual annotations of cluster S:

- Start number 151 was manually annotated 2 times for cluster S.
- Start number 152 was manually annotated 13 times for cluster S.
- Start number 163 was manually annotated 1 time for cluster S.

Info for manual annotations of cluster T:

- Start number 163 was manually annotated 6 times for cluster T.
- Start number 166 was manually annotated 1 time for cluster T.

Gene Information:

Gene: 20ES_4 Start: 2483, Stop: 2779, Start Num: 152

Candidate Starts for 20ES_4:

(Start: 152 @2483 has 485 MA's),

Gene: 40AC_5 Start: 2296, Stop: 2592, Start Num: 152

Candidate Starts for 40AC_5:

(Start: 152 @2296 has 485 MA's), (191, 2413),

Gene: AEgle_67 Start: 42706, Stop: 43008, Start Num: 149

Candidate Starts for AEgle_67:

(Start: 149 @42706 has 147 MA's), (165, 42757), (170, 42772), (190, 42823), (203, 42898), (216, 42997),

Gene: AFIS_1 Start: 572, Stop: 895, Start Num: 134

Candidate Starts for AFIS_1:

(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 152 @599 has 485 MA's), (Start: 162 @632 has 3 MA's), (192, 722), (207, 812), (214, 848),

Gene: AN3_4 Start: 2464, Stop: 2760, Start Num: 152

Candidate Starts for AN3_4:

(Start: 152 @2464 has 485 MA's), (192, 2587),

Gene: AN9_4 Start: 2344, Stop: 2640, Start Num: 152

Candidate Starts for AN9_4:

(Start: 152 @2344 has 485 MA's),

Gene: ANI8_4 Start: 2344, Stop: 2640, Start Num: 152

Candidate Starts for ANI8_4:

(Start: 152 @2344 has 485 MA's),

Gene: Aaronocolus_2 Start: 740, Stop: 1054, Start Num: 149

Candidate Starts for Aaronocolus_2:

(69, 629), (91, 656), (Start: 149 @740 has 147 MA's), (196, 896),

Gene: AbbyPaige_5 Start: 2538, Stop: 2834, Start Num: 152

Candidate Starts for AbbyPaige_5:

(Start: 152 @2538 has 485 MA's), (192, 2661),

Gene: Abbysshoes_2 Start: 758, Stop: 1054, Start Num: 152

Candidate Starts for Abbysshoes_2:

(Start: 152 @758 has 485 MA's), (192, 881), (202, 935), (207, 971), (214, 1007),

Gene: Abrogate_20 Start: 1334, Stop: 1624, Start Num: 160

Candidate Starts for Abrogate_20:

(21, 899), (36, 1016), (86, 1172), (90, 1181), (92, 1184), (Start: 160 @1334 has 19 MA's), (164, 1361), (207, 1541), (214, 1577),

Gene: Abscondus_14 Start: 3104, Stop: 3412, Start Num: 152

Candidate Starts for Abscondus_14:

(127, 3074), (Start: 152 @3104 has 485 MA's), (212, 3368),

Gene: Acme_2 Start: 781, Stop: 1089, Start Num: 152

Candidate Starts for Acme_2:

(Start: 152 @781 has 485 MA's), (192, 904), (207, 994), (214, 1030),

Gene: Acolyte_4 Start: 2122, Stop: 2418, Start Num: 152

Candidate Starts for Acolyte_4:

(Start: 152 @2122 has 485 MA's),

Gene: Adahisdi_1 Start: 600, Stop: 896, Start Num: 152

Candidate Starts for Adahisdi_1:

(Start: 118 @537 has 4 MA's), (Start: 134 @573 has 33 MA's), (140, 582), (Start: 152 @600 has 485 MA's), (192, 723), (207, 813), (214, 849),

Gene: Adolin_71 Start: 42654, Stop: 42956, Start Num: 149
Candidate Starts for Adolin_71:
(Start: 149 @42654 has 147 MA's), (190, 42771), (203, 42846), (216, 42945),

Gene: Adumb2043_68 Start: 42731, Stop: 43033, Start Num: 149
Candidate Starts for Adumb2043_68:
(Start: 149 @42731 has 147 MA's), (165, 42782), (170, 42797), (190, 42848), (203, 42923), (216, 43022),

Gene: Adzzy_4 Start: 2160, Stop: 2456, Start Num: 152
Candidate Starts for Adzzy_4:
(Start: 152 @2160 has 485 MA's), (199, 2328), (204, 2355),

Gene: Aeneas_1 Start: 595, Stop: 891, Start Num: 152
Candidate Starts for Aeneas_1:
(Start: 118 @532 has 4 MA's), (Start: 134 @568 has 33 MA's), (140, 577), (Start: 150 @592 has 51 MA's), (Start: 152 @595 has 485 MA's), (192, 718), (207, 808), (214, 844),

Gene: Agape74_5 Start: 2538, Stop: 2834, Start Num: 152
Candidate Starts for Agape74_5:
(Start: 152 @2538 has 485 MA's), (192, 2661),

Gene: AgentM_1 Start: 504, Stop: 803, Start Num: 139
Candidate Starts for AgentM_1:
(61, 372), (Start: 139 @504 has 40 MA's), (185, 612), (200, 684), (210, 753), (218, 798),

Gene: Aglet_1 Start: 526, Stop: 819, Start Num: 152
Candidate Starts for Aglet_1:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: AgronaGT15_1 Start: 518, Stop: 820, Start Num: 134
Candidate Starts for AgronaGT15_1:
(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Agueybana_85 Start: 52421, Stop: 52756, Start Num: 116
Candidate Starts for Agueybana_85:
(25, 52148), (Start: 116 @52421 has 27 MA's),

Gene: Airmid_1 Start: 517, Stop: 801, Start Num: 157
Candidate Starts for Airmid_1:
(Start: 139 @502 has 40 MA's), (Start: 157 @517 has 1 MA's), (185, 610), (210, 751), (218, 796),

Gene: Ajay_1 Start: 596, Stop: 892, Start Num: 152
Candidate Starts for Ajay_1:
(Start: 118 @533 has 4 MA's), (Start: 134 @569 has 33 MA's), (140, 578), (Start: 150 @593 has 51 MA's), (Start: 152 @596 has 485 MA's), (192, 719), (207, 809), (214, 845),

Gene: Aliter_4 Start: 2335, Stop: 2628, Start Num: 149
Candidate Starts for Aliter_4:
(Start: 128 @2308 has 3 MA's), (Start: 149 @2335 has 147 MA's), (185, 2437), (192, 2455),

Gene: Alma_4 Start: 2333, Stop: 2626, Start Num: 149

Candidate Starts for Alma_4:

(Start: 128 @2306 has 3 MA's), (Start: 149 @2333 has 147 MA's), (185, 2435), (192, 2453),

Gene: Alsaber_3 Start: 970, Stop: 1284, Start Num: 150

Candidate Starts for Alsaber_3:

(Start: 142 @964 has 3 MA's), (Start: 150 @970 has 51 MA's), (170, 1039), (194, 1114), (199, 1147),

Gene: Alsfro_2 Start: 778, Stop: 1083, Start Num: 152

Candidate Starts for Alsfro_2:

(Start: 141 @763 has 1 MA's), (Start: 152 @778 has 485 MA's), (192, 901), (202, 955), (207, 991), (214, 1027),

Gene: Altman_3 Start: 1297, Stop: 1593, Start Num: 152

Candidate Starts for Altman_3:

(Start: 124 @1249 has 1 MA's), (Start: 152 @1297 has 485 MA's), (192, 1420), (207, 1510), (214, 1546),

Gene: AlumE_82 Start: 52312, Stop: 52647, Start Num: 116

Candidate Starts for AlumE_82:

(25, 52039), (Start: 116 @52312 has 27 MA's),

Gene: Alvin_3 Start: 1213, Stop: 1509, Start Num: 152

Candidate Starts for Alvin_3:

(Start: 152 @1213 has 485 MA's), (192, 1336), (202, 1390), (207, 1426), (214, 1462),

Gene: Alvy_3 Start: 740, Stop: 1054, Start Num: 150

Candidate Starts for Alvy_3:

(Start: 150 @740 has 51 MA's), (194, 884),

Gene: Amela_2 Start: 787, Stop: 1275, Start Num: 62

Candidate Starts for Amela_2:

(Start: 62 @787 has 1 MA's), (63, 790), (65, 802), (68, 811), (89, 853), (94, 859), (Start: 142 @955 has 3 MA's), (Start: 150 @961 has 51 MA's), (170, 1030), (194, 1105), (199, 1138),

Gene: Amethyst_2 Start: 650, Stop: 964, Start Num: 150

Candidate Starts for Amethyst_2:

(Start: 141 @641 has 1 MA's), (Start: 150 @650 has 51 MA's), (183, 755), (194, 794), (199, 827),

Gene: Amyev_68 Start: 43916, Stop: 44218, Start Num: 149

Candidate Starts for Amyev_68:

(Start: 149 @43916 has 147 MA's), (170, 43982), (190, 44033), (200, 44099), (216, 44207),

Gene: Anaysia_4 Start: 2278, Stop: 2574, Start Num: 152

Candidate Starts for Anaysia_4:

(Start: 152 @2278 has 485 MA's), (178, 2368),

Gene: Andris_2 Start: 682, Stop: 996, Start Num: 150

Candidate Starts for Andris_2:

(Start: 150 @682 has 51 MA's), (194, 826), (199, 859),

Gene: Aneem_4 Start: 2356, Stop: 2652, Start Num: 152

Candidate Starts for Aneem_4:

(Start: 152 @2356 has 485 MA's), (Start: 162 @2389 has 3 MA's), (178, 2446), (218, 2647),

Gene: Angelique_76 Start: 50625, Stop: 50915, Start Num: 160

Candidate Starts for Angelique_76:

(9, 50097), (14, 50157), (16, 50160), (22, 50208), (33, 50289), (37, 50322), (48, 50376), (54, 50388), (112, 50526), (Start: 160 @50625 has 19 MA's),

Gene: Anglerfish_2 Start: 747, Stop: 1043, Start Num: 152

Candidate Starts for Anglerfish_2:

(Start: 152 @747 has 485 MA's), (192, 870), (207, 960), (214, 996),

Gene: Animus_3 Start: 1027, Stop: 1341, Start Num: 150

Candidate Starts for Animus_3:

(Start: 150 @1027 has 51 MA's), (170, 1096), (194, 1171),

Gene: AnnaL29_4 Start: 2278, Stop: 2574, Start Num: 152

Candidate Starts for AnnaL29_4:

(Start: 152 @2278 has 485 MA's), (192, 2401),

Gene: Anon_4 Start: 2182, Stop: 2478, Start Num: 152

Candidate Starts for Anon_4:

(Start: 152 @2182 has 485 MA's), (194, 2317),

Gene: Anselm_5 Start: 2674, Stop: 2970, Start Num: 152

Candidate Starts for Anselm_5:

(Start: 152 @2674 has 485 MA's), (192, 2797),

Gene: Anthony_1 Start: 406, Stop: 699, Start Num: 152

Candidate Starts for Anthony_1:

(Start: 152 @406 has 485 MA's),

Gene: Antonio_78 Start: 49950, Stop: 50285, Start Num: 116

Candidate Starts for Antonio_78:

(25, 49677), (Start: 116 @49950 has 27 MA's),

Gene: Anubis_3 Start: 526, Stop: 819, Start Num: 152

Candidate Starts for Anubis_3:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Aphelion_14 Start: 3268, Stop: 3576, Start Num: 152

Candidate Starts for Aphelion_14:

(127, 3238), (Start: 152 @3268 has 485 MA's), (203, 3460), (212, 3532),

Gene: Applejack_1 Start: 597, Stop: 893, Start Num: 152

Candidate Starts for Applejack_1:

(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: Apricot_101 Start: 51816, Stop: 52109, Start Num: 161

Candidate Starts for Apricot_101:

(88, 51666), (Start: 161 @51816 has 7 MA's),

Gene: Aragog_1 Start: 534, Stop: 833, Start Num: 139

Candidate Starts for Aragog_1:

(61, 372), (Start: 139 @534 has 40 MA's), (185, 642), (200, 714), (210, 783), (218, 828),

Gene: Arcanine_2 Start: 750, Stop: 1046, Start Num: 152

Candidate Starts for Arcanine_2:

(Start: 152 @750 has 485 MA's), (192, 873), (207, 963), (214, 999),

Gene: ArcherNM_4 Start: 2293, Stop: 2589, Start Num: 152

Candidate Starts for ArcherNM_4:

(Start: 152 @2293 has 485 MA's),

Gene: Archetta_1 Start: 534, Stop: 833, Start Num: 139

Candidate Starts for Archetta_1:

(61, 372), (Start: 139 @534 has 40 MA's), (185, 642), (200, 714), (210, 783), (218, 828),

Gene: Arianna_54 Start: 40153, Stop: 40458, Start Num: 155

Candidate Starts for Arianna_54:

(Start: 155 @40153 has 3 MA's), (176, 40228), (183, 40249), (199, 40330),

Gene: Arissanae_4 Start: 2121, Stop: 2414, Start Num: 149

Candidate Starts for Arissanae_4:

(Start: 149 @2121 has 147 MA's), (185, 2223), (192, 2241),

Gene: Arlo_2 Start: 747, Stop: 1043, Start Num: 152

Candidate Starts for Arlo_2:

(Start: 152 @747 has 485 MA's), (192, 870), (207, 960), (214, 996),

Gene: Artemis2UCLA_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Artemis2UCLA_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Asa16_69 Start: 43233, Stop: 43535, Start Num: 149

Candidate Starts for Asa16_69:

(Start: 149 @43233 has 147 MA's), (165, 43284), (170, 43299), (190, 43350), (203, 43425), (216, 43524),

Gene: Ascela_71 Start: 43822, Stop: 44124, Start Num: 149

Candidate Starts for Ascela_71:

(Start: 149 @43822 has 147 MA's), (170, 43888), (190, 43939), (203, 44014), (216, 44113),

Gene: Ashballer_1 Start: 598, Stop: 894, Start Num: 152

Candidate Starts for Ashballer_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Asten_2 Start: 729, Stop: 1040, Start Num: 149

Candidate Starts for Asten_2:

(Start: 67 @588 has 2 MA's), (82, 627), (Start: 149 @729 has 147 MA's), (171, 801), (196, 882),

Gene: Astro_1 Start: 505, Stop: 798, Start Num: 154

Candidate Starts for Astro_1:

(Start: 154 @505 has 8 MA's), (178, 592), (200, 679), (214, 757), (218, 793),

Gene: Atkinbua_1 Start: 597, Stop: 893, Start Num: 152

Candidate Starts for Atkinbua_1:
(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: Attoomi_53 Start: 41445, Stop: 41750, Start Num: 149
Candidate Starts for Attoomi_53:
(Start: 149 @41445 has 147 MA's), (178, 41532), (180, 41538), (192, 41577), (194, 41589),

Gene: AugsMagnumOpus_3 Start: 526, Stop: 819, Start Num: 152
Candidate Starts for AugsMagnumOpus_3:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Azira_67 Start: 45015, Stop: 45332, Start Num: 156
Candidate Starts for Azira_67:
(Start: 156 @45015 has 6 MA's), (196, 45153), (206, 45222),

Gene: BABullseye_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for BABullseye_4:
(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: BPBiebs31_2 Start: 832, Stop: 1128, Start Num: 152
Candidate Starts for BPBiebs31_2:
(Start: 124 @784 has 1 MA's), (Start: 152 @832 has 485 MA's), (192, 955), (207, 1045), (214, 1081),

Gene: BabyBack_4 Start: 2096, Stop: 2392, Start Num: 152
Candidate Starts for BabyBack_4:
(Start: 152 @2096 has 485 MA's),

Gene: BabyRay_1 Start: 458, Stop: 754, Start Num: 152
Candidate Starts for BabyRay_1:
(133, 449), (Start: 152 @458 has 485 MA's), (194, 593),

Gene: Bachita_15 Start: 3780, Stop: 4088, Start Num: 152
Candidate Starts for Bachita_15:
(127, 3750), (Start: 152 @3780 has 485 MA's), (212, 4044),

Gene: Bachome_4 Start: 2386, Stop: 2649, Start Num: 162
Candidate Starts for Bachome_4:
(Start: 152 @2353 has 485 MA's), (Start: 162 @2386 has 3 MA's), (178, 2443), (218, 2644),

Gene: BaconJack_2 Start: 750, Stop: 1046, Start Num: 152
Candidate Starts for BaconJack_2:
(Start: 152 @750 has 485 MA's), (192, 873), (207, 963), (214, 999),

Gene: Bactobuster_4 Start: 2106, Stop: 2402, Start Num: 152
Candidate Starts for Bactobuster_4:
(Start: 152 @2106 has 485 MA's), (181, 2205), (204, 2301),

Gene: Baehexic_5 Start: 2625, Stop: 2921, Start Num: 152
Candidate Starts for Baehexic_5:
(63, 2424), (Start: 152 @2625 has 485 MA's),

Gene: Bantam_8 Start: 4561, Stop: 4869, Start Num: 152

Candidate Starts for Bantam_8:

(Start: 141 @4546 has 1 MA's), (Start: 152 @4561 has 485 MA's), (173, 4633), (195, 4699),

Gene: Barnstormer_77 Start: 46434, Stop: 46733, Start Num: 149

Candidate Starts for Barnstormer_77:

(122, 46389), (Start: 149 @46434 has 147 MA's), (186, 46542), (190, 46551),

Gene: Barriga_2 Start: 749, Stop: 1045, Start Num: 152

Candidate Starts for Barriga_2:

(Start: 152 @749 has 485 MA's), (192, 872), (207, 962), (214, 998),

Gene: BarryBee_3 Start: 729, Stop: 1040, Start Num: 149

Candidate Starts for BarryBee_3:

(Start: 67 @588 has 2 MA's), (82, 627), (Start: 149 @729 has 147 MA's), (171, 801), (196, 882),

Gene: BartholomewSD_3 Start: 740, Stop: 1054, Start Num: 150

Candidate Starts for BartholomewSD_3:

(Start: 150 @740 has 51 MA's), (194, 884),

Gene: BatStarr_83 Start: 53046, Stop: 53381, Start Num: 116

Candidate Starts for BatStarr_83:

(25, 52773), (Start: 116 @53046 has 27 MA's), (191, 53232),

Gene: Battleship_5 Start: 2425, Stop: 2721, Start Num: 152

Candidate Starts for Battleship_5:

(Start: 152 @2425 has 485 MA's), (178, 2515),

Gene: BearBQ_102 Start: 54695, Stop: 54988, Start Num: 161

Candidate Starts for BearBQ_102:

(79, 54524), (Start: 161 @54695 has 7 MA's),

Gene: BeardedLady_2 Start: 739, Stop: 1053, Start Num: 149

Candidate Starts for BeardedLady_2:

(Start: 149 @739 has 147 MA's), (196, 895),

Gene: Beatrix_1 Start: 599, Stop: 895, Start Num: 152

Candidate Starts for Beatrix_1:

(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 150 @596 has 51 MA's), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: Beauxregard13_1 Start: 526, Stop: 819, Start Num: 152

Candidate Starts for Beauxregard13_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Beelzebub_96 Start: 49193, Stop: 49519, Start Num: 152

Candidate Starts for Beelzebub_96:

(145, 49187), (Start: 152 @49193 has 485 MA's), (Start: 163 @49235 has 7 MA's), (175, 49280), (193, 49340), (201, 49400), (209, 49460),

Gene: Beemo_4 Start: 2336, Stop: 2629, Start Num: 149

Candidate Starts for Beemo_4:

(Start: 128 @2309 has 3 MA's), (Start: 149 @2336 has 147 MA's), (185, 2438), (192, 2456),

Gene: BeesKnees_2 Start: 751, Stop: 1047, Start Num: 152
Candidate Starts for BeesKnees_2:
(Start: 152 @751 has 485 MA's), (192, 874), (202, 928), (207, 964), (214, 1000),

Gene: Benedict_1 Start: 503, Stop: 802, Start Num: 139
Candidate Starts for Benedict_1:
(Start: 139 @503 has 40 MA's), (Start: 157 @518 has 1 MA's), (185, 611), (210, 752), (218, 797),

Gene: BengiVuitton_4 Start: 2325, Stop: 2621, Start Num: 152
Candidate Starts for BengiVuitton_4:
(Start: 152 @2325 has 485 MA's), (192, 2448),

Gene: Benvolio_5 Start: 2672, Stop: 2968, Start Num: 152
Candidate Starts for Benvolio_5:
(Start: 152 @2672 has 485 MA's), (192, 2795),

Gene: Bernal13_59 Start: 40895, Stop: 41194, Start Num: 163
Candidate Starts for Bernal13_59:
(Start: 163 @40895 has 7 MA's), (196, 41018),

Gene: Berrie_69 Start: 43434, Stop: 43736, Start Num: 149
Candidate Starts for Berrie_69:
(Start: 149 @43434 has 147 MA's), (170, 43500), (190, 43551), (203, 43626), (216, 43725),

Gene: Bethlehem_2 Start: 748, Stop: 1044, Start Num: 152
Candidate Starts for Bethlehem_2:
(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: Bexan_1 Start: 599, Stop: 895, Start Num: 152
Candidate Starts for Bexan_1:
(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 150 @596 has 51 MA's), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: Bialota_79 Start: 51706, Stop: 52038, Start Num: 116
Candidate Starts for Bialota_79:
(25, 51433), (Start: 116 @51706 has 27 MA's),

Gene: BiancaTri92_4 Start: 2316, Stop: 2612, Start Num: 152
Candidate Starts for BiancaTri92_4:
(Start: 152 @2316 has 485 MA's), (191, 2433),

Gene: Big3_1 Start: 598, Stop: 894, Start Num: 152
Candidate Starts for Big3_1:
(Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: BigMau_3 Start: 748, Stop: 1044, Start Num: 152
Candidate Starts for BigMau_3:
(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: BigPaolini_1 Start: 596, Stop: 892, Start Num: 152
Candidate Starts for BigPaolini_1:

(Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719), (207, 809), (214, 845),

Gene: Bigfoot_1 Start: 598, Stop: 894, Start Num: 152

Candidate Starts for Bigfoot_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: BillKnuckles_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for BillKnuckles_2:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: Bircsak_2 Start: 835, Stop: 1131, Start Num: 152

Candidate Starts for Bircsak_2:

(Start: 124 @787 has 1 MA's), (Start: 152 @835 has 485 MA's), (192, 958), (207, 1048), (214, 1084),

Gene: Birdsong_96 Start: 52683, Stop: 52976, Start Num: 161

Candidate Starts for Birdsong_96:

(79, 52512), (Start: 161 @52683 has 7 MA's),

Gene: Blackbeetle_93 Start: 48691, Stop: 49017, Start Num: 152

Candidate Starts for Blackbeetle_93:

(135, 48664), (Start: 152 @48691 has 485 MA's), (Start: 163 @48733 has 7 MA's), (175, 48778), (193, 48838), (201, 48898), (209, 48958),

Gene: Blinn1_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Blinn1_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: BluSpix_1 Start: 597, Stop: 893, Start Num: 152

Candidate Starts for BluSpix_1:

(Start: 134 @570 has 33 MA's), (140, 579), (Start: 150 @594 has 51 MA's), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: Blue_3 Start: 1232, Stop: 1528, Start Num: 152

Candidate Starts for Blue_3:

(Start: 141 @1217 has 1 MA's), (Start: 152 @1232 has 485 MA's), (192, 1355), (207, 1445), (214, 1481),

Gene: Blue7_4 Start: 2132, Stop: 2428, Start Num: 152

Candidate Starts for Blue7_4:

(Start: 152 @2132 has 485 MA's), (194, 2267),

Gene: BlueBird_1 Start: 420, Stop: 716, Start Num: 152

Candidate Starts for BlueBird_1:

(Start: 152 @420 has 485 MA's), (194, 555),

Gene: Bob3_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for Bob3_2:

(Start: 152 @748 has 485 MA's), (207, 961), (214, 997),

Gene: BobSwaget_5 Start: 2538, Stop: 2834, Start Num: 152

Candidate Starts for BobSwaget_5:

(Start: 152 @2538 has 485 MA's),

Gene: BogosyJay_4 Start: 2102, Stop: 2395, Start Num: 149

Candidate Starts for BogosyJay_4:

(Start: 149 @2102 has 147 MA's), (185, 2204), (192, 2222),

Gene: Bones_1 Start: 598, Stop: 894, Start Num: 152

Candidate Starts for Bones_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Boohoo_4 Start: 2278, Stop: 2574, Start Num: 152

Candidate Starts for Boohoo_4:

(Start: 152 @2278 has 485 MA's), (178, 2368),

Gene: Bosnia_82 Start: 54160, Stop: 54495, Start Num: 116

Candidate Starts for Bosnia_82:

(25, 53887), (Start: 116 @54160 has 27 MA's), (191, 54346),

Gene: Bovely_2 Start: 740, Stop: 1054, Start Num: 149

Candidate Starts for Bovely_2:

(69, 629), (91, 656), (Start: 149 @740 has 147 MA's), (196, 896),

Gene: Bowden_2 Start: 639, Stop: 953, Start Num: 150

Candidate Starts for Bowden_2:

(Start: 150 @639 has 51 MA's), (194, 783),

Gene: Bowtie_4 Start: 2356, Stop: 2652, Start Num: 152

Candidate Starts for Bowtie_4:

(Start: 152 @2356 has 485 MA's), (Start: 162 @2389 has 3 MA's), (178, 2446), (218, 2647),

Gene: BoyNamedSue_82 Start: 52312, Stop: 52647, Start Num: 116

Candidate Starts for BoyNamedSue_82:

(25, 52039), (Start: 116 @52312 has 27 MA's),

Gene: Bradissa_76 Start: 51528, Stop: 51818, Start Num: 160

Candidate Starts for Bradissa_76:

(Start: 160 @51528 has 19 MA's),

Gene: Brataylor_2 Start: 590, Stop: 1036, Start Num: 67

Candidate Starts for Brataylor_2:

(64, 581), (Start: 67 @590 has 2 MA's), (Start: 149 @725 has 147 MA's), (171, 797), (182, 827), (192, 854),

Gene: BreSam8_1 Start: 518, Stop: 820, Start Num: 134

Candidate Starts for BreSam8_1:

(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: BritBrat_98 Start: 55168, Stop: 55455, Start Num: 160

Candidate Starts for BritBrat_98:

(102, 55045), (Start: 130 @55111 has 1 MA's), (Start: 134 @55117 has 33 MA's), (Start: 160 @55168 has 19 MA's),

Gene: Briton15_2 Start: 748, Stop: 1044, Start Num: 152
Candidate Starts for Briton15_2:
(Start: 152 @748 has 485 MA's), (192, 871), (202, 925), (207, 961), (214, 997),

Gene: BroPlease_1 Start: 591, Stop: 905, Start Num: 150
Candidate Starts for BroPlease_1:
(Start: 150 @591 has 51 MA's), (189, 708), (194, 735), (208, 837), (217, 900),

Gene: Bruns_1 Start: 596, Stop: 892, Start Num: 152
Candidate Starts for Bruns_1:
(Start: 118 @533 has 4 MA's), (Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719), (202, 773), (207, 809), (214, 845),

Gene: BrutonGaster_7 Start: 1661, Stop: 1969, Start Num: 152
Candidate Starts for BrutonGaster_7:
(90, 1544), (122, 1613), (Start: 152 @1661 has 485 MA's), (199, 1835), (205, 1871), (212, 1925), (216, 1961),

Gene: BryanRecycles_2 Start: 746, Stop: 1060, Start Num: 149
Candidate Starts for BryanRecycles_2:
(103, 668), (Start: 149 @746 has 147 MA's), (196, 902),

Gene: Bud_4 Start: 2362, Stop: 2658, Start Num: 152
Candidate Starts for Bud_4:
(Start: 152 @2362 has 485 MA's), (Start: 162 @2395 has 3 MA's), (178, 2452), (218, 2653),

Gene: Buggy_5 Start: 2549, Stop: 2845, Start Num: 152
Candidate Starts for Buggy_5:
(Start: 152 @2549 has 485 MA's), (192, 2672),

Gene: Bunnybear_78 Start: 50882, Stop: 51217, Start Num: 116
Candidate Starts for Bunnybear_78:
(25, 50609), (Start: 116 @50882 has 27 MA's),

Gene: Burton_2 Start: 750, Stop: 1046, Start Num: 152
Candidate Starts for Burton_2:
(Start: 152 @750 has 485 MA's), (207, 963), (214, 999),

Gene: Buttons_2 Start: 748, Stop: 1044, Start Num: 152
Candidate Starts for Buttons_2:
(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: Bxb1_1 Start: 599, Stop: 895, Start Num: 152
Candidate Starts for Bxb1_1:
(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: Bxz2_1 Start: 537, Stop: 830, Start Num: 152
Candidate Starts for Bxz2_1:
(Start: 134 @528 has 33 MA's), (Start: 152 @537 has 485 MA's), (170, 603),

Gene: C3_04 Start: 2344, Stop: 2640, Start Num: 152
Candidate Starts for C3_04:

(Start: 152 @2344 has 485 MA's),

Gene: CRB1_4 Start: 2473, Stop: 2769, Start Num: 152

Candidate Starts for CRB1_4:

(Start: 152 @2473 has 485 MA's), (192, 2596),

Gene: CactusRose_1 Start: 598, Stop: 894, Start Num: 152

Candidate Starts for CactusRose_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Caelum_3 Start: 669, Stop: 983, Start Num: 150

Candidate Starts for Caelum_3:

(137, 651), (Start: 141 @660 has 1 MA's), (Start: 150 @669 has 51 MA's), (194, 813), (199, 846),

Gene: Caliburn_2 Start: 739, Stop: 1053, Start Num: 149

Candidate Starts for Caliburn_2:

(Start: 149 @739 has 147 MA's), (196, 895),

Gene: Caprice_85 Start: 48629, Stop: 48955, Start Num: 152

Candidate Starts for Caprice_85:

(135, 48602), (Start: 152 @48629 has 485 MA's), (Start: 163 @48671 has 7 MA's), (175, 48716), (193, 48776), (201, 48836), (209, 48896),

Gene: Cardigan_14 Start: 3818, Stop: 4126, Start Num: 152

Candidate Starts for Cardigan_14:

(Start: 152 @3818 has 485 MA's), (199, 3992), (203, 4010), (206, 4031),

Gene: Carlyle_2 Start: 778, Stop: 1074, Start Num: 152

Candidate Starts for Carlyle_2:

(Start: 141 @763 has 1 MA's), (Start: 152 @778 has 485 MA's), (192, 901), (202, 955), (207, 991), (214, 1027),

Gene: Caron_82 Start: 47300, Stop: 47599, Start Num: 149

Candidate Starts for Caron_82:

(6, 46730), (8, 46799), (11, 46829), (26, 46961), (30, 46979), (56, 47102), (131, 47273), (Start: 149 @47300 has 147 MA's), (186, 47408), (190, 47417),

Gene: Cashline_76 Start: 52028, Stop: 52315, Start Num: 160

Candidate Starts for Cashline_76:

(46, 51776), (102, 51905), (Start: 130 @51971 has 1 MA's), (Start: 134 @51977 has 33 MA's), (Start: 138 @51983 has 3 MA's), (Start: 160 @52028 has 19 MA's), (Start: 166 @52058 has 1 MA's),

Gene: Cassia_68 Start: 43117, Stop: 43419, Start Num: 149

Candidate Starts for Cassia_68:

(Start: 149 @43117 has 147 MA's), (170, 43183), (203, 43309), (216, 43408),

Gene: Catalina_4 Start: 2335, Stop: 2628, Start Num: 149

Candidate Starts for Catalina_4:

(Start: 128 @2308 has 3 MA's), (Start: 149 @2335 has 147 MA's), (185, 2437), (192, 2455),

Gene: Caviar_1 Start: 445, Stop: 741, Start Num: 152

Candidate Starts for Caviar_1:

(Start: 152 @445 has 485 MA's), (194, 580),

Gene: Celery_4 Start: 962, Stop: 1276, Start Num: 150

Candidate Starts for Celery_4:

(65, 803), (68, 812), (89, 854), (94, 860), (Start: 142 @956 has 3 MA's), (Start: 150 @962 has 51 MA's), (170, 1031), (194, 1106), (199, 1139),

Gene: Celeste_2 Start: 725, Stop: 1036, Start Num: 149

Candidate Starts for Celeste_2:

(64, 581), (Start: 67 @590 has 2 MA's), (Start: 149 @725 has 147 MA's), (171, 797), (182, 827), (192, 854),

Gene: Celia_2 Start: 744, Stop: 1058, Start Num: 150

Candidate Starts for Celia_2:

(Start: 150 @744 has 51 MA's), (194, 888),

Gene: Centaur_5 Start: 2621, Stop: 2917, Start Num: 152

Candidate Starts for Centaur_5:

(63, 2420), (Start: 152 @2621 has 485 MA's),

Gene: Cerulean_1 Start: 461, Stop: 763, Start Num: 147

Candidate Starts for Cerulean_1:

(Start: 147 @461 has 2 MA's), (170, 536), (214, 722),

Gene: Chadwick_1 Start: 501, Stop: 800, Start Num: 139

Candidate Starts for Chadwick_1:

(Start: 139 @501 has 40 MA's), (Start: 157 @516 has 1 MA's), (185, 609), (210, 750), (218, 795),

Gene: ChampagnePapi_1 Start: 355, Stop: 762, Start Num: 96

Candidate Starts for ChampagnePapi_1:

(Start: 96 @355 has 2 MA's), (Start: 147 @460 has 2 MA's), (170, 535), (214, 721),

Gene: Chanagan_2 Start: 749, Stop: 1045, Start Num: 152

Candidate Starts for Chanagan_2:

(Start: 152 @749 has 485 MA's), (192, 872), (207, 962), (214, 998),

Gene: Changeling_4 Start: 2293, Stop: 2589, Start Num: 152

Candidate Starts for Changeling_4:

(Start: 152 @2293 has 485 MA's),

Gene: Chargerpower_5 Start: 2445, Stop: 2744, Start Num: 152

Candidate Starts for Chargerpower_5:

(Start: 152 @2445 has 485 MA's),

Gene: Charm_4 Start: 2108, Stop: 2401, Start Num: 149

Candidate Starts for Charm_4:

(Start: 149 @2108 has 147 MA's), (178, 2195), (185, 2210), (192, 2228),

Gene: Che12_4 Start: 2115, Stop: 2411, Start Num: 152

Candidate Starts for Che12_4:

(Start: 152 @2115 has 485 MA's),

Gene: ChipMunk_5 Start: 2559, Stop: 2855, Start Num: 152

Candidate Starts for ChipMunk_5:
(Start: 152 @2559 has 485 MA's), (192, 2682),

Gene: Chucky_2 Start: 730, Stop: 1041, Start Num: 149
Candidate Starts for Chucky_2:
(Start: 67 @589 has 2 MA's), (82, 628), (Start: 149 @730 has 147 MA's), (171, 802), (196, 883),

Gene: Chupacabra_1 Start: 460, Stop: 756, Start Num: 139
Candidate Starts for Chupacabra_1:
(Start: 139 @460 has 40 MA's),

Gene: Ciao_1 Start: 598, Stop: 906, Start Num: 152
Candidate Starts for Ciao_1:
(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Cindaradix_1 Start: 358, Stop: 765, Start Num: 97
Candidate Starts for Cindaradix_1:
(Start: 97 @358 has 1 MA's), (170, 538), (214, 724),

Gene: Clarkson_93 Start: 48873, Stop: 49199, Start Num: 152
Candidate Starts for Clarkson_93:
(145, 48867), (Start: 152 @48873 has 485 MA's), (Start: 163 @48915 has 7 MA's), (175, 48960), (193, 49020), (201, 49080), (209, 49140),

Gene: CloudWang3_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for CloudWang3_4:
(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: ClubL_14 Start: 3280, Stop: 3588, Start Num: 152
Candidate Starts for ClubL_14:
(127, 3250), (Start: 152 @3280 has 485 MA's), (212, 3544),

Gene: Colbster_1 Start: 517, Stop: 819, Start Num: 134
Candidate Starts for Colbster_1:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Colin_5 Start: 2440, Stop: 2736, Start Num: 152
Candidate Starts for Colin_5:
(Start: 152 @2440 has 485 MA's), (192, 2563),

Gene: Community_70 Start: 43720, Stop: 44022, Start Num: 149
Candidate Starts for Community_70:
(Start: 149 @43720 has 147 MA's), (170, 43786), (190, 43837), (203, 43912), (216, 44011),

Gene: Conan_4 Start: 975, Stop: 1289, Start Num: 150
Candidate Starts for Conan_4:
(64, 822), (80, 855), (87, 861), (89, 867), (Start: 142 @969 has 3 MA's), (Start: 150 @975 has 51 MA's), (170, 1044), (194, 1119), (199, 1152),

Gene: ConceptII_2 Start: 835, Stop: 1131, Start Num: 152
Candidate Starts for ConceptII_2:
(Start: 124 @787 has 1 MA's), (Start: 152 @835 has 485 MA's), (192, 958), (207, 1048), (214, 1084),

Gene: Conquerage_4 Start: 2332, Stop: 2625, Start Num: 149
Candidate Starts for Conquerage_4:
(Start: 128 @2305 has 3 MA's), (Start: 149 @2332 has 147 MA's), (185, 2434), (192, 2452),

Gene: Conspiracy_1 Start: 535, Stop: 834, Start Num: 139
Candidate Starts for Conspiracy_1:
(Start: 139 @535 has 40 MA's), (185, 643), (200, 715), (210, 784), (218, 829),

Gene: Coog_1 Start: 503, Stop: 802, Start Num: 139
Candidate Starts for Coog_1:
(59, 368), (Start: 139 @503 has 40 MA's), (185, 611), (200, 683), (210, 752), (218, 797),

Gene: Cookiedough_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for Cookiedough_4:
(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Corazon_87 Start: 49067, Stop: 49393, Start Num: 152
Candidate Starts for Corazon_87:
(145, 49061), (Start: 152 @49067 has 485 MA's), (Start: 163 @49109 has 7 MA's), (175, 49154), (193, 49214), (201, 49274), (209, 49334),

Gene: Corvo_2 Start: 751, Stop: 1047, Start Num: 152
Candidate Starts for Corvo_2:
(Start: 152 @751 has 485 MA's), (192, 874), (207, 964), (214, 1000),

Gene: Crater_100 Start: 52160, Stop: 52453, Start Num: 161
Candidate Starts for Crater_100:
(88, 52010), (Start: 161 @52160 has 7 MA's),

Gene: Crewmate_74 Start: 43978, Stop: 44280, Start Num: 149
Candidate Starts for Crewmate_74:
(Start: 149 @43978 has 147 MA's), (203, 44170), (216, 44269),

Gene: Crispicious1_1 Start: 599, Stop: 895, Start Num: 152
Candidate Starts for Crispicious1_1:
(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: Crucio_5 Start: 2567, Stop: 2863, Start Num: 152
Candidate Starts for Crucio_5:
(Start: 152 @2567 has 485 MA's), (192, 2690),

Gene: Cuco_1 Start: 533, Stop: 832, Start Num: 139
Candidate Starts for Cuco_1:
(61, 371), (Start: 139 @533 has 40 MA's), (185, 641), (200, 713), (210, 782), (218, 827),

Gene: Cucurbita_13 Start: 3280, Stop: 3588, Start Num: 152
Candidate Starts for Cucurbita_13:
(127, 3250), (Start: 152 @3280 has 485 MA's), (212, 3544),

Gene: Cueyllyss_1 Start: 598, Stop: 894, Start Num: 152
Candidate Starts for Cueyllyss_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Cullens_1 Start: 517, Stop: 819, Start Num: 134

Candidate Starts for Cullens_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Culver_13 Start: 3104, Stop: 3412, Start Num: 152

Candidate Starts for Culver_13:

(127, 3074), (Start: 152 @3104 has 485 MA's), (212, 3368),

Gene: Cyan_70 Start: 43301, Stop: 43603, Start Num: 149

Candidate Starts for Cyan_70:

(Start: 149 @43301 has 147 MA's), (165, 43352), (170, 43367), (190, 43418), (203, 43493), (216, 43592),

Gene: D29_4 Start: 2345, Stop: 2641, Start Num: 152

Candidate Starts for D29_4:

(Start: 152 @2345 has 485 MA's),

Gene: D32_4 Start: 2345, Stop: 2641, Start Num: 152

Candidate Starts for D32_4:

(Start: 152 @2345 has 485 MA's),

Gene: DBQu4n_4 Start: 2345, Stop: 2641, Start Num: 152

Candidate Starts for DBQu4n_4:

(Start: 152 @2345 has 485 MA's),

Gene: DD5_2 Start: 739, Stop: 1035, Start Num: 152

Candidate Starts for DD5_2:

(Start: 152 @739 has 485 MA's), (192, 862), (202, 916), (207, 952), (214, 988),

Gene: DaHudson_1 Start: 526, Stop: 819, Start Num: 152

Candidate Starts for DaHudson_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: DaVinci_4 Start: 2144, Stop: 2440, Start Num: 152

Candidate Starts for DaVinci_4:

(Start: 152 @2144 has 485 MA's), (194, 2279),

Gene: Daishi_1 Start: 518, Stop: 820, Start Num: 134

Candidate Starts for Daishi_1:

(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Dalmatian_5 Start: 2671, Stop: 2967, Start Num: 152

Candidate Starts for Dalmatian_5:

(Start: 152 @2671 has 485 MA's), (192, 2794),

Gene: Danzina_2 Start: 679, Stop: 1011, Start Num: 130

Candidate Starts for Danzina_2:

(1, 34), (3, 43), (4, 70), (7, 142), (31, 406), (40, 466), (45, 490), (49, 499), (Start: 114 @649 has 1 MA's), (Start: 130 @679 has 1 MA's), (Start: 149 @700 has 147 MA's), (180, 796), (182, 802), (192, 829), (203, 892),

Gene: Daredevil_10 Start: 3047, Stop: 3349, Start Num: 152
Candidate Starts for Daredevil_10:
(Start: 152 @3047 has 485 MA's), (169, 3104), (170, 3107), (199, 3215),

Gene: Darrell_4 Start: 2217, Stop: 2510, Start Num: 149
Candidate Starts for Darrell_4:
(Start: 149 @2217 has 147 MA's), (185, 2319), (192, 2337),

Gene: DarthPhader_4 Start: 2246, Stop: 2542, Start Num: 150
Candidate Starts for DarthPhader_4:
(Start: 150 @2246 has 51 MA's),

Gene: DatBoi_9 Start: 5103, Stop: 5411, Start Num: 152
Candidate Starts for DatBoi_9:
(85, 4968), (105, 5004), (Start: 152 @5103 has 485 MA's), (173, 5175), (216, 5400),

Gene: Dattran_2 Start: 723, Stop: 1034, Start Num: 149
Candidate Starts for Dattran_2:
(Start: 67 @588 has 2 MA's), (Start: 149 @723 has 147 MA's), (171, 795), (182, 825), (192, 852),
(203, 915),

Gene: Daudau_2 Start: 579, Stop: 968, Start Num: 107
Candidate Starts for Daudau_2:
(Start: 107 @579 has 1 MA's), (Start: 141 @645 has 1 MA's), (Start: 150 @654 has 51 MA's), (194,
798),

Gene: DekHockey33_4 Start: 2425, Stop: 2721, Start Num: 152
Candidate Starts for DekHockey33_4:
(Start: 152 @2425 has 485 MA's), (178, 2515),

Gene: Deloris_4 Start: 2325, Stop: 2621, Start Num: 152
Candidate Starts for Deloris_4:
(Start: 152 @2325 has 485 MA's), (192, 2448),

Gene: Dexes_2 Start: 782, Stop: 1078, Start Num: 152
Candidate Starts for Dexes_2:
(Start: 152 @782 has 485 MA's), (192, 905), (207, 995), (214, 1031),

Gene: Diane_2 Start: 652, Stop: 966, Start Num: 150
Candidate Starts for Diane_2:
(Start: 141 @643 has 1 MA's), (Start: 150 @652 has 51 MA's), (194, 796), (199, 829),

Gene: Dieselweasel_1 Start: 517, Stop: 819, Start Num: 134
Candidate Starts for Dieselweasel_1:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Dignity_5 Start: 2547, Stop: 2843, Start Num: 152
Candidate Starts for Dignity_5:
(Start: 152 @2547 has 485 MA's), (192, 2670),

Gene: Discoknowium_1 Start: 534, Stop: 833, Start Num: 139
Candidate Starts for Discoknowium_1:

(61, 372), (Start: 139 @534 has 40 MA's), (185, 642), (200, 714), (210, 783), (218, 828),

Gene: Dixon_1 Start: 505, Stop: 798, Start Num: 154

Candidate Starts for Dixon_1:

(Start: 154 @505 has 8 MA's), (178, 592), (200, 679), (214, 757), (218, 793),

Gene: Doom_1 Start: 596, Stop: 892, Start Num: 152

Candidate Starts for Doom_1:

(Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719), (207, 809), (214, 845),

Gene: Dorothea_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Dorothea_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: DrFeelGood_1 Start: 596, Stop: 892, Start Num: 152

Candidate Starts for DrFeelGood_1:

(Start: 118 @533 has 4 MA's), (Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719), (207, 809), (214, 845),

Gene: DrManhattan_72 Start: 42208, Stop: 42510, Start Num: 149

Candidate Starts for DrManhattan_72:

(Start: 149 @42208 has 147 MA's), (190, 42325), (203, 42400), (216, 42499),

Gene: DrSierra_66 Start: 42253, Stop: 42555, Start Num: 149

Candidate Starts for DrSierra_66:

(Start: 149 @42253 has 147 MA's), (170, 42319), (190, 42370), (203, 42445), (216, 42544),

Gene: Drake55_5 Start: 2627, Stop: 2923, Start Num: 152

Candidate Starts for Drake55_5:

(63, 2426), (Start: 152 @2627 has 485 MA's),

Gene: Drake94_1 Start: 472, Stop: 768, Start Num: 139

Candidate Starts for Drake94_1:

(41, 247), (Start: 139 @472 has 40 MA's), (194, 607),

Gene: Dre3_68 Start: 45474, Stop: 45806, Start Num: 156

Candidate Starts for Dre3_68:

(144, 45456), (Start: 156 @45474 has 6 MA's),

Gene: DreamCatcher_2 Start: 1332, Stop: 1622, Start Num: 160

Candidate Starts for DreamCatcher_2:

(21, 897), (36, 1014), (86, 1170), (90, 1179), (92, 1182), (Start: 160 @1332 has 19 MA's), (164, 1359), (207, 1539), (214, 1575),

Gene: DreamTeam1_4 Start: 2108, Stop: 2401, Start Num: 149

Candidate Starts for DreamTeam1_4:

(Start: 149 @2108 has 147 MA's), (178, 2195), (185, 2210), (192, 2228),

Gene: Dreamboat_2 Start: 863, Stop: 1171, Start Num: 152

Candidate Starts for Dreamboat_2:

(Start: 124 @815 has 1 MA's), (Start: 152 @863 has 485 MA's), (192, 986), (207, 1076), (214, 1112),

Gene: DroogsArmy_1 Start: 408, Stop: 704, Start Num: 152
Candidate Starts for DroogsArmy_1:
(93, 297), (Start: 152 @408 has 485 MA's), (210, 654), (215, 672),

Gene: DudeLittle_5 Start: 2671, Stop: 2967, Start Num: 152
Candidate Starts for DudeLittle_5:
(Start: 152 @2671 has 485 MA's), (192, 2794),

Gene: Dulcie_1 Start: 596, Stop: 892, Start Num: 152
Candidate Starts for Dulcie_1:
(119, 533), (Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719),
(214, 845),

Gene: Duplo_4 Start: 2345, Stop: 2641, Start Num: 152
Candidate Starts for Duplo_4:
(Start: 152 @2345 has 485 MA's),

Gene: Dussy_2 Start: 758, Stop: 1054, Start Num: 152
Candidate Starts for Dussy_2:
(Start: 152 @758 has 485 MA's), (192, 881), (202, 935), (207, 971), (214, 1007),

Gene: Dusty_13 Start: 3104, Stop: 3412, Start Num: 152
Candidate Starts for Dusty_13:
(127, 3074), (Start: 152 @3104 has 485 MA's), (212, 3368),

Gene: Dwayne_2 Start: 730, Stop: 1041, Start Num: 149
Candidate Starts for Dwayne_2:
(Start: 67 @589 has 2 MA's), (82, 628), (Start: 149 @730 has 147 MA's), (171, 802), (196, 883),

Gene: Dynamix_2 Start: 747, Stop: 1043, Start Num: 152
Candidate Starts for Dynamix_2:
(Start: 152 @747 has 485 MA's), (192, 870), (207, 960), (214, 996),

Gene: EMSquaredA_80 Start: 50168, Stop: 50458, Start Num: 160
Candidate Starts for EMSquaredA_80:
(10, 49655), (27, 49805), (29, 49814), (32, 49841), (34, 49859), (39, 49883), (48, 49922), (54, 49934),
(57, 49937), (112, 50072), (Start: 160 @50168 has 19 MA's),

Gene: EZMoney23_4 Start: 2295, Stop: 2591, Start Num: 152
Candidate Starts for EZMoney23_4:
(Start: 152 @2295 has 485 MA's),

Gene: EagleEye_4 Start: 2125, Stop: 2418, Start Num: 149
Candidate Starts for EagleEye_4:
(Start: 149 @2125 has 147 MA's), (170, 2191), (185, 2227), (192, 2245), (194, 2257),

Gene: Eaglepride_1 Start: 473, Stop: 769, Start Num: 139
Candidate Starts for Eaglepride_1:
(94, 386), (Start: 139 @473 has 40 MA's),

Gene: Ebony_4 Start: 2395, Stop: 2658, Start Num: 162
Candidate Starts for Ebony_4:
(Start: 152 @2362 has 485 MA's), (Start: 162 @2395 has 3 MA's), (178, 2452), (218, 2653),

Gene: Echild_5 Start: 2672, Stop: 2968, Start Num: 152

Candidate Starts for Echild_5:

(Start: 152 @2672 has 485 MA's), (192, 2795),

Gene: Eddasa_2 Start: 746, Stop: 1060, Start Num: 149

Candidate Starts for Eddasa_2:

(103, 668), (Start: 149 @746 has 147 MA's), (196, 902),

Gene: Edison31_1 Start: 464, Stop: 760, Start Num: 139

Candidate Starts for Edison31_1:

(Start: 139 @464 has 40 MA's),

Gene: Edtherson_2 Start: 749, Stop: 1045, Start Num: 152

Candidate Starts for Edtherson_2:

(Start: 152 @749 has 485 MA's), (192, 872), (207, 962), (214, 998),

Gene: Eidsmoe_4 Start: 2332, Stop: 2625, Start Num: 149

Candidate Starts for Eidsmoe_4:

(Start: 128 @2305 has 3 MA's), (Start: 149 @2332 has 147 MA's), (185, 2434), (192, 2452),

Gene: Ejemplo_2 Start: 730, Stop: 1041, Start Num: 149

Candidate Starts for Ejemplo_2:

(Start: 67 @589 has 2 MA's), (82, 628), (Start: 149 @730 has 147 MA's), (171, 802), (182, 832), (192, 859), (203, 922),

Gene: ElGato_4 Start: 978, Stop: 1292, Start Num: 150

Candidate Starts for ElGato_4:

(64, 825), (80, 858), (87, 864), (89, 870), (Start: 142 @972 has 3 MA's), (Start: 150 @978 has 51 MA's), (170, 1047), (194, 1122), (199, 1155),

Gene: ElTiger69_1 Start: 502, Stop: 801, Start Num: 139

Candidate Starts for ElTiger69_1:

(Start: 139 @502 has 40 MA's), (Start: 157 @517 has 1 MA's), (185, 610), (210, 751), (218, 796),

Gene: Elener_66 Start: 39019, Stop: 39270, Start Num: 168

Candidate Starts for Elener_66:

(58, 38734), (104, 38851), (Start: 115 @38878 has 3 MA's), (136, 38926), (159, 38974), (168, 39019), (177, 39043), (188, 39073), (196, 39112), (197, 39118), (212, 39241),

Gene: Elephantoon_4 Start: 2095, Stop: 2388, Start Num: 149

Candidate Starts for Elephantoon_4:

(Start: 149 @2095 has 147 MA's), (185, 2197), (192, 2215),

Gene: Elezi_68 Start: 43103, Stop: 43405, Start Num: 149

Candidate Starts for Elezi_68:

(Start: 149 @43103 has 147 MA's), (165, 43154), (170, 43169), (190, 43220), (203, 43295), (216, 43394),

Gene: Emaanora_3 Start: 729, Stop: 1040, Start Num: 149

Candidate Starts for Emaanora_3:

(Start: 67 @588 has 2 MA's), (82, 627), (Start: 149 @729 has 147 MA's), (171, 801), (196, 882),

Gene: Emotion_74 Start: 44679, Stop: 45029, Start Num: 148

Candidate Starts for Emotion_74:

(Start: 148 @44679 has 1 MA's), (216, 44970),

Gene: EmyBug_4 Start: 2332, Stop: 2625, Start Num: 149

Candidate Starts for EmyBug_4:

(Start: 128 @2305 has 3 MA's), (Start: 149 @2332 has 147 MA's), (185, 2434), (192, 2452),

Gene: EnalisNailo_76 Start: 50668, Stop: 50958, Start Num: 160

Candidate Starts for EnalisNailo_76:

(33, 50335), (48, 50422), (54, 50434), (57, 50437), (112, 50572), (Start: 160 @50668 has 19 MA's),

Gene: Engineer_14 Start: 3268, Stop: 3576, Start Num: 152

Candidate Starts for Engineer_14:

(127, 3238), (Start: 152 @3268 has 485 MA's), (203, 3460), (212, 3532),

Gene: EnochSoames_2 Start: 742, Stop: 1056, Start Num: 150

Candidate Starts for EnochSoames_2:

(Start: 67 @613 has 2 MA's), (Start: 141 @733 has 1 MA's), (Start: 150 @742 has 51 MA's), (196, 898),

Gene: EpicPhail_1 Start: 526, Stop: 819, Start Num: 152

Candidate Starts for EpicPhail_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Epsocamisio_4 Start: 2278, Stop: 2574, Start Num: 152

Candidate Starts for Epsocamisio_4:

(Start: 152 @2278 has 485 MA's), (178, 2368),

Gene: Equemioh13_5 Start: 2624, Stop: 2920, Start Num: 152

Candidate Starts for Equemioh13_5:

(63, 2423), (Start: 152 @2624 has 485 MA's),

Gene: Eraser_69 Start: 43240, Stop: 43542, Start Num: 149

Candidate Starts for Eraser_69:

(Start: 149 @43240 has 147 MA's), (165, 43291), (170, 43306), (190, 43357), (203, 43432), (216, 43531),

Gene: EricB_4 Start: 2144, Stop: 2440, Start Num: 152

Candidate Starts for EricB_4:

(Start: 152 @2144 has 485 MA's), (194, 2279),

Gene: Esperer_2 Start: 740, Stop: 1054, Start Num: 149

Candidate Starts for Esperer_2:

(69, 629), (91, 656), (Start: 149 @740 has 147 MA's), (196, 896),

Gene: Espresso_2 Start: 832, Stop: 1128, Start Num: 152

Candidate Starts for Espresso_2:

(Start: 124 @784 has 1 MA's), (Start: 152 @832 has 485 MA's), (192, 955), (202, 1009), (207, 1045), (214, 1081),

Gene: Eudoria_79 Start: 49950, Stop: 50285, Start Num: 116

Candidate Starts for Eudoria_79:

(25, 49677), (Start: 116 @49950 has 27 MA's),

Gene: Euphoria_2 Start: 736, Stop: 1032, Start Num: 152

Candidate Starts for Euphoria_2:

(Start: 152 @736 has 485 MA's), (192, 859), (202, 913), (207, 949), (214, 985),

Gene: Eviarto_84 Start: 53021, Stop: 53356, Start Num: 116

Candidate Starts for Eviarto_84:

(25, 52748), (Start: 116 @53021 has 27 MA's), (191, 53207),

Gene: EvilGenius_5 Start: 2559, Stop: 2855, Start Num: 152

Candidate Starts for EvilGenius_5:

(Start: 152 @2559 has 485 MA's), (192, 2682),

Gene: Exile_60 Start: 43770, Stop: 44069, Start Num: 149

Candidate Starts for Exile_60:

(79, 43632), (Start: 149 @43770 has 147 MA's), (170, 43836), (190, 43887), (216, 44061),

Gene: ExplosioNervosa_4 Start: 2308, Stop: 2628, Start Num: 128

Candidate Starts for ExplosioNervosa_4:

(Start: 128 @2308 has 3 MA's), (Start: 149 @2335 has 147 MA's), (185, 2437), (192, 2455),

Gene: Eyeball_1 Start: 599, Stop: 895, Start Num: 152

Candidate Starts for Eyeball_1:

(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: Fajezeel_2 Start: 749, Stop: 1057, Start Num: 152

Candidate Starts for Fajezeel_2:

(Start: 152 @749 has 485 MA's), (192, 872), (207, 962), (214, 998),

Gene: Fameo_5 Start: 2671, Stop: 2967, Start Num: 152

Candidate Starts for Fameo_5:

(Start: 152 @2671 has 485 MA's), (192, 2794),

Gene: Farber_1 Start: 527, Stop: 820, Start Num: 152

Candidate Starts for Farber_1:

(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Farewell_96 Start: 61361, Stop: 61663, Start Num: 158

Candidate Starts for Farewell_96:

(63, 61136), (101, 61232), (113, 61265), (126, 61301), (Start: 130 @61307 has 1 MA's), (Start: 158 @61361 has 2 MA's), (Start: 166 @61394 has 1 MA's), (220, 61652),

Gene: Fascinus_1 Start: 599, Stop: 895, Start Num: 152

Candidate Starts for Fascinus_1:

(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: Fayely_4 Start: 2335, Stop: 2628, Start Num: 149

Candidate Starts for Fayely_4:

(Start: 128 @2308 has 3 MA's), (Start: 149 @2335 has 147 MA's), (185, 2437), (192, 2455),

Gene: FeliMaine_88 Start: 49157, Stop: 49441, Start Num: 163

Candidate Starts for FeliMaine_88:

(145, 49109), (Start: 152 @49115 has 485 MA's), (Start: 163 @49157 has 7 MA's), (175, 49202), (193, 49262), (201, 49322), (209, 49382),

Gene: Fenn_1 Start: 606, Stop: 902, Start Num: 152

Candidate Starts for Fenn_1:

(Start: 118 @543 has 4 MA's), (Start: 134 @579 has 33 MA's), (140, 588), (Start: 152 @606 has 485 MA's), (192, 729), (202, 783), (207, 819), (214, 855),

Gene: Fernando_1 Start: 526, Stop: 819, Start Num: 152

Candidate Starts for Fernando_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Fibonacci_4 Start: 2359, Stop: 2655, Start Num: 152

Candidate Starts for Fibonacci_4:

(Start: 152 @2359 has 485 MA's), (Start: 162 @2392 has 3 MA's), (178, 2449), (218, 2650),

Gene: FiringLine_5 Start: 2568, Stop: 2864, Start Num: 152

Candidate Starts for FiringLine_5:

(Start: 152 @2568 has 485 MA's), (192, 2691),

Gene: First_004 Start: 2483, Stop: 2779, Start Num: 152

Candidate Starts for First_004:

(Start: 152 @2483 has 485 MA's),

Gene: Flare16_5 Start: 2624, Stop: 2920, Start Num: 152

Candidate Starts for Flare16_5:

(63, 2423), (Start: 152 @2624 has 485 MA's),

Gene: Flaverint_4 Start: 2356, Stop: 2652, Start Num: 152

Candidate Starts for Flaverint_4:

(Start: 152 @2356 has 485 MA's), (Start: 162 @2389 has 3 MA's), (178, 2446), (218, 2647),

Gene: Floof_81 Start: 48040, Stop: 48342, Start Num: 149

Candidate Starts for Floof_81:

(50, 47851), (91, 47941), (120, 47998), (Start: 149 @48040 has 147 MA's), (170, 48106), (194, 48181), (196, 48193),

Gene: Floral_80 Start: 52125, Stop: 52415, Start Num: 160

Candidate Starts for Floral_80:

(10, 51612), (27, 51762), (29, 51771), (32, 51798), (34, 51816), (39, 51840), (48, 51879), (54, 51891), (57, 51894), (112, 52029), (Start: 160 @52125 has 19 MA's),

Gene: FlyCatcher_1 Start: 396, Stop: 692, Start Num: 142

Candidate Starts for FlyCatcher_1:

(95, 300), (Start: 142 @396 has 3 MA's), (210, 642),

Gene: Footloose_71 Start: 39222, Stop: 39524, Start Num: 149

Candidate Starts for Footloose_71:

(Start: 149 @39222 has 147 MA's), (170, 39288), (199, 39393), (205, 39429),

Gene: ForGetIt_1 Start: 561, Stop: 860, Start Num: 139

Candidate Starts for ForGetIt_1:

(61, 372), (Start: 139 @561 has 40 MA's), (185, 669), (200, 741), (210, 810), (218, 855),

Gene: Forsytheast_1 Start: 596, Stop: 892, Start Num: 152

Candidate Starts for Forsytheast_1:

(Start: 118 @533 has 4 MA's), (Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719), (202, 773), (207, 809), (214, 845),

Gene: Francis47_2 Start: 835, Stop: 1131, Start Num: 152

Candidate Starts for Francis47_2:

(Start: 124 @787 has 1 MA's), (Start: 152 @835 has 485 MA's), (192, 958), (207, 1048), (214, 1084),

Gene: Fred313_1 Start: 416, Stop: 712, Start Num: 138

Candidate Starts for Fred313_1:

(78, 293), (133, 410), (Start: 138 @416 has 3 MA's), (194, 551),

Gene: Fribs8_67 Start: 45643, Stop: 45981, Start Num: 156

Candidate Starts for Fribs8_67:

(Start: 156 @45643 has 6 MA's), (196, 45781), (206, 45850),

Gene: Froghopper_2 Start: 749, Stop: 1045, Start Num: 152

Candidate Starts for Froghopper_2:

(Start: 152 @749 has 485 MA's), (192, 872), (207, 962), (214, 998),

Gene: Fushigi_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for Fushigi_2:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: GageAP_2 Start: 986, Stop: 1282, Start Num: 152

Candidate Starts for GageAP_2:

(Start: 152 @986 has 485 MA's), (192, 1109), (207, 1199), (214, 1235),

Gene: Gail_4 Start: 2396, Stop: 2692, Start Num: 152

Candidate Starts for Gail_4:

(Start: 152 @2396 has 485 MA's), (184, 2498), (190, 2507), (191, 2513),

Gene: Gambol_67 Start: 39695, Stop: 39997, Start Num: 148

Candidate Starts for Gambol_67:

(Start: 148 @39695 has 1 MA's), (167, 39755), (170, 39761),

Gene: Gandalf20_2 Start: 843, Stop: 1139, Start Num: 152

Candidate Starts for Gandalf20_2:

(Start: 124 @795 has 1 MA's), (Start: 152 @843 has 485 MA's), (192, 966), (202, 1020), (207, 1056), (214, 1092),

Gene: GardenState_76 Start: 44995, Stop: 45294, Start Num: 149

Candidate Starts for GardenState_76:

(Start: 134 @44971 has 33 MA's), (Start: 149 @44995 has 147 MA's),

Gene: Gattaca_91 Start: 49103, Stop: 49429, Start Num: 151

Candidate Starts for Gattaca_91:

(Start: 151 @49103 has 2 MA's), (Start: 163 @49145 has 7 MA's), (175, 49190), (193, 49250), (201, 49310), (209, 49370),

Gene: GaugeLDP_4 Start: 2092, Stop: 2388, Start Num: 152
Candidate Starts for GaugeLDP_4:
(Start: 152 @2092 has 485 MA's),

Gene: Geeche_13 Start: 3085, Stop: 3393, Start Num: 152
Candidate Starts for Geeche_13:
(127, 3055), (Start: 152 @3085 has 485 MA's), (212, 3349),

Gene: Gemma_1 Start: 522, Stop: 824, Start Num: 134
Candidate Starts for Gemma_1:
(Start: 134 @522 has 33 MA's), (Start: 152 @531 has 485 MA's), (170, 597),

Gene: Georgie2_5 Start: 2570, Stop: 2866, Start Num: 152
Candidate Starts for Georgie2_5:
(Start: 152 @2570 has 485 MA's), (192, 2693),

Gene: Gilberta_4 Start: 2353, Stop: 2649, Start Num: 152
Candidate Starts for Gilberta_4:
(Start: 152 @2353 has 485 MA's), (Start: 162 @2386 has 3 MA's), (178, 2443), (218, 2644),

Gene: GingkoMaracino_1 Start: 517, Stop: 819, Start Num: 134
Candidate Starts for GingkoMaracino_1:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: GirlDinner_2 Start: 690, Stop: 1004, Start Num: 150
Candidate Starts for GirlDinner_2:
(Start: 150 @690 has 51 MA's), (170, 759), (194, 834),

Gene: Gladiator_4 Start: 2133, Stop: 2429, Start Num: 152
Candidate Starts for Gladiator_4:
(Start: 152 @2133 has 485 MA's), (194, 2268),

Gene: Goby_2 Start: 723, Stop: 1034, Start Num: 149
Candidate Starts for Goby_2:
(Start: 67 @588 has 2 MA's), (Start: 149 @723 has 147 MA's), (171, 795), (182, 825), (192, 852),
(203, 915),

Gene: Godpower_2 Start: 615, Stop: 1037, Start Num: 74
Candidate Starts for Godpower_2:
(Start: 74 @615 has 1 MA's), (Start: 149 @726 has 147 MA's), (171, 798), (182, 828), (192, 855),

Gene: Gompeii16_2 Start: 835, Stop: 1131, Start Num: 152
Candidate Starts for Gompeii16_2:
(Start: 124 @787 has 1 MA's), (Start: 152 @835 has 485 MA's), (192, 958), (207, 1048), (214, 1084),

Gene: Goose_1 Start: 462, Stop: 758, Start Num: 139
Candidate Starts for Goose_1:
(Start: 139 @462 has 40 MA's),

Gene: Graduation_1 Start: 598, Stop: 894, Start Num: 152
Candidate Starts for Graduation_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 150 @595 has 51 MA's), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: GrecoEtereo_2 Start: 749, Stop: 1057, Start Num: 152
Candidate Starts for GrecoEtereo_2:
(Start: 152 @749 has 485 MA's), (192, 872), (207, 962), (214, 998),

Gene: GreedyLawyer_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for GreedyLawyer_4:
(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: GreenWeasel_1 Start: 591, Stop: 905, Start Num: 150
Candidate Starts for GreenWeasel_1:
(Start: 150 @591 has 51 MA's), (189, 708), (194, 735), (208, 837), (217, 900),

Gene: Greg_2 Start: 749, Stop: 1057, Start Num: 152
Candidate Starts for Greg_2:
(Start: 152 @749 has 485 MA's), (192, 872), (207, 962), (214, 998),

Gene: Gretchen_74 Start: 47033, Stop: 47335, Start Num: 149
Candidate Starts for Gretchen_74:
(Start: 149 @47033 has 147 MA's), (170, 47099), (190, 47150), (194, 47174),

Gene: Grif_1 Start: 526, Stop: 819, Start Num: 152
Candidate Starts for Grif_1:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Groupthink_2 Start: 531, Stop: 824, Start Num: 152
Candidate Starts for Groupthink_2:
(Start: 134 @522 has 33 MA's), (Start: 152 @531 has 485 MA's), (170, 597),

Gene: Grub_1 Start: 526, Stop: 819, Start Num: 152
Candidate Starts for Grub_1:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Grum1_1 Start: 526, Stop: 819, Start Num: 152
Candidate Starts for Grum1_1:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Gruunaga_4 Start: 2133, Stop: 2429, Start Num: 152
Candidate Starts for Gruunaga_4:
(Start: 152 @2133 has 485 MA's), (194, 2268),

Gene: GtownJaz_1 Start: 526, Stop: 819, Start Num: 152
Candidate Starts for GtownJaz_1:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Gwendoluna_1 Start: 600, Stop: 896, Start Num: 152
Candidate Starts for Gwendoluna_1:
(Start: 152 @600 has 485 MA's), (192, 723), (207, 813), (214, 849),

Gene: Gyzlar_2 Start: 742, Stop: 1038, Start Num: 152
Candidate Starts for Gyzlar_2:

(Start: 152 @742 has 485 MA's), (192, 865), (207, 955), (214, 991),

Gene: HINdeR_1 Start: 411, Stop: 704, Start Num: 152

Candidate Starts for HINdeR_1:

(Start: 152 @411 has 485 MA's), (169, 477), (210, 654), (215, 672),

Gene: Haizum_2 Start: 652, Stop: 966, Start Num: 150

Candidate Starts for Haizum_2:

(Start: 141 @643 has 1 MA's), (Start: 150 @652 has 51 MA's), (194, 796), (199, 829),

Gene: Hami1_1 Start: 598, Stop: 894, Start Num: 152

Candidate Starts for Hami1_1:

(119, 535), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Hammer_4 Start: 2132, Stop: 2428, Start Num: 152

Candidate Starts for Hammer_4:

(Start: 152 @2132 has 485 MA's), (194, 2267),

Gene: Hank144_2 Start: 693, Stop: 1007, Start Num: 150

Candidate Starts for Hank144_2:

(Start: 107 @618 has 1 MA's), (108, 624), (Start: 150 @693 has 51 MA's), (170, 762), (194, 837), (196, 849),

Gene: HarryHoudini_5 Start: 2627, Stop: 2923, Start Num: 152

Candidate Starts for HarryHoudini_5:

(63, 2426), (Start: 152 @2627 has 485 MA's),

Gene: HarryOW_2 Start: 749, Stop: 1057, Start Num: 152

Candidate Starts for HarryOW_2:

(Start: 152 @749 has 485 MA's), (192, 872), (207, 962), (214, 998),

Gene: HashRod_2 Start: 518, Stop: 820, Start Num: 134

Candidate Starts for HashRod_2:

(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: HaveUMetTed_2 Start: 531, Stop: 824, Start Num: 152

Candidate Starts for HaveUMetTed_2:

(Start: 134 @522 has 33 MA's), (Start: 152 @531 has 485 MA's), (170, 597),

Gene: Heffalump_5 Start: 2671, Stop: 2967, Start Num: 152

Candidate Starts for Heffalump_5:

(Start: 152 @2671 has 485 MA's), (192, 2794),

Gene: Heliosoles_1 Start: 522, Stop: 824, Start Num: 134

Candidate Starts for Heliosoles_1:

(Start: 134 @522 has 33 MA's), (Start: 152 @531 has 485 MA's), (170, 597),

Gene: Herbertwm_1 Start: 414, Stop: 710, Start Num: 152

Candidate Starts for Herbertwm_1:

(109, 327), (110, 330), (Start: 152 @414 has 485 MA's), (181, 513),

Gene: Hercules11_1 Start: 526, Stop: 819, Start Num: 152

Candidate Starts for Hercules11_1:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Hermia_2 Start: 750, Stop: 1046, Start Num: 152
Candidate Starts for Hermia_2:
(Start: 152 @750 has 485 MA's), (192, 873), (207, 963), (214, 999),

Gene: HermioneGrange_2 Start: 748, Stop: 1044, Start Num: 152
Candidate Starts for HermioneGrange_2:
(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: Herod_84 Start: 53440, Stop: 53775, Start Num: 116
Candidate Starts for Herod_84:
(25, 53167), (Start: 116 @53440 has 27 MA's), (191, 53626),

Gene: Hexamo_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for Hexamo_4:
(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Hippo_2 Start: 729, Stop: 1040, Start Num: 149
Candidate Starts for Hippo_2:
(82, 627), (Start: 149 @729 has 147 MA's), (171, 801), (196, 882),

Gene: HippoPololi_68 Start: 45087, Stop: 45419, Start Num: 156
Candidate Starts for HippoPololi_68:
(Start: 156 @45087 has 6 MA's),

Gene: Homines_2 Start: 832, Stop: 1128, Start Num: 152
Candidate Starts for Homines_2:
(Start: 124 @784 has 1 MA's), (Start: 152 @832 has 485 MA's), (192, 955), (207, 1045), (214, 1081),

Gene: Honk_82 Start: 49790, Stop: 50095, Start Num: 149
Candidate Starts for Honk_82:
(95, 49700), (Start: 134 @49769 has 33 MA's), (Start: 149 @49790 has 147 MA's), (167, 49850),

Gene: Hookmount_1 Start: 445, Stop: 741, Start Num: 152
Candidate Starts for Hookmount_1:
(Start: 152 @445 has 485 MA's), (194, 580),

Gene: Hoot_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for Hoot_4:
(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Hope4ever_1 Start: 600, Stop: 896, Start Num: 152
Candidate Starts for Hope4ever_1:
(Start: 118 @537 has 4 MA's), (Start: 134 @573 has 33 MA's), (140, 582), (Start: 150 @597 has 51 MA's), (Start: 152 @600 has 485 MA's), (192, 723), (207, 813), (214, 849),

Gene: HortumSL17_4 Start: 2335, Stop: 2628, Start Num: 149
Candidate Starts for HortumSL17_4:
(Start: 128 @2308 has 3 MA's), (Start: 149 @2335 has 147 MA's), (185, 2437), (192, 2455),

Gene: HuhtaEnerson15_1 Start: 535, Stop: 834, Start Num: 139

Candidate Starts for HuhtaEnerson15_1:
(Start: 139 @535 has 40 MA's), (185, 643), (200, 715), (210, 784), (218, 829),

Gene: Huphlepuuff_94 Start: 48678, Stop: 49004, Start Num: 152
Candidate Starts for Huphlepuuff_94:
(145, 48672), (Start: 152 @48678 has 485 MA's), (Start: 163 @48720 has 7 MA's), (175, 48765), (193, 48825), (201, 48885), (209, 48945),

Gene: Hutc2_4 Start: 2359, Stop: 2655, Start Num: 152
Candidate Starts for Hutc2_4:
(Start: 152 @2359 has 485 MA's), (Start: 162 @2392 has 3 MA's), (178, 2449), (218, 2650),

Gene: Hydra_3 Start: 739, Stop: 1053, Start Num: 149
Candidate Starts for Hydra_3:
(Start: 149 @739 has 147 MA's), (196, 895),

Gene: Hyzer_101 Start: 60183, Stop: 60518, Start Num: 116
Candidate Starts for Hyzer_101:
(85, 60138), (Start: 116 @60183 has 27 MA's),

Gene: IAmGroot_75 Start: 45197, Stop: 45496, Start Num: 149
Candidate Starts for IAmGroot_75:
(Start: 134 @45173 has 33 MA's), (Start: 149 @45197 has 147 MA's),

Gene: ILeeKay_1 Start: 547, Stop: 843, Start Num: 152
Candidate Starts for ILeeKay_1:
(Start: 118 @484 has 4 MA's), (Start: 134 @520 has 33 MA's), (140, 529), (Start: 152 @547 has 485 MA's), (192, 670), (207, 760), (214, 796),

Gene: Ibantik_57 Start: 25161, Stop: 25478, Start Num: 115
Candidate Starts for Ibantik_57:
(83, 25107), (Start: 115 @25161 has 3 MA's), (122, 25176), (123, 25185), (179, 25320), (189, 25347), (197, 25392), (199, 25416),

Gene: Ibrahim_59 Start: 41099, Stop: 41398, Start Num: 163
Candidate Starts for Ibrahim_59:
(Start: 163 @41099 has 7 MA's), (196, 41222),

Gene: Ichabod_2 Start: 749, Stop: 1045, Start Num: 152
Candidate Starts for Ichabod_2:
(Start: 152 @749 has 485 MA's), (192, 872), (214, 998),

Gene: IgnatiusPatJac_1 Start: 597, Stop: 893, Start Num: 152
Candidate Starts for IgnatiusPatJac_1:
(Start: 134 @570 has 33 MA's), (140, 579), (Start: 150 @594 has 51 MA's), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: Indigo_2 Start: 740, Stop: 1054, Start Num: 149
Candidate Starts for Indigo_2:
(69, 629), (91, 656), (Start: 149 @740 has 147 MA's), (196, 896),

Gene: Indra_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for Indra_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Insomnia_4 Start: 2356, Stop: 2652, Start Num: 152

Candidate Starts for Insomnia_4:

(Start: 152 @2356 has 485 MA's), (Start: 162 @2389 has 3 MA's), (178, 2446), (218, 2647),

Gene: Inyanga_1 Start: 599, Stop: 895, Start Num: 152

Candidate Starts for Inyanga_1:

(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 150 @596 has 51 MA's), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: IronMan_4 Start: 2114, Stop: 2410, Start Num: 152

Candidate Starts for IronMan_4:

(Start: 152 @2114 has 485 MA's), (181, 2213), (204, 2309),

Gene: Isca_1 Start: 420, Stop: 716, Start Num: 152

Candidate Starts for Isca_1:

(89, 318), (Start: 134 @411 has 33 MA's), (Start: 152 @420 has 485 MA's), (194, 555),

Gene: Isiphiwo_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Isiphiwo_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Issmi_2 Start: 651, Stop: 965, Start Num: 150

Candidate Starts for Issmi_2:

(Start: 150 @651 has 51 MA's), (194, 795), (199, 828), (217, 960),

Gene: Iter_70 Start: 43593, Stop: 43895, Start Num: 149

Candidate Starts for Iter_70:

(Start: 149 @43593 has 147 MA's), (170, 43659), (190, 43710), (203, 43785), (216, 43884),

Gene: IttyBittyPiggy_69 Start: 41834, Stop: 42145, Start Num: 149

Candidate Starts for IttyBittyPiggy_69:

(Start: 149 @41834 has 147 MA's), (203, 42026), (216, 42125),

Gene: Itza_2 Start: 744, Stop: 1058, Start Num: 150

Candidate Starts for Itza_2:

(Start: 150 @744 has 51 MA's), (194, 888),

Gene: Iwokeuplikedis_5 Start: 2364, Stop: 2660, Start Num: 152

Candidate Starts for Iwokeuplikedis_5:

(Start: 152 @2364 has 485 MA's),

Gene: Izzy_2 Start: 793, Stop: 1107, Start Num: 149

Candidate Starts for Izzy_2:

(103, 715), (Start: 149 @793 has 147 MA's), (196, 949),

Gene: JC27_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for JC27_2:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: JF2_1 Start: 419, Stop: 715, Start Num: 152

Candidate Starts for JF2_1:

(78, 293), (133, 410), (Start: 152 @419 has 485 MA's), (194, 554),

Gene: JF4_1 Start: 419, Stop: 715, Start Num: 152

Candidate Starts for JF4_1:

(78, 293), (133, 410), (Start: 152 @419 has 485 MA's), (194, 554),

Gene: JHC117_1 Start: 526, Stop: 819, Start Num: 152

Candidate Starts for JHC117_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: JSwag_4 Start: 2278, Stop: 2574, Start Num: 152

Candidate Starts for JSwag_4:

(Start: 152 @2278 has 485 MA's), (178, 2368),

Gene: Jaan_4 Start: 2110, Stop: 2406, Start Num: 152

Candidate Starts for Jaan_4:

(Start: 152 @2110 has 485 MA's), (181, 2209), (204, 2305),

Gene: Jabiru_1 Start: 502, Stop: 801, Start Num: 139

Candidate Starts for Jabiru_1:

(Start: 139 @502 has 40 MA's), (Start: 157 @517 has 1 MA's), (185, 610), (210, 751), (218, 796),

Gene: Jabith_4 Start: 2356, Stop: 2652, Start Num: 152

Candidate Starts for Jabith_4:

(Start: 152 @2356 has 485 MA's), (Start: 162 @2389 has 3 MA's), (178, 2446), (218, 2647),

Gene: Jablanski_82 Start: 53171, Stop: 53461, Start Num: 160

Candidate Starts for Jablanski_82:

(Start: 130 @53114 has 1 MA's), (Start: 134 @53120 has 33 MA's), (Start: 160 @53171 has 19 MA's),

Gene: JackSparrow_1 Start: 596, Stop: 892, Start Num: 152

Candidate Starts for JackSparrow_1:

(Start: 134 @569 has 33 MA's), (140, 578), (Start: 147 @593 has 2 MA's), (Start: 152 @596 has 485 MA's), (192, 719), (207, 809), (214, 845),

Gene: Janeemi_69 Start: 43509, Stop: 43811, Start Num: 149

Candidate Starts for Janeemi_69:

(Start: 149 @43509 has 147 MA's), (170, 43575), (190, 43626), (203, 43701), (216, 43800),

Gene: Janus_3 Start: 1027, Stop: 1341, Start Num: 150

Candidate Starts for Janus_3:

(Start: 150 @1027 has 51 MA's), (170, 1096), (194, 1171),

Gene: Jash_2 Start: 746, Stop: 1060, Start Num: 149

Candidate Starts for Jash_2:

(103, 668), (Start: 149 @746 has 147 MA's), (196, 902),

Gene: JasmineDragon_70 Start: 43243, Stop: 43605, Start Num: 142

Candidate Starts for JasmineDragon_70:

(84, 43126), (Start: 142 @43243 has 3 MA's), (167, 43312), (170, 43318), (214, 43513), (221, 43555),

Gene: Jasper_2 Start: 863, Stop: 1171, Start Num: 152

Candidate Starts for Jasper_2:

(Start: 124 @815 has 1 MA's), (Start: 152 @863 has 485 MA's), (192, 986), (207, 1076), (214, 1112),

Gene: Jeeves_4 Start: 2418, Stop: 2714, Start Num: 152

Candidate Starts for Jeeves_4:

(Start: 152 @2418 has 485 MA's), (190, 2529), (191, 2535),

Gene: Jeffabunny_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Jeffabunny_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: JenCasNa_1 Start: 517, Stop: 819, Start Num: 134

Candidate Starts for JenCasNa_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: JeppNRM_2 Start: 531, Stop: 824, Start Num: 152

Candidate Starts for JeppNRM_2:

(Start: 134 @522 has 33 MA's), (Start: 152 @531 has 485 MA's), (170, 597),

Gene: Jerm_5 Start: 2548, Stop: 2844, Start Num: 152

Candidate Starts for Jerm_5:

(Start: 152 @2548 has 485 MA's), (192, 2671),

Gene: Jerm2_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for Jerm2_2:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: Jevington_3 Start: 1035, Stop: 1349, Start Num: 150

Candidate Starts for Jevington_3:

(Start: 107 @963 has 1 MA's), (Start: 141 @1029 has 1 MA's), (Start: 150 @1035 has 51 MA's), (170, 1104), (194, 1179), (199, 1212),

Gene: JewelBug_4 Start: 2144, Stop: 2440, Start Num: 152

Candidate Starts for JewelBug_4:

(Start: 152 @2144 has 485 MA's), (194, 2279),

Gene: Jobu08_1 Start: 517, Stop: 819, Start Num: 134

Candidate Starts for Jobu08_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Joemato_71 Start: 43479, Stop: 43781, Start Num: 149

Candidate Starts for Joemato_71:

(Start: 149 @43479 has 147 MA's), (165, 43530), (170, 43545), (190, 43596), (203, 43671), (216, 43770),

Gene: JohnDoe_70 Start: 43395, Stop: 43697, Start Num: 149

Candidate Starts for JohnDoe_70:

(Start: 149 @43395 has 147 MA's), (165, 43446), (170, 43461), (190, 43512), (203, 43587), (216, 43686),

Gene: JoieB_93 Start: 49278, Stop: 49604, Start Num: 152

Candidate Starts for JoieB_93:

(135, 49251), (Start: 152 @49278 has 485 MA's), (Start: 163 @49320 has 7 MA's), (175, 49365), (193, 49425), (201, 49485), (209, 49545),

Gene: JonJames_13 Start: 3969, Stop: 4277, Start Num: 152
Candidate Starts for JonJames_13:
(Start: 152 @3969 has 485 MA's), (199, 4143), (203, 4161), (206, 4182),

Gene: Jordennis_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for Jordennis_4:
(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Jorgensen_2 Start: 833, Stop: 1129, Start Num: 152
Candidate Starts for Jorgensen_2:
(Start: 124 @785 has 1 MA's), (Start: 152 @833 has 485 MA's), (192, 956), (202, 1010), (207, 1046),
(214, 1082),

Gene: Joselito_4 Start: 2356, Stop: 2652, Start Num: 152
Candidate Starts for Joselito_4:
(Start: 152 @2356 has 485 MA's), (Start: 162 @2389 has 3 MA's), (178, 2446), (218, 2647),

Gene: JoshKayV_5 Start: 2563, Stop: 2859, Start Num: 152
Candidate Starts for JoshKayV_5:
(Start: 152 @2563 has 485 MA's), (192, 2686),

Gene: Journey13_4 Start: 2424, Stop: 2720, Start Num: 152
Candidate Starts for Journey13_4:
(Start: 152 @2424 has 485 MA's), (178, 2514),

Gene: Jovo_1 Start: 535, Stop: 834, Start Num: 139
Candidate Starts for Jovo_1:
(Start: 139 @535 has 40 MA's), (185, 643), (200, 715), (210, 784), (218, 829),

Gene: Jsquared_4 Start: 2327, Stop: 2623, Start Num: 152
Candidate Starts for Jsquared_4:
(Start: 152 @2327 has 485 MA's),

Gene: JuliaChild_2 Start: 834, Stop: 1130, Start Num: 152
Candidate Starts for JuliaChild_2:
(Start: 124 @786 has 1 MA's), (Start: 152 @834 has 485 MA's), (192, 957), (207, 1047), (214, 1083),

Gene: JuneStar_68 Start: 44149, Stop: 44457, Start Num: 149
Candidate Starts for JuneStar_68:
(47, 43936), (Start: 149 @44149 has 147 MA's), (170, 44215), (200, 44332), (203, 44341), (216,
44440),

Gene: KADY_2 Start: 527, Stop: 820, Start Num: 152
Candidate Starts for KADY_2:
(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: KBG_2 Start: 835, Stop: 1131, Start Num: 152
Candidate Starts for KBG_2:
(Start: 124 @787 has 1 MA's), (Start: 152 @835 has 485 MA's), (192, 958), (207, 1048), (214, 1084),

Gene: KSSJEB_1 Start: 580, Stop: 903, Start Num: 134
Candidate Starts for KSSJEB_1:

(Start: 134 @580 has 33 MA's), (140, 589), (Start: 152 @607 has 485 MA's), (192, 730), (207, 820), (214, 856),

Gene: Kachowdy_1 Start: 416, Stop: 712, Start Num: 138

Candidate Starts for Kachowdy_1:

(78, 293), (133, 410), (Start: 138 @416 has 3 MA's), (194, 551),

Gene: Kaine_3 Start: 968, Stop: 1282, Start Num: 150

Candidate Starts for Kaine_3:

(44, 755), (56, 785), (Start: 142 @962 has 3 MA's), (Start: 150 @968 has 51 MA's), (170, 1037), (194, 1112), (199, 1145),

Gene: Kalb97_2 Start: 528, Stop: 821, Start Num: 152

Candidate Starts for Kalb97_2:

(Start: 134 @519 has 33 MA's), (Start: 152 @528 has 485 MA's), (170, 594),

Gene: Kalnoky_2 Start: 522, Stop: 824, Start Num: 134

Candidate Starts for Kalnoky_2:

(Start: 134 @522 has 33 MA's), (Start: 152 @531 has 485 MA's), (170, 597),

Gene: Kalpine_4 Start: 2560, Stop: 2856, Start Num: 152

Candidate Starts for Kalpine_4:

(Start: 152 @2560 has 485 MA's),

Gene: Kanely_3 Start: 1297, Stop: 1593, Start Num: 152

Candidate Starts for Kanely_3:

(Start: 124 @1249 has 1 MA's), (Start: 152 @1297 has 485 MA's), (192, 1420), (207, 1510), (214, 1546),

Gene: Katalie_2 Start: 726, Stop: 1040, Start Num: 149

Candidate Starts for Katalie_2:

(66, 582), (Start: 149 @726 has 147 MA's), (171, 798), (196, 882),

Gene: KatherineG_4 Start: 2425, Stop: 2721, Start Num: 152

Candidate Starts for KatherineG_4:

(Start: 152 @2425 has 485 MA's), (178, 2515),

Gene: Kaylissa_71 Start: 43755, Stop: 44057, Start Num: 149

Candidate Starts for Kaylissa_71:

(Start: 149 @43755 has 147 MA's), (165, 43806), (170, 43821), (190, 43872), (203, 43947), (216, 44046),

Gene: Kazan_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Kazan_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: KeAlii_67 Start: 41473, Stop: 41784, Start Num: 149

Candidate Starts for KeAlii_67:

(Start: 149 @41473 has 147 MA's), (170, 41539), (190, 41590), (216, 41764),

Gene: Kenmech_2 Start: 758, Stop: 1054, Start Num: 152

Candidate Starts for Kenmech_2:

(Start: 152 @758 has 485 MA's), (192, 881), (202, 935), (207, 971), (214, 1007),

Gene: Kerberos_4 Start: 2345, Stop: 2641, Start Num: 152

Candidate Starts for Kerberos_4:

(Start: 152 @2345 has 485 MA's),

Gene: Keziacharles14_4 Start: 2212, Stop: 2505, Start Num: 149

Candidate Starts for Keziacharles14_4:

(Start: 149 @2212 has 147 MA's), (178, 2299), (185, 2314), (192, 2332),

Gene: Killigrew_1 Start: 596, Stop: 892, Start Num: 152

Candidate Starts for Killigrew_1:

(Start: 118 @533 has 4 MA's), (Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719), (207, 809), (214, 845),

Gene: Kimona_1 Start: 576, Stop: 872, Start Num: 152

Candidate Starts for Kimona_1:

(133, 567), (Start: 152 @576 has 485 MA's), (Start: 162 @609 has 3 MA's), (194, 711), (210, 822),

Gene: KingCyrus_5 Start: 2548, Stop: 2844, Start Num: 152

Candidate Starts for KingCyrus_5:

(Start: 152 @2548 has 485 MA's), (192, 2671),

Gene: Kipper29_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Kipper29_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Kita_80 Start: 49959, Stop: 50294, Start Num: 116

Candidate Starts for Kita_80:

(25, 49686), (Start: 116 @49959 has 27 MA's),

Gene: KittenMittens_1 Start: 472, Stop: 768, Start Num: 139

Candidate Starts for KittenMittens_1:

(41, 247), (Start: 139 @472 has 40 MA's), (194, 607),

Gene: Koko_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Koko_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Kristoff_2 Start: 629, Stop: 925, Start Num: 139

Candidate Starts for Kristoff_2:

(Start: 97 @548 has 1 MA's), (Start: 139 @629 has 40 MA's),

Gene: Kugel_1 Start: 596, Stop: 904, Start Num: 152

Candidate Starts for Kugel_1:

(Start: 118 @533 has 4 MA's), (Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719), (207, 809), (214, 845),

Gene: Kuwabara_94 Start: 53726, Stop: 54019, Start Num: 161

Candidate Starts for Kuwabara_94:

(Start: 161 @53726 has 7 MA's),

Gene: KyMonks1A_1 Start: 597, Stop: 893, Start Num: 152

Candidate Starts for KyMonks1A_1:

(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: Kykar_1 Start: 597, Stop: 893, Start Num: 152

Candidate Starts for Kykar_1:

(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: L5_4 Start: 2332, Stop: 2628, Start Num: 152

Candidate Starts for L5_4:

(Start: 152 @2332 has 485 MA's),

Gene: LBerry_1 Start: 517, Stop: 819, Start Num: 134

Candidate Starts for LBerry_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: LHTSCC_1 Start: 460, Stop: 762, Start Num: 147

Candidate Starts for LHTSCC_1:

(Start: 96 @355 has 2 MA's), (Start: 147 @460 has 2 MA's), (170, 535), (214, 721),

Gene: LadyBird_4 Start: 2463, Stop: 2759, Start Num: 152

Candidate Starts for LadyBird_4:

(Start: 152 @2463 has 485 MA's), (192, 2586),

Gene: Lambert1_1 Start: 445, Stop: 741, Start Num: 152

Candidate Starts for Lambert1_1:

(Start: 152 @445 has 485 MA's), (194, 580),

Gene: Lamina13_2 Start: 750, Stop: 1046, Start Num: 152

Candidate Starts for Lamina13_2:

(Start: 152 @750 has 485 MA's), (192, 873), (207, 963), (214, 999),

Gene: Landor_4 Start: 2112, Stop: 2408, Start Num: 152

Candidate Starts for Landor_4:

(Start: 152 @2112 has 485 MA's), (181, 2211), (204, 2307),

Gene: Lannister_3 Start: 743, Stop: 1054, Start Num: 149

Candidate Starts for Lannister_3:

(120, 701), (Start: 149 @743 has 147 MA's), (196, 896),

Gene: Larenn_5 Start: 2579, Stop: 2875, Start Num: 152

Candidate Starts for Larenn_5:

(Start: 152 @2579 has 485 MA's),

Gene: LarryKay_1 Start: 527, Stop: 820, Start Num: 152

Candidate Starts for LarryKay_1:

(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: LastResort_4 Start: 2278, Stop: 2574, Start Num: 152

Candidate Starts for LastResort_4:

(Start: 152 @2278 has 485 MA's), (178, 2368),

Gene: Legacy_2 Start: 739, Stop: 1053, Start Num: 149

Candidate Starts for Legacy_2:
(Start: 149 @739 has 147 MA's), (196, 895),

Gene: Lego_69 Start: 43077, Stop: 43379, Start Num: 149
Candidate Starts for Lego_69:
(Start: 149 @43077 has 147 MA's), (165, 43128), (170, 43143), (190, 43194), (203, 43269), (216, 43368),

Gene: Leogania_4 Start: 2319, Stop: 2615, Start Num: 152
Candidate Starts for Leogania_4:
(Start: 152 @2319 has 485 MA's), (191, 2436),

Gene: Lesedi_1 Start: 599, Stop: 895, Start Num: 152
Candidate Starts for Lesedi_1:
(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: Lev2_1 Start: 534, Stop: 833, Start Num: 139
Candidate Starts for Lev2_1:
(61, 372), (Start: 139 @534 has 40 MA's), (185, 642), (200, 714), (210, 783), (218, 828),

Gene: Leviathan_5 Start: 2547, Stop: 2843, Start Num: 152
Candidate Starts for Leviathan_5:
(Start: 152 @2547 has 485 MA's), (192, 2670),

Gene: Leviticus_2 Start: 740, Stop: 1054, Start Num: 149
Candidate Starts for Leviticus_2:
(69, 629), (91, 656), (Start: 149 @740 has 147 MA's), (196, 896),

Gene: Licorice_2 Start: 751, Stop: 1047, Start Num: 152
Candidate Starts for Licorice_2:
(Start: 152 @751 has 485 MA's), (192, 874), (207, 964), (214, 1000),

Gene: Liebe_69 Start: 45433, Stop: 45732, Start Num: 149
Candidate Starts for Liebe_69:
(Start: 149 @45433 has 147 MA's), (170, 45499), (171, 45502), (201, 45619), (216, 45724),

Gene: Lika_2 Start: 726, Stop: 1037, Start Num: 149
Candidate Starts for Lika_2:
(Start: 74 @615 has 1 MA's), (Start: 149 @726 has 147 MA's), (171, 798), (182, 828), (192, 855),

Gene: LilBib_1 Start: 600, Stop: 896, Start Num: 152
Candidate Starts for LilBib_1:
(Start: 134 @573 has 33 MA's), (140, 582), (Start: 152 @600 has 485 MA's), (192, 723), (207, 813), (214, 849),

Gene: LilTurb_5 Start: 2548, Stop: 2844, Start Num: 152
Candidate Starts for LilTurb_5:
(Start: 152 @2548 has 485 MA's), (192, 2671),

Gene: Lilbit_90 Start: 49238, Stop: 49564, Start Num: 152
Candidate Starts for Lilbit_90:

(145, 49232), (Start: 152 @49238 has 485 MA's), (Start: 163 @49280 has 7 MA's), (175, 49325), (193, 49385), (201, 49445), (209, 49505),

Gene: Lilbunny_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Lilbunny_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Lilit_1 Start: 527, Stop: 820, Start Num: 152

Candidate Starts for Lilit_1:

(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: LittleCherry_1 Start: 535, Stop: 834, Start Num: 139

Candidate Starts for LittleCherry_1:

(Start: 139 @535 has 40 MA's), (185, 643), (200, 715), (210, 784), (218, 829),

Gene: LittleLaf_90 Start: 49009, Stop: 49293, Start Num: 163

Candidate Starts for LittleLaf_90:

(145, 48961), (Start: 152 @48967 has 485 MA's), (Start: 163 @49009 has 7 MA's), (175, 49054), (193, 49114), (201, 49174), (209, 49234),

Gene: Lizalica_69 Start: 42687, Stop: 42989, Start Num: 149

Candidate Starts for Lizalica_69:

(Start: 149 @42687 has 147 MA's), (165, 42738), (170, 42753), (190, 42804), (203, 42879), (216, 42978),

Gene: Lockley_2 Start: 739, Stop: 1035, Start Num: 152

Candidate Starts for Lockley_2:

(Start: 152 @739 has 485 MA's), (192, 862), (202, 916), (207, 952), (214, 988),

Gene: Lokk_5 Start: 2540, Stop: 2836, Start Num: 152

Candidate Starts for Lokk_5:

(Start: 152 @2540 has 485 MA's),

Gene: London_69 Start: 43231, Stop: 43533, Start Num: 149

Candidate Starts for London_69:

(Start: 149 @43231 has 147 MA's), (165, 43282), (170, 43297), (190, 43348), (203, 43423), (216, 43522),

Gene: LoneWolf_4 Start: 2099, Stop: 2392, Start Num: 149

Candidate Starts for LoneWolf_4:

(Start: 149 @2099 has 147 MA's), (185, 2201), (192, 2219),

Gene: LonelyBoi_78 Start: 53256, Stop: 53543, Start Num: 160

Candidate Starts for LonelyBoi_78:

(5, 52596), (12, 52755), (15, 52785), (102, 53133), (Start: 130 @53199 has 1 MA's), (Start: 134 @53205 has 33 MA's), (Start: 160 @53256 has 19 MA's),

Gene: Loofah_3 Start: 682, Stop: 996, Start Num: 150

Candidate Starts for Loofah_3:

(Start: 107 @604 has 1 MA's), (Start: 142 @673 has 3 MA's), (Start: 150 @682 has 51 MA's), (194, 826), (196, 838),

Gene: Looper_4 Start: 2278, Stop: 2574, Start Num: 152

Candidate Starts for Looper_4:
(Start: 152 @2278 has 485 MA's), (178, 2368),

Gene: Lopton_2 Start: 841, Stop: 1137, Start Num: 152
Candidate Starts for Lopton_2:
(Start: 124 @793 has 1 MA's), (Start: 152 @841 has 485 MA's), (192, 964), (207, 1054), (214, 1090),

Gene: Lorelei_2 Start: 726, Stop: 1037, Start Num: 149
Candidate Starts for Lorelei_2:
(Start: 67 @591 has 2 MA's), (Start: 149 @726 has 147 MA's), (171, 798), (182, 828), (196, 879),

Gene: Loser_4 Start: 2277, Stop: 2573, Start Num: 152
Candidate Starts for Loser_4:
(Start: 152 @2277 has 485 MA's), (192, 2400),

Gene: Louie6_1 Start: 527, Stop: 820, Start Num: 152
Candidate Starts for Louie6_1:
(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Lozinak_14 Start: 3268, Stop: 3576, Start Num: 152
Candidate Starts for Lozinak_14:
(127, 3238), (Start: 152 @3268 has 485 MA's), (203, 3460), (212, 3532),

Gene: Luchador_4 Start: 2402, Stop: 2698, Start Num: 152
Candidate Starts for Luchador_4:
(Start: 152 @2402 has 485 MA's), (184, 2504), (190, 2513), (191, 2519),

Gene: Lucivia_4 Start: 2353, Stop: 2649, Start Num: 152
Candidate Starts for Lucivia_4:
(Start: 152 @2353 has 485 MA's), (Start: 162 @2386 has 3 MA's), (178, 2443), (218, 2644),

Gene: Lucyedi_4 Start: 2125, Stop: 2418, Start Num: 149
Candidate Starts for Lucyedi_4:
(Start: 149 @2125 has 147 MA's), (170, 2191), (185, 2227), (192, 2245), (194, 2257),

Gene: LugYA_3 Start: 517, Stop: 819, Start Num: 134
Candidate Starts for LugYA_3:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: LunaStella_101 Start: 55262, Stop: 55549, Start Num: 160
Candidate Starts for LunaStella_101:
(17, 54791), (43, 54992), (60, 55031), (81, 55097), (84, 55100), (Start: 134 @55211 has 33 MA's),
(Start: 160 @55262 has 19 MA's),

Gene: MA5_1 Start: 429, Stop: 725, Start Num: 152
Candidate Starts for MA5_1:
(133, 420), (Start: 152 @429 has 485 MA's), (170, 498), (194, 564),

Gene: MK4_1 Start: 419, Stop: 715, Start Num: 152
Candidate Starts for MK4_1:
(78, 293), (133, 410), (Start: 152 @419 has 485 MA's), (194, 554),

Gene: MPlant7149_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for MPlant7149_2:
(Start: 152 @748 has 485 MA's), (207, 961), (214, 997),

Gene: MaCh_4 Start: 2353, Stop: 2649, Start Num: 152
Candidate Starts for MaCh_4:
(Start: 152 @2353 has 485 MA's), (Start: 162 @2386 has 3 MA's), (178, 2443), (218, 2644),

Gene: MaGuCo_63 Start: 43554, Stop: 43853, Start Num: 149
Candidate Starts for MaGuCo_63:
(Start: 149 @43554 has 147 MA's), (170, 43620), (171, 43623), (201, 43740), (216, 43845),

Gene: Mabodamaca_75 Start: 48569, Stop: 48868, Start Num: 149
Candidate Starts for Mabodamaca_75:
(38, 48311), (Start: 149 @48569 has 147 MA's), (170, 48635), (190, 48686), (203, 48761),

Gene: MadMarie_1 Start: 518, Stop: 820, Start Num: 134
Candidate Starts for MadMarie_1:
(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Madeline_76 Start: 51284, Stop: 51616, Start Num: 116
Candidate Starts for Madeline_76:
(18, 50948), (25, 51011), (Start: 116 @51284 has 27 MA's),

Gene: Magnar_1 Start: 599, Stop: 895, Start Num: 152
Candidate Starts for Magnar_1:
(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: Magnito_1 Start: 535, Stop: 894, Start Num: 118
Candidate Starts for Magnito_1:
(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Mainiac_1 Start: 527, Stop: 820, Start Num: 152
Candidate Starts for Mainiac_1:
(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Makemake_2 Start: 1064, Stop: 1360, Start Num: 152
Candidate Starts for Makemake_2:
(Start: 134 @1034 has 33 MA's), (140, 1043), (Start: 147 @1058 has 2 MA's), (Start: 152 @1064 has 485 MA's), (192, 1187), (214, 1313),

Gene: MalagasyRose_85 Start: 53161, Stop: 53499, Start Num: 161
Candidate Starts for MalagasyRose_85:
(99, 53017), (100, 53020), (117, 53065), (132, 53101), (Start: 155 @53140 has 3 MA's), (Start: 161 @53161 has 7 MA's), (190, 53260), (198, 53341),

Gene: Malec_5 Start: 2579, Stop: 2875, Start Num: 152
Candidate Starts for Malec_5:
(Start: 152 @2579 has 485 MA's),

Gene: Malinsilva_3 Start: 526, Stop: 819, Start Num: 152
Candidate Starts for Malinsilva_3:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Maminaiaina_4 Start: 2102, Stop: 2395, Start Num: 149

Candidate Starts for Maminaiaina_4:

(Start: 149 @2102 has 147 MA's), (185, 2204), (192, 2222),

Gene: Manasvini_81 Start: 49974, Stop: 50309, Start Num: 116

Candidate Starts for Manasvini_81:

(25, 49701), (Start: 116 @49974 has 27 MA's),

Gene: Manatee_2 Start: 747, Stop: 1043, Start Num: 152

Candidate Starts for Manatee_2:

(Start: 152 @747 has 485 MA's), (192, 870), (207, 960), (214, 996),

Gene: Maneekul_2 Start: 729, Stop: 1040, Start Num: 149

Candidate Starts for Maneekul_2:

(82, 627), (Start: 149 @729 has 147 MA's), (171, 801), (182, 831), (192, 858), (203, 921),

Gene: Manu_2 Start: 531, Stop: 824, Start Num: 152

Candidate Starts for Manu_2:

(Start: 134 @522 has 33 MA's), (Start: 152 @531 has 485 MA's), (170, 597),

Gene: MarQuardt_1 Start: 526, Stop: 819, Start Num: 152

Candidate Starts for MarQuardt_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Marav_3 Start: 1035, Stop: 1349, Start Num: 150

Candidate Starts for Marav_3:

(82, 909), (Start: 107 @963 has 1 MA's), (Start: 141 @1029 has 1 MA's), (Start: 150 @1035 has 51 MA's), (170, 1104), (194, 1179), (199, 1212),

Gene: Marcell_2 Start: 743, Stop: 1039, Start Num: 152

Candidate Starts for Marcell_2:

(Start: 152 @743 has 485 MA's), (192, 866), (207, 956), (214, 992),

Gene: Marchy_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for Marchy_2:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: Marge_1 Start: 598, Stop: 894, Start Num: 152

Candidate Starts for Marge_1:

(Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Margo_1 Start: 445, Stop: 741, Start Num: 152

Candidate Starts for Margo_1:

(Start: 152 @445 has 485 MA's), (194, 580),

Gene: Maridalia_83 Start: 51242, Stop: 51577, Start Num: 116

Candidate Starts for Maridalia_83:

(25, 50969), (Start: 116 @51242 has 27 MA's),

Gene: Marie_1 Start: 517, Stop: 819, Start Num: 134

Candidate Starts for Marie_1:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Marius_2 Start: 531, Stop: 824, Start Num: 152
Candidate Starts for Marius_2:
(Start: 134 @522 has 33 MA's), (Start: 152 @531 has 485 MA's), (170, 597),

Gene: Maroc7_1 Start: 600, Stop: 896, Start Num: 152
Candidate Starts for Maroc7_1:
(Start: 118 @537 has 4 MA's), (Start: 134 @573 has 33 MA's), (140, 582), (Start: 152 @600 has 485 MA's), (192, 723), (207, 813), (214, 849),

Gene: Marsha_2 Start: 1060, Stop: 1356, Start Num: 150
Candidate Starts for Marsha_2:
(Start: 134 @1033 has 33 MA's), (140, 1042), (Start: 147 @1057 has 2 MA's), (Start: 150 @1060 has 51 MA's), (192, 1183), (214, 1309),

Gene: Marvin_86 Start: 48763, Stop: 49089, Start Num: 152
Candidate Starts for Marvin_86:
(145, 48757), (Start: 152 @48763 has 485 MA's), (Start: 163 @48805 has 7 MA's), (175, 48850), (193, 48910), (201, 48970), (209, 49030),

Gene: MaryBeth_2 Start: 751, Stop: 1047, Start Num: 152
Candidate Starts for MaryBeth_2:
(Start: 152 @751 has 485 MA's), (192, 874), (207, 964), (214, 1000),

Gene: Maureen_69 Start: 45432, Stop: 45731, Start Num: 149
Candidate Starts for Maureen_69:
(Start: 149 @45432 has 147 MA's), (170, 45498), (171, 45501), (201, 45618), (216, 45723),

Gene: McFly_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for McFly_4:
(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: McGuire_2 Start: 749, Stop: 1045, Start Num: 152
Candidate Starts for McGuire_2:
(Start: 152 @749 has 485 MA's), (192, 872), (202, 926), (207, 962), (214, 998),

Gene: Mendokysei_63 Start: 42026, Stop: 42310, Start Num: 166
Candidate Starts for Mendokysei_63:
(13, 41501), (19, 41540), (23, 41567), (38, 41678), (120, 41906), (Start: 166 @42026 has 1 MA's), (196, 42134), (200, 42173),

Gene: MetalQZJ_2 Start: 751, Stop: 1047, Start Num: 152
Candidate Starts for MetalQZJ_2:
(Start: 152 @751 has 485 MA's), (192, 874), (207, 964), (214, 1000),

Gene: Methuselah_1 Start: 527, Stop: 820, Start Num: 152
Candidate Starts for Methuselah_1:
(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Michley_1 Start: 597, Stop: 893, Start Num: 152
Candidate Starts for Michley_1:

(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: Microwolf_1 Start: 526, Stop: 819, Start Num: 152

Candidate Starts for Microwolf_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: MiculUcigas_5 Start: 2624, Stop: 2920, Start Num: 152

Candidate Starts for MiculUcigas_5:

(63, 2423), (Start: 152 @2624 has 485 MA's),

Gene: Midas2_1 Start: 503, Stop: 802, Start Num: 139

Candidate Starts for Midas2_1:

(59, 368), (Start: 139 @503 has 40 MA's), (185, 611), (200, 683), (210, 752), (218, 797),

Gene: Miko_5 Start: 2518, Stop: 2814, Start Num: 152

Candidate Starts for Miko_5:

(Start: 152 @2518 has 485 MA's),

Gene: Milcery_1 Start: 534, Stop: 833, Start Num: 139

Candidate Starts for Milcery_1:

(61, 372), (Start: 139 @534 has 40 MA's), (185, 642), (200, 714), (210, 783), (218, 828),

Gene: MinecraftSteve_5 Start: 2425, Stop: 2721, Start Num: 152

Candidate Starts for MinecraftSteve_5:

(Start: 152 @2425 has 485 MA's), (178, 2515),

Gene: MiniMommy_73 Start: 43251, Stop: 43613, Start Num: 142

Candidate Starts for MiniMommy_73:

(84, 43134), (Start: 142 @43251 has 3 MA's), (167, 43320), (170, 43326), (214, 43521), (217, 43554), (221, 43563),

Gene: Miskis_16 Start: 3268, Stop: 3576, Start Num: 152

Candidate Starts for Miskis_16:

(127, 3238), (Start: 152 @3268 has 485 MA's), (203, 3460), (212, 3532),

Gene: MissSwiss_70 Start: 42246, Stop: 42548, Start Num: 149

Candidate Starts for MissSwiss_70:

(Start: 149 @42246 has 147 MA's), (190, 42363), (200, 42429), (216, 42537),

Gene: MissWhite_4 Start: 2314, Stop: 2610, Start Num: 152

Candidate Starts for MissWhite_4:

(Start: 152 @2314 has 485 MA's),

Gene: Mkhuseli_1 Start: 600, Stop: 896, Start Num: 152

Candidate Starts for Mkhuseli_1:

(Start: 118 @537 has 4 MA's), (Start: 134 @573 has 33 MA's), (140, 582), (Start: 152 @600 has 485 MA's), (192, 723), (207, 813), (214, 849),

Gene: Molly_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for Molly_2:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: Mollymur_10 Start: 5419, Stop: 5724, Start Num: 152

Candidate Starts for Mollymur_10:

(Start: 152 @5419 has 485 MA's), (199, 5590), (217, 5719),

Gene: Monet_2 Start: 750, Stop: 1046, Start Num: 152

Candidate Starts for Monet_2:

(Start: 152 @750 has 485 MA's), (192, 873), (207, 963), (214, 999),

Gene: MoneyMay_1 Start: 517, Stop: 819, Start Num: 134

Candidate Starts for MoneyMay_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Moose_1 Start: 596, Stop: 892, Start Num: 152

Candidate Starts for Moose_1:

(Start: 118 @533 has 4 MA's), (Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719), (202, 773), (207, 809), (214, 845),

Gene: MortyNRick_99 Start: 53600, Stop: 53893, Start Num: 161

Candidate Starts for MortyNRick_99:

(79, 53429), (Start: 161 @53600 has 7 MA's),

Gene: MosMoris_88 Start: 49109, Stop: 49435, Start Num: 151

Candidate Starts for MosMoris_88:

(Start: 151 @49109 has 2 MA's), (Start: 163 @49151 has 7 MA's), (175, 49196), (193, 49256), (201, 49316), (209, 49376),

Gene: MrGordo_1 Start: 570, Stop: 905, Start Num: 134

Candidate Starts for MrGordo_1:

(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: Mryolo_1 Start: 599, Stop: 895, Start Num: 152

Candidate Starts for Mryolo_1:

(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: Mudpuppy_68 Start: 43455, Stop: 43757, Start Num: 149

Candidate Starts for Mudpuppy_68:

(Start: 149 @43455 has 147 MA's), (165, 43506), (170, 43521), (190, 43572), (203, 43647), (216, 43746),

Gene: Mulciber_4 Start: 2359, Stop: 2655, Start Num: 152

Candidate Starts for Mulciber_4:

(Start: 152 @2359 has 485 MA's), (Start: 162 @2392 has 3 MA's), (178, 2449), (218, 2650),

Gene: Mule_1 Start: 595, Stop: 891, Start Num: 152

Candidate Starts for Mule_1:

(Start: 118 @532 has 4 MA's), (Start: 134 @568 has 33 MA's), (140, 577), (Start: 150 @592 has 51 MA's), (Start: 152 @595 has 485 MA's), (192, 718), (207, 808), (214, 844),

Gene: Munch_4 Start: 2356, Stop: 2652, Start Num: 152

Candidate Starts for Munch_4:

(Start: 152 @2356 has 485 MA's), (Start: 162 @2389 has 3 MA's), (178, 2446), (218, 2647),

Gene: Museum_3 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for Museum_3:

(Start: 152 @748 has 485 MA's), (207, 961), (214, 997),

Gene: MyraDee_1 Start: 377, Stop: 667, Start Num: 153

Candidate Starts for MyraDee_1:

(Start: 153 @377 has 1 MA's), (170, 440), (194, 506), (210, 617),

Gene: Myxus_4 Start: 2335, Stop: 2628, Start Num: 149

Candidate Starts for Myxus_4:

(Start: 128 @2308 has 3 MA's), (Start: 149 @2335 has 147 MA's), (185, 2437), (192, 2455),

Gene: NEHalo_2 Start: 747, Stop: 1043, Start Num: 152

Candidate Starts for NEHalo_2:

(Start: 152 @747 has 485 MA's), (192, 870), (207, 960), (214, 996),

Gene: NaSiaTalie_5 Start: 2624, Stop: 2920, Start Num: 152

Candidate Starts for NaSiaTalie_5:

(63, 2423), (Start: 152 @2624 has 485 MA's),

Gene: Nabi_2 Start: 726, Stop: 1037, Start Num: 149

Candidate Starts for Nabi_2:

(Start: 67 @591 has 2 MA's), (Start: 149 @726 has 147 MA's), (171, 798), (182, 828), (196, 879),

Gene: Naca_1 Start: 505, Stop: 804, Start Num: 139

Candidate Starts for Naca_1:

(Start: 139 @505 has 40 MA's), (Start: 157 @520 has 1 MA's), (185, 613), (210, 754), (218, 799),

Gene: Naira_1 Start: 606, Stop: 902, Start Num: 152

Candidate Starts for Naira_1:

(Start: 118 @543 has 4 MA's), (Start: 134 @579 has 33 MA's), (140, 588), (Start: 152 @606 has 485 MA's), (192, 729), (202, 783), (207, 819), (214, 855),

Gene: Nairb_57 Start: 40896, Stop: 41195, Start Num: 163

Candidate Starts for Nairb_57:

(103, 40761), (129, 40821), (Start: 163 @40896 has 7 MA's), (196, 41019),

Gene: Naji_4 Start: 2345, Stop: 2641, Start Num: 152

Candidate Starts for Naji_4:

(Start: 152 @2345 has 485 MA's),

Gene: Nanodon_3 Start: 713, Stop: 1027, Start Num: 149

Candidate Starts for Nanodon_3:

(75, 602), (103, 632), (Start: 149 @713 has 147 MA's), (171, 785), (196, 869),

Gene: NearlyHeadless_1 Start: 505, Stop: 798, Start Num: 154

Candidate Starts for NearlyHeadless_1:

(Start: 154 @505 has 8 MA's), (200, 679), (214, 757), (218, 793),

Gene: Nebulosus_4 Start: 2278, Stop: 2574, Start Num: 152

Candidate Starts for Nebulosus_4:

(Start: 152 @2278 has 485 MA's), (178, 2368),

Gene: Nedarya_4 Start: 2247, Stop: 2543, Start Num: 152

Candidate Starts for Nedarya_4:

(Start: 152 @2247 has 485 MA's),

Gene: Neeharika16_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Neeharika16_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Neobush_81 Start: 50518, Stop: 50853, Start Num: 116

Candidate Starts for Neobush_81:

(25, 50245), (Start: 116 @50518 has 27 MA's),

Gene: Nerdos_2 Start: 740, Stop: 1054, Start Num: 149

Candidate Starts for Nerdos_2:

(69, 629), (91, 656), (Start: 149 @740 has 147 MA's), (196, 896),

Gene: Nergal_81 Start: 54725, Stop: 55063, Start Num: 161

Candidate Starts for Nergal_81:

(Start: 161 @54725 has 7 MA's), (187, 54815), (190, 54824), (198, 54905),

Gene: Nerujay_1 Start: 598, Stop: 906, Start Num: 152

Candidate Starts for Nerujay_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Newrala_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Newrala_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Nhonho_2 Start: 746, Stop: 1042, Start Num: 152

Candidate Starts for Nhonho_2:

(Start: 152 @746 has 485 MA's), (207, 959), (214, 995),

Gene: Nibbles_67 Start: 45280, Stop: 45597, Start Num: 156

Candidate Starts for Nibbles_67:

(Start: 156 @45280 has 6 MA's), (196, 45418), (206, 45487),

Gene: NicoleTera_4 Start: 2315, Stop: 2611, Start Num: 152

Candidate Starts for NicoleTera_4:

(Start: 152 @2315 has 485 MA's),

Gene: Niobe_69 Start: 43234, Stop: 43536, Start Num: 149

Candidate Starts for Niobe_69:

(Start: 149 @43234 has 147 MA's), (165, 43285), (170, 43300), (190, 43351), (203, 43426), (216, 43525),

Gene: Nishikigoi_2 Start: 652, Stop: 966, Start Num: 150

Candidate Starts for Nishikigoi_2:

(Start: 141 @643 has 1 MA's), (Start: 150 @652 has 51 MA's), (194, 796), (199, 829),

Gene: Nitro_70 Start: 44009, Stop: 44311, Start Num: 149

Candidate Starts for Nitro_70:

(Start: 149 @44009 has 147 MA's), (170, 44075), (190, 44126), (203, 44201), (216, 44300),

Gene: Niza_3 Start: 1297, Stop: 1593, Start Num: 152

Candidate Starts for Niza_3:

(Start: 124 @1249 has 1 MA's), (Start: 152 @1297 has 485 MA's), (192, 1420), (214, 1546),

Gene: Noella_1 Start: 445, Stop: 741, Start Num: 152

Candidate Starts for Noella_1:

(Start: 152 @445 has 485 MA's), (194, 580),

Gene: Norvs_14 Start: 3268, Stop: 3576, Start Num: 152

Candidate Starts for Norvs_14:

(127, 3238), (Start: 152 @3268 has 485 MA's), (203, 3460), (212, 3532),

Gene: Norz_2 Start: 745, Stop: 1041, Start Num: 152

Candidate Starts for Norz_2:

(Start: 152 @745 has 485 MA's), (192, 868), (207, 958), (214, 994),

Gene: Nymphadora_84 Start: 53045, Stop: 53380, Start Num: 116

Candidate Starts for Nymphadora_84:

(25, 52772), (Start: 116 @53045 has 27 MA's), (191, 53231),

Gene: OKCentral2016_1 Start: 464, Stop: 760, Start Num: 139

Candidate Starts for OKCentral2016_1:

(94, 377), (Start: 139 @464 has 40 MA's),

Gene: ObiToo_74 Start: 43593, Stop: 43895, Start Num: 149

Candidate Starts for ObiToo_74:

(Start: 149 @43593 has 147 MA's), (203, 43785), (216, 43884),

Gene: Odin_3 Start: 2153, Stop: 2449, Start Num: 152

Candidate Starts for Odin_3:

(Start: 152 @2153 has 485 MA's), (204, 2348),

Gene: Ohno789_1 Start: 597, Stop: 893, Start Num: 152

Candidate Starts for Ohno789_1:

(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: OlanP_1 Start: 710, Stop: 1003, Start Num: 152

Candidate Starts for OlanP_1:

(Start: 152 @710 has 485 MA's), (170, 776),

Gene: Oliynyk_2 Start: 746, Stop: 1060, Start Num: 149

Candidate Starts for Oliynyk_2:

(103, 668), (Start: 149 @746 has 147 MA's), (196, 902),

Gene: Ollie_1 Start: 526, Stop: 819, Start Num: 152

Candidate Starts for Ollie_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Omar_2 Start: 651, Stop: 965, Start Num: 150

Candidate Starts for Omar_2:

(Start: 141 @642 has 1 MA's), (Start: 150 @651 has 51 MA's), (194, 795), (199, 828),

Gene: OneUp_9 Start: 2116, Stop: 2424, Start Num: 152

Candidate Starts for OneUp_9:

(121, 2056), (Start: 152 @2116 has 485 MA's), (199, 2290), (205, 2326),

Gene: Oogway_1 Start: 598, Stop: 894, Start Num: 152

Candidate Starts for Oogway_1:

(Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (214, 847),

Gene: Orange_4 Start: 2389, Stop: 2652, Start Num: 162

Candidate Starts for Orange_4:

(Start: 152 @2356 has 485 MA's), (Start: 162 @2389 has 3 MA's), (178, 2446), (218, 2647),

Gene: Ozzie_2 Start: 739, Stop: 1053, Start Num: 149

Candidate Starts for Ozzie_2:

(Start: 149 @739 has 147 MA's), (196, 895),

Gene: OzzyJ_3 Start: 730, Stop: 1041, Start Num: 149

Candidate Starts for OzzyJ_3:

(Start: 67 @589 has 2 MA's), (82, 628), (Start: 149 @730 has 147 MA's), (171, 802), (196, 883),

Gene: P28Green_1 Start: 517, Stop: 819, Start Num: 134

Candidate Starts for P28Green_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: PGHhamlin_3 Start: 526, Stop: 819, Start Num: 152

Candidate Starts for PGHhamlin_3:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: PSullivan_2 Start: 834, Stop: 1130, Start Num: 152

Candidate Starts for PSullivan_2:

(Start: 124 @786 has 1 MA's), (Start: 152 @834 has 485 MA's), (192, 957), (207, 1047), (214, 1083),

Gene: Pablito_2 Start: 689, Stop: 1003, Start Num: 150

Candidate Starts for Pablito_2:

(Start: 150 @689 has 51 MA's), (194, 833), (196, 845), (199, 866),

Gene: PacerPaul_2 Start: 835, Stop: 1131, Start Num: 152

Candidate Starts for PacerPaul_2:

(Start: 124 @787 has 1 MA's), (Start: 152 @835 has 485 MA's), (192, 958), (207, 1048), (214, 1084),

Gene: PackMan_4 Start: 2335, Stop: 2628, Start Num: 149

Candidate Starts for PackMan_4:

(Start: 128 @2308 has 3 MA's), (Start: 149 @2335 has 147 MA's), (185, 2437), (192, 2455),

Gene: Paedore_3 Start: 682, Stop: 996, Start Num: 150

Candidate Starts for Paedore_3:

(Start: 107 @604 has 1 MA's), (Start: 142 @673 has 3 MA's), (Start: 150 @682 has 51 MA's), (194, 826), (196, 838),

Gene: PainterBoy_4 Start: 2125, Stop: 2418, Start Num: 149

Candidate Starts for PainterBoy_4:

(Start: 149 @2125 has 147 MA's), (170, 2191), (185, 2227), (192, 2245), (194, 2257),

Gene: Paolo_3 Start: 1034, Stop: 1348, Start Num: 150

Candidate Starts for Paolo_3:

(69, 881), (Start: 107 @962 has 1 MA's), (Start: 141 @1028 has 1 MA's), (Start: 150 @1034 has 51 MA's), (170, 1103), (194, 1178),

Gene: Papez_2 Start: 785, Stop: 1129, Start Num: 124

Candidate Starts for Papez_2:

(Start: 124 @785 has 1 MA's), (Start: 152 @833 has 485 MA's), (173, 908), (192, 956), (207, 1046), (214, 1082),

Gene: Paphu_1 Start: 597, Stop: 893, Start Num: 152

Candidate Starts for Paphu_1:

(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: Paraselene_1 Start: 597, Stop: 893, Start Num: 152

Candidate Starts for Paraselene_1:

(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: Pari_2 Start: 735, Stop: 1031, Start Num: 152

Candidate Starts for Pari_2:

(Start: 152 @735 has 485 MA's), (192, 858), (207, 948), (214, 984),

Gene: Parliament_1 Start: 598, Stop: 894, Start Num: 152

Candidate Starts for Parliament_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: PascalRango_2 Start: 747, Stop: 1043, Start Num: 152

Candidate Starts for PascalRango_2:

(Start: 152 @747 has 485 MA's), (192, 870), (207, 960), (214, 996),

Gene: PattyP_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for PattyP_2:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: Pavo_3 Start: 974, Stop: 1288, Start Num: 150

Candidate Starts for Pavo_3:

(51, 770), (52, 773), (Start: 67 @815 has 2 MA's), (68, 824), (98, 875), (Start: 142 @968 has 3 MA's), (Start: 150 @974 has 51 MA's), (170, 1043), (194, 1118), (199, 1151),

Gene: Payneful_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for Payneful_2:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: PeaceMeal1_1 Start: 474, Stop: 770, Start Num: 139

Candidate Starts for PeaceMeal1_1:

(46, 270), (Start: 139 @474 has 40 MA's), (194, 609),

Gene: Pelly_2 Start: 782, Stop: 1078, Start Num: 152

Candidate Starts for Pelly_2:

(Start: 152 @782 has 485 MA's), (192, 905), (207, 995), (214, 1031),

Gene: Pembroke_1 Start: 517, Stop: 819, Start Num: 134

Candidate Starts for Pembroke_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Penny1_1 Start: 526, Stop: 819, Start Num: 152

Candidate Starts for Penny1_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Pepe_2 Start: 860, Stop: 1165, Start Num: 152

Candidate Starts for Pepe_2:

(Start: 124 @812 has 1 MA's), (Start: 152 @860 has 485 MA's), (192, 983), (207, 1073), (214, 1109),

Gene: Percival_75 Start: 46934, Stop: 47236, Start Num: 149

Candidate Starts for Percival_75:

(Start: 149 @46934 has 147 MA's), (170, 47000), (190, 47051), (194, 47075),

Gene: Perseus_1 Start: 595, Stop: 891, Start Num: 152

Candidate Starts for Perseus_1:

(Start: 118 @532 has 4 MA's), (Start: 134 @568 has 33 MA's), (140, 577), (Start: 150 @592 has 51 MA's), (Start: 152 @595 has 485 MA's), (192, 718), (207, 808), (214, 844),

Gene: Peterson_1 Start: 599, Stop: 895, Start Num: 152

Candidate Starts for Peterson_1:

(Start: 134 @572 has 33 MA's), (140, 581), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: Petp2012_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for Petp2012_2:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: Petruchio_2 Start: 749, Stop: 1045, Start Num: 152

Candidate Starts for Petruchio_2:

(Start: 152 @749 has 485 MA's), (192, 872), (207, 962), (214, 998),

Gene: PetterN_1 Start: 502, Stop: 801, Start Num: 139

Candidate Starts for PetterN_1:

(Start: 139 @502 has 40 MA's), (Start: 157 @517 has 1 MA's), (185, 610), (210, 751), (218, 796),

Gene: Ph8s_4 Start: 2160, Stop: 2456, Start Num: 152

Candidate Starts for Ph8s_4:

(110, 2076), (Start: 152 @2160 has 485 MA's), (199, 2328),

Gene: Phaded_4 Start: 2109, Stop: 2405, Start Num: 152

Candidate Starts for Phaded_4:

(Start: 152 @2109 has 485 MA's), (181, 2208), (204, 2304),

Gene: Phaeder_4 Start: 2335, Stop: 2628, Start Num: 149

Candidate Starts for Phaeder_4:

(Start: 128 @2308 has 3 MA's), (Start: 149 @2335 has 147 MA's), (185, 2437), (192, 2455),

Gene: Phantastic_1 Start: 425, Stop: 721, Start Num: 138

Candidate Starts for Phantastic_1:

(135, 422), (Start: 138 @425 has 3 MA's), (194, 560),

Gene: Pharaoh_4 Start: 2218, Stop: 2514, Start Num: 150

Candidate Starts for Pharaoh_4:

(Start: 150 @2218 has 51 MA's), (191, 2335),

Gene: PherrisBueller_2 Start: 863, Stop: 1171, Start Num: 152

Candidate Starts for PherrisBueller_2:

(Start: 124 @815 has 1 MA's), (Start: 152 @863 has 485 MA's), (192, 986), (207, 1076), (214, 1112),

Gene: Phettuccine_2 Start: 740, Stop: 1054, Start Num: 149

Candidate Starts for Phettuccine_2:

(69, 629), (91, 656), (Start: 149 @740 has 147 MA's), (196, 896),

Gene: Phillis_1 Start: 505, Stop: 798, Start Num: 154

Candidate Starts for Phillis_1:

(Start: 154 @505 has 8 MA's), (178, 592), (200, 679), (214, 757), (218, 793),

Gene: PhinkBoden_15 Start: 3766, Stop: 4074, Start Num: 152

Candidate Starts for PhinkBoden_15:

(127, 3736), (Start: 152 @3766 has 485 MA's), (212, 4030),

Gene: PhishRPhriends_1 Start: 531, Stop: 824, Start Num: 152

Candidate Starts for PhishRPhriends_1:

(Start: 134 @522 has 33 MA's), (Start: 152 @531 has 485 MA's), (170, 597),

Gene: Phives_70 Start: 43835, Stop: 44137, Start Num: 149

Candidate Starts for Phives_70:

(Start: 149 @43835 has 147 MA's), (170, 43901), (190, 43952), (203, 44027), (216, 44126),

Gene: Phlorence_1 Start: 534, Stop: 833, Start Num: 139

Candidate Starts for Phlorence_1:

(61, 372), (Start: 139 @534 has 40 MA's), (185, 642), (200, 714), (210, 783), (218, 828),

Gene: Phoebe_1 Start: 517, Stop: 819, Start Num: 134

Candidate Starts for Phoebe_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Phonnegut_4 Start: 2335, Stop: 2628, Start Num: 149

Candidate Starts for Phonnegut_4:

(Start: 128 @2308 has 3 MA's), (Start: 149 @2335 has 147 MA's), (185, 2437), (192, 2455),

Gene: Phoxy_1 Start: 527, Stop: 820, Start Num: 152

Candidate Starts for Phoxy_1:

(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Phranny_2 Start: 531, Stop: 824, Start Num: 152

Candidate Starts for Phranny_2:

(Start: 134 @522 has 33 MA's), (Start: 152 @531 has 485 MA's), (170, 597),

Gene: PhrostyMug_1 Start: 532, Stop: 891, Start Num: 118

Candidate Starts for PhrostyMug_1:

(Start: 118 @532 has 4 MA's), (Start: 134 @568 has 33 MA's), (140, 577), (Start: 150 @592 has 51 MA's), (Start: 152 @595 has 485 MA's), (192, 718), (207, 808), (214, 844),

Gene: PickleBack_1 Start: 535, Stop: 834, Start Num: 139

Candidate Starts for PickleBack_1:

(Start: 139 @535 has 40 MA's), (185, 643), (200, 715), (210, 784), (218, 829),

Gene: PinkPlastic_1 Start: 597, Stop: 893, Start Num: 152

Candidate Starts for PinkPlastic_1:

(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (202, 774), (207, 810), (214, 846),

Gene: Pinto_1 Start: 535, Stop: 894, Start Num: 118

Candidate Starts for Pinto_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Pioneer_4 Start: 2335, Stop: 2628, Start Num: 149

Candidate Starts for Pioneer_4:

(Start: 128 @2308 has 3 MA's), (Start: 149 @2335 has 147 MA's), (185, 2437), (192, 2455),

Gene: Pippin_2 Start: 749, Stop: 1057, Start Num: 152

Candidate Starts for Pippin_2:

(Start: 152 @749 has 485 MA's), (192, 872), (207, 962), (214, 998),

Gene: Piro94_4 Start: 2628, Stop: 2924, Start Num: 152

Candidate Starts for Piro94_4:

(63, 2427), (Start: 152 @2628 has 485 MA's),

Gene: Pistachio_1 Start: 420, Stop: 716, Start Num: 152

Candidate Starts for Pistachio_1:

(Start: 152 @420 has 485 MA's), (194, 555),

Gene: Pita2_2 Start: 834, Stop: 1130, Start Num: 152

Candidate Starts for Pita2_2:

(Start: 124 @786 has 1 MA's), (Start: 152 @834 has 485 MA's), (192, 957), (207, 1047), (214, 1083),

Gene: Pixelle_68 Start: 43980, Stop: 44282, Start Num: 149

Candidate Starts for Pixelle_68:

(Start: 149 @43980 has 147 MA's), (170, 44046), (190, 44097), (203, 44172), (216, 44271),

Gene: Pmask_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Pmask_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Pocahontas_1 Start: 445, Stop: 741, Start Num: 152

Candidate Starts for Pocahontas_1:

(Start: 152 @445 has 485 MA's), (194, 580),

Gene: Poise_93 Start: 48691, Stop: 49017, Start Num: 152

Candidate Starts for Poise_93:

(135, 48664), (Start: 152 @48691 has 485 MA's), (Start: 163 @48733 has 7 MA's), (175, 48778), (193, 48838), (201, 48898), (209, 48958),

Gene: Pollux_82 Start: 52125, Stop: 52415, Start Num: 160

Candidate Starts for Pollux_82:

(10, 51612), (27, 51762), (29, 51771), (32, 51798), (34, 51816), (39, 51840), (48, 51879), (54, 51891), (57, 51894), (112, 52029), (Start: 160 @52125 has 19 MA's),

Gene: Polly_76 Start: 49393, Stop: 49728, Start Num: 116

Candidate Starts for Polly_76:

(25, 49120), (Start: 116 @49393 has 27 MA's),

Gene: Pomar16_4 Start: 2345, Stop: 2641, Start Num: 152

Candidate Starts for Pomar16_4:

(Start: 152 @2345 has 485 MA's),

Gene: Ponzi_39 Start: 21753, Stop: 22079, Start Num: 115

Candidate Starts for Ponzi_39:

(Start: 115 @21753 has 3 MA's), (197, 21984),

Gene: Poompha_1 Start: 472, Stop: 768, Start Num: 139

Candidate Starts for Poompha_1:

(41, 247), (Start: 139 @472 has 40 MA's), (194, 607),

Gene: Posh_79 Start: 51944, Stop: 52234, Start Num: 160

Candidate Starts for Posh_79:

(Start: 130 @51887 has 1 MA's), (Start: 134 @51893 has 33 MA's), (Start: 160 @51944 has 19 MA's),

Gene: PotatoSplit_2 Start: 517, Stop: 819, Start Num: 134

Candidate Starts for PotatoSplit_2:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Poushou_54 Start: 39982, Stop: 40287, Start Num: 155

Candidate Starts for Poushou_54:

(Start: 155 @39982 has 3 MA's), (176, 40057), (183, 40078), (199, 40159),

Gene: Power_5 Start: 2567, Stop: 2863, Start Num: 152

Candidate Starts for Power_5:

(Start: 152 @2567 has 485 MA's), (192, 2690),

Gene: Powerpuff_71 Start: 44281, Stop: 44583, Start Num: 149

Candidate Starts for Powerpuff_71:

(Start: 149 @44281 has 147 MA's), (165, 44332), (170, 44347), (190, 44398), (203, 44473), (216, 44572),

Gene: Priamo_4 Start: 2158, Stop: 2454, Start Num: 152

Candidate Starts for Priamo_4:

(Start: 152 @2158 has 485 MA's), (194, 2293),

Gene: Pringar_88 Start: 48479, Stop: 48805, Start Num: 152

Candidate Starts for Pringar_88:

(145, 48473), (Start: 152 @48479 has 485 MA's), (Start: 163 @48521 has 7 MA's), (175, 48566), (193, 48626), (201, 48686), (209, 48746),

Gene: Priya_4 Start: 2332, Stop: 2625, Start Num: 149

Candidate Starts for Priya_4:

(Start: 128 @2305 has 3 MA's), (Start: 149 @2332 has 147 MA's), (185, 2434), (192, 2452),

Gene: ProMouse_1 Start: 596, Stop: 892, Start Num: 152

Candidate Starts for ProMouse_1:

(119, 533), (Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719), (214, 845),

Gene: Provolone_4 Start: 978, Stop: 1292, Start Num: 150

Candidate Starts for Provolone_4:

(64, 825), (80, 858), (87, 864), (89, 870), (Start: 142 @972 has 3 MA's), (Start: 150 @978 has 51 MA's), (170, 1047), (194, 1122), (199, 1155),

Gene: Puginator_3 Start: 1036, Stop: 1350, Start Num: 150

Candidate Starts for Puginator_3:

(69, 883), (Start: 107 @964 has 1 MA's), (Start: 141 @1030 has 1 MA's), (Start: 150 @1036 has 51 MA's), (170, 1105), (194, 1180),

Gene: Pukovnik_4 Start: 2088, Stop: 2384, Start Num: 152

Candidate Starts for Pukovnik_4:

(Start: 152 @2088 has 485 MA's), (204, 2283),

Gene: Puppy_1 Start: 420, Stop: 716, Start Num: 152

Candidate Starts for Puppy_1:

(Start: 152 @420 has 485 MA's), (194, 555),

Gene: PurpleHaze_1 Start: 522, Stop: 824, Start Num: 134

Candidate Starts for PurpleHaze_1:

(Start: 134 @522 has 33 MA's), (Start: 152 @531 has 485 MA's), (170, 597),

Gene: Pytheas_83 Start: 53170, Stop: 53460, Start Num: 160

Candidate Starts for Pytheas_83:

(Start: 130 @53113 has 1 MA's), (Start: 134 @53119 has 33 MA's), (Start: 160 @53170 has 19 MA's),

Gene: QTRlifeCrisis_1 Start: 597, Stop: 893, Start Num: 152

Candidate Starts for QTRlifeCrisis_1:

(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: Qobbit_4 Start: 2305, Stop: 2625, Start Num: 128

Candidate Starts for Qobbit_4:

(Start: 128 @2305 has 3 MA's), (Start: 149 @2332 has 147 MA's), (185, 2434), (192, 2452),

Gene: QueenB2_5 Start: 2671, Stop: 2967, Start Num: 152

Candidate Starts for QueenB2_5:

(Start: 152 @2671 has 485 MA's), (192, 2794),

Gene: QueenBeesly_5 Start: 2568, Stop: 2864, Start Num: 152

Candidate Starts for QueenBeesly_5:

(Start: 152 @2568 has 485 MA's), (192, 2691),

Gene: R4_1 Start: 671, Stop: 985, Start Num: 150

Candidate Starts for R4_1:

(55, 464), (Start: 107 @593 has 1 MA's), (Start: 142 @662 has 3 MA's), (Start: 150 @671 has 51 MA's), (194, 815), (196, 827),

Gene: Rachaly_5 Start: 2538, Stop: 2834, Start Num: 152

Candidate Starts for Rachaly_5:

(Start: 152 @2538 has 485 MA's),

Gene: Raela_94 Start: 49242, Stop: 49568, Start Num: 152

Candidate Starts for Raela_94:

(135, 49215), (Start: 152 @49242 has 485 MA's), (Start: 163 @49284 has 7 MA's), (175, 49329), (193, 49389), (201, 49449), (209, 49509),

Gene: Rahalelujah_4 Start: 2102, Stop: 2395, Start Num: 149

Candidate Starts for Rahalelujah_4:

(Start: 149 @2102 has 147 MA's), (185, 2204), (192, 2222),

Gene: Rajelicia_2 Start: 750, Stop: 1046, Start Num: 152

Candidate Starts for Rajelicia_2:

(Start: 152 @750 has 485 MA's), (192, 873), (207, 963), (214, 999),

Gene: Rana_2 Start: 726, Stop: 1037, Start Num: 149

Candidate Starts for Rana_2:

(Start: 67 @591 has 2 MA's), (Start: 149 @726 has 147 MA's), (171, 798), (182, 828), (196, 879),

Gene: RavenCo17_74 Start: 49279, Stop: 49611, Start Num: 116

Candidate Starts for RavenCo17_74:

(Start: 116 @49279 has 27 MA's), (172, 49411),

Gene: ReMo_4 Start: 2278, Stop: 2574, Start Num: 152

Candidate Starts for ReMo_4:

(Start: 152 @2278 has 485 MA's), (178, 2368),

Gene: Reba_2 Start: 531, Stop: 824, Start Num: 152

Candidate Starts for Reba_2:

(Start: 134 @522 has 33 MA's), (Start: 152 @531 has 485 MA's), (170, 597),

Gene: RedBear_3 Start: 726, Stop: 1040, Start Num: 149

Candidate Starts for RedBear_3:

(66, 582), (Start: 149 @726 has 147 MA's), (171, 798), (196, 882),

Gene: RedRaider77_92 Start: 48636, Stop: 48962, Start Num: 152

Candidate Starts for RedRaider77_92:

(135, 48609), (Start: 152 @48636 has 485 MA's), (Start: 163 @48678 has 7 MA's), (175, 48723), (193, 48783), (201, 48843), (209, 48903),

Gene: RedRock_4 Start: 2278, Stop: 2574, Start Num: 152

Candidate Starts for RedRock_4:

(Start: 152 @2278 has 485 MA's), (192, 2401),

Gene: Reedo_68 Start: 41440, Stop: 41742, Start Num: 149

Candidate Starts for Reedo_68:

(Start: 149 @41440 has 147 MA's), (167, 41500), (170, 41506), (190, 41557), (203, 41632), (216, 41731), (217, 41734),

Gene: Refuge_4 Start: 2250, Stop: 2546, Start Num: 152

Candidate Starts for Refuge_4:

(Start: 152 @2250 has 485 MA's),

Gene: Remus_4 Start: 2278, Stop: 2574, Start Num: 152

Candidate Starts for Remus_4:

(Start: 152 @2278 has 485 MA's),

Gene: Renaud18_112 Start: 57550, Stop: 57837, Start Num: 160

Candidate Starts for Renaud18_112:

(17, 57079), (43, 57280), (60, 57319), (81, 57385), (84, 57388), (Start: 134 @57499 has 33 MA's),

(Start: 160 @57550 has 19 MA's),

Gene: ResDef_1 Start: 445, Stop: 741, Start Num: 152

Candidate Starts for ResDef_1:

(Start: 152 @445 has 485 MA's), (194, 580),

Gene: Retro23_5 Start: 2671, Stop: 2967, Start Num: 152

Candidate Starts for Retro23_5:

(Start: 152 @2671 has 485 MA's), (192, 2794),

Gene: RhynO_1 Start: 474, Stop: 770, Start Num: 139

Candidate Starts for RhynO_1:

(Start: 139 @474 has 40 MA's), (194, 609),

Gene: Rhynn_1 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for Rhynn_1:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: RidgeCB_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for RidgeCB_2:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: Rifter_4 Start: 2132, Stop: 2428, Start Num: 152

Candidate Starts for Rifter_4:

(Start: 152 @2132 has 485 MA's), (194, 2267),

Gene: Ringer_1 Start: 597, Stop: 893, Start Num: 152

Candidate Starts for Ringer_1:

(Start: 134 @570 has 33 MA's), (140, 579), (Start: 150 @594 has 51 MA's), (Start: 152 @597 has 485

MA's), (192, 720), (207, 810), (214, 846),

Gene: Roary_1 Start: 505, Stop: 798, Start Num: 154

Candidate Starts for Roary_1:

(Start: 154 @505 has 8 MA's), (178, 592), (200, 679), (214, 757), (218, 793),

Gene: Rohr_2 Start: 832, Stop: 1128, Start Num: 152

Candidate Starts for Rohr_2:

(Start: 124 @784 has 1 MA's), (Start: 152 @832 has 485 MA's), (192, 955), (207, 1045), (214, 1081),

Gene: Roksolana_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for Roksolana_4:
(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: RonRayGun_59 Start: 41099, Stop: 41398, Start Num: 163
Candidate Starts for RonRayGun_59:
(Start: 163 @41099 has 7 MA's), (196, 41222),

Gene: RootBeer_55 Start: 38956, Stop: 39309, Start Num: 114
Candidate Starts for RootBeer_55:
(73, 38890), (Start: 114 @38956 has 1 MA's), (180, 39118), (188, 39139),

Gene: Rosalind_4 Start: 2425, Stop: 2721, Start Num: 152
Candidate Starts for Rosalind_4:
(Start: 152 @2425 has 485 MA's), (178, 2515),

Gene: Rubeus_2 Start: 748, Stop: 1044, Start Num: 152
Candidate Starts for Rubeus_2:
(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: Rufus_2 Start: 747, Stop: 1043, Start Num: 152
Candidate Starts for Rufus_2:
(Start: 152 @747 has 485 MA's), (192, 870), (207, 960), (214, 996),

Gene: Rummer_1 Start: 518, Stop: 820, Start Num: 134
Candidate Starts for Rummer_1:
(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Ruotula_2 Start: 1335, Stop: 1625, Start Num: 160
Candidate Starts for Ruotula_2:
(21, 900), (35, 1008), (36, 1017), (86, 1173), (90, 1182), (92, 1185), (Start: 160 @1335 has 19 MA's),
(164, 1362), (207, 1542), (214, 1578),

Gene: Rusticus_2 Start: 746, Stop: 1060, Start Num: 149
Candidate Starts for Rusticus_2:
(103, 668), (Start: 149 @746 has 147 MA's), (196, 902),

Gene: Rutherferd_1 Start: 597, Stop: 893, Start Num: 152
Candidate Starts for Rutherferd_1:
(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: RyeScarlet_5 Start: 2335, Stop: 2628, Start Num: 149
Candidate Starts for RyeScarlet_5:
(Start: 128 @2308 has 3 MA's), (Start: 149 @2335 has 147 MA's), (185, 2437), (192, 2455),

Gene: SPB78_77 Start: 49993, Stop: 50292, Start Num: 146
Candidate Starts for SPB78_77:
(146, 49993), (165, 50050), (189, 50110),

Gene: STLscum_2 Start: 861, Stop: 1166, Start Num: 152
Candidate Starts for STLscum_2:
(Start: 124 @813 has 1 MA's), (Start: 152 @861 has 485 MA's), (192, 984), (207, 1074), (214, 1110),

Gene: Sabia_1 Start: 518, Stop: 820, Start Num: 134
Candidate Starts for Sabia_1:
(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Sabinator_1 Start: 526, Stop: 819, Start Num: 152
Candidate Starts for Sabinator_1:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Saftant_2 Start: 978, Stop: 1292, Start Num: 150
Candidate Starts for Saftant_2:
(70, 831), (86, 855), (90, 864), (Start: 142 @969 has 3 MA's), (143, 972), (Start: 150 @978 has 51 MA's), (194, 1122),

Gene: Sagefire_2 Start: 699, Stop: 995, Start Num: 152
Candidate Starts for Sagefire_2:
(Start: 152 @699 has 485 MA's), (192, 822), (207, 912), (214, 948),

Gene: Saintus_1 Start: 505, Stop: 798, Start Num: 154
Candidate Starts for Saintus_1:
(Start: 154 @505 has 8 MA's), (178, 592), (200, 679), (214, 757), (218, 793),

Gene: Salz_4 Start: 2356, Stop: 2652, Start Num: 152
Candidate Starts for Salz_4:
(Start: 152 @2356 has 485 MA's), (Start: 162 @2389 has 3 MA's), (178, 2446), (218, 2647),

Gene: Samy_101 Start: 60454, Stop: 60759, Start Num: 150
Candidate Starts for Samy_101:
(Start: 150 @60454 has 51 MA's), (181, 60550), (190, 60571), (194, 60595), (199, 60628), (211, 60712), (213, 60718),

Gene: Sanya_1 Start: 1334, Stop: 1624, Start Num: 160
Candidate Starts for Sanya_1:
(21, 899), (36, 1016), (86, 1172), (90, 1181), (92, 1184), (Start: 160 @1334 has 19 MA's), (164, 1361), (207, 1541), (214, 1577),

Gene: SarFire_2 Start: 757, Stop: 1053, Start Num: 152
Candidate Starts for SarFire_2:
(Start: 152 @757 has 485 MA's), (192, 880), (207, 970), (214, 1006),

Gene: SarahRose_2 Start: 729, Stop: 1040, Start Num: 149
Candidate Starts for SarahRose_2:
(Start: 67 @588 has 2 MA's), (82, 627), (Start: 149 @729 has 147 MA's), (171, 801), (196, 882),

Gene: Scherzo_4 Start: 2335, Stop: 2628, Start Num: 149
Candidate Starts for Scherzo_4:
(Start: 128 @2308 has 3 MA's), (Start: 149 @2335 has 147 MA's), (185, 2437), (192, 2455),

Gene: Scorpia_1 Start: 502, Stop: 801, Start Num: 139
Candidate Starts for Scorpia_1:
(Start: 139 @502 has 40 MA's), (Start: 157 @517 has 1 MA's), (185, 610), (210, 751), (218, 796),

Gene: Scout_1 Start: 416, Stop: 712, Start Num: 138

Candidate Starts for Scout_1:

(78, 293), (133, 410), (Start: 138 @416 has 3 MA's), (194, 551),

Gene: Scowl_2 Start: 986, Stop: 1294, Start Num: 152

Candidate Starts for Scowl_2:

(Start: 152 @986 has 485 MA's), (192, 1109), (207, 1199), (214, 1235),

Gene: Seabiscuit_2 Start: 749, Stop: 1045, Start Num: 152

Candidate Starts for Seabiscuit_2:

(Start: 152 @749 has 485 MA's), (192, 872), (202, 926), (207, 962), (214, 998),

Gene: Seanderson_1 Start: 600, Stop: 896, Start Num: 152

Candidate Starts for Seanderson_1:

(Start: 118 @537 has 4 MA's), (Start: 134 @573 has 33 MA's), (140, 582), (Start: 152 @600 has 485 MA's), (192, 723), (207, 813), (214, 849),

Gene: SemperFi_5 Start: 2562, Stop: 2858, Start Num: 152

Candidate Starts for SemperFi_5:

(Start: 152 @2562 has 485 MA's), (192, 2685),

Gene: Serenity_4 Start: 2328, Stop: 2624, Start Num: 152

Candidate Starts for Serenity_4:

(Start: 152 @2328 has 485 MA's),

Gene: Severus_1 Start: 472, Stop: 768, Start Num: 139

Candidate Starts for Severus_1:

(41, 247), (Start: 139 @472 has 40 MA's), (194, 607),

Gene: ShakeltOph_72 Start: 43243, Stop: 43605, Start Num: 142

Candidate Starts for ShakeltOph_72:

(84, 43126), (Start: 142 @43243 has 3 MA's), (167, 43312), (170, 43318), (214, 43513), (221, 43555),

Gene: Sham4_4 Start: 2359, Stop: 2655, Start Num: 152

Candidate Starts for Sham4_4:

(Start: 152 @2359 has 485 MA's), (Start: 162 @2392 has 3 MA's), (178, 2449), (218, 2650),

Gene: Shambre1_67 Start: 41812, Stop: 42165, Start Num: 115

Candidate Starts for Shambre1_67:

(Start: 115 @41812 has 3 MA's), (188, 41995),

Gene: ShayRa_5 Start: 2425, Stop: 2721, Start Num: 152

Candidate Starts for ShayRa_5:

(Start: 152 @2425 has 485 MA's), (178, 2515),

Gene: SheaKeira_4 Start: 2123, Stop: 2416, Start Num: 149

Candidate Starts for SheaKeira_4:

(Start: 149 @2123 has 147 MA's), (178, 2210), (185, 2225), (192, 2243),

Gene: Sheen_1 Start: 397, Stop: 693, Start Num: 142

Candidate Starts for Sheen_1:

(95, 301), (Start: 142 @397 has 3 MA's), (210, 643),

Gene: ShortQueendom_1 Start: 599, Stop: 895, Start Num: 152

Candidate Starts for ShortQueendom_1:

(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: Sibs6_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for Sibs6_2:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: SkiPole_2 Start: 861, Stop: 1166, Start Num: 152

Candidate Starts for SkiPole_2:

(Start: 124 @813 has 1 MA's), (Start: 152 @861 has 485 MA's), (192, 984), (207, 1074), (214, 1110),

Gene: Slagathor_2 Start: 750, Stop: 1046, Start Num: 152

Candidate Starts for Slagathor_2:

(Start: 152 @750 has 485 MA's), (192, 873), (207, 963), (214, 999),

Gene: Smairt_1 Start: 595, Stop: 891, Start Num: 152

Candidate Starts for Smairt_1:

(Start: 118 @532 has 4 MA's), (Start: 134 @568 has 33 MA's), (140, 577), (Start: 150 @592 has 51 MA's), (Start: 152 @595 has 485 MA's), (192, 718), (207, 808), (214, 844),

Gene: Smeadley_1 Start: 505, Stop: 798, Start Num: 154

Candidate Starts for Smeadley_1:

(Start: 154 @505 has 8 MA's), (178, 592), (200, 679), (214, 757), (218, 793),

Gene: Smeagan_5 Start: 2550, Stop: 2846, Start Num: 152

Candidate Starts for Smeagan_5:

(Start: 152 @2550 has 485 MA's), (192, 2673),

Gene: Smeagol_1 Start: 596, Stop: 892, Start Num: 152

Candidate Starts for Smeagol_1:

(Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719), (207, 809), (214, 845),

Gene: SmellyB_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for SmellyB_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Smoothie_14 Start: 3268, Stop: 3576, Start Num: 152

Candidate Starts for Smoothie_14:

(127, 3238), (Start: 152 @3268 has 485 MA's), (203, 3460), (212, 3532),

Gene: SnapTap_5 Start: 2567, Stop: 2863, Start Num: 152

Candidate Starts for SnapTap_5:

(Start: 152 @2567 has 485 MA's), (192, 2690),

Gene: Snape_4 Start: 2362, Stop: 2658, Start Num: 152

Candidate Starts for Snape_4:

(Start: 152 @2362 has 485 MA's), (Start: 162 @2395 has 3 MA's), (178, 2452), (218, 2653),

Gene: Snazzy_1 Start: 595, Stop: 891, Start Num: 152

Candidate Starts for Snazzy_1:

(Start: 118 @532 has 4 MA's), (Start: 134 @568 has 33 MA's), (140, 577), (Start: 152 @595 has 485 MA's), (192, 718), (207, 808), (214, 844),

Gene: Snek_68 Start: 40495, Stop: 40800, Start Num: 149

Candidate Starts for Snek_68:

(Start: 149 @40495 has 147 MA's), (167, 40555), (170, 40561), (190, 40612), (216, 40786),

Gene: Snorlax_2 Start: 729, Stop: 1040, Start Num: 149

Candidate Starts for Snorlax_2:

(Start: 67 @588 has 2 MA's), (82, 627), (Start: 149 @729 has 147 MA's), (171, 801), (196, 882),

Gene: SoilDragon_1 Start: 517, Stop: 819, Start Num: 134

Candidate Starts for SoilDragon_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Solon_1 Start: 598, Stop: 894, Start Num: 152

Candidate Starts for Solon_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Soondubu_62 Start: 44779, Stop: 45078, Start Num: 149

Candidate Starts for Soondubu_62:

(79, 44641), (Start: 149 @44779 has 147 MA's), (170, 44845), (190, 44896), (216, 45070),

Gene: SororFago_4 Start: 2399, Stop: 2695, Start Num: 152

Candidate Starts for SororFago_4:

(Start: 152 @2399 has 485 MA's), (190, 2510),

Gene: Sorpresa_1 Start: 599, Stop: 895, Start Num: 152

Candidate Starts for Sorpresa_1:

(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 152 @599 has 485 MA's), (Start: 162 @632 has 3 MA's), (192, 722), (207, 812), (214, 848),

Gene: Soshari_3 Start: 518, Stop: 820, Start Num: 134

Candidate Starts for Soshari_3:

(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Soups_4 Start: 2425, Stop: 2721, Start Num: 152

Candidate Starts for Soups_4:

(Start: 152 @2425 has 485 MA's),

Gene: South40_2 Start: 726, Stop: 1040, Start Num: 149

Candidate Starts for South40_2:

(66, 582), (Start: 149 @726 has 147 MA's), (171, 798), (196, 882),

Gene: Sparky_95 Start: 62955, Stop: 63257, Start Num: 158

Candidate Starts for Sparky_95:

(63, 62730), (101, 62826), (106, 62841), (113, 62859), (126, 62895), (Start: 130 @62901 has 1 MA's), (Start: 158 @62955 has 2 MA's), (Start: 166 @62988 has 1 MA's), (220, 63246),

Gene: SpeedDemon_90 Start: 4494, Stop: 4802, Start Num: 152

Candidate Starts for SpeedDemon_90:

(Start: 152 @4494 has 485 MA's), (173, 4566), (195, 4632),

Gene: Speedwell_3 Start: 947, Stop: 1261, Start Num: 150

Candidate Starts for Speedwell_3:

(44, 725), (Start: 62 @764 has 1 MA's), (Start: 142 @938 has 3 MA's), (143, 941), (Start: 150 @947 has 51 MA's), (194, 1091),

Gene: Spike509_1 Start: 527, Stop: 820, Start Num: 152

Candidate Starts for Spike509_1:

(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: SpikeBT_1 Start: 596, Stop: 892, Start Num: 152

Candidate Starts for SpikeBT_1:

(Start: 118 @533 has 4 MA's), (Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719), (207, 809), (214, 845),

Gene: Spouty_4 Start: 2332, Stop: 2625, Start Num: 149

Candidate Starts for Spouty_4:

(Start: 128 @2305 has 3 MA's), (Start: 149 @2332 has 147 MA's), (185, 2434), (192, 2452),

Gene: SqueakyClean_3 Start: 1027, Stop: 1341, Start Num: 150

Candidate Starts for SqueakyClean_3:

(Start: 150 @1027 has 51 MA's), (170, 1096), (194, 1171),

Gene: Squee_1 Start: 606, Stop: 902, Start Num: 152

Candidate Starts for Squee_1:

(Start: 118 @543 has 4 MA's), (Start: 134 @579 has 33 MA's), (140, 588), (Start: 152 @606 has 485 MA's), (192, 729), (207, 819), (214, 855),

Gene: Stagni_1 Start: 527, Stop: 820, Start Num: 152

Candidate Starts for Stagni_1:

(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: StarStuff_4 Start: 2345, Stop: 2641, Start Num: 152

Candidate Starts for StarStuff_4:

(Start: 152 @2345 has 485 MA's),

Gene: Steamy_4 Start: 2222, Stop: 2518, Start Num: 152

Candidate Starts for Steamy_4:

(Start: 152 @2222 has 485 MA's), (170, 2288),

Gene: StepMih_1 Start: 527, Stop: 820, Start Num: 152

Candidate Starts for StepMih_1:

(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Stephig9_1 Start: 506, Stop: 799, Start Num: 154

Candidate Starts for Stephig9_1:

(Start: 154 @506 has 8 MA's), (178, 593), (200, 680), (214, 758), (218, 794),

Gene: StewieG_1 Start: 597, Stop: 893, Start Num: 152

Candidate Starts for StewieG_1:

(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: Stink_1 Start: 356, Stop: 763, Start Num: 96
Candidate Starts for Stink_1:
(Start: 96 @356 has 2 MA's), (170, 536), (214, 722),

Gene: StrongArm_1 Start: 599, Stop: 895, Start Num: 152
Candidate Starts for StrongArm_1:
(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 150 @596 has 51 MA's), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: Strosahl_4 Start: 2278, Stop: 2574, Start Num: 152
Candidate Starts for Strosahl_4:
(Start: 152 @2278 has 485 MA's),

Gene: SuMoo_83 Start: 48762, Stop: 49061, Start Num: 149
Candidate Starts for SuMoo_83:
(24, 48399), (28, 48429), (38, 48498), (Start: 149 @48762 has 147 MA's), (170, 48828), (190, 48879), (203, 48954),

Gene: Success_39 Start: 23746, Stop: 24093, Start Num: 111
Candidate Starts for Success_39:
(109, 23743), (Start: 111 @23746 has 1 MA's), (Start: 115 @23752 has 3 MA's), (174, 23911),

Gene: Sue2_68 Start: 41870, Stop: 42175, Start Num: 149
Candidate Starts for Sue2_68:
(125, 41837), (Start: 149 @41870 has 147 MA's), (170, 41936), (190, 41987), (216, 42161),

Gene: Sujidade_2 Start: 723, Stop: 1034, Start Num: 149
Candidate Starts for Sujidade_2:
(Start: 67 @588 has 2 MA's), (Start: 149 @723 has 147 MA's), (171, 795), (192, 852),

Gene: Sumter_1 Start: 599, Stop: 895, Start Num: 152
Candidate Starts for Sumter_1:
(Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: SunsetPointe_2 Start: 739, Stop: 1053, Start Num: 149
Candidate Starts for SunsetPointe_2:
(Start: 149 @739 has 147 MA's), (196, 895),

Gene: Sunshine924_1 Start: 595, Stop: 891, Start Num: 152
Candidate Starts for Sunshine924_1:
(Start: 118 @532 has 4 MA's), (Start: 134 @568 has 33 MA's), (140, 577), (Start: 152 @595 has 485 MA's), (192, 718), (207, 808), (214, 844),

Gene: SuperAwesome_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for SuperAwesome_4:
(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: SuperCallie99_4 Start: 2144, Stop: 2440, Start Num: 152
Candidate Starts for SuperCallie99_4:
(Start: 152 @2144 has 485 MA's), (194, 2279),

Gene: Superchunk_4 Start: 2154, Stop: 2450, Start Num: 152
Candidate Starts for Superchunk_4:

(Start: 152 @2154 has 485 MA's), (204, 2349),

Gene: Survivors_69 Start: 45115, Stop: 45432, Start Num: 156

Candidate Starts for Survivors_69:

(Start: 156 @45115 has 6 MA's), (196, 45253), (206, 45322),

Gene: Suscepit_79 Start: 49951, Stop: 50286, Start Num: 116

Candidate Starts for Suscepit_79:

(25, 49678), (Start: 116 @49951 has 27 MA's),

Gene: SweetiePie_5 Start: 2568, Stop: 2864, Start Num: 152

Candidate Starts for SweetiePie_5:

(Start: 152 @2568 has 485 MA's), (192, 2691),

Gene: SwissCheese_1 Start: 596, Stop: 892, Start Num: 152

Candidate Starts for SwissCheese_1:

(Start: 118 @533 has 4 MA's), (Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719), (202, 773), (207, 809), (214, 845),

Gene: Switzer_2 Start: 747, Stop: 1043, Start Num: 152

Candidate Starts for Switzer_2:

(Start: 152 @747 has 485 MA's), (192, 870), (207, 960), (214, 996),

Gene: Switzerland_4 Start: 2425, Stop: 2721, Start Num: 152

Candidate Starts for Switzerland_4:

(Start: 152 @2425 has 485 MA's), (178, 2515),

Gene: TChen_101 Start: 57213, Stop: 57500, Start Num: 160

Candidate Starts for TChen_101:

(17, 56742), (43, 56943), (60, 56982), (81, 57048), (84, 57051), (Start: 134 @57162 has 33 MA's), (Start: 160 @57213 has 19 MA's),

Gene: TNguyen7_1 Start: 418, Stop: 714, Start Num: 152

Candidate Starts for TNguyen7_1:

(Start: 152 @418 has 485 MA's), (194, 553),

Gene: TagePhighter_3 Start: 730, Stop: 1041, Start Num: 149

Candidate Starts for TagePhighter_3:

(Start: 67 @589 has 2 MA's), (82, 628), (Start: 149 @730 has 147 MA's), (171, 802), (196, 883),

Gene: Tallboi_69 Start: 43220, Stop: 43522, Start Num: 149

Candidate Starts for Tallboi_69:

(Start: 149 @43220 has 147 MA's), (200, 43403), (216, 43511),

Gene: Target_2 Start: 851, Stop: 1147, Start Num: 152

Candidate Starts for Target_2:

(Start: 124 @803 has 1 MA's), (Start: 152 @851 has 485 MA's), (192, 974), (207, 1064), (214, 1100),

Gene: TarsusIV_5 Start: 2568, Stop: 2864, Start Num: 152

Candidate Starts for TarsusIV_5:

(Start: 152 @2568 has 485 MA's),

Gene: Tasp14_2 Start: 770, Stop: 1066, Start Num: 152

Candidate Starts for Tasp14_2:

(Start: 141 @755 has 1 MA's), (Start: 152 @770 has 485 MA's), (192, 893), (207, 983), (214, 1019),

Gene: Taurus_1 Start: 517, Stop: 819, Start Num: 134

Candidate Starts for Taurus_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Tayonia_79 Start: 49950, Stop: 50285, Start Num: 116

Candidate Starts for Tayonia_79:

(25, 49677), (Start: 116 @49950 has 27 MA's),

Gene: Tbone_69 Start: 43742, Stop: 44044, Start Num: 149

Candidate Starts for Tbone_69:

(Start: 149 @43742 has 147 MA's), (165, 43793), (170, 43808), (190, 43859), (203, 43934), (216, 44033),

Gene: Tefunt_2 Start: 643, Stop: 966, Start Num: 141

Candidate Starts for Tefunt_2:

(Start: 141 @643 has 1 MA's), (Start: 150 @652 has 51 MA's), (194, 796), (199, 829),

Gene: Teodoridan_1 Start: 600, Stop: 896, Start Num: 152

Candidate Starts for Teodoridan_1:

(Start: 118 @537 has 4 MA's), (Start: 134 @573 has 33 MA's), (140, 582), (Start: 152 @600 has 485 MA's), (192, 723), (207, 813), (214, 849),

Gene: Tesla_88 Start: 48485, Stop: 48811, Start Num: 152

Candidate Starts for Tesla_88:

(135, 48458), (Start: 152 @48485 has 485 MA's), (Start: 163 @48527 has 7 MA's), (175, 48572), (193, 48632), (201, 48692), (209, 48752),

Gene: TforTroy_69 Start: 43283, Stop: 43591, Start Num: 149

Candidate Starts for TforTroy_69:

(47, 43070), (Start: 149 @43283 has 147 MA's), (200, 43466), (203, 43475), (216, 43574),

Gene: ThankyouJordi_83 Start: 53067, Stop: 53414, Start Num: 116

Candidate Starts for ThankyouJordi_83:

(25, 52794), (Start: 116 @53067 has 27 MA's),

Gene: TheloniousMonk_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for TheloniousMonk_2:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: Thestral_2 Start: 639, Stop: 953, Start Num: 150

Candidate Starts for Thestral_2:

(Start: 150 @639 has 51 MA's), (194, 783),

Gene: Thor_2 Start: 757, Stop: 1053, Start Num: 152

Candidate Starts for Thor_2:

(Start: 152 @757 has 485 MA's), (192, 880), (207, 970), (214, 1006),

Gene: Tian_67 Start: 43915, Stop: 44217, Start Num: 149

Candidate Starts for Tian_67:

(Start: 149 @43915 has 147 MA's), (170, 43981), (190, 44032), (200, 44098), (216, 44206),

Gene: Tiffany_1 Start: 527, Stop: 820, Start Num: 152
Candidate Starts for Tiffany_1:
(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Tiger_1 Start: 534, Stop: 833, Start Num: 139
Candidate Starts for Tiger_1:
(61, 372), (Start: 139 @534 has 40 MA's), (185, 642), (200, 714), (210, 783), (218, 828),

Gene: TimTam_84 Start: 53045, Stop: 53380, Start Num: 116
Candidate Starts for TimTam_84:
(25, 52772), (Start: 116 @53045 has 27 MA's), (191, 53231),

Gene: Timothy_4 Start: 2356, Stop: 2652, Start Num: 152
Candidate Starts for Timothy_4:
(Start: 152 @2356 has 485 MA's), (Start: 162 @2389 has 3 MA's), (178, 2446), (218, 2647),

Gene: Timshel_1 Start: 408, Stop: 704, Start Num: 152
Candidate Starts for Timshel_1:
(93, 297), (Start: 152 @408 has 485 MA's), (210, 654), (215, 672),

Gene: TinaBelcher_2 Start: 639, Stop: 953, Start Num: 150
Candidate Starts for TinaBelcher_2:
(Start: 150 @639 has 51 MA's), (194, 783),

Gene: TinyTimmy_4 Start: 2356, Stop: 2652, Start Num: 152
Candidate Starts for TinyTimmy_4:
(Start: 152 @2356 has 485 MA's), (Start: 162 @2389 has 3 MA's), (178, 2446), (218, 2647),

Gene: TipsytheTRex_4 Start: 2326, Stop: 2622, Start Num: 152
Candidate Starts for TipsytheTRex_4:
(Start: 152 @2326 has 485 MA's),

Gene: Toaka_4 Start: 2356, Stop: 2682, Start Num: 128
Candidate Starts for Toaka_4:
(Start: 128 @2356 has 3 MA's), (Start: 152 @2389 has 485 MA's), (185, 2491), (192, 2509),

Gene: Todacoro_1 Start: 445, Stop: 741, Start Num: 152
Candidate Starts for Todacoro_1:
(Start: 152 @445 has 485 MA's), (194, 580),

Gene: Toma_2 Start: 723, Stop: 1034, Start Num: 149
Candidate Starts for Toma_2:
(Start: 67 @588 has 2 MA's), (Start: 149 @723 has 147 MA's), (171, 795), (182, 825), (192, 852), (203, 915),

Gene: Tomathan_4 Start: 2345, Stop: 2641, Start Num: 152
Candidate Starts for Tomathan_4:
(Start: 152 @2345 has 485 MA's),

Gene: Toniann_14 Start: 3268, Stop: 3576, Start Num: 152
Candidate Starts for Toniann_14:
(127, 3238), (Start: 152 @3268 has 485 MA's), (203, 3460), (212, 3532),

Gene: Topanga_1 Start: 517, Stop: 813, Start Num: 139

Candidate Starts for Topanga_1:

(Start: 139 @517 has 40 MA's),

Gene: Topgun_1 Start: 598, Stop: 894, Start Num: 152

Candidate Starts for Topgun_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Toro_1 Start: 396, Stop: 692, Start Num: 142

Candidate Starts for Toro_1:

(95, 300), (Start: 142 @396 has 3 MA's), (210, 642),

Gene: Tote_2 Start: 834, Stop: 1130, Start Num: 152

Candidate Starts for Tote_2:

(Start: 124 @786 has 1 MA's), (Start: 152 @834 has 485 MA's), (192, 957), (207, 1047), (214, 1083),

Gene: TouchMeNot_54 Start: 40155, Stop: 40460, Start Num: 155

Candidate Starts for TouchMeNot_54:

(Start: 155 @40155 has 3 MA's), (176, 40230), (183, 40251), (199, 40332),

Gene: Traft412_3 Start: 1245, Stop: 1541, Start Num: 152

Candidate Starts for Traft412_3:

(Start: 152 @1245 has 485 MA's), (192, 1368), (207, 1458), (214, 1494),

Gene: Travvers_4 Start: 2345, Stop: 2641, Start Num: 152

Candidate Starts for Travvers_4:

(Start: 152 @2345 has 485 MA's),

Gene: Treddle_2 Start: 750, Stop: 1046, Start Num: 152

Candidate Starts for Treddle_2:

(Start: 152 @750 has 485 MA's), (192, 873), (207, 963), (214, 999),

Gene: Tripl3t_1 Start: 598, Stop: 894, Start Num: 152

Candidate Starts for Tripl3t_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Triste_2 Start: 730, Stop: 1041, Start Num: 149

Candidate Starts for Triste_2:

(Start: 67 @589 has 2 MA's), (82, 628), (Start: 149 @730 has 147 MA's), (171, 802), (196, 883),

Gene: Triumph_3 Start: 679, Stop: 993, Start Num: 150

Candidate Starts for Triumph_3:

(Start: 150 @679 has 51 MA's), (194, 823),

Gene: Trixie_4 Start: 2424, Stop: 2720, Start Num: 152

Candidate Starts for Trixie_4:

(Start: 152 @2424 has 485 MA's),

Gene: Trooper_5 Start: 2370, Stop: 2666, Start Num: 152

Candidate Starts for Trooper_5:

(Start: 152 @2370 has 485 MA's),

Gene: Trouble_1 Start: 534, Stop: 893, Start Num: 118

Candidate Starts for Trouble_1:

(Start: 118 @534 has 4 MA's), (Start: 134 @570 has 33 MA's), (140, 579), (Start: 152 @597 has 485 MA's), (192, 720), (207, 810), (214, 846),

Gene: Trumpet_79 Start: 49951, Stop: 50286, Start Num: 116

Candidate Starts for Trumpet_79:

(25, 49678), (Start: 116 @49951 has 27 MA's),

Gene: TrvxScott_2 Start: 639, Stop: 953, Start Num: 150

Candidate Starts for TrvxScott_2:

(Start: 150 @639 has 51 MA's), (194, 783),

Gene: TuanPN_2 Start: 730, Stop: 1041, Start Num: 149

Candidate Starts for TuanPN_2:

(Start: 67 @589 has 2 MA's), (82, 628), (Start: 149 @730 has 147 MA's), (171, 802), (182, 832), (192, 859), (203, 922),

Gene: Tubs_4 Start: 2335, Stop: 2628, Start Num: 149

Candidate Starts for Tubs_4:

(Start: 128 @2308 has 3 MA's), (Start: 149 @2335 has 147 MA's), (185, 2437), (192, 2455),

Gene: Tuck_69 Start: 43623, Stop: 43925, Start Num: 149

Candidate Starts for Tuck_69:

(Start: 149 @43623 has 147 MA's), (170, 43689), (190, 43740), (203, 43815), (216, 43914),

Gene: Tucker_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Tucker_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Turab_68 Start: 42750, Stop: 43052, Start Num: 149

Candidate Starts for Turab_68:

(Start: 149 @42750 has 147 MA's), (165, 42801), (170, 42816), (190, 42867), (203, 42942), (216, 43041),

Gene: Turbido_5 Start: 2551, Stop: 2847, Start Num: 152

Candidate Starts for Turbido_5:

(Start: 152 @2551 has 485 MA's), (192, 2674),

Gene: Turj99_1 Start: 598, Stop: 894, Start Num: 152

Candidate Starts for Turj99_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Tutumahutu_71 Start: 43324, Stop: 43626, Start Num: 149

Candidate Starts for Tutumahutu_71:

(Start: 149 @43324 has 147 MA's), (165, 43375), (170, 43390), (190, 43441), (203, 43516), (216, 43615),

Gene: Tweety19_69 Start: 40496, Stop: 40801, Start Num: 149

Candidate Starts for Tweety19_69:

(Start: 149 @40496 has 147 MA's), (167, 40556), (170, 40562), (190, 40613), (216, 40787),

Gene: Twister_1 Start: 463, Stop: 759, Start Num: 139

Candidate Starts for Twister_1:

(Start: 139 @463 has 40 MA's),

Gene: TwoPeat_2 Start: 834, Stop: 1130, Start Num: 152

Candidate Starts for TwoPeat_2:

(Start: 124 @786 has 1 MA's), (Start: 152 @834 has 485 MA's), (192, 957), (207, 1047), (214, 1083),

Gene: U2_2 Start: 749, Stop: 1045, Start Num: 152

Candidate Starts for U2_2:

(Start: 152 @749 has 485 MA's), (192, 872), (207, 962), (214, 998),

Gene: UnionJack_87 Start: 500, Stop: 799, Start Num: 139

Candidate Starts for UnionJack_87:

(Start: 139 @500 has 40 MA's), (Start: 157 @515 has 1 MA's), (185, 608), (200, 680), (210, 749), (218, 794),

Gene: Unstoppable_2 Start: 740, Stop: 1054, Start Num: 149

Candidate Starts for Unstoppable_2:

(69, 629), (91, 656), (Start: 149 @740 has 147 MA's), (196, 896),

Gene: Updawg_5 Start: 2624, Stop: 2920, Start Num: 152

Candidate Starts for Updawg_5:

(63, 2423), (Start: 152 @2624 has 485 MA's),

Gene: Urza_2 Start: 744, Stop: 1058, Start Num: 150

Candidate Starts for Urza_2:

(Start: 150 @744 has 51 MA's), (194, 888),

Gene: UtzChips_77 Start: 46396, Stop: 46695, Start Num: 149

Candidate Starts for UtzChips_77:

(122, 46351), (Start: 149 @46396 has 147 MA's), (186, 46504), (190, 46513),

Gene: VA6_4 Start: 2464, Stop: 2760, Start Num: 152

Candidate Starts for VA6_4:

(Start: 152 @2464 has 485 MA's), (192, 2587),

Gene: VC3_4 Start: 2344, Stop: 2640, Start Num: 152

Candidate Starts for VC3_4:

(Start: 152 @2344 has 485 MA's),

Gene: VResidence_72 Start: 41784, Stop: 42086, Start Num: 149

Candidate Starts for VResidence_72:

(53, 41574), (Start: 149 @41784 has 147 MA's), (170, 41850), (190, 41901), (216, 42075),

Gene: VWB_70 Start: 47259, Stop: 47567, Start Num: 146

Candidate Starts for VWB_70:

(20, 46878), (146, 47259), (206, 47478),

Gene: Vanisoa_4 Start: 2102, Stop: 2395, Start Num: 149

Candidate Starts for Vanisoa_4:

(Start: 149 @2102 has 147 MA's), (170, 2168), (185, 2204), (192, 2222),

Gene: VasuNzinga_90 Start: 48574, Stop: 48900, Start Num: 152

Candidate Starts for VasuNzinga_90:

(135, 48547), (Start: 152 @48574 has 485 MA's), (Start: 163 @48616 has 7 MA's), (175, 48661), (193, 48721), (201, 48781), (209, 48841),

Gene: Verabelle_3 Start: 950, Stop: 1264, Start Num: 150

Candidate Starts for Verabelle_3:

(Start: 142 @944 has 3 MA's), (Start: 150 @950 has 51 MA's), (170, 1019), (194, 1094),

Gene: Verse_2 Start: 955, Stop: 1269, Start Num: 150

Candidate Starts for Verse_2:

(51, 751), (52, 754), (98, 856), (Start: 142 @949 has 3 MA's), (Start: 150 @955 has 51 MA's), (170, 1024), (194, 1099), (199, 1132),

Gene: VieEnRose_2 Start: 744, Stop: 1058, Start Num: 150

Candidate Starts for VieEnRose_2:

(Start: 150 @744 has 51 MA's), (194, 888),

Gene: Violet_2 Start: 748, Stop: 1044, Start Num: 152

Candidate Starts for Violet_2:

(Start: 152 @748 has 485 MA's), (192, 871), (207, 961), (214, 997),

Gene: Vix_1 Start: 526, Stop: 819, Start Num: 152

Candidate Starts for Vix_1:

(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: VohminGhazi_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for VohminGhazi_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: VroomVroom_67 Start: 42799, Stop: 43164, Start Num: 142

Candidate Starts for VroomVroom_67:

(77, 42664), (84, 42673), (Start: 142 @42799 has 3 MA's), (167, 42868), (170, 42874), (214, 43069), (216, 43099), (221, 43111),

Gene: Waits_4 Start: 2278, Stop: 2574, Start Num: 152

Candidate Starts for Waits_4:

(Start: 152 @2278 has 485 MA's), (178, 2368),

Gene: WalterMcMickey_1 Start: 463, Stop: 759, Start Num: 139

Candidate Starts for WalterMcMickey_1:

(Start: 139 @463 has 40 MA's),

Gene: Warda_70 Start: 43423, Stop: 43725, Start Num: 149

Candidate Starts for Warda_70:

(Start: 149 @43423 has 147 MA's), (165, 43474), (170, 43489), (190, 43540), (203, 43615), (216, 43714),

Gene: Watermelon_2 Start: 736, Stop: 1044, Start Num: 152

Candidate Starts for Watermelon_2:

(Start: 152 @736 has 485 MA's), (192, 859), (207, 949), (214, 985),

Gene: Watson_1 Start: 526, Stop: 819, Start Num: 152
Candidate Starts for Watson_1:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: WeiHuaDA_5 Start: 2558, Stop: 2854, Start Num: 152
Candidate Starts for WeiHuaDA_5:
(Start: 152 @2558 has 485 MA's), (192, 2681),

Gene: WelcomeAyanna_83 Start: 53214, Stop: 53561, Start Num: 116
Candidate Starts for WelcomeAyanna_83:
(25, 52941), (Start: 116 @53214 has 27 MA's),

Gene: Werner_2 Start: 730, Stop: 1041, Start Num: 149
Candidate Starts for Werner_2:
(Start: 67 @589 has 2 MA's), (82, 628), (Start: 149 @730 has 147 MA's), (171, 802), (196, 883),

Gene: Whabigail7_5 Start: 2548, Stop: 2844, Start Num: 152
Candidate Starts for Whabigail7_5:
(Start: 152 @2548 has 485 MA's), (192, 2671),

Gene: Whatever_2 Start: 589, Stop: 1041, Start Num: 67
Candidate Starts for Whatever_2:
(Start: 67 @589 has 2 MA's), (82, 628), (Start: 149 @730 has 147 MA's), (171, 802), (196, 883),

Gene: Wheeler_2 Start: 833, Stop: 1129, Start Num: 152
Candidate Starts for Wheeler_2:
(Start: 124 @785 has 1 MA's), (Start: 152 @833 has 485 MA's), (192, 956), (207, 1046), (214, 1082),

Gene: Whitty_58 Start: 40896, Stop: 41195, Start Num: 163
Candidate Starts for Whitty_58:
(Start: 163 @40896 has 7 MA's), (196, 41019),

Gene: WideWale_5 Start: 2624, Stop: 2920, Start Num: 152
Candidate Starts for WideWale_5:
(63, 2423), (Start: 152 @2624 has 485 MA's),

Gene: Wiks_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for Wiks_4:
(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Wildwest_65 Start: 43282, Stop: 43584, Start Num: 149
Candidate Starts for Wildwest_65:
(Start: 149 @43282 has 147 MA's), (167, 43342), (190, 43399), (203, 43474), (216, 43573),

Gene: Wilkins_1 Start: 598, Stop: 894, Start Num: 152
Candidate Starts for Wilkins_1:
(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: WilliamBoone_12 Start: 2893, Stop: 3201, Start Num: 152
Candidate Starts for WilliamBoone_12:
(127, 2863), (Start: 152 @2893 has 485 MA's), (212, 3157),

Gene: Wooldri_3 Start: 517, Stop: 819, Start Num: 134
Candidate Starts for Wooldri_3:
(Start: 134 @517 has 33 MA's), (Start: 152 @526 has 485 MA's), (170, 592),

Gene: Wrigley_81 Start: 51527, Stop: 51817, Start Num: 160
Candidate Starts for Wrigley_81:
(Start: 130 @51470 has 1 MA's), (Start: 134 @51476 has 33 MA's), (Start: 160 @51527 has 19 MA's),

Gene: WunderPhul_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for WunderPhul_4:
(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: XianYue_4 Start: 2391, Stop: 2687, Start Num: 152
Candidate Starts for XianYue_4:
(Start: 152 @2391 has 485 MA's), (191, 2508),

Gene: Yang_68 Start: 42836, Stop: 43144, Start Num: 149
Candidate Starts for Yang_68:
(Start: 149 @42836 has 147 MA's), (170, 42902), (203, 43028), (216, 43127),

Gene: Yasdnil_2 Start: 729, Stop: 1040, Start Num: 149
Candidate Starts for Yasdnil_2:
(82, 627), (Start: 149 @729 has 147 MA's), (171, 801), (182, 831), (192, 858), (203, 921),

Gene: Yecey3_4 Start: 2101, Stop: 2394, Start Num: 152
Candidate Starts for Yecey3_4:
(Start: 152 @2101 has 485 MA's),

Gene: YesChef_69 Start: 43140, Stop: 43442, Start Num: 149
Candidate Starts for YesChef_69:
(Start: 149 @43140 has 147 MA's), (165, 43191), (170, 43206), (190, 43257), (203, 43332), (216, 43431),

Gene: Yokurt_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for Yokurt_4:
(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Yosif_3 Start: 954, Stop: 1265, Start Num: 150
Candidate Starts for Yosif_3:
(68, 816), (Start: 111 @888 has 1 MA's), (120, 906), (Start: 150 @954 has 51 MA's), (199, 1128),

Gene: Yvonnetastic_14 Start: 3602, Stop: 3910, Start Num: 152
Candidate Starts for Yvonnetastic_14:
(Start: 152 @3602 has 485 MA's), (199, 3776), (203, 3794), (206, 3815), (216, 3902),

Gene: Zainub_3 Start: 1037, Stop: 1351, Start Num: 150
Candidate Starts for Zainub_3:
(82, 911), (Start: 107 @965 has 1 MA's), (Start: 141 @1031 has 1 MA's), (Start: 150 @1037 has 51 MA's), (170, 1106), (194, 1181),

Gene: Zaka_4 Start: 2143, Stop: 2439, Start Num: 152
Candidate Starts for Zaka_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: Zameen_79 Start: 49950, Stop: 50285, Start Num: 116

Candidate Starts for Zameen_79:

(25, 49677), (Start: 116 @49950 has 27 MA's),

Gene: Zeeculate_1 Start: 596, Stop: 892, Start Num: 152

Candidate Starts for Zeeculate_1:

(Start: 118 @533 has 4 MA's), (Start: 134 @569 has 33 MA's), (140, 578), (Start: 152 @596 has 485 MA's), (192, 719), (207, 809), (214, 845),

Gene: Zemlya_2 Start: 703, Stop: 1014, Start Num: 149

Candidate Starts for Zemlya_2:

(1, 34), (2, 40), (3, 43), (4, 70), (7, 142), (31, 406), (40, 463), (45, 487), (49, 496), (Start: 114 @652 has 1 MA's), (Start: 130 @682 has 1 MA's), (Start: 149 @703 has 147 MA's), (180, 799), (182, 805), (192, 832),

Gene: ZenTime222_65 Start: 41847, Stop: 42146, Start Num: 163

Candidate Starts for ZenTime222_65:

(Start: 163 @41847 has 7 MA's), (196, 41970),

Gene: Zephyr_1 Start: 598, Stop: 894, Start Num: 152

Candidate Starts for Zephyr_1:

(Start: 118 @535 has 4 MA's), (Start: 134 @571 has 33 MA's), (140, 580), (Start: 152 @598 has 485 MA's), (192, 721), (207, 811), (214, 847),

Gene: Zeta1847_76 Start: 47529, Stop: 47834, Start Num: 149

Candidate Starts for Zeta1847_76:

(72, 47376), (Start: 74 @47379 has 1 MA's), (76, 47382), (Start: 149 @47529 has 147 MA's), (219, 47829),

Gene: Zetzy_1 Start: 518, Stop: 820, Start Num: 134

Candidate Starts for Zetzy_1:

(Start: 134 @518 has 33 MA's), (Start: 152 @527 has 485 MA's), (170, 593),

Gene: Zeuska_1 Start: 599, Stop: 895, Start Num: 152

Candidate Starts for Zeuska_1:

(Start: 118 @536 has 4 MA's), (Start: 134 @572 has 33 MA's), (140, 581), (Start: 150 @596 has 51 MA's), (Start: 152 @599 has 485 MA's), (192, 722), (207, 812), (214, 848),

Gene: Zimmer_4 Start: 2256, Stop: 2552, Start Num: 150

Candidate Starts for Zimmer_4:

(42, 1998), (59, 2043), (71, 2094), (Start: 150 @2256 has 51 MA's),

Gene: Zirinka_79 Start: 51694, Stop: 52026, Start Num: 116

Candidate Starts for Zirinka_79:

(25, 51421), (Start: 116 @51694 has 27 MA's),

Gene: Zulu_4 Start: 2143, Stop: 2439, Start Num: 152

Candidate Starts for Zulu_4:

(Start: 152 @2143 has 485 MA's), (194, 2278),

Gene: phiHau3_1 Start: 591, Stop: 905, Start Num: 150

Candidate Starts for phiHau3_1:

(Start: 150 @591 has 51 MA's), (189, 708), (194, 735), (208, 837), (217, 900),