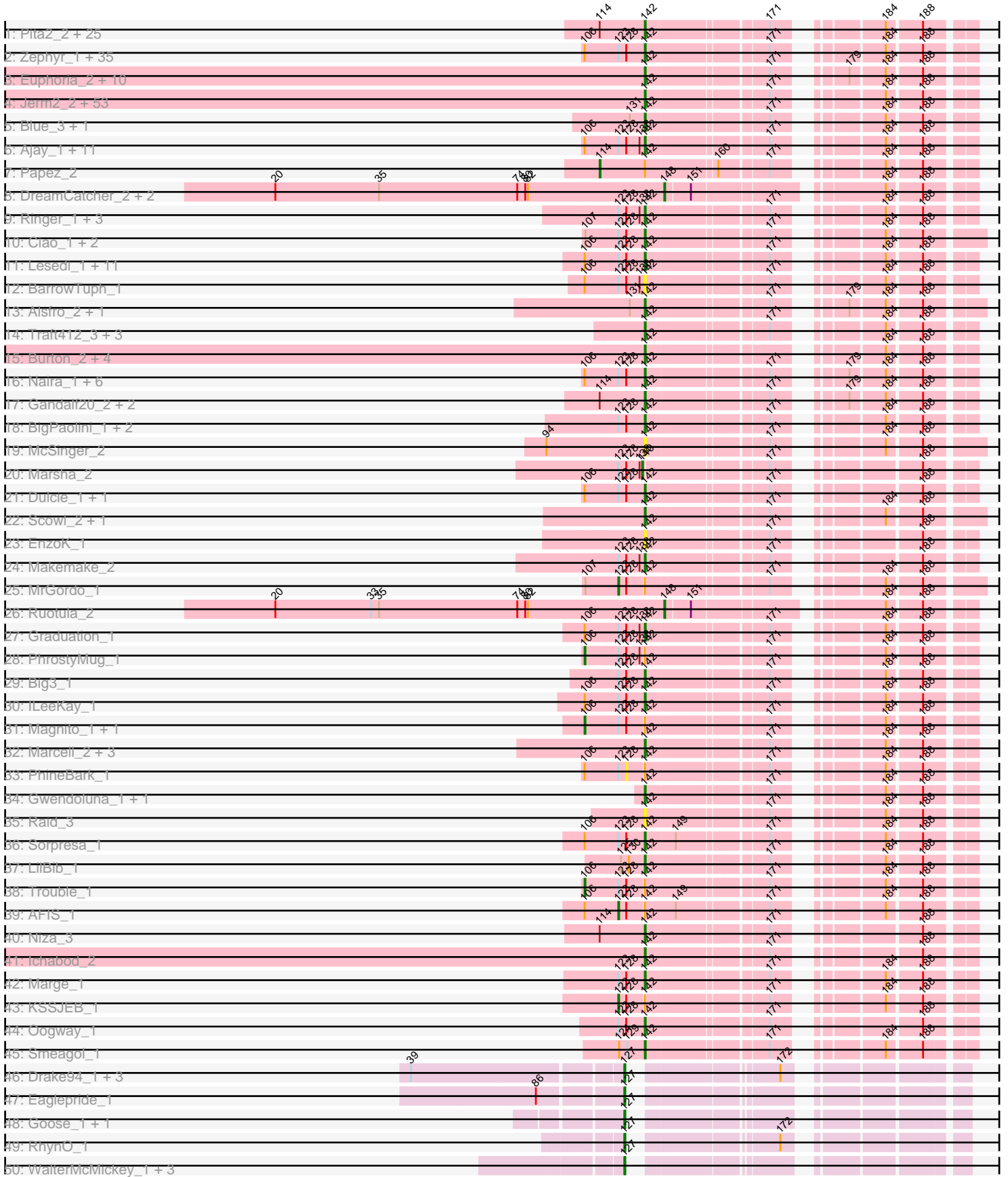
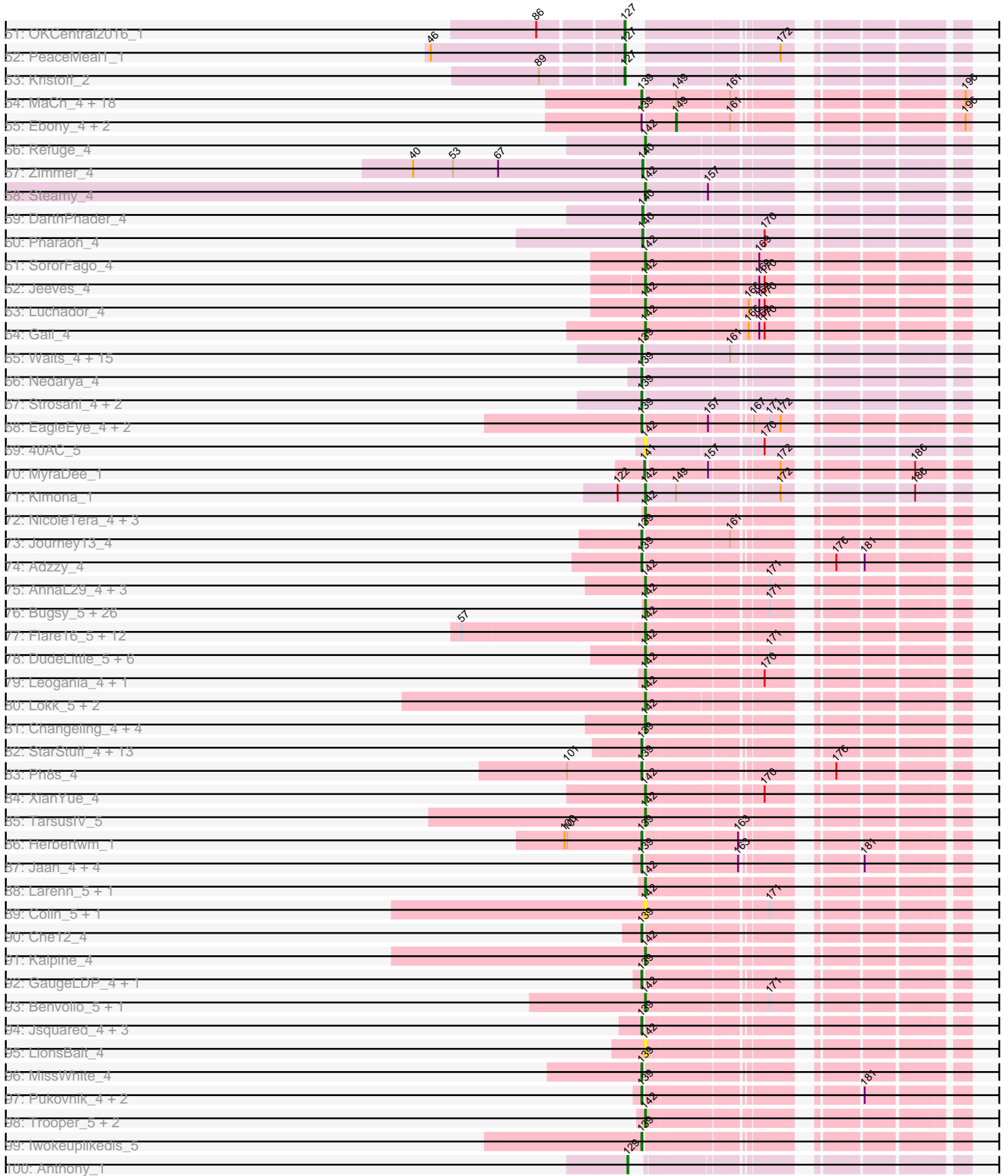


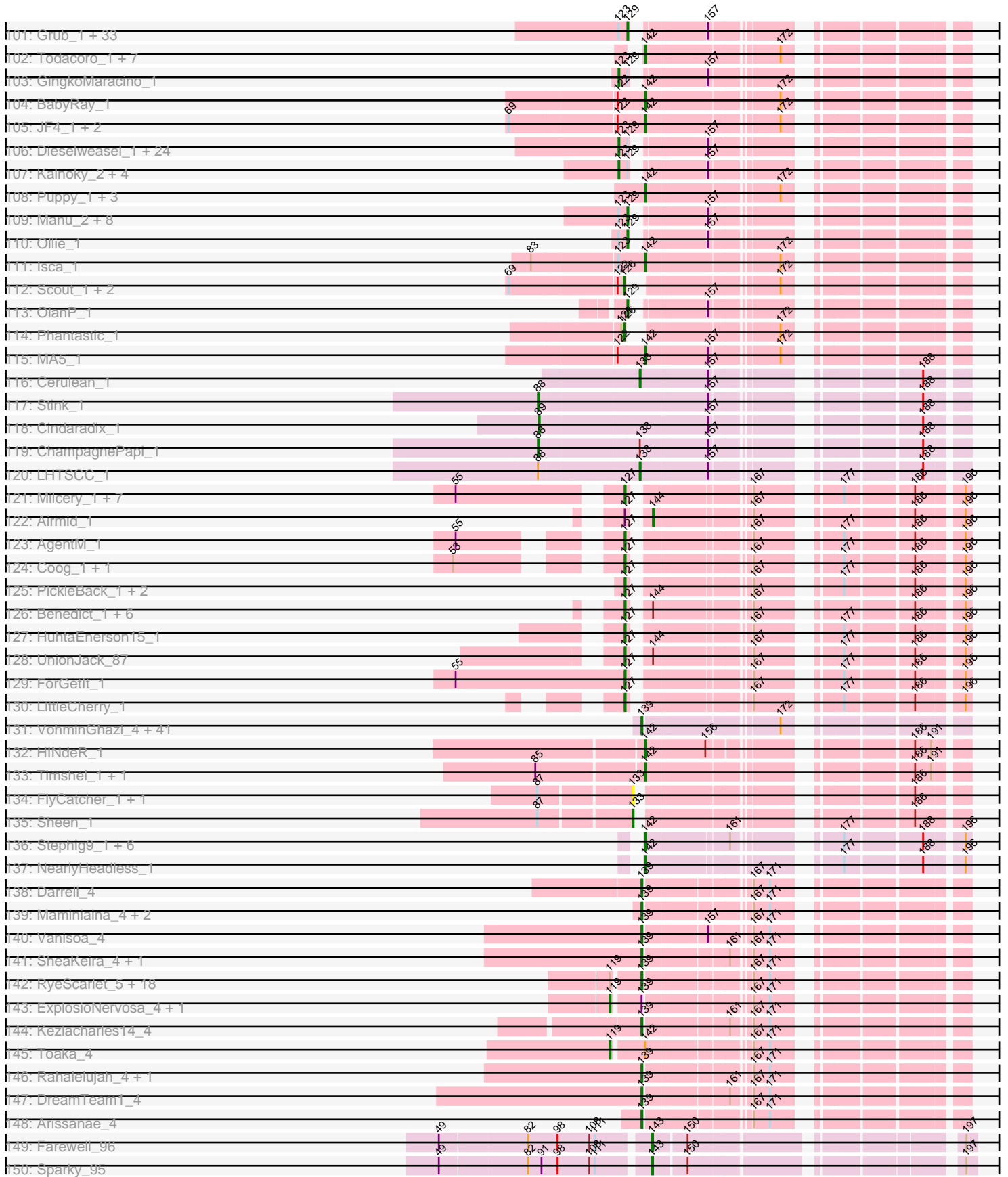
Pham 215650



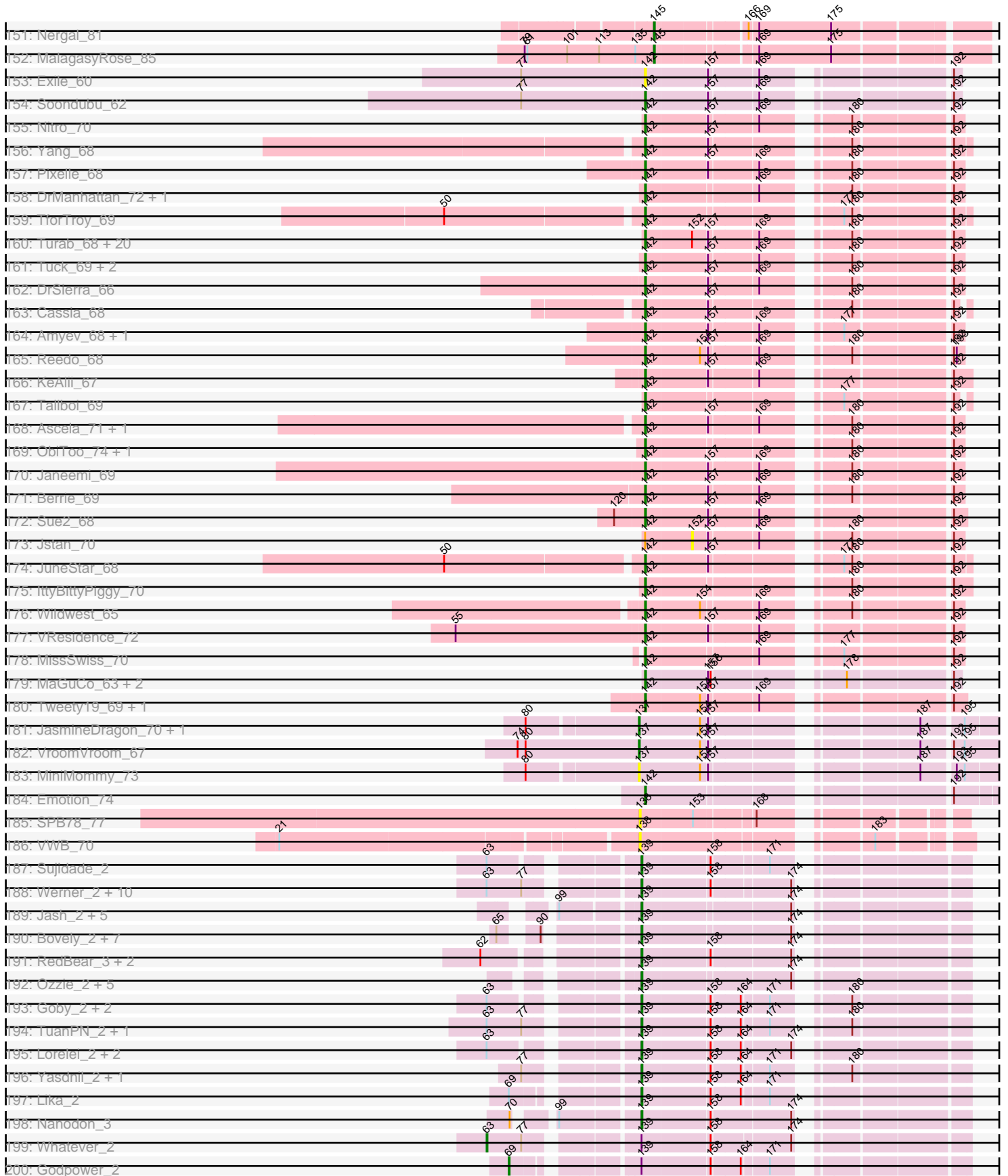
Pham 215650



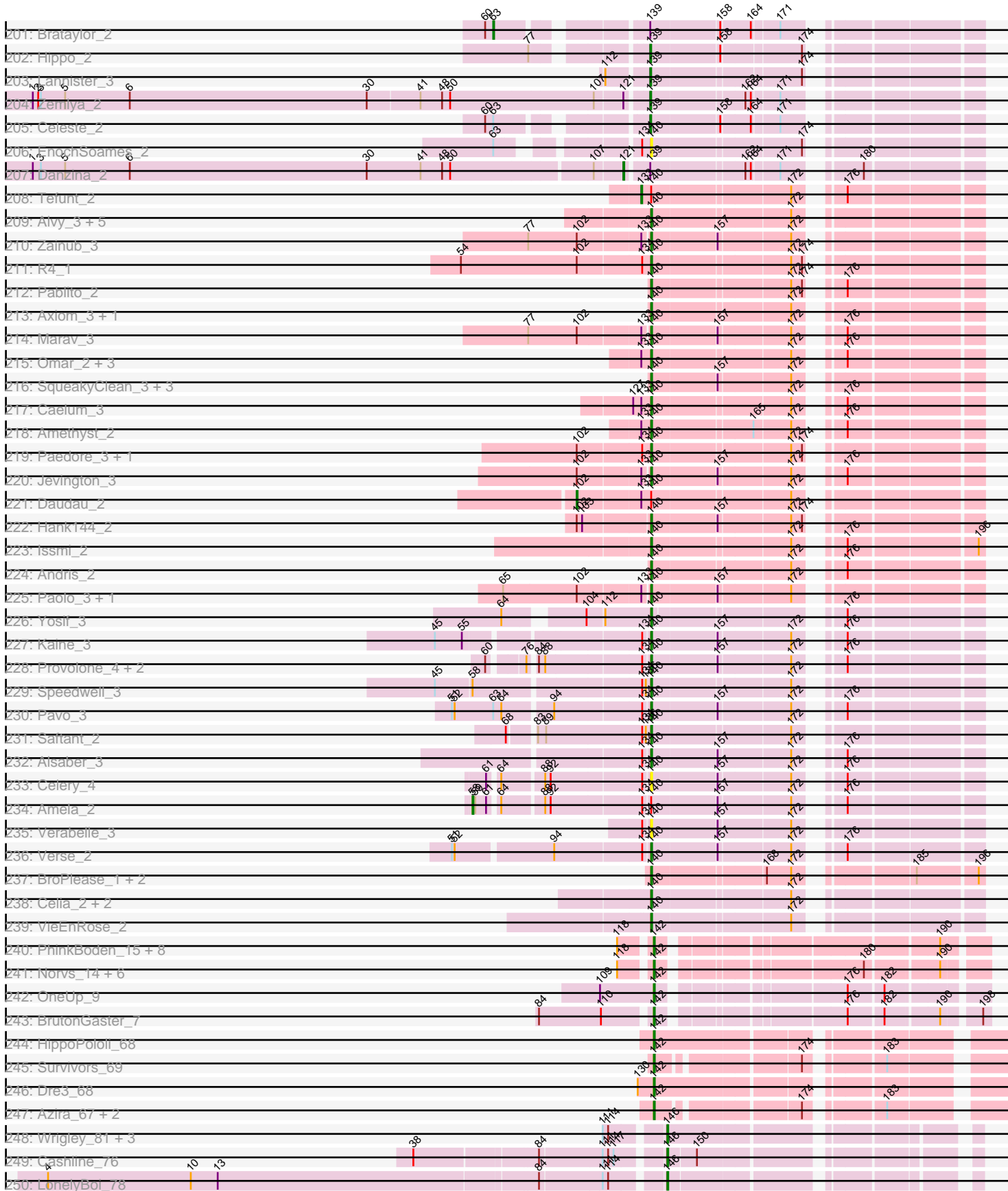
Pham 215650



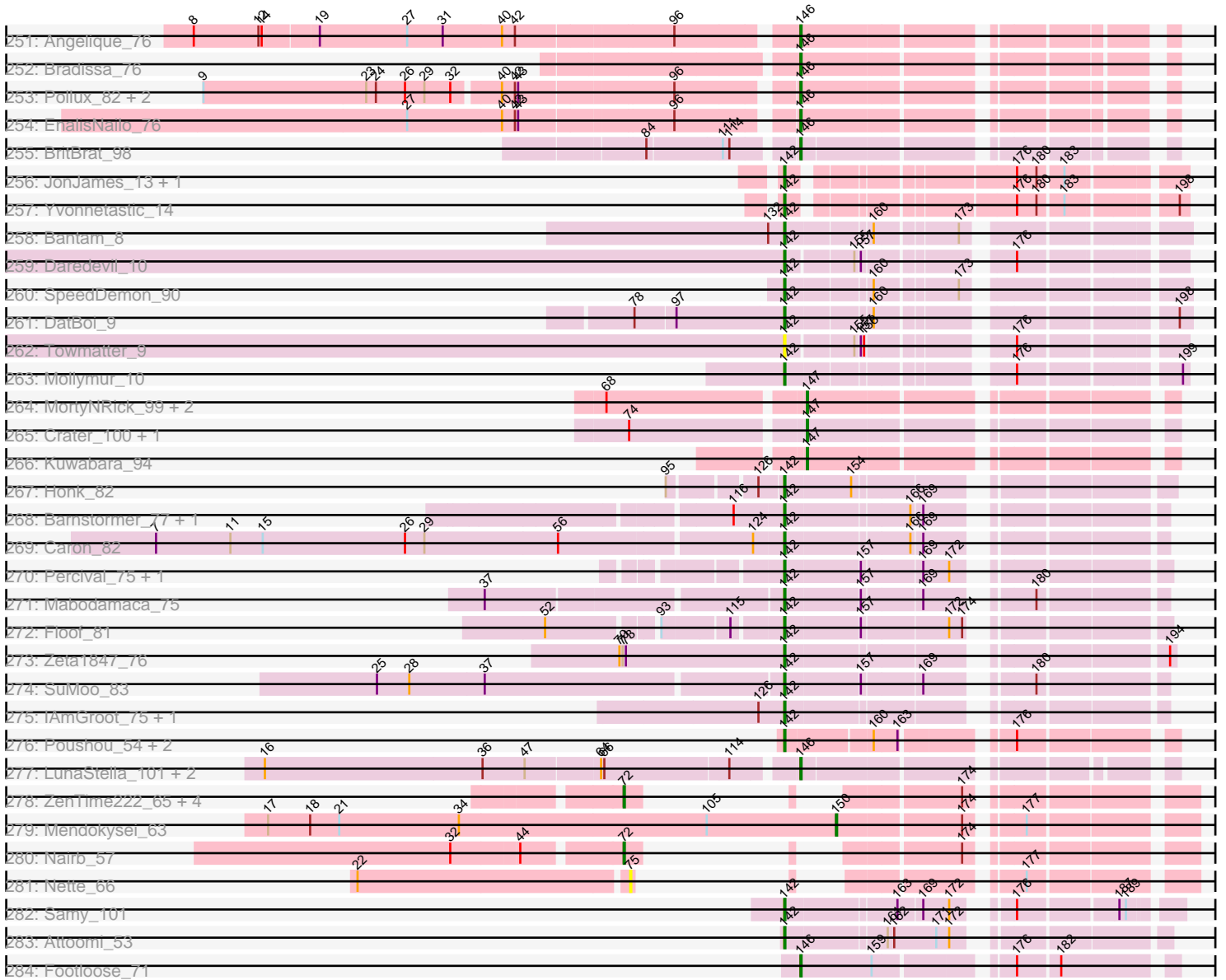
Pham 215650



Pham 215650



Pham 215650



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 215650 Report

This analysis was run 02/22/25 on database version 588.

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 215650 has 885 members, 55 are drafts.

Phages represented in each track:

- Track 1 : Pita2_2, ConceptII_2, PSullivan_2, Bircsak_2, PherrisBueller_2, STLscum_2, PacerPaul_2, Rohr_2, Altman_3, Pepe_2, SkiPole_2, Gompeii16_2, Lopton_2, BPBiebs31_2, Kanely_3, Tote_2, TwoPeat_2, KBG_2, Target_2, Swole_2, Jasper_2, Francis47_2, Dreamboat_2, Homines_2, Wheeler_2, JuliaChild_2
- Track 2 : Zephyr_1, Paphu_1, Hami1_1, Fascinus_1, Bigchungu_1, Rutherford_1, Bones_1, ShortQueendom_1, Mkhuse1_1, Topgun_1, Michley_1, Maroc7_1, Ashballer_1, Snazzy_1, Parliament_1, Zeeculate_1, DrFeelGood_1, StewieG_1, Marco3_1, Adahisdi_1, Crispicous1_1, Phlippers_1, Seanderson_1, Cueylyss_1, Solon_1, Teodoridan_1, Ohno789_1, Sunshine924_1, Bigfoot_1, CactusRose_1, Wilkins_1, Applejack_1, Killigrew_1, SpikeBT_1, Trip13t_1, Squee_1
- Track 3 : Euphoria_2, Alvin_3, Seabiscuit_2, Abbysshoes_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 : Blue_3, Tasp14_2
- Track 6 : Ajay_1, Inyanga_1, Iqorha_1, Beatrix_1, Bexan_1, StrongArm_1, Smairt_1, Mule_1, Aeneas_1, Zeuska_1, Perseus_1, Hope4ever_1
- Track 7 : Papez_2
- Track 8 : DreamCatcher_2, Sanya_1, Abrogate_20
- Track 9 : Ringer_1, IgnatiusPatJac_1, BluSpix_1, JackSparrow_1
- Track 10 : Ciao_1, Nerujay_1, Kugel_1
- Track 11 : Lesedi_1, Atkinbua_1, KyMonks1A_1, Turj99_1, Kykar_1, Magnar_1, Eyeball_1, LunarLander_1, Bxb1_1, Mryolo_1, Paraselene_1, QTRlifeCrisis_1
- Track 12 : BarrowTuph_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 : McSinger_2
- Track 20 : Marsha_2
- Track 21 : Dulcie_1, ProMouse_1
- Track 22 : Scowl_2, GageAP_2
- Track 23 : EnzoK_1
- Track 24 : Makemake_2
- Track 25 : MrGordo_1
- Track 26 : Ruotula_2
- Track 27 : Graduation_1
- Track 28 : PhrostyMug_1
- Track 29 : Big3_1
- Track 30 : ILeeKay_1
- Track 31 : Magnito_1, Pinto_1
- Track 32 : Marcell_2, Petruccio_2, FrogHopper_2, Gyzlar_2
- Track 33 : PhineBark_1
- Track 34 : Gwendoluna_1, Sumter_1
- Track 35 : Raid_3
- Track 36 : Sorpresa_1
- Track 37 : LilBib_1
- Track 38 : Trouble_1
- Track 39 : AFIS_1
- Track 40 : Niza_3
- Track 41 : Ichabod_2
- Track 42 : Marge_1
- Track 43 : KSSJEB_1
- Track 44 : Oogway_1
- Track 45 : Smeagol_1
- Track 46 : Drake94_1, Severus_1, Poompha_1, KittenMittens_1
- Track 47 : Eaglepride_1
- Track 48 : Goose_1, Chupacabra_1
- Track 49 : RhynO_1
- Track 50 : WalterMcMickey_1, Twister_1, Edison31_1, Topanga_1
- Track 51 : OKCentral2016_1
- Track 52 : PeaceMeal1_1
- Track 53 : Kristoff_2
- Track 54 : 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 55 : Ebony_4, Orange_4, Bachome_4
- Track 56 : Refuge_4
- Track 57 : Zimmer_4
- Track 58 : Steamy_4
- Track 59 : DARTHPhader_4
- Track 60 : Pharaoh_4
- Track 61 : SororFago_4
- Track 62 : Jeeves_4
- Track 63 : Luchador_4
- Track 64 : Gail_4

- Track 65 : Waits_4, Switzerland_4, Epsocamisio_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 66 : Nedarya_4
- Track 67 : Strosahl_4, Remus_4, Soups_4
- Track 68 : EagleEye_4, Lucyedi_4, PainterBoy_4
- Track 69 : 40AC_5
- Track 70 : MyraDee_1
- Track 71 : Kimona_1
- Track 72 : NicoleTera_4, Chargerpower_5, EZMoney23_4, Trixie_4
- Track 73 : Journey13_4
- Track 74 : Adzzy_4
- Track 75 : AnnaL29_4, CRB1_4, Loser_4, RedRock_4
- Track 76 : 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 77 : Flare16_5, Sknot_6, WideWale_5, MiculUcigas_5, HarryHoudini_5, Equemioh13_5, Piro94_4, Drake55_5, Centaur_5, Terrific_6, NaSiaTalie_5, Baehexic_5, Updawg_5
- Track 78 : DudeLittle_5, Anselm_5, Heffalump_5, Dalmatian_5, QueenB2_5, Fameo_5, Retro23_5
- Track 79 : Leogania_4, BiancaTri92_4
- Track 80 : Lokk_5, Rachaly_5, BobSwaget_5
- Track 81 : Changeling_4, 20ES_4, ArcherNM_4, First_004, Miko_5
- Track 82 : 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 83 : Ph8s_4
- Track 84 : XianYue_4
- Track 85 : TarsusIV_5
- Track 86 : Herbertwm_1
- Track 87 : Jaan_4, IronMan_4, Landor_4, Phaded_4, Bactobuster_4
- Track 88 : Larenn_5, Malec_5
- Track 89 : Colin_5, WeiHuaDA_5
- Track 90 : Che12_4
- Track 91 : Kalpine_4
- Track 92 : GaugeLDP_4, BabyBack_4
- Track 93 : Benvolio_5, Echild_5
- Track 94 : Jsquared_4, TipsytheTRex_4, Serenity_4, L5_4
- Track 95 : LionsBait_4
- Track 96 : MissWhite_4
- Track 97 : Pukovnik_4, Odin_3, Superchunk_4
- Track 98 : Trooper_5, Acolyte_4, Yecey3_4
- Track 99 : Iwokeuplikedis_5
- Track 100 : Anthony_1
- Track 101 : Grub_1, Grif_1, 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, KADY_2, AugsMagnumOpus_3, Methuselah_1, Anubis_3, Farber_1, Hercules11_1

- Track 102 : Todacoro_1, Pocahontas_1, ResDef_1, Caviar_1, Hookmount_1, Noella_1, Lambert1_1, Margo_1
- Track 103 : GingkoMaracino_1
- Track 104 : BabyRay_1
- Track 105 : JF4_1, MK4_1, JF2_1
- Track 106 : 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 107 : Kalnok_2, Pawn_1, Gemma_1, PurpleHaze_1, Heliosoles_1
- Track 108 : Puppy_1, TNguyen7_1, Pistachio_1, BlueBird_1
- Track 109 : Manu_2, Kalb97_2, JeppNRM_2, Groupthink_2, Reba_2, HaveUMetTed_2, Marius_2, Phranny_2, PhishRPhriends_1
- Track 110 : Ollie_1
- Track 111 : Isca_1
- Track 112 : Scout_1, Fred313_1, Kachowdy_1
- Track 113 : OlanP_1
- Track 114 : Phantastic_1
- Track 115 : MA5_1
- Track 116 : Cerulean_1
- Track 117 : Stink_1
- Track 118 : Cindaradix_1
- Track 119 : ChampagnePapi_1
- Track 120 : LHTSCC_1
- Track 121 : Milcery_1, Aragog_1, Cuco_1, Discoknowium_1, Lev2_1, Tiger_1, Phlorence_1, Archetta_1
- Track 122 : Airmid_1
- Track 123 : AgentM_1
- Track 124 : Coog_1, Midas2_1
- Track 125 : PickleBack_1, Jovo_1, Conspiracy_1
- Track 126 : Benedict_1, ElTiger69_1, PetterN_1, Jabiru_1, Chadwick_1, Scorpia_1, Naca_1
- Track 127 : HuhtaEnerson15_1
- Track 128 : UnionJack_87
- Track 129 : ForGetIt_1
- Track 130 : LittleCherry_1
- Track 131 : 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 132 : HINdeR_1
- Track 133 : Timshel_1, DroogsArmy_1
- Track 134 : FlyCatcher_1, Toro_1
- Track 135 : Sheen_1
- Track 136 : Stephig9_1, Dixon_1, Phillis_1, Smeadley_1, Saintus_1, Astro_1, Roary_1
- Track 137 : NearlyHeadless_1
- Track 138 : Darrell_4
- Track 139 : Maminiaina_4, LoneWolf_4, Elephantoon_4
- Track 140 : Vanisoa_4

- Track 141 : SheaKeira_4, Charm_4
- Track 142 : 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 143 : ExplosioNervosa_4, Qobbit_4
- Track 144 : Keziacharles14_4
- Track 145 : Toaka_4
- Track 146 : Rahalelujah_4, BogosyJay_4
- Track 147 : DreamTeam1_4
- Track 148 : Arissanae_4
- Track 149 : Farewell_96
- Track 150 : Sparky_95
- Track 151 : Nergal_81
- Track 152 : MalagasyRose_85
- Track 153 : Exile_60
- Track 154 : Soondubu_62
- Track 155 : Nitro_70
- Track 156 : Yang_68
- Track 157 : Pixelle_68
- Track 158 : DrManhattan_72, Adolin_71
- Track 159 : TforTroy_69
- Track 160 : 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, Subaru_69, Lego_69, Joemato_71, Kaylissa_71, London_69, Warda_70, Tutumahutu_71
- Track 161 : Tuck_69, Community_70, Phives_70
- Track 162 : DrSierra_66
- Track 163 : Cassia_68
- Track 164 : Amyev_68, Tian_67
- Track 165 : Reedo_68
- Track 166 : KeAlii_67
- Track 167 : Tallboi_69
- Track 168 : Ascela_71, Iter_70
- Track 169 : ObiToo_74, Crewmate_74
- Track 170 : Janeemi_69
- Track 171 : Berrie_69
- Track 172 : Sue2_68
- Track 173 : Jstan_70
- Track 174 : JuneStar_68
- Track 175 : IttyBittyPiggy_70
- Track 176 : Wildwest_65
- Track 177 : VResidence_72
- Track 178 : MissSwiss_70
- Track 179 : MaGuCo_63, Maureen_69, Liebe_69
- Track 180 : Tweety19_69, Snek_68
- Track 181 : JasmineDragon_70, ShakeltOph_72
- Track 182 : VroomVroom_67
- Track 183 : MiniMommy_73
- Track 184 : Emotion_74
- Track 185 : SPB78_77
- Track 186 : VWB_70
- Track 187 : Sujidade_2

- Track 188 : Werner_2, TagePhighter_3, BarryBee_3, Triste_2, SarahRose_2, Asten_2, Chucky_2, OzzyJ_3, Emaanora_3, Dwayne_2, Snorlax_2
- Track 189 : Jash_2, Eddasa_2, Izzy_2, Rusticus_2, BryanRecycles_2, Oliynyk_2
- Track 190 : Bovely_2, Phettuccine_2, Esperer_2, Aaronocolus_2, Unstoppable_2, Leviticus_2, Nerdos_2, Indigo_2
- Track 191 : RedBear_3, South40_2, Katalie_2
- Track 192 : Ozzie_2, Legacy_2, Hydra_3, Caliburn_2, BeardedLady_2, SunsetPointe_2
- Track 193 : Goby_2, Toma_2, Dattran_2
- Track 194 : TuanPN_2, Ejemplo_2
- Track 195 : Lorelei_2, Nabi_2, Rana_2
- Track 196 : Yasdnii_2, Maneekul_2
- Track 197 : Lika_2
- Track 198 : Nanodon_3
- Track 199 : Whatever_2
- Track 200 : Godpower_2
- Track 201 : Brataylor_2
- Track 202 : Hippo_2
- Track 203 : Lannister_3
- Track 204 : Zemlya_2
- Track 205 : Celeste_2
- Track 206 : EnochSoames_2
- Track 207 : Danzina_2
- Track 208 : Tefunt_2
- Track 209 : Alvy_3, Bowden_2, BartholomewSD_3, TinaBelcher_2, TrvxScott_2, Thestral_2
- Track 210 : Zainub_3
- Track 211 : R4_1
- Track 212 : Pablito_2
- Track 213 : Axiom_3, Triumph_3
- Track 214 : Marav_3
- Track 215 : Omar_2, Haizum_2, Nishikigoi_2, Diane_2
- Track 216 : SqueakyClean_3, Animus_3, Janus_3, GirlDinner_2
- Track 217 : Caelum_3
- Track 218 : Amethyst_2
- Track 219 : Paedore_3, Loofah_3
- Track 220 : Jevington_3
- Track 221 : Daudau_2
- Track 222 : Hank144_2
- Track 223 : Issmi_2
- Track 224 : Andris_2
- Track 225 : Paolo_3, Puginator_3
- Track 226 : Yosif_3
- Track 227 : Kaine_3
- Track 228 : Provolone_4, Conan_4, ElGato_4
- Track 229 : Speedwell_3
- Track 230 : Pavo_3
- Track 231 : Saftant_2
- Track 232 : Alsaber_3
- Track 233 : Celery_4
- Track 234 : Amela_2
- Track 235 : Verabelle_3
- Track 236 : Verse_2

- Track 237 : BroPlease_1, phiHau3_1, GreenWeasel_1
- Track 238 : Celia_2, Itza_2, Urza_2
- Track 239 : VieEnRose_2
- Track 240 : PhinkBoden_15, Geeche_13, Cucurbita_13, ClubL_14, Dusty_13, Culver_13, WilliamBoone_12, Bachita_15, Abscondus_14
- Track 241 : Norvs_14, Smoothie_14, Aphelion_14, Lozinak_14, Miskis_16, Engineer_14, Toniann_14
- Track 242 : OneUp_9
- Track 243 : BrutonGaster_7
- Track 244 : HippoPololi_68
- Track 245 : Survivors_69
- Track 246 : Dre3_68
- Track 247 : Azira_67, Nibbles_67, Fribs8_67
- Track 248 : Wrigley_81, Jablanski_82, Posh_79, Pytheas_83
- Track 249 : Cashline_76
- Track 250 : LonelyBoi_78
- Track 251 : Angelique_76
- Track 252 : Bradissa_76
- Track 253 : Pollux_82, EMSquaredA_80, Floral_80
- Track 254 : EnalisNailo_76
- Track 255 : BritBrat_98
- Track 256 : JonJames_13, Cardigan_14
- Track 257 : Yvonnetastic_14
- Track 258 : Bantam_8
- Track 259 : Daredevil_10
- Track 260 : SpeedDemon_90
- Track 261 : DatBoi_9
- Track 262 : Towmatter_9
- Track 263 : Mollymur_10
- Track 264 : MortyNRick_99, Birdsong_96, BearBQ_102
- Track 265 : Crater_100, Apricot_101
- Track 266 : Kuwabara_94
- Track 267 : Honk_82
- Track 268 : Barnstormer_77, UtzChips_77
- Track 269 : Caron_82
- Track 270 : Percival_75, Gretchen_74
- Track 271 : Mabodamaca_75
- Track 272 : Floof_81
- Track 273 : Zeta1847_76
- Track 274 : SuMoo_83
- Track 275 : IAmGroot_75, GardenState_76
- Track 276 : Poushou_54, TouchMeNot_54, Arianna_54
- Track 277 : LunaStella_101, TChen_101, Renaud18_112
- Track 278 : ZenTime222_65, Bernal13_59, Ibrahim_59, RonRayGun_59, Whitty_58
- Track 279 : Mendokysei_63
- Track 280 : Nairb_57
- Track 281 : Nette_66
- Track 282 : Samy_101
- Track 283 : Attoomi_53
- Track 284 : Footloose_71

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

The start number called the most often in the published annotations is 142, it was called in 394 of the 830 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_4, 40AC_5, AEgle_67, AN3_4, AbbyPaige_5, Abbyshoes_2, Abscondus_14, Acme_2, Acolyte_4, Adahisdi_1, Adolin_71, Adumb2043_68, Aeneas_1, Agape74_5, Ajay_1, Alsfro_2, Altman_3, Alvin_3, Amyev_68, Anglerfish_2, AnnaL29_4, Anselm_5, Aphelion_14, Applejack_1, Arcanine_2, ArcherNM_4, Arianna_54, Arlo_2, Asa16_69, Ascela_71, Ashballer_1, Astro_1, Atkinbua_1, Attoomi_53, Azira_67, BPBiebs31_2, BabyRay_1, Bachita_15, BaconJack_2, Baehexic_5, Bantam_8, Barnstormer_77, Barriga_2, BarrowTuph_1, Beatrix_1, BeesKnees_2, BengiVuitton_4, Benvolio_5, Berrie_69, Bethlehem_2, Bexan_1, BiancaTri92_4, Big3_1, BigMau_3, BigPaolini_1, Bigchungu_1, Bigfoot_1, BillKnuckles_2, Bircsak_2, BluSpix_1, BlueBird_1, Blue_3, Bob3_2, BobSwaget_5, Bones_1, Briton15_2, Bruns_1, BrutonGaster_7, Buggy_5, Burton_2, Buttons_2, Bxb1_1, CRB1_4, CactusRose_1, Cardigan_14, Carlyle_2, Caron_82, Cassia_68, Caviar_1, Centaur_5, Chanagan_2, Changeling_4, Chargerpower_5, ChipMunk_5, Ciao_1, ClubL_14, Colin_5, Community_70, Conceptll_2, Corvo_2, Crewmate_74, Crispicous1_1, Crucio_5, Cucurbita_13, Cueyllyss_1, Culver_13, Cyan_70, DD5_2, Dalmatian_5, Daredevil_10, DatBoi_9, Deloris_4, Dexes_2, Dignity_5, Dixon_1, Doom_1, DrFeelGood_1, DrManhattan_72, DrSierra_66, Drake55_5, Dre3_68, Dreamboat_2, DroogsArmy_1, DudeLittle_5, Dulcie_1, Dussy_2, Dusty_13, Dynamix_2, EZMoney23_4, Echild_5, Edtherson_2, Elezi_68, Emotion_74, Engineer_14, EnzoK_1, Equemioh13_5, Eraser_69, Espresso_2, Euphoria_2, EvilGenius_5, Exile_60, Eyeball_1, Fajezeel_2, Fameo_5, Fascinus_1, Fenn_1, FiringLine_5, First_004, Flare16_5, Floof_81, Forsytheast_1, Francis47_2, Fribs8_67, Froghopper_2, Fushigi_2, GageAP_2, Gail_4, Gandalf20_2, GardenState_76, Geeche_13, Georgie2_5, Gompeii16_2, Graduation_1, GrecoEtereo_2, Greg_2, Gretchen_74, Gwendoluna_1, Gyzlar_2, HINdeR_1, Hami1_1, HarryHoudini_5, HarryOW_2, Heffalump_5, Hermia_2, HermioneGrange_2, HippoPololi_68, Homines_2, Honk_82, Hookmount_1, Hope4ever_1, IAmGroot_75, ILeeKay_1, Ichabod_2, IgnatiusPatJac_1, Inyanga_1, Iqorha_1, Isca_1, Iter_70, IttyBittyPiggy_70, JC27_2, JF2_1, JF4_1, JackSparrow_1, Janeemi_69, Jasper_2, Jeeves_4, Jerm2_2, Jerm_5, Joemato_71, JohnDoe_70, JonJames_13, Jorgensen_2, JoshKayV_5, JuliaChild_2, JuneStar_68, KBG_2, Kalpine_4, Kanely_3, Kaylissa_71, KeAlii_67, Kenmech_2, Killigrew_1, Kimona_1, KingCyrus_5, Kugel_1, KyMonks1A_1, Kykar_1, LadyBird_4, Lambert1_1, Lamina13_2, Larenn_5, Lego_69, Leogania_4, Lesedi_1, Leviathan_5, Licorice_2, Liebe_69, LilBib_1, LilTurb_5, LionsBait_4, Lizalica_69, Lockley_2, Lökk_5, London_69, Lopton_2, Loser_4, Lozinak_14, Luchador_4, LunarLander_1, MA5_1, MK4_1, MPlant7149_2, MaGuCo_63, Mabodamaca_75, Magnar_1, Makemake_2, Malec_5, Manatee_2, Marcell_2, Marchy_2, Marco3_1, Marge_1, Margo_1, Maroc7_1, MaryBeth_2, Maureen_69, McGuire_2, McSinger_2, MetalQZJ_2, Michley_1, MiculUcigas_5, Miko_5, Miskis_16, MissSwiss_70, Mkhuseleli_1, Molly_2, Mollymur_10, Monet_2, Moose_1, Mryolo_1, Mudpuppy_68, Mule_1, Museum_3, NEHalo_2, NaSiaTalie_5, Naira_1, NearlyHeadless_1, Nerujay_1, Nhonho_2, Nibbles_67, NicoleTera_4, Niobe_69, Nitro_70, Niza_3, Noella_1, Norvs_14, Norz_2, ObiToo_74, Ohno789_1, OneUp_9, Oogway_1, PSullivan_2, PacerPaul_2, Paphu_1, Paraselene_1, Pari_2, Parliament_1, PascalRango_2, PattyP_2, Payneful_2, Pelly_2, Pepe_2, Percival_75, Perseus_1, Peterson_1, Petp2012_2, Petruccio_2, PherrisBueller_2, Phillis_1,

PhinkBoden_15, Phives_70, Phlippers_1, PinkPlastic_1, Pippin_2, Piro94_4, Pistachio_1, Pita2_2, Pixelle_68, Pocahontas_1, Poushou_54, Power_5, Powerpuff_71, ProMouse_1, Puppy_1, QTRLifeCrisis_1, QueenB2_5, QueenBeesly_5, Rachaly_5, Raid_3, Rajelicia_2, RedRock_4, Reedo_68, Refuge_4, ResDef_1, Retro23_5, Rhynn_1, RidgeCB_2, Ringer_1, Roary_1, Rohr_2, Rubeus_2, Rufus_2, Rutherford_1, STLscum_2, Sagefire_2, Saintus_1, Samy_101, SarFire_2, Scowl_2, Seabiscuit_2, Seanderson_1, SemperFi_5, ShortQueendom_1, Sibs6_2, SkiPole_2, Sknot_6, Slagathor_2, Smairt_1, Smeadley_1, Smeagan_5, Smeagol_1, Smoothie_14, SnapTap_5, Snazzy_1, Snek_68, Solon_1, Soondubu_62, SororFago_4, Sorpresa_1, SpeedDemon_90, SpikeBT_1, Squee_1, Steamy_4, Stephig9_1, StewieG_1, StrongArm_1, SuMoo_83, Subaru_69, Sue2_68, Sumter_1, Sunshine924_1, Survivors_69, SweetiePie_5, SwissCheese_1, Switzer_2, Swole_2, TNguyen7_1, Tallboi_69, Target_2, TarsusIV_5, Tasp14_2, Tbone_69, Teodoridan_1, Terrific_6, TforTroy_69, TheloniousMonk_2, Thor_2, Tian_67, Timshel_1, Todacoro_1, Toniann_14, Topgun_1, Tote_2, TouchMeNot_54, Towmatter_9, Traft412_3, Treddle_2, Tripl3t_1, Trixie_4, Trooper_5, Tuck_69, Turab_68, Turbido_5, Turj99_1, Tutumahutu_71, Tweety19_69, TwoPeat_2, U2_2, Updawn_5, UtzChips_77, VA6_4, VResidence_72, Violet_2, Warda_70, Watermelon_2, WeiHuaDA_5, Whabigail7_5, Wheeler_2, WideWale_5, Wildwest_65, Wilkins_1, WilliamBoone_12, XianYue_4, Yang_68, Yecy3_4, YesChef_69, Yvonnestic_14, Zeeculate_1, Zephyr_1, Zeta1847_76, Zeuska_1,

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

- AFIS_1, Jstan_70, KSSJEB_1, Magnito_1, MrGordo_1, Papez_2, PhineBark_1, PhrostyMug_1, Pinto_1, Toaka_4, Trouble_1,

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

- AN9_4, ANI8_4, Aaronocolus_2, Abrogate_20, Adzzy_4, AgentM_1, Aglet_1, AgronaGT15_1, Airmid_1, Aliter_4, Alma_4, Alsaber_3, Alvy_3, Amela_2, Amethyst_2, Anaysia_4, Andris_2, Aneem_4, Angelique_76, Animus_3, Anon_4, Anthony_1, Anubis_3, Apricot_101, Aragog_1, Archetta_1, Arissanae_4, Artemis2UCLA_4, Asten_2, AugsMagnumOpus_3, Axiom_3, BABullseye_4, BabyBack_4, Bachome_4, Bactobuster_4, BarryBee_3, BartholomewSD_3, Battleship_5, BearBQ_102, BeardedLady_2, Beauxregard13_1, Beemo_4, Benedict_1, Bernal13_59, Birdsong_96, Blinn1_4, Blue7_4, BogosyJay_4, Boohoo_4, Bovely_2, Bowden_2, Bowtie_4, Bradissa_76, Brataylor_2, BreSam8_1, BritBrat_98, BroPlease_1, BryanRecycles_2, Bud_4, Bxz2_1, C3_04, Caelum_3, Caliburn_2, Cashline_76, Catalina_4, Celery_4, Celeste_2, Celia_2, Cerulean_1, Chadwick_1, ChampagnePapi_1, Charm_4, Che12_4, Chucky_2, Chupacabra_1, Cindaradix_1, CloudWang3_4, Colbster_1, Conan_4, Conquerage_4, Conspiracy_1, Coog_1, Cookiedough_4, Crater_100, Cuco_1, Cullens_1, D29_4, D32_4, DBQu4n_4, DaHudson_1, DaVinci_4, Daishi_1, Danzina_2, Darrell_4, DarthPhader_4, Dattran_2, Daudau_2, DekHockey33_4, Diane_2, Dieselweasel_1, Discoknowium_1, Dorothea_4, Drake94_1, DreamCatcher_2, DreamTeam1_4, Duplo_4, Dwayne_2, EMSquaredA_80, EagleEye_4, Eaglepride_1, Ebony_4, Eddasa_2, Edison31_1, Eidsmoe_4, Ejemplo_2, ElGato_4, ElTiger69_1, Elephantoon_4, Emaanora_3, EmyBug_4, EnalisNailo_76, EnochSoames_2, EpicPhail_1, Epsocamisio_4, EricB_4, Esperer_2, ExplosioNervosa_4, Farber_1, Farewell_96, Fayely_4, Fernando_1, Fibonacci_4, Flaverint_4, Floral_80, FlyCatcher_1, Footloose_71, ForGetIt_1, Fred313_1, GaugeLDP_4, Gemma_1, Gilberta_4, GingkoMaracino_1, GirlDinner_2, Gladiator_4, Goby_2, Godpower_2, Goose_1, GreedyLawyer_4, GreenWeasel_1, Grif_1, Groupthink_2, Grub_1, Grum1_1, Gruunaga_4, GtownJaz_1, Haizum_2, Hammer_4, Hank144_2, HashRod_2, HaveUMetTed_2, Heliosoles_1, Herbertwm_1,

Hercules11_1, Hexamo_4, Hippo_2, Hoot_4, HortumSL17_4, HuhtaEnerson15_1, Hutc2_4, Hydra_3, Ibrahim_59, Indigo_2, Indra_4, Insomnia_4, IronMan_4, Isiphiwo_4, Issmi_2, Itza_2, Iwokeuplikedis_5, Izzy_2, JHC117_1, JSwag_4, Jaan_4, Jabiru_1, Jabith_4, Jablanski_82, Janus_3, Jash_2, JasmineDragon_70, Jeffabunny_4, JenCasNa_1, JeppNRM_2, Jevington_3, JewelBug_4, Jobu08_1, Jordennis_4, Joselito_4, Journey13_4, Jovo_1, Jsquared_4, KADY_2, Kachowdy_1, Kaine_3, Kalb97_2, Kalnoky_2, Katalie_2, KatherineG_4, Kazan_4, Kerberos_4, Keziacharles14_4, Kipper29_4, KittenMittens_1, Koko_4, Kristoff_2, Kuwabara_94, L5_4, LBerry_1, LHTSCC_1, Landor_4, Lannister_3, LarryKay_1, LastResort_4, Legacy_2, Lev2_1, Leviticus_2, Lika_2, Lilbunny_4, Lilith_1, LittleCherry_1, LoneWolf_4, LonelyBoi_78, Loofah_3, Looper_4, Lorelei_2, Louie6_1, Lucivia_4, Lucyedi_4, LugYA_3, LunaStella_101, MaCh_4, MadMarie_1, Mainiac_1, MalagasyRose_85, Malinsilva_3, Maminiaina_4, Maneekul_2, Manu_2, MarQuardt_1, Marav_3, Marie_1, Marius_2, Marsha_2, McFly_4, Mendokysei_63, Methuselah_1, Microwolf_1, Midas2_1, Milcery_1, MinecraftSteve_5, MiniMommy_73, MissWhite_4, MoneyMay_1, MortyNRick_99, Mulciber_4, Munch_4, MyraDee_1, Myxus_4, Nabi_2, Naca_1, Nairb_57, Naji_4, Nanodon_3, Nebulosus_4, Nedarya_4, Neeharika16_4, Nerdos_2, Nergal_81, Nette_66, Newrala_4, Nishikigoi_2, OKCentral2016_1, Odin_3, OlanP_1, Oliynyk_2, Ollie_1, Omar_2, Orange_4, Ozzie_2, OzzyJ_3, P28Green_1, PGHhamlin_3, Pablito_2, PackMan_4, Paedore_3, PainterBoy_4, Paolo_3, Pavo_3, Pawn_1, PeaceMeal1_1, Pembroke_1, Penny1_1, PetterN_1, Ph8s_4, Phaded_4, Phaeder_4, Phantastic_1, Pharaoh_4, Phettuccine_2, PhishRPhriends_1, Phlorence_1, Phoebe_1, Phonnegut_4, Phoxy_1, Phranny_2, PickleBack_1, Pioneer_4, Pmask_4, Pollux_82, Pomar16_4, Poompha_1, Posh_79, PotatoSplit_2, Priamo_4, Priya_4, Provolone_4, Puginator_3, Pukovnik_4, PurpleHaze_1, Pytheas_83, Qobbit_4, R4_1, Rahalelujah_4, Rana_2, ReMo_4, Reba_2, RedBear_3, Remus_4, Renaud18_112, RhynO_1, Rifter_4, Roksolana_4, RonRayGun_59, Rosalind_4, Rummer_1, Ruotula_2, Rusticus_2, RyeScarlet_5, SPB78_77, Sabia_1, Sabinator_1, Saftant_2, Salz_4, Sanya_1, SarahRose_2, Scherzo_4, Scorpia_1, Scout_1, Serenity_4, Severus_1, ShakeltOph_72, Sham4_4, ShayRa_5, SheaKeira_4, Sheen_1, SmellyB_4, Snape_4, Snorlax_2, SoilDragon_1, Soshari_3, Soups_4, South40_2, Sparky_95, Speedwell_3, Spike509_1, Spouty_4, SqueakyClean_3, Stagni_1, StarStuff_4, StepMih_1, Stink_1, Strosahl_4, Sujidade_2, SunsetPointe_2, SuperAwesome_4, SuperCallie99_4, Superchunk_4, Switzerland_4, TChen_101, TagePhighter_3, Taurus_1, Tefunt_2, Thestral_2, Tiffany_1, Tiger_1, Timothy_4, TinaBelcher_2, TinyTimmy_4, TopsytheTRex_4, Toma_2, Tomathan_4, Topanga_1, Toro_1, Travvers_4, Triste_2, Triumph_3, TrvxScott_2, TuanPN_2, Tubs_4, Tucker_4, Twister_1, UnionJack_87, Unstoppable_2, Urza_2, VC3_4, VWB_70, Vanisoa_4, Verabelle_3, Verse_2, VieEnRose_2, Vix_1, VohminGhazi_4, VroomVroom_67, Waits_4, WalterMcMickey_1, Watson_1, Werner_2, Whatever_2, Whitty_58, Wiks_4, Wooldri_3, Wrigley_81, WunderPhul_4, Yasdnil_2, Yokurt_4, Yosif_3, Zainub_3, Zaka_4, Zemlya_2, ZenTime222_65, Zetzy_1, Zimmer_4, Zulu_4, phiHau3_1,

Summary by start number:

Start 58:

- Found in 2 of 885 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 830
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Amela_2 (BD3),

Start 63:

- Found in 25 of 885 (2.8%) of genes in pham
- Manual Annotations of this start: 2 of 830
- Called 8.0% of time when present
- Phage (with cluster) where this start called: Brataylor_2 (BD1), Whatever_2 (BD1),

Start 69:

- Found in 8 of 885 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 830
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Godpower_2 (BD1),

Start 72:

- Found in 6 of 885 (0.7%) of genes in pham
- Manual Annotations of this start: 6 of 830
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bernal13_59 (T), Ibrahim_59 (T), Nairb_57 (T), RonRayGun_59 (T), Whitty_58 (T), ZenTime222_65 (T),

Start 75:

- Found in 1 of 885 (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: Nette_66 (T),

Start 88:

- Found in 8 of 885 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 830
- Called 25.0% of time when present
- Phage (with cluster) where this start called: ChampagnePapi_1 (A4), Stink_1 (A4),

Start 89:

- Found in 3 of 885 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 830
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Cindaradix_1 (A4),

Start 102:

- Found in 10 of 885 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 830
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Daudau_2 (BD2),

Start 106:

- Found in 79 of 885 (8.9%) of genes in pham
- Manual Annotations of this start: 4 of 830
- Called 5.1% of time when present
- Phage (with cluster) where this start called: Magnito_1 (A1), PhrostyMug_1 (A1), Pinto_1 (A1), Trouble_1 (A1),

Start 114:

- Found in 41 of 885 (4.6%) of genes in pham
- Manual Annotations of this start: 1 of 830
- Called 2.4% of time when present

- Phage (with cluster) where this start called: Papez_2 (A1),

Start 119:

- Found in 22 of 885 (2.5%) of genes in pham
- Manual Annotations of this start: 3 of 830
- Called 13.6% of time when present
- Phage (with cluster) where this start called: ExplosioNervosa_4 (A9), Qobbit_4 (A9), Toaka_4 (A9),

Start 121:

- Found in 2 of 885 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 830
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Danzina_2 (BD1),

Start 123:

- Found in 172 of 885 (19.4%) of genes in pham
- Manual Annotations of this start: 34 of 830
- Called 19.8% 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), Pawn_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 126:

- Found in 7 of 885 (0.8%) of genes in pham
- Manual Annotations of this start: 3 of 830
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Fred313_1 (A3), Kachowdy_1 (A3), Phantastic_1 (A3), Scout_1 (A3),

Start 127:

- Found in 42 of 885 (4.7%) of genes in pham
- Manual Annotations of this start: 40 of 830
- Called 95.2% 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), ElTiger69_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 128:

- Found in 96 of 885 (10.8%) of genes in pham
- No Manual Annotations of this start.

- Called 1.0% of time when present
- Phage (with cluster) where this start called: PhineBark_1 (A1),

Start 129:

- Found in 78 of 885 (8.8%) of genes in pham
- Manual Annotations of this start: 46 of 830
- Called 59.0% of time when present
- Phage (with cluster) where this start called: Aglet_1 (A3), Anthony_1 (A20), Anubis_3 (A3), AugsMagnumOpus_3 (A3), Beauxregard13_1 (A3), Bxz2_1 (A3), DaHudson_1 (A3), EpicPhail_1 (A3), Farber_1 (A3), Fernando_1 (A3), Grif_1 (A3), Groupthink_2 (A3), Grub_1 (A3), Grum1_1 (A3), GtownJaz_1 (A3), HaveUMetTed_2 (A3), Hercules11_1 (A3), JHC117_1 (A3), JeppNRM_2 (A3), KADY_2 (A3), Kalb97_2 (A3), LarryKay_1 (A3), Lilith_1 (A3), Louie6_1 (A3), Mainiac_1 (A3), Malinsilva_3 (A3), Manu_2 (A3), MarQuardt_1 (A3), Marius_2 (A3), Methuselah_1 (A3), Microwolf_1 (A3), OlanP_1 (A3), Ollie_1 (A3), PGHhamlin_3 (A3), Penny1_1 (A3), PhishRPhriends_1 (A3), Phoxy_1 (A3), Phranny_2 (A3), Reba_2 (A3), Sabinator_1 (A3), Spike509_1 (A3), Stagni_1 (A3), StepMih_1 (A3), Tiffany_1 (A3), Vix_1 (A3), Watson_1 (A3),

Start 133:

- Found in 16 of 885 (1.8%) of genes in pham
- Manual Annotations of this start: 2 of 830
- Called 25.0% of time when present
- Phage (with cluster) where this start called: FlyCatcher_1 (A7), Sheen_1 (A7), Tefunt_2 (BD2), Toro_1 (A7),

Start 137:

- Found in 4 of 885 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 830
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JasmineDragon_70 (AZ4), MiniMommy_73 (AZ4), ShakeltOph_72 (AZ4), VroomVroom_67 (AZ4),

Start 138:

- Found in 26 of 885 (2.9%) of genes in pham
- Manual Annotations of this start: 2 of 830
- Called 15.4% of time when present
- Phage (with cluster) where this start called: Cerulean_1 (A4), LHTSCC_1 (A4), SPB78_77 (BA), VWB_70 (BA),

Start 139:

- Found in 210 of 885 (23.7%) of genes in pham
- Manual Annotations of this start: 199 of 830
- Called 95.7% of time when present
- Phage (with cluster) where this start called: AN9_4 (A2), ANI8_4 (A2), Aaronocolus_2 (BD1), Adzzy_4 (A2), Aliter_4 (A9), Alma_4 (A9), Anaysia_4 (A15), Aneem_4 (A11), Anon_4 (A15), Arissanae_4 (A9), Artemis2UCLA_4 (A6), Asten_2 (BD1), BABullseye_4 (A6), BabyBack_4 (A2), Bactobuster_4 (A2), BarryBee_3 (BD1), Battleship_5 (A15), BeardedLady_2 (BD1), Beemo_4 (A9), Blinn1_4 (A6), Blue7_4 (A6), BogosyJay_4 (A9), Boohoo_4 (A15), Bovely_2 (BD1), Bowtie_4 (A11), BryanRecycles_2 (BD1), Bud_4 (A11), C3_04 (A2), Caliburn_2 (BD1), Catalina_4 (A9), Celeste_2 (BD1), Charm_4 (A9), Che12_4 (A2), Chucky_2 (BD1), CloudWang3_4 (A6), Conquerage_4 (A9), Cookiedough_4 (A6), D29_4 (A2), D32_4

(A2), DBQu4n_4 (A2), DaVinci_4 (A6), Darrell_4 (A9), Dattran_2 (BD1), DekHockey33_4 (A15), Dorothea_4 (A6), DreamTeam1_4 (A9), Duplo_4 (A2), Dwayne_2 (BD1), EagleEye_4 (A16), Eddasa_2 (BD1), Eidsmoe_4 (A9), Ejemplo_2 (BD1), Elephantoon_4 (A9), Emaanora_3 (BD1), EmyBug_4 (A9), Epsocamisio_4 (A15), EricB_4 (A6), Esperer_2 (BD1), Fayely_4 (A9), Fibonacci_4 (A11), Flaverint_4 (A11), GaugeLDP_4 (A2), Gilberta_4 (A11), Gladiator_4 (A6), Goby_2 (BD1), GreedyLawyer_4 (A6), Gruunaga_4 (A6), Hammer_4 (A6), Herbertwm_1 (A2), Hexamo_4 (A6), Hippo_2 (BD1), Hoot_4 (A6), HortumSL17_4 (A9), Hutc2_4 (A11), Hydra_3 (BD1), Indigo_2 (BD1), Indra_4 (A6), Insomnia_4 (A11), IronMan_4 (A2), Isiphiwo_4 (A6), Iwokeuplikedis_5 (A2), Izzy_2 (BD1), J\$wag_4 (A15), Jaan_4 (A2), Jabith_4 (A11), Jash_2 (BD1), Jeffabunny_4 (A6), JewelBug_4 (A6), Jordennis_4 (A6), Joselito_4 (A11), Journey13_4 (A2), Jsquared_4 (A2), Katalie_2 (BD1), KatherineG_4 (A15), Kazan_4 (A6), Kerberos_4 (A2), Keziacharles14_4 (A9), Kipper29_4 (A6), Koko_4 (A6), L5_4 (A2), Landor_4 (A2), Lannister_3 (BD1), LastResort_4 (A15), Legacy_2 (BD1), Leviticus_2 (BD1), Lika_2 (BD1), Lilbunny_4 (A6), LoneWolf_4 (A9), Looper_4 (A15), Lorelei_2 (BD1), Lucivia_4 (A11), Lucyedi_4 (A16), MaCh_4 (A11), Maminiaina_4 (A9), Maneekul_2 (BD1), McFly_4 (A6), MinecraftSteve_5 (A15), MissWhite_4 (A2), Mulciber_4 (A11), Munch_4 (A11), Myxus_4 (A9), Nabi_2 (BD1), Naji_4 (A2), Nanodon_3 (BD1), Nebulosus_4 (A15), Nedarya_4 (A15), Neeharika16_4 (A6), Nerdos_2 (BD1), Newrala_4 (A6), Odin_3 (A2), Oliynyk_2 (BD1), Ozzie_2 (BD1), OzzyJ_3 (BD1), PackMan_4 (A9), PainterBoy_4 (A16), Ph8s_4 (A2), Phaded_4 (A2), Phaeder_4 (A9), Phettuccine_2 (BD1), Phonnegut_4 (A9), Pioneer_4 (A9), Pmask_4 (A6), Pomar16_4 (A2), Priamo_4 (A6), Priya_4 (A9), Pukovnik_4 (A2), Rahalelujah_4 (A9), Rana_2 (BD1), ReMo_4 (A15), RedBear_3 (BD1), Remus_4 (A15), Rifter_4 (A6), Roksolana_4 (A6), Rosalind_4 (A15), Rusticus_2 (BD1), RyeScarlet_5 (A9), Salz_4 (A11), SarahRose_2 (BD1), Scherzo_4 (A9), Serenity_4 (A2), Sham4_4 (A11), ShayRa_5 (A15), SheaKeira_4 (A9), SmellyB_4 (A6), Snape_4 (A11), Snorlax_2 (BD1), Soups_4 (A15), South40_2 (BD1), Spouty_4 (A9), StarStuff_4 (A2), Strosahl_4 (A15), Sujidade_2 (BD1), SunsetPointe_2 (BD1), SuperAwesome_4 (A6), SuperCallie99_4 (A6), Superchunk_4 (A2), Switzerland_4 (A15), TagePhighter_3 (BD1), Timothy_4 (A11), TinyTimmy_4 (A11), TipsytheTRex_4 (A2), Toma_2 (BD1), Tomathan_4 (A2), Travvers_4 (A2), Triste_2 (BD1), TuanPN_2 (BD1), Tubs_4 (A9), Tucker_4 (A6), Unstoppable_2 (BD1), VC3_4 (A2), Vanisoa_4 (A9), VohminGhazi_4 (A6), Waits_4 (A15), Werner_2 (BD1), Wiks_4 (A6), WunderPhul_4 (A6), YasdniI_2 (BD1), Yokurt_4 (A6), Zaka_4 (A6), Zemlya_2 (BD1), Zulu_4 (A6),

Start 140:

- Found in 57 of 885 (6.4%) of genes in pham
- Manual Annotations of this start: 50 of 830
- Called 94.7% 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), Axiom_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), 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 141:

- Found in 1 of 885 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 830
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MyraDee_1 (A18),

Start 142:

- Found in 442 of 885 (49.9%) of genes in pham
- Manual Annotations of this start: 394 of 830
- Called 97.5% of time when present
- Phage (with cluster) where this start called: 20ES_4 (A2), 40AC_5 (A17), AEgle_67 (AZ1), AN3_4 (A2), AbbyPaige_5 (A2), Abbyshoes_2 (A1), Abscondus_14 (CQ1), Acme_2 (A1), Acolyte_4 (A2), Adahisdi_1 (A1), Adolin_71 (AZ1), Adumb2043_68 (AZ1), Aeneas_1 (A1), Agape74_5 (A2), Ajay_1 (A1), Alsfro_2 (A1), Altman_3 (A1), Alvin_3 (A1), Amyev_68 (AZ1), Anglerfish_2 (A1), AnnaL29_4 (A2), Anselm_5 (A2), Aphelion_14 (CQ1), Applejack_1 (A1), Arcanine_2 (A1), ArcherNM_4 (A2), Arianna_54 (EO), Arlo_2 (A1), Asa16_69 (AZ1), Ascela_71 (AZ1), Ashballer_1 (A1), Astro_1 (A8), Atkinbua_1 (A1), Attoomi_53 (singleton), Azira_67 (CT), BPBiabs31_2 (A1), BabyRay_1 (A3), Bachita_15 (CQ1), BaconJack_2 (A1), Baehexic_5 (A2), Bantam_8 (DL), Barnstormer_77 (EH), Barriga_2 (A1), BarrowTuph_1 (A1), Beatrix_1 (A1), BeesKnees_2 (A1), BengiVuitton_4 (A2), Benvolio_5 (A2), Berrie_69 (AZ1), Bethlehem_2 (A1), Bexan_1 (A1), BiancaTri92_4 (A2), Big3_1 (A1), BigMau_3 (A1), BigPaolini_1 (A1), Bigchung_1 (A1), Bigfoot_1 (A1), BillKnuckles_2 (A1), Bircsak_2 (A1), BluSpix_1 (A1), BlueBird_1 (A3), Blue_3 (A1), Bob3_2 (A1), BobSwaget_5 (A2), Bones_1 (A1), Briton15_2 (A1), Bruns_1 (A1), BrutonGaster_7 (CQ2), Buggy_5 (A2), Burton_2 (A1), Buttons_2 (A1), Bxb1_1 (A1), CRB1_4 (A2), CactusRose_1 (A1), Cardigan_14 (DD), Carlyle_2 (A1), Caron_82 (EH), Cassia_68 (AZ1), Caviar_1 (A3), Centaur_5 (A2), Chanagan_2 (A1), Changeling_4 (A2), Chargerpower_5 (A), ChipMunk_5 (A2), Ciao_1 (A1), ClubL_14 (CQ1), Colin_5 (A2), Community_70 (AZ1), ConceptII_2 (A1), Corvo_2 (A1), Crewmate_74 (AZ1), Crispicous1_1 (A1), Crucio_5 (A2), Cucurbita_13 (CQ1), Cueyliss_1 (A1), Culver_13 (CQ1), Cyan_70 (AZ1), DD5_2 (A1), Dalmatian_5 (A2), Daredevil_10 (DL), DatBoi_9 (DL), Deloris_4 (A2), Dexes_2 (A1), Dignity_5 (A2), Dixon_1 (A8), Doom_1 (A1), DrFeelGood_1 (A1), DrManhattan_72 (AZ1), DrSierra_66 (AZ1), Drake55_5 (A2), Dre3_68 (CT), Dreamboat_2 (A1), DroogsArmy_1 (A7), DudeLittle_5 (A2), Dulcie_1 (A1), Dussy_2 (A1), Dusty_13 (CQ1), Dynamix_2 (A1), EZMoney23_4 (A2), Echild_5 (A2), Edtherson_2 (A1), Elezi_68 (AZ1), Emotion_74 (AZ4), Engineer_14 (CQ1), EnzoK_1 (A1), Equemioh13_5 (A2), Eraser_69 (AZ1), Espresso_2 (A1), Euphoria_2 (A1), EvilGenius_5 (A2), Exile_60 (AZ), Eyeball_1 (A1), Fajezeel_2 (A1), Fameo_5 (A2), Fascinus_1 (A1), Fenn_1 (A1), FiringLine_5 (A2), First_004 (A2), Flare16_5 (A2), Floof_81 (EH), Forsytheast_1 (A1), Francis47_2 (A1), Fribs8_67 (CT), FrogHopper_2 (A1), Fushigi_2 (A1), GageAP_2 (A1), Gail_4 (A14), Gandalf20_2 (A1), GardenState_76 (EH), Geeche_13 (CQ1), Georgie2_5 (A2), Gompeii16_2 (A1), Graduation_1 (A1), GrecoEtereo_2 (A1), Greg_2 (A1), Gretchen_74 (EH), Gwendoluna_1 (A1), Gyzlar_2 (A1), HINdeR_1 (A7), Hami1_1 (A1), HarryHoudini_5 (A2), HarryOW_2 (A1), Heffalump_5 (A2), Hermia_2 (A1), HermioneGrange_2 (A1), HippoPololi_68 (CT), Homines_2 (A1), Honk_82 (EH), Hookmount_1 (A3), Hope4ever_1 (A1), IAmGroot_75 (EH), ILeeKay_1 (A1), Ichabod_2 (A1), IgnatiusPatJac_1 (A1), Inyanga_1 (A1), Iqorha_1 (A1), Isca_1 (A3), Iter_70 (AZ1), IttyBittyPiggy_70 (AZ1), JC27_2 (A1), JF2_1 (A3), JF4_1 (A3), JackSparrow_1 (A1), Janeemi_69 (AZ1), Jasper_2 (A1), Jeeves_4 (A14), Jerm2_2 (A1), Jerm_5 (A2),

Joemato_71 (AZ1), JohnDoe_70 (AZ1), JonJames_13 (DD), Jorgensen_2 (A1), JoshKayV_5 (A2), JuliaChild_2 (A1), JuneStar_68 (AZ1), KBG_2 (A1), Kalpine_4 (A2), Kanely_3 (A1), Kaylissa_71 (AZ1), KeAlii_67 (AZ1), Kenmech_2 (A1), Killigrew_1 (A1), Kimona_1 (A19), KingCyrus_5 (A2), Kugel_1 (A1), KyMonks1A_1 (A1), Kykar_1 (A1), LadyBird_4 (A2), Lambert1_1 (A3), Lamina13_2 (A1), Larenn_5 (A2), Lego_69 (AZ1), Leogania_4 (A2), Lesedi_1 (A1), Leviathan_5 (A2), Licorice_2 (A1), Liebe_69 (AZ2), LilBib_1 (A1), LilTurb_5 (A2), LionsBait_4 (A2), Lizalica_69 (AZ1), Lockley_2 (A1), Lokk_5 (A2), London_69 (AZ1), Lopton_2 (A1), Loser_4 (A2), Lozinak_14 (CQ1), Luchador_4 (A14), LunarLander_1 (A1), MA5_1 (A3), MK4_1 (A3), MPlant7149_2 (A1), MaGuCo_63 (AZ2), Mabodamaca_75 (EH), Magnar_1 (A1), Makemake_2 (A1), Malec_5 (A2), Manatee_2 (A1), Marcell_2 (A1), Marchy_2 (A1), Marco3_1 (A1), Marge_1 (A1), Margo_1 (A3), Maroc7_1 (A1), MaryBeth_2 (A1), Maureen_69 (AZ2), McGuire_2 (A1), McSinger_2 (A1), MetalQZJ_2 (A1), Michley_1 (A1), MiculUcigas_5 (A2), Miko_5 (A2), Miskis_16 (CQ1), MissSwiss_70 (AZ1), Mkhusele_1 (A1), Molly_2 (A1), Mollymur_10 (DL), Monet_2 (A1), Moose_1 (A1), Mryolo_1 (A1), Mudpuppy_68 (AZ1), Mule_1 (A1), Museum_3 (A1), NEHalo_2 (A1), NaSiaTalie_5 (A2), Naira_1 (A1), NearlyHeadless_1 (A8), Nerujay_1 (A1), Nhonho_2 (A1), Nibbles_67 (CT), NicoleTera_4 (A2), Niobe_69 (AZ1), Nitro_70 (AZ1), Niza_3 (A1), Noella_1 (A3), Norvs_14 (CQ1), Norz_2 (A1), ObiToo_74 (AZ1), Ohno789_1 (A1), OneUp_9 (CQ2), Oogway_1 (A1), 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), Pepe_2 (A1), Percival_75 (EH), Perseus_1 (A1), Peterson_1 (A1), Petp2012_2 (A1), Petruccio_2 (A1), PherrisBueller_2 (A1), Phillis_1 (A8), PhinkBoden_15 (CQ1), Phives_70 (AZ1), Phlippers_1 (A1), PinkPlastic_1 (A1), Pippin_2 (A1), Piro94_4 (A2), Pistachio_1 (A3), Pita2_2 (A1), Pixelle_68 (AZ1), Pocahontas_1 (A3), Poushou_54 (EO), Power_5 (A2), Powerpuff_71 (AZ1), ProMouse_1 (A1), Puppy_1 (A3), QTRlifeCrisis_1 (A1), QueenB2_5 (A2), QueenBeesly_5 (A2), Rachaly_5 (A2), Raid_3 (A1), Rajelicia_2 (A1), RedRock_4 (A2), Reedo_68 (AZ1), Refuge_4 (A12), ResDef_1 (A3), Retro23_5 (A2), Rhynn_1 (A1), RidgeCB_2 (A1), Ringer_1 (A1), Roary_1 (A8), Rohr_2 (A1), Rubeus_2 (A1), Rufus_2 (A1), Rutherford_1 (A1), STLscum_2 (A1), Sagefire_2 (A1), Saintus_1 (A8), Samy_101 (singleton), SarFire_2 (A1), Scowl_2 (A1), Seabiscuit_2 (A1), Seanderson_1 (A1), SemperFi_5 (A2), ShortQueendom_1 (A1), Sibs6_2 (A1), SkiPole_2 (A1), Sknot_6 (A2), Slagathor_2 (A1), Smairt_1 (A1), Smeadley_1 (A8), Smeagan_5 (A2), Smeagol_1 (A1), Smoothie_14 (CQ1), SnapTap_5 (A2), Snazzy_1 (A1), Snek_68 (AZ3), Solon_1 (A1), Soondubu_62 (AZ), SororFago_4 (A14), Sorpresa_1 (A1), SpeedDemon_90 (DL), SpikeBT_1 (A1), Squee_1 (A1), Steamy_4 (A12), Stephig9_1 (A8), StewieG_1 (A1), StrongArm_1 (A1), SuMoo_83 (EH), Subaru_69 (AZ), Sue2_68 (AZ1), Sumter_1 (A1), Sunshine924_1 (A1), Survivors_69 (CT), SweetiePie_5 (A2), SwissCheese_1 (A1), Switzer_2 (A1), Swole_2 (A1), TNguyen7_1 (A3), Tallboi_69 (AZ1), Target_2 (A1), TarsusIV_5 (A2), Tasp14_2 (A1), Tbone_69 (AZ1), Teodoridan_1 (A1), Terrific_6 (A2), TforTroy_69 (AZ1), TheloniousMonk_2 (A1), Thor_2 (A1), Tian_67 (AZ1), Timshel_1 (A7), Todacoro_1 (A3), Toniann_14 (CQ1), Topgun_1 (A1), Tote_2 (A1), TouchMeNot_54 (EO), Towmatter_9 (DL), Traft412_3 (A1), Treddle_2 (A1), Tripl3t_1 (A1), Trixie_4 (A2), Trooper_5 (A2), Tuck_69 (AZ1), Turab_68 (AZ1), Turbido_5 (A2), Turj99_1 (A1), Tutumahutu_71 (AZ1), Tweety19_69 (AZ3), TwoPeat_2 (A1), U2_2 (A1), Updawg_5 (A2), UtzChips_77 (EH), VA6_4 (A2), VResidence_72 (AZ1), Violet_2 (A1), Warda_70 (AZ1), Watermelon_2 (A1), WeiHuaDA_5 (A2), Whabigail7_5 (A2), Wheeler_2 (A1), WideWale_5 (A2), Wildwest_65 (AZ1), Wilkins_1 (A1), WilliamBoone_12 (CQ1), XianYue_4 (A2), Yang_68 (AZ1), Yecy3_4 (A9), YesChef_69 (AZ1), Yvonnestic_14 (DD), Zeeculate_1 (A1), Zephyr_1 (A1), Zeta1847_76 (EH), Zeuska_1 (A1),

Start 143:

- Found in 2 of 885 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 830
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Farewell_96 (AF), Sparky_95 (AF),

Start 144:

- Found in 9 of 885 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 830
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Airmid_1 (A5),

Start 145:

- Found in 2 of 885 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 830
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_85 (AG), Nergal_81 (AG),

Start 146:

- Found in 17 of 885 (1.9%) of genes in pham
- Manual Annotations of this start: 17 of 830
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Angelique_76 (CY1), Bradissa_76 (CY1), BritBrat_98 (CY2), Cashline_76 (CY), EMsquaredA_80 (CY1), EnalisNailo_76 (CY1), Floral_80 (CY1), Footloose_71 (singleton), Jablanski_82 (CY), LonelyBoi_78 (CY), LunaStella_101 (F4), Pollux_82 (CY1), Posh_79 (CY), Pytheas_83 (CY), Renaud18_112 (F4), TChen_101 (F4), Wrigley_81 (CY),

Start 147:

- Found in 6 of 885 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 830
- 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), MortyNRick_99 (DN),

Start 148:

- Found in 4 of 885 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 830
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abrogate_20 (A1), DreamCatcher_2 (A1), Ruotula_2 (A1), Sanya_1 (A1),

Start 149:

- Found in 25 of 885 (2.8%) of genes in pham
- Manual Annotations of this start: 3 of 830
- Called 12.0% of time when present
- Phage (with cluster) where this start called: Bachome_4 (A11), Ebony_4 (A11), Orange_4 (A11),

Start 150:

- Found in 4 of 885 (0.5%) of genes in pham

- Manual Annotations of this start: 1 of 830
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Mendokysei_63 (T),

Start 152:

- Found in 22 of 885 (2.5%) of genes in pham
- No Manual Annotations of this start.
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Jstan_70 (AZ1),

Summary by clusters:

There are 49 clusters represented in this pham: DN, singleton, BA, DD, DL, DN3, A7, CY1, A15, A14, A17, AZ, A11, A10, A12, A19, A18, A1, BD4, A3, A2, BD1, A4, BD3, A6, A9, CQ2, CQ1, A, CY2, EO, EH, AG, AF, BD2, CY, A16, T, A8, A5, CT, A20, F4, BD6, AZ1, AZ2, AZ3, AZ4, DN4,

Info for manual annotations of cluster A:

- Start number 142 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A1:

- Start number 106 was manually annotated 4 times for cluster A1.
- Start number 114 was manually annotated 1 time for cluster A1.
- Start number 123 was manually annotated 3 times for cluster A1.
- Start number 140 was manually annotated 1 time for cluster A1.
- Start number 142 was manually annotated 194 times for cluster A1.
- Start number 148 was manually annotated 3 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 127 was manually annotated 15 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 139 was manually annotated 19 times for cluster A11.
- Start number 149 was manually annotated 3 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 140 was manually annotated 3 times for cluster A12.
- Start number 142 was manually annotated 2 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 142 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 139 was manually annotated 21 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 139 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 141 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 142 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 139 was manually annotated 34 times for cluster A2.
- Start number 142 was manually annotated 67 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 129 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 123 was manually annotated 31 times for cluster A3.
- Start number 126 was manually annotated 3 times for cluster A3.
- Start number 129 was manually annotated 45 times for cluster A3.
- Start number 142 was manually annotated 18 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 88 was manually annotated 2 times for cluster A4.
- Start number 89 was manually annotated 1 time for cluster A4.
- Start number 138 was manually annotated 2 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 127 was manually annotated 25 times for cluster A5.
- Start number 144 was manually annotated 1 time for cluster A5.

Info for manual annotations of cluster A6:

- Start number 139 was manually annotated 41 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 133 was manually annotated 1 time for cluster A7.
- Start number 142 was manually annotated 3 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 142 was manually annotated 8 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 119 was manually annotated 3 times for cluster A9.
- Start number 139 was manually annotated 30 times for cluster A9.
- Start number 142 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AF:

- Start number 143 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 145 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AZ:

- Start number 142 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:

- Start number 142 was manually annotated 44 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 142 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 142 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 137 was manually annotated 2 times for cluster AZ4.
- Start number 142 was manually annotated 1 time for cluster AZ4.

Info for manual annotations of cluster BD1:

- Start number 63 was manually annotated 2 times for cluster BD1.
- Start number 69 was manually annotated 1 time for cluster BD1.
- Start number 121 was manually annotated 1 time for cluster BD1.
- Start number 139 was manually annotated 51 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 102 was manually annotated 1 time for cluster BD2.
- Start number 133 was manually annotated 1 time for cluster BD2.
- Start number 140 was manually annotated 29 times for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 58 was manually annotated 1 time for cluster BD3.
- Start number 140 was manually annotated 10 times for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 140 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 140 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster CQ1:

- Start number 142 was manually annotated 12 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 142 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CT:

- Start number 142 was manually annotated 6 times for cluster CT.

Info for manual annotations of cluster CY:

- Start number 146 was manually annotated 6 times for cluster CY.

Info for manual annotations of cluster CY1:

- Start number 146 was manually annotated 6 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 146 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DD:

- Start number 142 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:

- Start number 142 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 147 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN3:

- Start number 147 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 147 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster EH:

- Start number 142 was manually annotated 12 times for cluster EH.

Info for manual annotations of cluster EO:

- Start number 142 was manually annotated 3 times for cluster EO.

Info for manual annotations of cluster F4:

- Start number 146 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster T:

- Start number 72 was manually annotated 6 times for cluster T.
- Start number 150 was manually annotated 1 time for cluster T.

Gene Information:

Gene: 20ES_4 Start: 2483, Stop: 2779, Start Num: 142

Candidate Starts for 20ES_4:

(Start: 142 @2483 has 394 MA's),

Gene: 40AC_5 Start: 2296, Stop: 2592, Start Num: 142

Candidate Starts for 40AC_5:

(Start: 142 @2296 has 394 MA's), (170, 2413),

Gene: AEgle_67 Start: 42706, Stop: 43008, Start Num: 142

Candidate Starts for AEgle_67:

(Start: 142 @42706 has 394 MA's), (152, 42757), (157, 42772), (169, 42823), (180, 42898), (192, 42997),

Gene: AFIS_1 Start: 572, Stop: 895, Start Num: 123

Candidate Starts for AFIS_1:

(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 142 @599 has 394 MA's), (Start: 149 @632 has 3 MA's), (171, 722), (184, 812), (188, 848),

Gene: AN3_4 Start: 2464, Stop: 2760, Start Num: 142

Candidate Starts for AN3_4:

(Start: 142 @2464 has 394 MA's), (171, 2587),

Gene: AN9_4 Start: 2344, Stop: 2640, Start Num: 139

Candidate Starts for AN9_4:

(Start: 139 @2344 has 199 MA's),

Gene: ANI8_4 Start: 2344, Stop: 2640, Start Num: 139

Candidate Starts for ANI8_4:

(Start: 139 @2344 has 199 MA's),

Gene: Aaronocolus_2 Start: 740, Stop: 1054, Start Num: 139

Candidate Starts for Aaronocolus_2:

(65, 629), (90, 656), (Start: 139 @740 has 199 MA's), (174, 896),

Gene: AbbyPaige_5 Start: 2538, Stop: 2834, Start Num: 142

Candidate Starts for AbbyPaige_5:

(Start: 142 @2538 has 394 MA's), (171, 2661),

Gene: Abbysshoes_2 Start: 758, Stop: 1054, Start Num: 142

Candidate Starts for Abbysshoes_2:

(Start: 142 @758 has 394 MA's), (171, 881), (179, 935), (184, 971), (188, 1007),

Gene: Abrogate_20 Start: 1334, Stop: 1624, Start Num: 148

Candidate Starts for Abrogate_20:

(20, 899), (35, 1016), (74, 1172), (80, 1181), (82, 1184), (Start: 148 @1334 has 3 MA's), (151, 1361), (184, 1541), (188, 1577),

Gene: Abscondus_14 Start: 3104, Stop: 3412, Start Num: 142

Candidate Starts for Abscondus_14:

(118, 3074), (Start: 142 @3104 has 394 MA's), (190, 3368),

Gene: Acme_2 Start: 781, Stop: 1089, Start Num: 142

Candidate Starts for Acme_2:

(Start: 142 @781 has 394 MA's), (171, 904), (184, 994), (188, 1030),

Gene: Acolyte_4 Start: 2122, Stop: 2418, Start Num: 142

Candidate Starts for Acolyte_4:

(Start: 142 @2122 has 394 MA's),

Gene: Adahisdi_1 Start: 600, Stop: 896, Start Num: 142

Candidate Starts for Adahisdi_1:

(Start: 106 @537 has 4 MA's), (Start: 123 @573 has 34 MA's), (128, 582), (Start: 142 @600 has 394 MA's), (171, 723), (184, 813), (188, 849),

Gene: Adolin_71 Start: 42654, Stop: 42956, Start Num: 142

Candidate Starts for Adolin_71:

(Start: 142 @42654 has 394 MA's), (169, 42771), (180, 42846), (192, 42945),

Gene: Adumb2043_68 Start: 42731, Stop: 43033, Start Num: 142

Candidate Starts for Adumb2043_68:

(Start: 142 @42731 has 394 MA's), (152, 42782), (157, 42797), (169, 42848), (180, 42923), (192, 43022),

Gene: Adzzy_4 Start: 2160, Stop: 2456, Start Num: 139

Candidate Starts for Adzzy_4:

(Start: 139 @2160 has 199 MA's), (176, 2328), (181, 2355),

Gene: Aeneas_1 Start: 595, Stop: 891, Start Num: 142

Candidate Starts for Aeneas_1:

(Start: 106 @532 has 4 MA's), (Start: 123 @568 has 34 MA's), (128, 577), (Start: 138 @592 has 2 MA's), (Start: 142 @595 has 394 MA's), (171, 718), (184, 808), (188, 844),

Gene: Agape74_5 Start: 2538, Stop: 2834, Start Num: 142

Candidate Starts for Agape74_5:

(Start: 142 @2538 has 394 MA's), (171, 2661),

Gene: AgentM_1 Start: 504, Stop: 803, Start Num: 127

Candidate Starts for AgentM_1:

(55, 372), (Start: 127 @504 has 40 MA's), (167, 612), (177, 684), (186, 753), (196, 798),

Gene: Aglet_1 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for Aglet_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: AgronaGT15_1 Start: 518, Stop: 820, Start Num: 123

Candidate Starts for AgronaGT15_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Airmid_1 Start: 517, Stop: 801, Start Num: 144

Candidate Starts for Airmid_1:

(Start: 127 @502 has 40 MA's), (Start: 144 @517 has 1 MA's), (167, 610), (186, 751), (196, 796),

Gene: Ajay_1 Start: 596, Stop: 892, Start Num: 142

Candidate Starts for Ajay_1:

(Start: 106 @533 has 4 MA's), (Start: 123 @569 has 34 MA's), (128, 578), (Start: 138 @593 has 2 MA's), (Start: 142 @596 has 394 MA's), (171, 719), (184, 809), (188, 845),

Gene: Aliter_4 Start: 2335, Stop: 2628, Start Num: 139

Candidate Starts for Aliter_4:

(Start: 119 @2308 has 3 MA's), (Start: 139 @2335 has 199 MA's), (167, 2437), (171, 2455),

Gene: Alma_4 Start: 2333, Stop: 2626, Start Num: 139

Candidate Starts for Alma_4:

(Start: 119 @2306 has 3 MA's), (Start: 139 @2333 has 199 MA's), (167, 2435), (171, 2453),

Gene: Alsaber_3 Start: 970, Stop: 1284, Start Num: 140

Candidate Starts for Alsaber_3:

(134, 964), (Start: 140 @970 has 50 MA's), (157, 1039), (172, 1114), (176, 1147),

Gene: Alsfro_2 Start: 778, Stop: 1083, Start Num: 142

Candidate Starts for Alsfro_2:

(131, 763), (Start: 142 @778 has 394 MA's), (171, 901), (179, 955), (184, 991), (188, 1027),

Gene: Altman_3 Start: 1297, Stop: 1593, Start Num: 142

Candidate Starts for Altman_3:

(Start: 114 @1249 has 1 MA's), (Start: 142 @1297 has 394 MA's), (171, 1420), (184, 1510), (188, 1546),

Gene: Alvin_3 Start: 1213, Stop: 1509, Start Num: 142

Candidate Starts for Alvin_3:

(Start: 142 @1213 has 394 MA's), (171, 1336), (179, 1390), (184, 1426), (188, 1462),

Gene: Alvy_3 Start: 740, Stop: 1054, Start Num: 140

Candidate Starts for Alvy_3:

(Start: 140 @740 has 50 MA's), (172, 884),

Gene: Amela_2 Start: 787, Stop: 1275, Start Num: 58

Candidate Starts for Amela_2:

(Start: 58 @787 has 1 MA's), (59, 790), (61, 802), (64, 811), (Start: 88 @853 has 2 MA's), (92, 859), (134, 955), (Start: 140 @961 has 50 MA's), (157, 1030), (172, 1105), (176, 1138),

Gene: Amethyst_2 Start: 650, Stop: 964, Start Num: 140

Candidate Starts for Amethyst_2:

(Start: 133 @641 has 2 MA's), (Start: 140 @650 has 50 MA's), (165, 755), (172, 794), (176, 827),

Gene: Amyev_68 Start: 43916, Stop: 44218, Start Num: 142

Candidate Starts for Amyev_68:

(Start: 142 @43916 has 394 MA's), (157, 43982), (169, 44033), (177, 44099), (192, 44207),

Gene: Anaysia_4 Start: 2278, Stop: 2574, Start Num: 139

Candidate Starts for Anaysia_4:

(Start: 139 @2278 has 199 MA's), (161, 2368),

Gene: Andris_2 Start: 682, Stop: 996, Start Num: 140

Candidate Starts for Andris_2:

(Start: 140 @682 has 50 MA's), (172, 826), (176, 859),

Gene: Aneem_4 Start: 2356, Stop: 2652, Start Num: 139

Candidate Starts for Aneem_4:

(Start: 139 @2356 has 199 MA's), (Start: 149 @2389 has 3 MA's), (161, 2446), (196, 2647),

Gene: Angelique_76 Start: 50625, Stop: 50915, Start Num: 146

Candidate Starts for Angelique_76:

(8, 50097), (12, 50157), (14, 50160), (19, 50208), (27, 50289), (31, 50322), (40, 50376), (42, 50388), (96, 50526), (Start: 146 @50625 has 17 MA's),

Gene: Anglerfish_2 Start: 747, Stop: 1043, Start Num: 142

Candidate Starts for Anglerfish_2:

(Start: 142 @747 has 394 MA's), (171, 870), (184, 960), (188, 996),

Gene: Animus_3 Start: 1027, Stop: 1341, Start Num: 140

Candidate Starts for Animus_3:

(Start: 140 @1027 has 50 MA's), (157, 1096), (172, 1171),

Gene: AnnaL29_4 Start: 2278, Stop: 2574, Start Num: 142

Candidate Starts for AnnaL29_4:

(Start: 142 @2278 has 394 MA's), (171, 2401),

Gene: Anon_4 Start: 2182, Stop: 2478, Start Num: 139

Candidate Starts for Anon_4:

(Start: 139 @2182 has 199 MA's), (172, 2317),

Gene: Anselm_5 Start: 2674, Stop: 2970, Start Num: 142

Candidate Starts for Anselm_5:

(Start: 142 @2674 has 394 MA's), (171, 2797),

Gene: Anthony_1 Start: 406, Stop: 699, Start Num: 129

Candidate Starts for Anthony_1:

(Start: 129 @406 has 46 MA's),

Gene: Anubis_3 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for Anubis_3:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Aphelion_14 Start: 3268, Stop: 3576, Start Num: 142

Candidate Starts for Aphelion_14:

(118, 3238), (Start: 142 @3268 has 394 MA's), (180, 3460), (190, 3532),

Gene: Applejack_1 Start: 597, Stop: 893, Start Num: 142

Candidate Starts for Applejack_1:

(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Apricot_101 Start: 51816, Stop: 52109, Start Num: 147

Candidate Starts for Apricot_101:

(74, 51666), (Start: 147 @51816 has 5 MA's),

Gene: Aragog_1 Start: 534, Stop: 833, Start Num: 127

Candidate Starts for Aragog_1:

(55, 372), (Start: 127 @534 has 40 MA's), (167, 642), (177, 714), (186, 783), (196, 828),

Gene: Arcanine_2 Start: 750, Stop: 1046, Start Num: 142

Candidate Starts for Arcanine_2:

(Start: 142 @750 has 394 MA's), (171, 873), (184, 963), (188, 999),

Gene: ArcherNM_4 Start: 2293, Stop: 2589, Start Num: 142

Candidate Starts for ArcherNM_4:

(Start: 142 @2293 has 394 MA's),

Gene: Archetta_1 Start: 534, Stop: 833, Start Num: 127

Candidate Starts for Archetta_1:

(55, 372), (Start: 127 @534 has 40 MA's), (167, 642), (177, 714), (186, 783), (196, 828),

Gene: Arianna_54 Start: 40153, Stop: 40458, Start Num: 142

Candidate Starts for Arianna_54:

(Start: 142 @40153 has 394 MA's), (160, 40228), (163, 40249), (176, 40330),

Gene: Arissanae_4 Start: 2121, Stop: 2414, Start Num: 139

Candidate Starts for Arissanae_4:

(Start: 139 @2121 has 199 MA's), (167, 2223), (171, 2241),

Gene: Arlo_2 Start: 747, Stop: 1043, Start Num: 142

Candidate Starts for Arlo_2:

(Start: 142 @747 has 394 MA's), (171, 870), (184, 960), (188, 996),

Gene: Artemis2UCLA_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Artemis2UCLA_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Asa16_69 Start: 43233, Stop: 43535, Start Num: 142

Candidate Starts for Asa16_69:

(Start: 142 @43233 has 394 MA's), (152, 43284), (157, 43299), (169, 43350), (180, 43425), (192, 43524),

Gene: Ascela_71 Start: 43822, Stop: 44124, Start Num: 142

Candidate Starts for Ascela_71:

(Start: 142 @43822 has 394 MA's), (157, 43888), (169, 43939), (180, 44014), (192, 44113),

Gene: Ashballe_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for Ashballe_1:

(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Asten_2 Start: 729, Stop: 1040, Start Num: 139

Candidate Starts for Asten_2:

(Start: 63 @588 has 2 MA's), (77, 627), (Start: 139 @729 has 199 MA's), (158, 801), (174, 882),

Gene: Astro_1 Start: 505, Stop: 798, Start Num: 142

Candidate Starts for Astro_1:

(Start: 142 @505 has 394 MA's), (161, 592), (177, 679), (188, 757), (196, 793),

Gene: Atkinbua_1 Start: 597, Stop: 893, Start Num: 142

Candidate Starts for Atkinbua_1:

(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Attoomi_53 Start: 41445, Stop: 41750, Start Num: 142

Candidate Starts for Attoomi_53:

(Start: 142 @41445 has 394 MA's), (161, 41532), (162, 41538), (171, 41577), (172, 41589),

Gene: AugsMagnumOpus_3 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for AugsMagnumOpus_3:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Axiom_3 Start: 679, Stop: 993, Start Num: 140

Candidate Starts for Axiom_3:

(Start: 140 @679 has 50 MA's), (172, 823),

Gene: Azira_67 Start: 45015, Stop: 45332, Start Num: 142

Candidate Starts for Azira_67:

(Start: 142 @45015 has 394 MA's), (174, 45153), (183, 45222),

Gene: BABullseye_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for BABullseye_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: BPBiabs31_2 Start: 832, Stop: 1128, Start Num: 142

Candidate Starts for BPBiabs31_2:

(Start: 114 @784 has 1 MA's), (Start: 142 @832 has 394 MA's), (171, 955), (184, 1045), (188, 1081),

Gene: BabyBack_4 Start: 2096, Stop: 2392, Start Num: 139

Candidate Starts for BabyBack_4:
(Start: 139 @2096 has 199 MA's),

Gene: BabyRay_1 Start: 458, Stop: 754, Start Num: 142
Candidate Starts for BabyRay_1:
(122, 449), (Start: 142 @458 has 394 MA's), (172, 593),

Gene: Bachita_15 Start: 3780, Stop: 4088, Start Num: 142
Candidate Starts for Bachita_15:
(118, 3750), (Start: 142 @3780 has 394 MA's), (190, 4044),

Gene: Bachome_4 Start: 2386, Stop: 2649, Start Num: 149
Candidate Starts for Bachome_4:
(Start: 139 @2353 has 199 MA's), (Start: 149 @2386 has 3 MA's), (161, 2443), (196, 2644),

Gene: BaconJack_2 Start: 750, Stop: 1046, Start Num: 142
Candidate Starts for BaconJack_2:
(Start: 142 @750 has 394 MA's), (171, 873), (184, 963), (188, 999),

Gene: Bactobuster_4 Start: 2106, Stop: 2402, Start Num: 139
Candidate Starts for Bactobuster_4:
(Start: 139 @2106 has 199 MA's), (163, 2205), (181, 2301),

Gene: Baehexic_5 Start: 2625, Stop: 2921, Start Num: 142
Candidate Starts for Baehexic_5:
(57, 2424), (Start: 142 @2625 has 394 MA's),

Gene: Bantam_8 Start: 4561, Stop: 4869, Start Num: 142
Candidate Starts for Bantam_8:
(132, 4546), (Start: 142 @4561 has 394 MA's), (160, 4633), (173, 4699),

Gene: Barnstormer_77 Start: 46434, Stop: 46733, Start Num: 142
Candidate Starts for Barnstormer_77:
(116, 46389), (Start: 142 @46434 has 394 MA's), (166, 46542), (169, 46551),

Gene: Barriga_2 Start: 749, Stop: 1045, Start Num: 142
Candidate Starts for Barriga_2:
(Start: 142 @749 has 394 MA's), (171, 872), (184, 962), (188, 998),

Gene: BarrowTuph_1 Start: 598, Stop: 894, Start Num: 142
Candidate Starts for BarrowTuph_1:
(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 138 @595 has 2 MA's), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: BarryBee_3 Start: 729, Stop: 1040, Start Num: 139
Candidate Starts for BarryBee_3:
(Start: 63 @588 has 2 MA's), (77, 627), (Start: 139 @729 has 199 MA's), (158, 801), (174, 882),

Gene: BartholomewSD_3 Start: 740, Stop: 1054, Start Num: 140
Candidate Starts for BartholomewSD_3:
(Start: 140 @740 has 50 MA's), (172, 884),

Gene: Battleship_5 Start: 2425, Stop: 2721, Start Num: 139

Candidate Starts for Battleship_5:
(Start: 139 @2425 has 199 MA's), (161, 2515),

Gene: BearBQ_102 Start: 54695, Stop: 54988, Start Num: 147
Candidate Starts for BearBQ_102:
(68, 54524), (Start: 147 @54695 has 5 MA's),

Gene: BeardedLady_2 Start: 739, Stop: 1053, Start Num: 139
Candidate Starts for BeardedLady_2:
(Start: 139 @739 has 199 MA's), (174, 895),

Gene: Beatrix_1 Start: 599, Stop: 895, Start Num: 142
Candidate Starts for Beatrix_1:
(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 138 @596 has 2 MA's), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: Beauxregard13_1 Start: 526, Stop: 819, Start Num: 129
Candidate Starts for Beauxregard13_1:
(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Beemo_4 Start: 2336, Stop: 2629, Start Num: 139
Candidate Starts for Beemo_4:
(Start: 119 @2309 has 3 MA's), (Start: 139 @2336 has 199 MA's), (167, 2438), (171, 2456),

Gene: BeesKnees_2 Start: 751, Stop: 1047, Start Num: 142
Candidate Starts for BeesKnees_2:
(Start: 142 @751 has 394 MA's), (171, 874), (179, 928), (184, 964), (188, 1000),

Gene: Benedict_1 Start: 503, Stop: 802, Start Num: 127
Candidate Starts for Benedict_1:
(Start: 127 @503 has 40 MA's), (Start: 144 @518 has 1 MA's), (167, 611), (186, 752), (196, 797),

Gene: BengiVuitton_4 Start: 2325, Stop: 2621, Start Num: 142
Candidate Starts for BengiVuitton_4:
(Start: 142 @2325 has 394 MA's), (171, 2448),

Gene: Benvolio_5 Start: 2672, Stop: 2968, Start Num: 142
Candidate Starts for Benvolio_5:
(Start: 142 @2672 has 394 MA's), (171, 2795),

Gene: Bernal13_59 Start: 40895, Stop: 41194, Start Num: 72
Candidate Starts for Bernal13_59:
(Start: 72 @40895 has 6 MA's), (174, 41018),

Gene: Berrie_69 Start: 43434, Stop: 43736, Start Num: 142
Candidate Starts for Berrie_69:
(Start: 142 @43434 has 394 MA's), (157, 43500), (169, 43551), (180, 43626), (192, 43725),

Gene: Bethlehem_2 Start: 748, Stop: 1044, Start Num: 142
Candidate Starts for Bethlehem_2:
(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: Bexan_1 Start: 599, Stop: 895, Start Num: 142

Candidate Starts for Bexan_1:

(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 138 @596 has 2 MA's), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: BiancaTri92_4 Start: 2316, Stop: 2612, Start Num: 142

Candidate Starts for BiancaTri92_4:

(Start: 142 @2316 has 394 MA's), (170, 2433),

Gene: Big3_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for Big3_1:

(Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: BigMau_3 Start: 748, Stop: 1044, Start Num: 142

Candidate Starts for BigMau_3:

(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: BigPaolini_1 Start: 596, Stop: 892, Start Num: 142

Candidate Starts for BigPaolini_1:

(Start: 123 @569 has 34 MA's), (128, 578), (Start: 142 @596 has 394 MA's), (171, 719), (184, 809), (188, 845),

Gene: Bigchungi_1 Start: 597, Stop: 893, Start Num: 142

Candidate Starts for Bigchungi_1:

(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Bigfoot_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for Bigfoot_1:

(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: BillKnuckles_2 Start: 748, Stop: 1044, Start Num: 142

Candidate Starts for BillKnuckles_2:

(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: Bircsak_2 Start: 835, Stop: 1131, Start Num: 142

Candidate Starts for Bircsak_2:

(Start: 114 @787 has 1 MA's), (Start: 142 @835 has 394 MA's), (171, 958), (184, 1048), (188, 1084),

Gene: Birdsong_96 Start: 52683, Stop: 52976, Start Num: 147

Candidate Starts for Birdsong_96:

(68, 52512), (Start: 147 @52683 has 5 MA's),

Gene: Blinn1_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Blinn1_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: BluSpix_1 Start: 597, Stop: 893, Start Num: 142

Candidate Starts for BluSpix_1:

(Start: 123 @570 has 34 MA's), (128, 579), (Start: 138 @594 has 2 MA's), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Blue_3 Start: 1232, Stop: 1528, Start Num: 142
Candidate Starts for Blue_3:
(131, 1217), (Start: 142 @1232 has 394 MA's), (171, 1355), (184, 1445), (188, 1481),

Gene: Blue7_4 Start: 2132, Stop: 2428, Start Num: 139
Candidate Starts for Blue7_4:
(Start: 139 @2132 has 199 MA's), (172, 2267),

Gene: BlueBird_1 Start: 420, Stop: 716, Start Num: 142
Candidate Starts for BlueBird_1:
(Start: 142 @420 has 394 MA's), (172, 555),

Gene: Bob3_2 Start: 748, Stop: 1044, Start Num: 142
Candidate Starts for Bob3_2:
(Start: 142 @748 has 394 MA's), (184, 961), (188, 997),

Gene: BobSwaget_5 Start: 2538, Stop: 2834, Start Num: 142
Candidate Starts for BobSwaget_5:
(Start: 142 @2538 has 394 MA's),

Gene: BogosyJay_4 Start: 2102, Stop: 2395, Start Num: 139
Candidate Starts for BogosyJay_4:
(Start: 139 @2102 has 199 MA's), (167, 2204), (171, 2222),

Gene: Bones_1 Start: 598, Stop: 894, Start Num: 142
Candidate Starts for Bones_1:
(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Boohoo_4 Start: 2278, Stop: 2574, Start Num: 139
Candidate Starts for Boohoo_4:
(Start: 139 @2278 has 199 MA's), (161, 2368),

Gene: Bovely_2 Start: 740, Stop: 1054, Start Num: 139
Candidate Starts for Bovely_2:
(65, 629), (90, 656), (Start: 139 @740 has 199 MA's), (174, 896),

Gene: Bowden_2 Start: 639, Stop: 953, Start Num: 140
Candidate Starts for Bowden_2:
(Start: 140 @639 has 50 MA's), (172, 783),

Gene: Bowtie_4 Start: 2356, Stop: 2652, Start Num: 139
Candidate Starts for Bowtie_4:
(Start: 139 @2356 has 199 MA's), (Start: 149 @2389 has 3 MA's), (161, 2446), (196, 2647),

Gene: Bradissa_76 Start: 51528, Stop: 51818, Start Num: 146
Candidate Starts for Bradissa_76:
(Start: 146 @51528 has 17 MA's),

Gene: Brataylor_2 Start: 590, Stop: 1036, Start Num: 63
Candidate Starts for Brataylor_2:
(60, 581), (Start: 63 @590 has 2 MA's), (Start: 139 @725 has 199 MA's), (158, 797), (164, 827), (171, 854),

Gene: BreSam8_1 Start: 518, Stop: 820, Start Num: 123
Candidate Starts for BreSam8_1:
(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: BritBrat_98 Start: 55168, Stop: 55455, Start Num: 146
Candidate Starts for BritBrat_98:
(84, 55045), (111, 55111), (Start: 114 @55117 has 1 MA's), (Start: 146 @55168 has 17 MA's),

Gene: Briton15_2 Start: 748, Stop: 1044, Start Num: 142
Candidate Starts for Briton15_2:
(Start: 142 @748 has 394 MA's), (171, 871), (179, 925), (184, 961), (188, 997),

Gene: BroPlease_1 Start: 591, Stop: 905, Start Num: 140
Candidate Starts for BroPlease_1:
(Start: 140 @591 has 50 MA's), (168, 708), (172, 735), (185, 837), (196, 900),

Gene: Bruns_1 Start: 596, Stop: 892, Start Num: 142
Candidate Starts for Bruns_1:
(Start: 106 @533 has 4 MA's), (Start: 123 @569 has 34 MA's), (128, 578), (Start: 142 @596 has 394 MA's), (171, 719), (179, 773), (184, 809), (188, 845),

Gene: BrutonGaster_7 Start: 1661, Stop: 1969, Start Num: 142
Candidate Starts for BrutonGaster_7:
(84, 1544), (110, 1613), (Start: 142 @1661 has 394 MA's), (176, 1835), (182, 1871), (190, 1925), (198, 1961),

Gene: BryanRecycles_2 Start: 746, Stop: 1060, Start Num: 139
Candidate Starts for BryanRecycles_2:
(99, 668), (Start: 139 @746 has 199 MA's), (174, 902),

Gene: Bud_4 Start: 2362, Stop: 2658, Start Num: 139
Candidate Starts for Bud_4:
(Start: 139 @2362 has 199 MA's), (Start: 149 @2395 has 3 MA's), (161, 2452), (196, 2653),

Gene: Buggy_5 Start: 2549, Stop: 2845, Start Num: 142
Candidate Starts for Buggy_5:
(Start: 142 @2549 has 394 MA's), (171, 2672),

Gene: Burton_2 Start: 750, Stop: 1046, Start Num: 142
Candidate Starts for Burton_2:
(Start: 142 @750 has 394 MA's), (184, 963), (188, 999),

Gene: Buttons_2 Start: 748, Stop: 1044, Start Num: 142
Candidate Starts for Buttons_2:
(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: Bxb1_1 Start: 599, Stop: 895, Start Num: 142
Candidate Starts for Bxb1_1:
(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: Bxz2_1 Start: 537, Stop: 830, Start Num: 129

Candidate Starts for Bxz2_1:
(Start: 123 @528 has 34 MA's), (Start: 129 @537 has 46 MA's), (157, 603),

Gene: C3_04 Start: 2344, Stop: 2640, Start Num: 139
Candidate Starts for C3_04:
(Start: 139 @2344 has 199 MA's),

Gene: CRB1_4 Start: 2473, Stop: 2769, Start Num: 142
Candidate Starts for CRB1_4:
(Start: 142 @2473 has 394 MA's), (171, 2596),

Gene: CactusRose_1 Start: 598, Stop: 894, Start Num: 142
Candidate Starts for CactusRose_1:
(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Caelum_3 Start: 669, Stop: 983, Start Num: 140
Candidate Starts for Caelum_3:
(Start: 127 @651 has 40 MA's), (Start: 133 @660 has 2 MA's), (Start: 140 @669 has 50 MA's), (172, 813), (176, 846),

Gene: Caliburn_2 Start: 739, Stop: 1053, Start Num: 139
Candidate Starts for Caliburn_2:
(Start: 139 @739 has 199 MA's), (174, 895),

Gene: Cardigan_14 Start: 3818, Stop: 4126, Start Num: 142
Candidate Starts for Cardigan_14:
(Start: 142 @3818 has 394 MA's), (176, 3992), (180, 4010), (183, 4031),

Gene: Carlyle_2 Start: 778, Stop: 1074, Start Num: 142
Candidate Starts for Carlyle_2:
(131, 763), (Start: 142 @778 has 394 MA's), (171, 901), (179, 955), (184, 991), (188, 1027),

Gene: Caron_82 Start: 47300, Stop: 47599, Start Num: 142
Candidate Starts for Caron_82:
(7, 46730), (11, 46799), (15, 46829), (26, 46961), (29, 46979), (56, 47102), (124, 47273), (Start: 142 @47300 has 394 MA's), (166, 47408), (169, 47417),

Gene: Cashline_76 Start: 52028, Stop: 52315, Start Num: 146
Candidate Starts for Cashline_76:
(38, 51776), (84, 51905), (111, 51971), (Start: 114 @51977 has 1 MA's), (117, 51983), (Start: 146 @52028 has 17 MA's), (Start: 150 @52058 has 1 MA's),

Gene: Cassia_68 Start: 43117, Stop: 43419, Start Num: 142
Candidate Starts for Cassia_68:
(Start: 142 @43117 has 394 MA's), (157, 43183), (180, 43309), (192, 43408),

Gene: Catalina_4 Start: 2335, Stop: 2628, Start Num: 139
Candidate Starts for Catalina_4:
(Start: 119 @2308 has 3 MA's), (Start: 139 @2335 has 199 MA's), (167, 2437), (171, 2455),

Gene: Caviar_1 Start: 445, Stop: 741, Start Num: 142
Candidate Starts for Caviar_1:

(Start: 142 @445 has 394 MA's), (172, 580),

Gene: Celery_4 Start: 962, Stop: 1276, Start Num: 140

Candidate Starts for Celery_4:

(61, 803), (64, 812), (Start: 88 @854 has 2 MA's), (92, 860), (134, 956), (Start: 140 @962 has 50 MA's), (157, 1031), (172, 1106), (176, 1139),

Gene: Celeste_2 Start: 725, Stop: 1036, Start Num: 139

Candidate Starts for Celeste_2:

(60, 581), (Start: 63 @590 has 2 MA's), (Start: 139 @725 has 199 MA's), (158, 797), (164, 827), (171, 854),

Gene: Celia_2 Start: 744, Stop: 1058, Start Num: 140

Candidate Starts for Celia_2:

(Start: 140 @744 has 50 MA's), (172, 888),

Gene: Centaur_5 Start: 2621, Stop: 2917, Start Num: 142

Candidate Starts for Centaur_5:

(57, 2420), (Start: 142 @2621 has 394 MA's),

Gene: Cerulean_1 Start: 461, Stop: 763, Start Num: 138

Candidate Starts for Cerulean_1:

(Start: 138 @461 has 2 MA's), (157, 536), (188, 722),

Gene: Chadwick_1 Start: 501, Stop: 800, Start Num: 127

Candidate Starts for Chadwick_1:

(Start: 127 @501 has 40 MA's), (Start: 144 @516 has 1 MA's), (167, 609), (186, 750), (196, 795),

Gene: ChampagnePapi_1 Start: 355, Stop: 762, Start Num: 88

Candidate Starts for ChampagnePapi_1:

(Start: 88 @355 has 2 MA's), (Start: 138 @460 has 2 MA's), (157, 535), (188, 721),

Gene: Chanagan_2 Start: 749, Stop: 1045, Start Num: 142

Candidate Starts for Chanagan_2:

(Start: 142 @749 has 394 MA's), (171, 872), (184, 962), (188, 998),

Gene: Changeling_4 Start: 2293, Stop: 2589, Start Num: 142

Candidate Starts for Changeling_4:

(Start: 142 @2293 has 394 MA's),

Gene: Chargerpower_5 Start: 2445, Stop: 2744, Start Num: 142

Candidate Starts for Chargerpower_5:

(Start: 142 @2445 has 394 MA's),

Gene: Charm_4 Start: 2108, Stop: 2401, Start Num: 139

Candidate Starts for Charm_4:

(Start: 139 @2108 has 199 MA's), (161, 2195), (167, 2210), (171, 2228),

Gene: Che12_4 Start: 2115, Stop: 2411, Start Num: 139

Candidate Starts for Che12_4:

(Start: 139 @2115 has 199 MA's),

Gene: ChipMunk_5 Start: 2559, Stop: 2855, Start Num: 142

Candidate Starts for ChipMunk_5:
(Start: 142 @2559 has 394 MA's), (171, 2682),

Gene: Chucky_2 Start: 730, Stop: 1041, Start Num: 139
Candidate Starts for Chucky_2:
(Start: 63 @589 has 2 MA's), (77, 628), (Start: 139 @730 has 199 MA's), (158, 802), (174, 883),

Gene: Chupacabra_1 Start: 460, Stop: 756, Start Num: 127
Candidate Starts for Chupacabra_1:
(Start: 127 @460 has 40 MA's),

Gene: Ciao_1 Start: 598, Stop: 906, Start Num: 142
Candidate Starts for Ciao_1:
(107, 535), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721),
(184, 811), (188, 847),

Gene: Cindaradix_1 Start: 358, Stop: 765, Start Num: 89
Candidate Starts for Cindaradix_1:
(Start: 89 @358 has 1 MA's), (157, 538), (188, 724),

Gene: CloudWang3_4 Start: 2143, Stop: 2439, Start Num: 139
Candidate Starts for CloudWang3_4:
(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: ClubL_14 Start: 3280, Stop: 3588, Start Num: 142
Candidate Starts for ClubL_14:
(118, 3250), (Start: 142 @3280 has 394 MA's), (190, 3544),

Gene: Colbster_1 Start: 517, Stop: 819, Start Num: 123
Candidate Starts for Colbster_1:
(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Colin_5 Start: 2440, Stop: 2736, Start Num: 142
Candidate Starts for Colin_5:
(Start: 142 @2440 has 394 MA's), (171, 2563),

Gene: Community_70 Start: 43720, Stop: 44022, Start Num: 142
Candidate Starts for Community_70:
(Start: 142 @43720 has 394 MA's), (157, 43786), (169, 43837), (180, 43912), (192, 44011),

Gene: Conan_4 Start: 975, Stop: 1289, Start Num: 140
Candidate Starts for Conan_4:
(60, 822), (76, 855), (84, 861), (Start: 88 @867 has 2 MA's), (134, 969), (Start: 140 @975 has 50 MA's), (157, 1044), (172, 1119), (176, 1152),

Gene: ConceptII_2 Start: 835, Stop: 1131, Start Num: 142
Candidate Starts for ConceptII_2:
(Start: 114 @787 has 1 MA's), (Start: 142 @835 has 394 MA's), (171, 958), (184, 1048), (188, 1084),

Gene: Conquerage_4 Start: 2332, Stop: 2625, Start Num: 139
Candidate Starts for Conquerage_4:
(Start: 119 @2305 has 3 MA's), (Start: 139 @2332 has 199 MA's), (167, 2434), (171, 2452),

Gene: Conspiracy_1 Start: 535, Stop: 834, Start Num: 127
Candidate Starts for Conspiracy_1:
(Start: 127 @535 has 40 MA's), (167, 643), (177, 715), (186, 784), (196, 829),

Gene: Coog_1 Start: 503, Stop: 802, Start Num: 127
Candidate Starts for Coog_1:
(53, 368), (Start: 127 @503 has 40 MA's), (167, 611), (177, 683), (186, 752), (196, 797),

Gene: Cookiedough_4 Start: 2143, Stop: 2439, Start Num: 139
Candidate Starts for Cookiedough_4:
(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Corvo_2 Start: 751, Stop: 1047, Start Num: 142
Candidate Starts for Corvo_2:
(Start: 142 @751 has 394 MA's), (171, 874), (184, 964), (188, 1000),

Gene: Crater_100 Start: 52160, Stop: 52453, Start Num: 147
Candidate Starts for Crater_100:
(74, 52010), (Start: 147 @52160 has 5 MA's),

Gene: Crewmate_74 Start: 43978, Stop: 44280, Start Num: 142
Candidate Starts for Crewmate_74:
(Start: 142 @43978 has 394 MA's), (180, 44170), (192, 44269),

Gene: Crispicious1_1 Start: 599, Stop: 895, Start Num: 142
Candidate Starts for Crispicious1_1:
(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: Crucio_5 Start: 2567, Stop: 2863, Start Num: 142
Candidate Starts for Crucio_5:
(Start: 142 @2567 has 394 MA's), (171, 2690),

Gene: Cuco_1 Start: 533, Stop: 832, Start Num: 127
Candidate Starts for Cuco_1:
(55, 371), (Start: 127 @533 has 40 MA's), (167, 641), (177, 713), (186, 782), (196, 827),

Gene: Cucurbita_13 Start: 3280, Stop: 3588, Start Num: 142
Candidate Starts for Cucurbita_13:
(118, 3250), (Start: 142 @3280 has 394 MA's), (190, 3544),

Gene: Cueylyss_1 Start: 598, Stop: 894, Start Num: 142
Candidate Starts for Cueylyss_1:
(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Cullens_1 Start: 517, Stop: 819, Start Num: 123
Candidate Starts for Cullens_1:
(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Culver_13 Start: 3104, Stop: 3412, Start Num: 142
Candidate Starts for Culver_13:
(118, 3074), (Start: 142 @3104 has 394 MA's), (190, 3368),

Gene: Cyan_70 Start: 43301, Stop: 43603, Start Num: 142

Candidate Starts for Cyan_70:

(Start: 142 @43301 has 394 MA's), (152, 43352), (157, 43367), (169, 43418), (180, 43493), (192, 43592),

Gene: D29_4 Start: 2345, Stop: 2641, Start Num: 139

Candidate Starts for D29_4:

(Start: 139 @2345 has 199 MA's),

Gene: D32_4 Start: 2345, Stop: 2641, Start Num: 139

Candidate Starts for D32_4:

(Start: 139 @2345 has 199 MA's),

Gene: DBQu4n_4 Start: 2345, Stop: 2641, Start Num: 139

Candidate Starts for DBQu4n_4:

(Start: 139 @2345 has 199 MA's),

Gene: DD5_2 Start: 739, Stop: 1035, Start Num: 142

Candidate Starts for DD5_2:

(Start: 142 @739 has 394 MA's), (171, 862), (179, 916), (184, 952), (188, 988),

Gene: DaHudson_1 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for DaHudson_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: DaVinci_4 Start: 2144, Stop: 2440, Start Num: 139

Candidate Starts for DaVinci_4:

(Start: 139 @2144 has 199 MA's), (172, 2279),

Gene: Daishi_1 Start: 518, Stop: 820, Start Num: 123

Candidate Starts for Daishi_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Dalmatian_5 Start: 2671, Stop: 2967, Start Num: 142

Candidate Starts for Dalmatian_5:

(Start: 142 @2671 has 394 MA's), (171, 2794),

Gene: Danzina_2 Start: 679, Stop: 1011, Start Num: 121

Candidate Starts for Danzina_2:

(1, 34), (3, 43), (5, 70), (6, 142), (30, 406), (41, 466), (48, 490), (50, 499), (107, 649), (Start: 121 @679 has 1 MA's), (Start: 139 @700 has 199 MA's), (162, 796), (164, 802), (171, 829), (180, 892),

Gene: Daredevil_10 Start: 3047, Stop: 3349, Start Num: 142

Candidate Starts for Daredevil_10:

(Start: 142 @3047 has 394 MA's), (155, 3104), (157, 3107), (176, 3215),

Gene: Darrell_4 Start: 2217, Stop: 2510, Start Num: 139

Candidate Starts for Darrell_4:

(Start: 139 @2217 has 199 MA's), (167, 2319), (171, 2337),

Gene: DarthPhader_4 Start: 2246, Stop: 2542, Start Num: 140

Candidate Starts for DarthPhader_4:

(Start: 140 @2246 has 50 MA's),

Gene: DatBoi_9 Start: 5103, Stop: 5411, Start Num: 142

Candidate Starts for DatBoi_9:

(78, 4968), (97, 5004), (Start: 142 @5103 has 394 MA's), (160, 5175), (198, 5400),

Gene: Dattran_2 Start: 723, Stop: 1034, Start Num: 139

Candidate Starts for Dattran_2:

(Start: 63 @588 has 2 MA's), (Start: 139 @723 has 199 MA's), (158, 795), (164, 825), (171, 852), (180, 915),

Gene: Daudau_2 Start: 579, Stop: 968, Start Num: 102

Candidate Starts for Daudau_2:

(Start: 102 @579 has 1 MA's), (Start: 133 @645 has 2 MA's), (Start: 140 @654 has 50 MA's), (172, 798),

Gene: DekHockey33_4 Start: 2425, Stop: 2721, Start Num: 139

Candidate Starts for DekHockey33_4:

(Start: 139 @2425 has 199 MA's), (161, 2515),

Gene: Deloris_4 Start: 2325, Stop: 2621, Start Num: 142

Candidate Starts for Deloris_4:

(Start: 142 @2325 has 394 MA's), (171, 2448),

Gene: Dexes_2 Start: 782, Stop: 1078, Start Num: 142

Candidate Starts for Dexes_2:

(Start: 142 @782 has 394 MA's), (171, 905), (184, 995), (188, 1031),

Gene: Diane_2 Start: 652, Stop: 966, Start Num: 140

Candidate Starts for Diane_2:

(Start: 133 @643 has 2 MA's), (Start: 140 @652 has 50 MA's), (172, 796), (176, 829),

Gene: Dieselweasel_1 Start: 517, Stop: 819, Start Num: 123

Candidate Starts for Dieselweasel_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Dignity_5 Start: 2547, Stop: 2843, Start Num: 142

Candidate Starts for Dignity_5:

(Start: 142 @2547 has 394 MA's), (171, 2670),

Gene: Discoknowium_1 Start: 534, Stop: 833, Start Num: 127

Candidate Starts for Discoknowium_1:

(55, 372), (Start: 127 @534 has 40 MA's), (167, 642), (177, 714), (186, 783), (196, 828),

Gene: Dixon_1 Start: 505, Stop: 798, Start Num: 142

Candidate Starts for Dixon_1:

(Start: 142 @505 has 394 MA's), (161, 592), (177, 679), (188, 757), (196, 793),

Gene: Doom_1 Start: 596, Stop: 892, Start Num: 142

Candidate Starts for Doom_1:

(Start: 123 @569 has 34 MA's), (128, 578), (Start: 142 @596 has 394 MA's), (171, 719), (184, 809), (188, 845),

Gene: Dorothea_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Dorothea_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: DrFeelGood_1 Start: 596, Stop: 892, Start Num: 142

Candidate Starts for DrFeelGood_1:

(Start: 106 @533 has 4 MA's), (Start: 123 @569 has 34 MA's), (128, 578), (Start: 142 @596 has 394 MA's), (171, 719), (184, 809), (188, 845),

Gene: DrManhattan_72 Start: 42208, Stop: 42510, Start Num: 142

Candidate Starts for DrManhattan_72:

(Start: 142 @42208 has 394 MA's), (169, 42325), (180, 42400), (192, 42499),

Gene: DrSierra_66 Start: 42253, Stop: 42555, Start Num: 142

Candidate Starts for DrSierra_66:

(Start: 142 @42253 has 394 MA's), (157, 42319), (169, 42370), (180, 42445), (192, 42544),

Gene: Drake55_5 Start: 2627, Stop: 2923, Start Num: 142

Candidate Starts for Drake55_5:

(57, 2426), (Start: 142 @2627 has 394 MA's),

Gene: Drake94_1 Start: 472, Stop: 768, Start Num: 127

Candidate Starts for Drake94_1:

(39, 247), (Start: 127 @472 has 40 MA's), (172, 607),

Gene: Dre3_68 Start: 45474, Stop: 45806, Start Num: 142

Candidate Starts for Dre3_68:

(130, 45456), (Start: 142 @45474 has 394 MA's),

Gene: DreamCatcher_2 Start: 1332, Stop: 1622, Start Num: 148

Candidate Starts for DreamCatcher_2:

(20, 897), (35, 1014), (74, 1170), (80, 1179), (82, 1182), (Start: 148 @1332 has 3 MA's), (151, 1359), (184, 1539), (188, 1575),

Gene: DreamTeam1_4 Start: 2108, Stop: 2401, Start Num: 139

Candidate Starts for DreamTeam1_4:

(Start: 139 @2108 has 199 MA's), (161, 2195), (167, 2210), (171, 2228),

Gene: Dreamboat_2 Start: 863, Stop: 1171, Start Num: 142

Candidate Starts for Dreamboat_2:

(Start: 114 @815 has 1 MA's), (Start: 142 @863 has 394 MA's), (171, 986), (184, 1076), (188, 1112),

Gene: DroogsArmy_1 Start: 408, Stop: 704, Start Num: 142

Candidate Starts for DroogsArmy_1:

(85, 297), (Start: 142 @408 has 394 MA's), (186, 654), (191, 672),

Gene: DudeLittle_5 Start: 2671, Stop: 2967, Start Num: 142

Candidate Starts for DudeLittle_5:

(Start: 142 @2671 has 394 MA's), (171, 2794),

Gene: Dulcie_1 Start: 596, Stop: 892, Start Num: 142

Candidate Starts for Dulcie_1:

(Start: 106 @533 has 4 MA's), (Start: 123 @569 has 34 MA's), (128, 578), (Start: 142 @596 has 394 MA's), (171, 719), (188, 845),

Gene: Duplo_4 Start: 2345, Stop: 2641, Start Num: 139

Candidate Starts for Duplo_4:

(Start: 139 @2345 has 199 MA's),

Gene: Dussy_2 Start: 758, Stop: 1054, Start Num: 142

Candidate Starts for Dussy_2:

(Start: 142 @758 has 394 MA's), (171, 881), (179, 935), (184, 971), (188, 1007),

Gene: Dusty_13 Start: 3104, Stop: 3412, Start Num: 142

Candidate Starts for Dusty_13:

(118, 3074), (Start: 142 @3104 has 394 MA's), (190, 3368),

Gene: Dwayne_2 Start: 730, Stop: 1041, Start Num: 139

Candidate Starts for Dwayne_2:

(Start: 63 @589 has 2 MA's), (77, 628), (Start: 139 @730 has 199 MA's), (158, 802), (174, 883),

Gene: Dynamix_2 Start: 747, Stop: 1043, Start Num: 142

Candidate Starts for Dynamix_2:

(Start: 142 @747 has 394 MA's), (171, 870), (184, 960), (188, 996),

Gene: EMSquaredA_80 Start: 50168, Stop: 50458, Start Num: 146

Candidate Starts for EMSquaredA_80:

(9, 49655), (23, 49805), (24, 49814), (26, 49841), (29, 49859), (32, 49883), (40, 49922), (42, 49934), (43, 49937), (96, 50072), (Start: 146 @50168 has 17 MA's),

Gene: EZMoney23_4 Start: 2295, Stop: 2591, Start Num: 142

Candidate Starts for EZMoney23_4:

(Start: 142 @2295 has 394 MA's),

Gene: EagleEye_4 Start: 2125, Stop: 2418, Start Num: 139

Candidate Starts for EagleEye_4:

(Start: 139 @2125 has 199 MA's), (157, 2191), (167, 2227), (171, 2245), (172, 2257),

Gene: Eaglepride_1 Start: 473, Stop: 769, Start Num: 127

Candidate Starts for Eaglepride_1:

(86, 386), (Start: 127 @473 has 40 MA's),

Gene: Ebony_4 Start: 2395, Stop: 2658, Start Num: 149

Candidate Starts for Ebony_4:

(Start: 139 @2362 has 199 MA's), (Start: 149 @2395 has 3 MA's), (161, 2452), (196, 2653),

Gene: Echild_5 Start: 2672, Stop: 2968, Start Num: 142

Candidate Starts for Echild_5:

(Start: 142 @2672 has 394 MA's), (171, 2795),

Gene: Eddasa_2 Start: 746, Stop: 1060, Start Num: 139

Candidate Starts for Eddasa_2:

(99, 668), (Start: 139 @746 has 199 MA's), (174, 902),

Gene: Edison31_1 Start: 464, Stop: 760, Start Num: 127

Candidate Starts for Edison31_1:
(Start: 127 @464 has 40 MA's),

Gene: Edtherson_2 Start: 749, Stop: 1045, Start Num: 142
Candidate Starts for Edtherson_2:
(Start: 142 @749 has 394 MA's), (171, 872), (184, 962), (188, 998),

Gene: Eidsmoe_4 Start: 2332, Stop: 2625, Start Num: 139
Candidate Starts for Eidsmoe_4:
(Start: 119 @2305 has 3 MA's), (Start: 139 @2332 has 199 MA's), (167, 2434), (171, 2452),

Gene: Ejemplo_2 Start: 730, Stop: 1041, Start Num: 139
Candidate Starts for Ejemplo_2:
(Start: 63 @589 has 2 MA's), (77, 628), (Start: 139 @730 has 199 MA's), (158, 802), (164, 832), (171, 859), (180, 922),

Gene: ElGato_4 Start: 978, Stop: 1292, Start Num: 140
Candidate Starts for ElGato_4:
(60, 825), (76, 858), (84, 864), (Start: 88 @870 has 2 MA's), (134, 972), (Start: 140 @978 has 50 MA's), (157, 1047), (172, 1122), (176, 1155),

Gene: ElTiger69_1 Start: 502, Stop: 801, Start Num: 127
Candidate Starts for ElTiger69_1:
(Start: 127 @502 has 40 MA's), (Start: 144 @517 has 1 MA's), (167, 610), (186, 751), (196, 796),

Gene: Elephantoon_4 Start: 2095, Stop: 2388, Start Num: 139
Candidate Starts for Elephantoon_4:
(Start: 139 @2095 has 199 MA's), (167, 2197), (171, 2215),

Gene: Elezi_68 Start: 43103, Stop: 43405, Start Num: 142
Candidate Starts for Elezi_68:
(Start: 142 @43103 has 394 MA's), (152, 43154), (157, 43169), (169, 43220), (180, 43295), (192, 43394),

Gene: Emaanora_3 Start: 729, Stop: 1040, Start Num: 139
Candidate Starts for Emaanora_3:
(Start: 63 @588 has 2 MA's), (77, 627), (Start: 139 @729 has 199 MA's), (158, 801), (174, 882),

Gene: Emotion_74 Start: 44679, Stop: 45029, Start Num: 142
Candidate Starts for Emotion_74:
(Start: 142 @44679 has 394 MA's), (192, 44970),

Gene: EmyBug_4 Start: 2332, Stop: 2625, Start Num: 139
Candidate Starts for EmyBug_4:
(Start: 119 @2305 has 3 MA's), (Start: 139 @2332 has 199 MA's), (167, 2434), (171, 2452),

Gene: EnalisNailo_76 Start: 50668, Stop: 50958, Start Num: 146
Candidate Starts for EnalisNailo_76:
(27, 50335), (40, 50422), (42, 50434), (43, 50437), (96, 50572), (Start: 146 @50668 has 17 MA's),

Gene: Engineer_14 Start: 3268, Stop: 3576, Start Num: 142
Candidate Starts for Engineer_14:
(118, 3238), (Start: 142 @3268 has 394 MA's), (180, 3460), (190, 3532),

Gene: EnochSoames_2 Start: 742, Stop: 1056, Start Num: 140
Candidate Starts for EnochSoames_2:
(Start: 63 @613 has 2 MA's), (134, 733), (Start: 140 @742 has 50 MA's), (174, 898),

Gene: EnzoK_1 Start: 607, Stop: 903, Start Num: 142
Candidate Starts for EnzoK_1:
(Start: 142 @607 has 394 MA's), (171, 730), (188, 856),

Gene: EpicPhail_1 Start: 526, Stop: 819, Start Num: 129
Candidate Starts for EpicPhail_1:
(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Epsocamisio_4 Start: 2278, Stop: 2574, Start Num: 139
Candidate Starts for Epsocamisio_4:
(Start: 139 @2278 has 199 MA's), (161, 2368),

Gene: Equemioh13_5 Start: 2624, Stop: 2920, Start Num: 142
Candidate Starts for Equemioh13_5:
(57, 2423), (Start: 142 @2624 has 394 MA's),

Gene: Eraser_69 Start: 43240, Stop: 43542, Start Num: 142
Candidate Starts for Eraser_69:
(Start: 142 @43240 has 394 MA's), (152, 43291), (157, 43306), (169, 43357), (180, 43432), (192, 43531),

Gene: EricB_4 Start: 2144, Stop: 2440, Start Num: 139
Candidate Starts for EricB_4:
(Start: 139 @2144 has 199 MA's), (172, 2279),

Gene: Esperer_2 Start: 740, Stop: 1054, Start Num: 139
Candidate Starts for Esperer_2:
(65, 629), (90, 656), (Start: 139 @740 has 199 MA's), (174, 896),

Gene: Espresso_2 Start: 832, Stop: 1128, Start Num: 142
Candidate Starts for Espresso_2:
(Start: 114 @784 has 1 MA's), (Start: 142 @832 has 394 MA's), (171, 955), (179, 1009), (184, 1045), (188, 1081),

Gene: Euphoria_2 Start: 736, Stop: 1032, Start Num: 142
Candidate Starts for Euphoria_2:
(Start: 142 @736 has 394 MA's), (171, 859), (179, 913), (184, 949), (188, 985),

Gene: EvilGenius_5 Start: 2559, Stop: 2855, Start Num: 142
Candidate Starts for EvilGenius_5:
(Start: 142 @2559 has 394 MA's), (171, 2682),

Gene: Exile_60 Start: 43770, Stop: 44069, Start Num: 142
Candidate Starts for Exile_60:
(77, 43632), (Start: 142 @43770 has 394 MA's), (157, 43836), (169, 43887), (192, 44061),

Gene: ExplosioNervosa_4 Start: 2308, Stop: 2628, Start Num: 119
Candidate Starts for ExplosioNervosa_4:

(Start: 119 @2308 has 3 MA's), (Start: 139 @2335 has 199 MA's), (167, 2437), (171, 2455),

Gene: Eyeball_1 Start: 599, Stop: 895, Start Num: 142

Candidate Starts for Eyeball_1:

(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: Fajezeel_2 Start: 749, Stop: 1057, Start Num: 142

Candidate Starts for Fajezeel_2:

(Start: 142 @749 has 394 MA's), (171, 872), (184, 962), (188, 998),

Gene: Fameo_5 Start: 2671, Stop: 2967, Start Num: 142

Candidate Starts for Fameo_5:

(Start: 142 @2671 has 394 MA's), (171, 2794),

Gene: Farber_1 Start: 527, Stop: 820, Start Num: 129

Candidate Starts for Farber_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Farewell_96 Start: 61361, Stop: 61663, Start Num: 143

Candidate Starts for Farewell_96:

(49, 61136), (82, 61232), (98, 61265), (108, 61301), (111, 61307), (Start: 143 @61361 has 2 MA's), (Start: 150 @61394 has 1 MA's), (197, 61652),

Gene: Fascinus_1 Start: 599, Stop: 895, Start Num: 142

Candidate Starts for Fascinus_1:

(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: Fayely_4 Start: 2335, Stop: 2628, Start Num: 139

Candidate Starts for Fayely_4:

(Start: 119 @2308 has 3 MA's), (Start: 139 @2335 has 199 MA's), (167, 2437), (171, 2455),

Gene: Fenn_1 Start: 606, Stop: 902, Start Num: 142

Candidate Starts for Fenn_1:

(Start: 106 @543 has 4 MA's), (Start: 123 @579 has 34 MA's), (128, 588), (Start: 142 @606 has 394 MA's), (171, 729), (179, 783), (184, 819), (188, 855),

Gene: Fernando_1 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for Fernando_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Fibonacci_4 Start: 2359, Stop: 2655, Start Num: 139

Candidate Starts for Fibonacci_4:

(Start: 139 @2359 has 199 MA's), (Start: 149 @2392 has 3 MA's), (161, 2449), (196, 2650),

Gene: FiringLine_5 Start: 2568, Stop: 2864, Start Num: 142

Candidate Starts for FiringLine_5:

(Start: 142 @2568 has 394 MA's), (171, 2691),

Gene: First_004 Start: 2483, Stop: 2779, Start Num: 142

Candidate Starts for First_004:

(Start: 142 @2483 has 394 MA's),

Gene: Flare16_5 Start: 2624, Stop: 2920, Start Num: 142

Candidate Starts for Flare16_5:

(57, 2423), (Start: 142 @2624 has 394 MA's),

Gene: Flaverint_4 Start: 2356, Stop: 2652, Start Num: 139

Candidate Starts for Flaverint_4:

(Start: 139 @2356 has 199 MA's), (Start: 149 @2389 has 3 MA's), (161, 2446), (196, 2647),

Gene: Floof_81 Start: 48040, Stop: 48342, Start Num: 142

Candidate Starts for Floof_81:

(52, 47851), (93, 47941), (115, 47998), (Start: 142 @48040 has 394 MA's), (157, 48106), (172, 48181), (174, 48193),

Gene: Floral_80 Start: 52125, Stop: 52415, Start Num: 146

Candidate Starts for Floral_80:

(9, 51612), (23, 51762), (24, 51771), (26, 51798), (29, 51816), (32, 51840), (40, 51879), (42, 51891), (43, 51894), (96, 52029), (Start: 146 @52125 has 17 MA's),

Gene: FlyCatcher_1 Start: 396, Stop: 692, Start Num: 133

Candidate Starts for FlyCatcher_1:

(87, 300), (Start: 133 @396 has 2 MA's), (186, 642),

Gene: Footloose_71 Start: 39222, Stop: 39524, Start Num: 146

Candidate Starts for Footloose_71:

(Start: 146 @39222 has 17 MA's), (159, 39288), (176, 39393), (182, 39429),

Gene: ForGetIt_1 Start: 561, Stop: 860, Start Num: 127

Candidate Starts for ForGetIt_1:

(55, 372), (Start: 127 @561 has 40 MA's), (167, 669), (177, 741), (186, 810), (196, 855),

Gene: Forsytheast_1 Start: 596, Stop: 892, Start Num: 142

Candidate Starts for Forsytheast_1:

(Start: 106 @533 has 4 MA's), (Start: 123 @569 has 34 MA's), (128, 578), (Start: 142 @596 has 394 MA's), (171, 719), (179, 773), (184, 809), (188, 845),

Gene: Francis47_2 Start: 835, Stop: 1131, Start Num: 142

Candidate Starts for Francis47_2:

(Start: 114 @787 has 1 MA's), (Start: 142 @835 has 394 MA's), (171, 958), (184, 1048), (188, 1084),

Gene: Fred313_1 Start: 416, Stop: 712, Start Num: 126

Candidate Starts for Fred313_1:

(Start: 69 @293 has 1 MA's), (122, 410), (Start: 126 @416 has 3 MA's), (172, 551),

Gene: Fribs8_67 Start: 45643, Stop: 45981, Start Num: 142

Candidate Starts for Fribs8_67:

(Start: 142 @45643 has 394 MA's), (174, 45781), (183, 45850),

Gene: Froghopper_2 Start: 749, Stop: 1045, Start Num: 142

Candidate Starts for Froghopper_2:

(Start: 142 @749 has 394 MA's), (171, 872), (184, 962), (188, 998),

Gene: Fushigi_2 Start: 748, Stop: 1044, Start Num: 142

Candidate Starts for Fushigi_2:

(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: GageAP_2 Start: 986, Stop: 1282, Start Num: 142

Candidate Starts for GageAP_2:

(Start: 142 @986 has 394 MA's), (171, 1109), (184, 1199), (188, 1235),

Gene: Gail_4 Start: 2396, Stop: 2692, Start Num: 142

Candidate Starts for Gail_4:

(Start: 142 @2396 has 394 MA's), (166, 2498), (169, 2507), (170, 2513),

Gene: Gandalf20_2 Start: 843, Stop: 1139, Start Num: 142

Candidate Starts for Gandalf20_2:

(Start: 114 @795 has 1 MA's), (Start: 142 @843 has 394 MA's), (171, 966), (179, 1020), (184, 1056), (188, 1092),

Gene: GardenState_76 Start: 44995, Stop: 45294, Start Num: 142

Candidate Starts for GardenState_76:

(Start: 126 @44971 has 3 MA's), (Start: 142 @44995 has 394 MA's),

Gene: GaugeLDP_4 Start: 2092, Stop: 2388, Start Num: 139

Candidate Starts for GaugeLDP_4:

(Start: 139 @2092 has 199 MA's),

Gene: Geeche_13 Start: 3085, Stop: 3393, Start Num: 142

Candidate Starts for Geeche_13:

(118, 3055), (Start: 142 @3085 has 394 MA's), (190, 3349),

Gene: Gemma_1 Start: 522, Stop: 824, Start Num: 123

Candidate Starts for Gemma_1:

(Start: 123 @522 has 34 MA's), (Start: 129 @531 has 46 MA's), (157, 597),

Gene: Georgie2_5 Start: 2570, Stop: 2866, Start Num: 142

Candidate Starts for Georgie2_5:

(Start: 142 @2570 has 394 MA's), (171, 2693),

Gene: Gilberta_4 Start: 2353, Stop: 2649, Start Num: 139

Candidate Starts for Gilberta_4:

(Start: 139 @2353 has 199 MA's), (Start: 149 @2386 has 3 MA's), (161, 2443), (196, 2644),

Gene: GingkoMaracino_1 Start: 517, Stop: 819, Start Num: 123

Candidate Starts for GingkoMaracino_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: GirlDinner_2 Start: 690, Stop: 1004, Start Num: 140

Candidate Starts for GirlDinner_2:

(Start: 140 @690 has 50 MA's), (157, 759), (172, 834),

Gene: Gladiator_4 Start: 2133, Stop: 2429, Start Num: 139

Candidate Starts for Gladiator_4:

(Start: 139 @2133 has 199 MA's), (172, 2268),

Gene: Goby_2 Start: 723, Stop: 1034, Start Num: 139

Candidate Starts for Goby_2:

(Start: 63 @588 has 2 MA's), (Start: 139 @723 has 199 MA's), (158, 795), (164, 825), (171, 852), (180, 915),

Gene: Godpower_2 Start: 615, Stop: 1037, Start Num: 69

Candidate Starts for Godpower_2:

(Start: 69 @615 has 1 MA's), (Start: 139 @726 has 199 MA's), (158, 798), (164, 828), (171, 855),

Gene: Gompeii16_2 Start: 835, Stop: 1131, Start Num: 142

Candidate Starts for Gompeii16_2:

(Start: 114 @787 has 1 MA's), (Start: 142 @835 has 394 MA's), (171, 958), (184, 1048), (188, 1084),

Gene: Goose_1 Start: 462, Stop: 758, Start Num: 127

Candidate Starts for Goose_1:

(Start: 127 @462 has 40 MA's),

Gene: Graduation_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for Graduation_1:

(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 138 @595 has 2 MA's), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: GrecoEtereo_2 Start: 749, Stop: 1057, Start Num: 142

Candidate Starts for GrecoEtereo_2:

(Start: 142 @749 has 394 MA's), (171, 872), (184, 962), (188, 998),

Gene: GreedyLawyer_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for GreedyLawyer_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: GreenWeasel_1 Start: 591, Stop: 905, Start Num: 140

Candidate Starts for GreenWeasel_1:

(Start: 140 @591 has 50 MA's), (168, 708), (172, 735), (185, 837), (196, 900),

Gene: Greg_2 Start: 749, Stop: 1057, Start Num: 142

Candidate Starts for Greg_2:

(Start: 142 @749 has 394 MA's), (171, 872), (184, 962), (188, 998),

Gene: Gretchen_74 Start: 47033, Stop: 47335, Start Num: 142

Candidate Starts for Gretchen_74:

(Start: 142 @47033 has 394 MA's), (157, 47099), (169, 47150), (172, 47174),

Gene: Grif_1 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for Grif_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Groupthink_2 Start: 531, Stop: 824, Start Num: 129

Candidate Starts for Groupthink_2:

(Start: 123 @522 has 34 MA's), (Start: 129 @531 has 46 MA's), (157, 597),

Gene: Grub_1 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for Grub_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Grum1_1 Start: 526, Stop: 819, Start Num: 129
Candidate Starts for Grum1_1:
(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Gruunaga_4 Start: 2133, Stop: 2429, Start Num: 139
Candidate Starts for Gruunaga_4:
(Start: 139 @2133 has 199 MA's), (172, 2268),

Gene: GtownJaz_1 Start: 526, Stop: 819, Start Num: 129
Candidate Starts for GtownJaz_1:
(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Gwendoluna_1 Start: 600, Stop: 896, Start Num: 142
Candidate Starts for Gwendoluna_1:
(Start: 142 @600 has 394 MA's), (171, 723), (184, 813), (188, 849),

Gene: Gyzlar_2 Start: 742, Stop: 1038, Start Num: 142
Candidate Starts for Gyzlar_2:
(Start: 142 @742 has 394 MA's), (171, 865), (184, 955), (188, 991),

Gene: HINdeR_1 Start: 411, Stop: 704, Start Num: 142
Candidate Starts for HINdeR_1:
(Start: 142 @411 has 394 MA's), (156, 477), (186, 654), (191, 672),

Gene: Haizum_2 Start: 652, Stop: 966, Start Num: 140
Candidate Starts for Haizum_2:
(Start: 133 @643 has 2 MA's), (Start: 140 @652 has 50 MA's), (172, 796), (176, 829),

Gene: Hami1_1 Start: 598, Stop: 894, Start Num: 142
Candidate Starts for Hami1_1:
(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Hammer_4 Start: 2132, Stop: 2428, Start Num: 139
Candidate Starts for Hammer_4:
(Start: 139 @2132 has 199 MA's), (172, 2267),

Gene: Hank144_2 Start: 693, Stop: 1007, Start Num: 140
Candidate Starts for Hank144_2:
(Start: 102 @618 has 1 MA's), (103, 624), (Start: 140 @693 has 50 MA's), (157, 762), (172, 837), (174, 849),

Gene: HarryHoudini_5 Start: 2627, Stop: 2923, Start Num: 142
Candidate Starts for HarryHoudini_5:
(57, 2426), (Start: 142 @2627 has 394 MA's),

Gene: HarryOW_2 Start: 749, Stop: 1057, Start Num: 142
Candidate Starts for HarryOW_2:
(Start: 142 @749 has 394 MA's), (171, 872), (184, 962), (188, 998),

Gene: HashRod_2 Start: 518, Stop: 820, Start Num: 123
Candidate Starts for HashRod_2:
(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: HaveUMetTed_2 Start: 531, Stop: 824, Start Num: 129
Candidate Starts for HaveUMetTed_2:
(Start: 123 @522 has 34 MA's), (Start: 129 @531 has 46 MA's), (157, 597),

Gene: Heffalump_5 Start: 2671, Stop: 2967, Start Num: 142
Candidate Starts for Heffalump_5:
(Start: 142 @2671 has 394 MA's), (171, 2794),

Gene: Heliosoles_1 Start: 522, Stop: 824, Start Num: 123
Candidate Starts for Heliosoles_1:
(Start: 123 @522 has 34 MA's), (Start: 129 @531 has 46 MA's), (157, 597),

Gene: Herbertwm_1 Start: 414, Stop: 710, Start Num: 139
Candidate Starts for Herbertwm_1:
(100, 327), (101, 330), (Start: 139 @414 has 199 MA's), (163, 513),

Gene: Hercules11_1 Start: 526, Stop: 819, Start Num: 129
Candidate Starts for Hercules11_1:
(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Hermia_2 Start: 750, Stop: 1046, Start Num: 142
Candidate Starts for Hermia_2:
(Start: 142 @750 has 394 MA's), (171, 873), (184, 963), (188, 999),

Gene: HermioneGrange_2 Start: 748, Stop: 1044, Start Num: 142
Candidate Starts for HermioneGrange_2:
(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: Hexamo_4 Start: 2143, Stop: 2439, Start Num: 139
Candidate Starts for Hexamo_4:
(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Hippo_2 Start: 729, Stop: 1040, Start Num: 139
Candidate Starts for Hippo_2:
(77, 627), (Start: 139 @729 has 199 MA's), (158, 801), (174, 882),

Gene: HippoPololi_68 Start: 45087, Stop: 45419, Start Num: 142
Candidate Starts for HippoPololi_68:
(Start: 142 @45087 has 394 MA's),

Gene: Homines_2 Start: 832, Stop: 1128, Start Num: 142
Candidate Starts for Homines_2:
(Start: 114 @784 has 1 MA's), (Start: 142 @832 has 394 MA's), (171, 955), (184, 1045), (188, 1081),

Gene: Honk_82 Start: 49790, Stop: 50095, Start Num: 142
Candidate Starts for Honk_82:
(95, 49700), (Start: 126 @49769 has 3 MA's), (Start: 142 @49790 has 394 MA's), (154, 49850),

Gene: Hookmount_1 Start: 445, Stop: 741, Start Num: 142
Candidate Starts for Hookmount_1:
(Start: 142 @445 has 394 MA's), (172, 580),

Gene: Hoot_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Hoot_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Hope4ever_1 Start: 600, Stop: 896, Start Num: 142

Candidate Starts for Hope4ever_1:

(Start: 106 @537 has 4 MA's), (Start: 123 @573 has 34 MA's), (128, 582), (Start: 138 @597 has 2 MA's), (Start: 142 @600 has 394 MA's), (171, 723), (184, 813), (188, 849),

Gene: HortumSL17_4 Start: 2335, Stop: 2628, Start Num: 139

Candidate Starts for HortumSL17_4:

(Start: 119 @2308 has 3 MA's), (Start: 139 @2335 has 199 MA's), (167, 2437), (171, 2455),

Gene: HuhtaEnerson15_1 Start: 535, Stop: 834, Start Num: 127

Candidate Starts for HuhtaEnerson15_1:

(Start: 127 @535 has 40 MA's), (167, 643), (177, 715), (186, 784), (196, 829),

Gene: Hutc2_4 Start: 2359, Stop: 2655, Start Num: 139

Candidate Starts for Hutc2_4:

(Start: 139 @2359 has 199 MA's), (Start: 149 @2392 has 3 MA's), (161, 2449), (196, 2650),

Gene: Hydra_3 Start: 739, Stop: 1053, Start Num: 139

Candidate Starts for Hydra_3:

(Start: 139 @739 has 199 MA's), (174, 895),

Gene: IAmGroot_75 Start: 45197, Stop: 45496, Start Num: 142

Candidate Starts for IAmGroot_75:

(Start: 126 @45173 has 3 MA's), (Start: 142 @45197 has 394 MA's),

Gene: ILeeKay_1 Start: 547, Stop: 843, Start Num: 142

Candidate Starts for ILeeKay_1:

(Start: 106 @484 has 4 MA's), (Start: 123 @520 has 34 MA's), (128, 529), (Start: 142 @547 has 394 MA's), (171, 670), (184, 760), (188, 796),

Gene: Ibrahim_59 Start: 41099, Stop: 41398, Start Num: 72

Candidate Starts for Ibrahim_59:

(Start: 72 @41099 has 6 MA's), (174, 41222),

Gene: Ichabod_2 Start: 749, Stop: 1045, Start Num: 142

Candidate Starts for Ichabod_2:

(Start: 142 @749 has 394 MA's), (171, 872), (188, 998),

Gene: IgnatiusPatJac_1 Start: 597, Stop: 893, Start Num: 142

Candidate Starts for IgnatiusPatJac_1:

(Start: 123 @570 has 34 MA's), (128, 579), (Start: 138 @594 has 2 MA's), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Indigo_2 Start: 740, Stop: 1054, Start Num: 139

Candidate Starts for Indigo_2:

(65, 629), (90, 656), (Start: 139 @740 has 199 MA's), (174, 896),

Gene: Indra_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Indra_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Insomnia_4 Start: 2356, Stop: 2652, Start Num: 139

Candidate Starts for Insomnia_4:

(Start: 139 @2356 has 199 MA's), (Start: 149 @2389 has 3 MA's), (161, 2446), (196, 2647),

Gene: Inyanga_1 Start: 599, Stop: 895, Start Num: 142

Candidate Starts for Inyanga_1:

(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 138 @596 has 2 MA's), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: Iqorha_1 Start: 599, Stop: 895, Start Num: 142

Candidate Starts for Iqorha_1:

(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 138 @596 has 2 MA's), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: IronMan_4 Start: 2114, Stop: 2410, Start Num: 139

Candidate Starts for IronMan_4:

(Start: 139 @2114 has 199 MA's), (163, 2213), (181, 2309),

Gene: Isca_1 Start: 420, Stop: 716, Start Num: 142

Candidate Starts for Isca_1:

(83, 318), (Start: 123 @411 has 34 MA's), (Start: 142 @420 has 394 MA's), (172, 555),

Gene: Isiphiwo_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Isiphiwo_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Issmi_2 Start: 651, Stop: 965, Start Num: 140

Candidate Starts for Issmi_2:

(Start: 140 @651 has 50 MA's), (172, 795), (176, 828), (196, 960),

Gene: Iter_70 Start: 43593, Stop: 43895, Start Num: 142

Candidate Starts for Iter_70:

(Start: 142 @43593 has 394 MA's), (157, 43659), (169, 43710), (180, 43785), (192, 43884),

Gene: IttyBittyPiggy_70 Start: 41834, Stop: 42145, Start Num: 142

Candidate Starts for IttyBittyPiggy_70:

(Start: 142 @41834 has 394 MA's), (180, 42026), (192, 42125),

Gene: Itza_2 Start: 744, Stop: 1058, Start Num: 140

Candidate Starts for Itza_2:

(Start: 140 @744 has 50 MA's), (172, 888),

Gene: Iwokeuplikedis_5 Start: 2364, Stop: 2660, Start Num: 139

Candidate Starts for Iwokeuplikedis_5:

(Start: 139 @2364 has 199 MA's),

Gene: Izzy_2 Start: 793, Stop: 1107, Start Num: 139

Candidate Starts for Izzy_2:

(99, 715), (Start: 139 @793 has 199 MA's), (174, 949),

Gene: JC27_2 Start: 748, Stop: 1044, Start Num: 142

Candidate Starts for JC27_2:

(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: JF2_1 Start: 419, Stop: 715, Start Num: 142

Candidate Starts for JF2_1:

(Start: 69 @293 has 1 MA's), (122, 410), (Start: 142 @419 has 394 MA's), (172, 554),

Gene: JF4_1 Start: 419, Stop: 715, Start Num: 142

Candidate Starts for JF4_1:

(Start: 69 @293 has 1 MA's), (122, 410), (Start: 142 @419 has 394 MA's), (172, 554),

Gene: JHC117_1 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for JHC117_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: JSwag_4 Start: 2278, Stop: 2574, Start Num: 139

Candidate Starts for JSwag_4:

(Start: 139 @2278 has 199 MA's), (161, 2368),

Gene: Jaan_4 Start: 2110, Stop: 2406, Start Num: 139

Candidate Starts for Jaan_4:

(Start: 139 @2110 has 199 MA's), (163, 2209), (181, 2305),

Gene: Jabiru_1 Start: 502, Stop: 801, Start Num: 127

Candidate Starts for Jabiru_1:

(Start: 127 @502 has 40 MA's), (Start: 144 @517 has 1 MA's), (167, 610), (186, 751), (196, 796),

Gene: Jabith_4 Start: 2356, Stop: 2652, Start Num: 139

Candidate Starts for Jabith_4:

(Start: 139 @2356 has 199 MA's), (Start: 149 @2389 has 3 MA's), (161, 2446), (196, 2647),

Gene: Jablanski_82 Start: 53171, Stop: 53461, Start Num: 146

Candidate Starts for Jablanski_82:

(111, 53114), (Start: 114 @53120 has 1 MA's), (Start: 146 @53171 has 17 MA's),

Gene: JackSparrow_1 Start: 596, Stop: 892, Start Num: 142

Candidate Starts for JackSparrow_1:

(Start: 123 @569 has 34 MA's), (128, 578), (Start: 138 @593 has 2 MA's), (Start: 142 @596 has 394 MA's), (171, 719), (184, 809), (188, 845),

Gene: Janeemi_69 Start: 43509, Stop: 43811, Start Num: 142

Candidate Starts for Janeemi_69:

(Start: 142 @43509 has 394 MA's), (157, 43575), (169, 43626), (180, 43701), (192, 43800),

Gene: Janus_3 Start: 1027, Stop: 1341, Start Num: 140

Candidate Starts for Janus_3:

(Start: 140 @1027 has 50 MA's), (157, 1096), (172, 1171),

Gene: Jash_2 Start: 746, Stop: 1060, Start Num: 139

Candidate Starts for Jash_2:

(99, 668), (Start: 139 @746 has 199 MA's), (174, 902),

Gene: JasmineDragon_70 Start: 43243, Stop: 43605, Start Num: 137

Candidate Starts for JasmineDragon_70:

(80, 43126), (Start: 137 @43243 has 2 MA's), (154, 43312), (157, 43318), (187, 43513), (195, 43555),

Gene: Jasper_2 Start: 863, Stop: 1171, Start Num: 142

Candidate Starts for Jasper_2:

(Start: 114 @815 has 1 MA's), (Start: 142 @863 has 394 MA's), (171, 986), (184, 1076), (188, 1112),

Gene: Jeeves_4 Start: 2418, Stop: 2714, Start Num: 142

Candidate Starts for Jeeves_4:

(Start: 142 @2418 has 394 MA's), (169, 2529), (170, 2535),

Gene: Jeffabunny_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Jeffabunny_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: JenCasNa_1 Start: 517, Stop: 819, Start Num: 123

Candidate Starts for JenCasNa_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: JeppNRM_2 Start: 531, Stop: 824, Start Num: 129

Candidate Starts for JeppNRM_2:

(Start: 123 @522 has 34 MA's), (Start: 129 @531 has 46 MA's), (157, 597),

Gene: Jerm_5 Start: 2548, Stop: 2844, Start Num: 142

Candidate Starts for Jerm_5:

(Start: 142 @2548 has 394 MA's), (171, 2671),

Gene: Jerm2_2 Start: 748, Stop: 1044, Start Num: 142

Candidate Starts for Jerm2_2:

(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: Jevington_3 Start: 1035, Stop: 1349, Start Num: 140

Candidate Starts for Jevington_3:

(Start: 102 @963 has 1 MA's), (Start: 133 @1029 has 2 MA's), (Start: 140 @1035 has 50 MA's), (157, 1104), (172, 1179), (176, 1212),

Gene: JewelBug_4 Start: 2144, Stop: 2440, Start Num: 139

Candidate Starts for JewelBug_4:

(Start: 139 @2144 has 199 MA's), (172, 2279),

Gene: Jobu08_1 Start: 517, Stop: 819, Start Num: 123

Candidate Starts for Jobu08_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Joemato_71 Start: 43479, Stop: 43781, Start Num: 142

Candidate Starts for Joemato_71:

(Start: 142 @43479 has 394 MA's), (152, 43530), (157, 43545), (169, 43596), (180, 43671), (192, 43770),

Gene: JohnDoe_70 Start: 43395, Stop: 43697, Start Num: 142

Candidate Starts for JohnDoe_70:

(Start: 142 @43395 has 394 MA's), (152, 43446), (157, 43461), (169, 43512), (180, 43587), (192, 43686),

Gene: JonJames_13 Start: 3969, Stop: 4277, Start Num: 142
Candidate Starts for JonJames_13:
(Start: 142 @3969 has 394 MA's), (176, 4143), (180, 4161), (183, 4182),

Gene: Jordennis_4 Start: 2143, Stop: 2439, Start Num: 139
Candidate Starts for Jordennis_4:
(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Jorgensen_2 Start: 833, Stop: 1129, Start Num: 142
Candidate Starts for Jorgensen_2:
(Start: 114 @785 has 1 MA's), (Start: 142 @833 has 394 MA's), (171, 956), (179, 1010), (184, 1046),
(188, 1082),

Gene: Joselito_4 Start: 2356, Stop: 2652, Start Num: 139
Candidate Starts for Joselito_4:
(Start: 139 @2356 has 199 MA's), (Start: 149 @2389 has 3 MA's), (161, 2446), (196, 2647),

Gene: JoshKayV_5 Start: 2563, Stop: 2859, Start Num: 142
Candidate Starts for JoshKayV_5:
(Start: 142 @2563 has 394 MA's), (171, 2686),

Gene: Journey13_4 Start: 2424, Stop: 2720, Start Num: 139
Candidate Starts for Journey13_4:
(Start: 139 @2424 has 199 MA's), (161, 2514),

Gene: Jovo_1 Start: 535, Stop: 834, Start Num: 127
Candidate Starts for Jovo_1:
(Start: 127 @535 has 40 MA's), (167, 643), (177, 715), (186, 784), (196, 829),

Gene: Jsquared_4 Start: 2327, Stop: 2623, Start Num: 139
Candidate Starts for Jsquared_4:
(Start: 139 @2327 has 199 MA's),

Gene: Jstan_70 Start: 43158, Stop: 43409, Start Num: 152
Candidate Starts for Jstan_70:
(Start: 142 @43107 has 394 MA's), (152, 43158), (157, 43173), (169, 43224), (180, 43299), (192,
43398),

Gene: JuliaChild_2 Start: 834, Stop: 1130, Start Num: 142
Candidate Starts for JuliaChild_2:
(Start: 114 @786 has 1 MA's), (Start: 142 @834 has 394 MA's), (171, 957), (184, 1047), (188, 1083),

Gene: JuneStar_68 Start: 44149, Stop: 44457, Start Num: 142
Candidate Starts for JuneStar_68:
(50, 43936), (Start: 142 @44149 has 394 MA's), (157, 44215), (177, 44332), (180, 44341), (192,
44440),

Gene: KADY_2 Start: 527, Stop: 820, Start Num: 129
Candidate Starts for KADY_2:
(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: KBG_2 Start: 835, Stop: 1131, Start Num: 142

Candidate Starts for KBG_2:

(Start: 114 @787 has 1 MA's), (Start: 142 @835 has 394 MA's), (171, 958), (184, 1048), (188, 1084),

Gene: KSSJEB_1 Start: 580, Stop: 903, Start Num: 123

Candidate Starts for KSSJEB_1:

(Start: 123 @580 has 34 MA's), (128, 589), (Start: 142 @607 has 394 MA's), (171, 730), (184, 820), (188, 856),

Gene: Kachowdy_1 Start: 416, Stop: 712, Start Num: 126

Candidate Starts for Kachowdy_1:

(Start: 69 @293 has 1 MA's), (122, 410), (Start: 126 @416 has 3 MA's), (172, 551),

Gene: Kaine_3 Start: 968, Stop: 1282, Start Num: 140

Candidate Starts for Kaine_3:

(45, 755), (55, 785), (134, 962), (Start: 140 @968 has 50 MA's), (157, 1037), (172, 1112), (176, 1145),

Gene: Kalb97_2 Start: 528, Stop: 821, Start Num: 129

Candidate Starts for Kalb97_2:

(Start: 123 @519 has 34 MA's), (Start: 129 @528 has 46 MA's), (157, 594),

Gene: Kalnoky_2 Start: 522, Stop: 824, Start Num: 123

Candidate Starts for Kalnoky_2:

(Start: 123 @522 has 34 MA's), (Start: 129 @531 has 46 MA's), (157, 597),

Gene: Kalpine_4 Start: 2560, Stop: 2856, Start Num: 142

Candidate Starts for Kalpine_4:

(Start: 142 @2560 has 394 MA's),

Gene: Kanely_3 Start: 1297, Stop: 1593, Start Num: 142

Candidate Starts for Kanely_3:

(Start: 114 @1249 has 1 MA's), (Start: 142 @1297 has 394 MA's), (171, 1420), (184, 1510), (188, 1546),

Gene: Katalie_2 Start: 726, Stop: 1040, Start Num: 139

Candidate Starts for Katalie_2:

(62, 582), (Start: 139 @726 has 199 MA's), (158, 798), (174, 882),

Gene: KatherineG_4 Start: 2425, Stop: 2721, Start Num: 139

Candidate Starts for KatherineG_4:

(Start: 139 @2425 has 199 MA's), (161, 2515),

Gene: Kaylissa_71 Start: 43755, Stop: 44057, Start Num: 142

Candidate Starts for Kaylissa_71:

(Start: 142 @43755 has 394 MA's), (152, 43806), (157, 43821), (169, 43872), (180, 43947), (192, 44046),

Gene: Kazan_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Kazan_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: KeAlii_67 Start: 41473, Stop: 41784, Start Num: 142

Candidate Starts for KeAlii_67:

(Start: 142 @41473 has 394 MA's), (157, 41539), (169, 41590), (192, 41764),

Gene: Kenmech_2 Start: 758, Stop: 1054, Start Num: 142

Candidate Starts for Kenmech_2:

(Start: 142 @758 has 394 MA's), (171, 881), (179, 935), (184, 971), (188, 1007),

Gene: Kerberos_4 Start: 2345, Stop: 2641, Start Num: 139

Candidate Starts for Kerberos_4:

(Start: 139 @2345 has 199 MA's),

Gene: Keziacharles14_4 Start: 2212, Stop: 2505, Start Num: 139

Candidate Starts for Keziacharles14_4:

(Start: 139 @2212 has 199 MA's), (161, 2299), (167, 2314), (171, 2332),

Gene: Killigrew_1 Start: 596, Stop: 892, Start Num: 142

Candidate Starts for Killigrew_1:

(Start: 106 @533 has 4 MA's), (Start: 123 @569 has 34 MA's), (128, 578), (Start: 142 @596 has 394 MA's), (171, 719), (184, 809), (188, 845),

Gene: Kimona_1 Start: 576, Stop: 872, Start Num: 142

Candidate Starts for Kimona_1:

(122, 567), (Start: 142 @576 has 394 MA's), (Start: 149 @609 has 3 MA's), (172, 711), (186, 822),

Gene: KingCyrus_5 Start: 2548, Stop: 2844, Start Num: 142

Candidate Starts for KingCyrus_5:

(Start: 142 @2548 has 394 MA's), (171, 2671),

Gene: Kipper29_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Kipper29_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: KittenMittens_1 Start: 472, Stop: 768, Start Num: 127

Candidate Starts for KittenMittens_1:

(39, 247), (Start: 127 @472 has 40 MA's), (172, 607),

Gene: Koko_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Koko_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Kristoff_2 Start: 629, Stop: 925, Start Num: 127

Candidate Starts for Kristoff_2:

(Start: 89 @548 has 1 MA's), (Start: 127 @629 has 40 MA's),

Gene: Kugel_1 Start: 596, Stop: 904, Start Num: 142

Candidate Starts for Kugel_1:

(107, 533), (Start: 123 @569 has 34 MA's), (128, 578), (Start: 142 @596 has 394 MA's), (171, 719), (184, 809), (188, 845),

Gene: Kuwabara_94 Start: 53726, Stop: 54019, Start Num: 147

Candidate Starts for Kuwabara_94:

(Start: 147 @53726 has 5 MA's),

Gene: KyMonks1A_1 Start: 597, Stop: 893, Start Num: 142

Candidate Starts for KyMonks1A_1:

(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Kykar_1 Start: 597, Stop: 893, Start Num: 142

Candidate Starts for Kykar_1:

(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: L5_4 Start: 2332, Stop: 2628, Start Num: 139

Candidate Starts for L5_4:

(Start: 139 @2332 has 199 MA's),

Gene: LBerry_1 Start: 517, Stop: 819, Start Num: 123

Candidate Starts for LBerry_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: LHTSCC_1 Start: 460, Stop: 762, Start Num: 138

Candidate Starts for LHTSCC_1:

(Start: 88 @355 has 2 MA's), (Start: 138 @460 has 2 MA's), (157, 535), (188, 721),

Gene: LadyBird_4 Start: 2463, Stop: 2759, Start Num: 142

Candidate Starts for LadyBird_4:

(Start: 142 @2463 has 394 MA's), (171, 2586),

Gene: Lambert1_1 Start: 445, Stop: 741, Start Num: 142

Candidate Starts for Lambert1_1:

(Start: 142 @445 has 394 MA's), (172, 580),

Gene: Lamina13_2 Start: 750, Stop: 1046, Start Num: 142

Candidate Starts for Lamina13_2:

(Start: 142 @750 has 394 MA's), (171, 873), (184, 963), (188, 999),

Gene: Landor_4 Start: 2112, Stop: 2408, Start Num: 139

Candidate Starts for Landor_4:

(Start: 139 @2112 has 199 MA's), (163, 2211), (181, 2307),

Gene: Lannister_3 Start: 743, Stop: 1054, Start Num: 139

Candidate Starts for Lannister_3:

(112, 701), (Start: 139 @743 has 199 MA's), (174, 896),

Gene: Larenn_5 Start: 2579, Stop: 2875, Start Num: 142

Candidate Starts for Larenn_5:

(Start: 142 @2579 has 394 MA's),

Gene: LarryKay_1 Start: 527, Stop: 820, Start Num: 129

Candidate Starts for LarryKay_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: LastResort_4 Start: 2278, Stop: 2574, Start Num: 139

Candidate Starts for LastResort_4:

(Start: 139 @2278 has 199 MA's), (161, 2368),

Gene: Legacy_2 Start: 739, Stop: 1053, Start Num: 139

Candidate Starts for Legacy_2:
(Start: 139 @739 has 199 MA's), (174, 895),

Gene: Lego_69 Start: 43077, Stop: 43379, Start Num: 142
Candidate Starts for Lego_69:
(Start: 142 @43077 has 394 MA's), (152, 43128), (157, 43143), (169, 43194), (180, 43269), (192, 43368),

Gene: Leogania_4 Start: 2319, Stop: 2615, Start Num: 142
Candidate Starts for Leogania_4:
(Start: 142 @2319 has 394 MA's), (170, 2436),

Gene: Lesedi_1 Start: 599, Stop: 895, Start Num: 142
Candidate Starts for Lesedi_1:
(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: Lev2_1 Start: 534, Stop: 833, Start Num: 127
Candidate Starts for Lev2_1:
(55, 372), (Start: 127 @534 has 40 MA's), (167, 642), (177, 714), (186, 783), (196, 828),

Gene: Leviathan_5 Start: 2547, Stop: 2843, Start Num: 142
Candidate Starts for Leviathan_5:
(Start: 142 @2547 has 394 MA's), (171, 2670),

Gene: Leviticus_2 Start: 740, Stop: 1054, Start Num: 139
Candidate Starts for Leviticus_2:
(65, 629), (90, 656), (Start: 139 @740 has 199 MA's), (174, 896),

Gene: Licorice_2 Start: 751, Stop: 1047, Start Num: 142
Candidate Starts for Licorice_2:
(Start: 142 @751 has 394 MA's), (171, 874), (184, 964), (188, 1000),

Gene: Liebe_69 Start: 45433, Stop: 45732, Start Num: 142
Candidate Starts for Liebe_69:
(Start: 142 @45433 has 394 MA's), (157, 45499), (158, 45502), (178, 45619), (192, 45724),

Gene: Lika_2 Start: 726, Stop: 1037, Start Num: 139
Candidate Starts for Lika_2:
(Start: 69 @615 has 1 MA's), (Start: 139 @726 has 199 MA's), (158, 798), (164, 828), (171, 855),

Gene: LilBib_1 Start: 600, Stop: 896, Start Num: 142
Candidate Starts for LilBib_1:
(125, 573), (130, 582), (Start: 142 @600 has 394 MA's), (171, 723), (184, 813), (188, 849),

Gene: LilTurb_5 Start: 2548, Stop: 2844, Start Num: 142
Candidate Starts for LilTurb_5:
(Start: 142 @2548 has 394 MA's), (171, 2671),

Gene: Lilbunny_4 Start: 2143, Stop: 2439, Start Num: 139
Candidate Starts for Lilbunny_4:
(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Lilith_1 Start: 527, Stop: 820, Start Num: 129
Candidate Starts for Lilith_1:
(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: LionsBait_4 Start: 2366, Stop: 2662, Start Num: 142
Candidate Starts for LionsBait_4:
(Start: 142 @2366 has 394 MA's),

Gene: LittleCherry_1 Start: 535, Stop: 834, Start Num: 127
Candidate Starts for LittleCherry_1:
(Start: 127 @535 has 40 MA's), (167, 643), (177, 715), (186, 784), (196, 829),

Gene: Lizalica_69 Start: 42687, Stop: 42989, Start Num: 142
Candidate Starts for Lizalica_69:
(Start: 142 @42687 has 394 MA's), (152, 42738), (157, 42753), (169, 42804), (180, 42879), (192, 42978),

Gene: Lockley_2 Start: 739, Stop: 1035, Start Num: 142
Candidate Starts for Lockley_2:
(Start: 142 @739 has 394 MA's), (171, 862), (179, 916), (184, 952), (188, 988),

Gene: Lokk_5 Start: 2540, Stop: 2836, Start Num: 142
Candidate Starts for Lokk_5:
(Start: 142 @2540 has 394 MA's),

Gene: London_69 Start: 43231, Stop: 43533, Start Num: 142
Candidate Starts for London_69:
(Start: 142 @43231 has 394 MA's), (152, 43282), (157, 43297), (169, 43348), (180, 43423), (192, 43522),

Gene: LoneWolf_4 Start: 2099, Stop: 2392, Start Num: 139
Candidate Starts for LoneWolf_4:
(Start: 139 @2099 has 199 MA's), (167, 2201), (171, 2219),

Gene: LonelyBoi_78 Start: 53256, Stop: 53543, Start Num: 146
Candidate Starts for LonelyBoi_78:
(4, 52596), (10, 52755), (13, 52785), (84, 53133), (111, 53199), (Start: 114 @53205 has 1 MA's),
(Start: 146 @53256 has 17 MA's),

Gene: Loofah_3 Start: 682, Stop: 996, Start Num: 140
Candidate Starts for Loofah_3:
(Start: 102 @604 has 1 MA's), (134, 673), (Start: 140 @682 has 50 MA's), (172, 826), (174, 838),

Gene: Looper_4 Start: 2278, Stop: 2574, Start Num: 139
Candidate Starts for Looper_4:
(Start: 139 @2278 has 199 MA's), (161, 2368),

Gene: Lopton_2 Start: 841, Stop: 1137, Start Num: 142
Candidate Starts for Lopton_2:
(Start: 114 @793 has 1 MA's), (Start: 142 @841 has 394 MA's), (171, 964), (184, 1054), (188, 1090),

Gene: Lorelei_2 Start: 726, Stop: 1037, Start Num: 139
Candidate Starts for Lorelei_2:

(Start: 63 @591 has 2 MA's), (Start: 139 @726 has 199 MA's), (158, 798), (164, 828), (174, 879),

Gene: Loser_4 Start: 2277, Stop: 2573, Start Num: 142

Candidate Starts for Loser_4:

(Start: 142 @2277 has 394 MA's), (171, 2400),

Gene: Louie6_1 Start: 527, Stop: 820, Start Num: 129

Candidate Starts for Louie6_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Lozinak_14 Start: 3268, Stop: 3576, Start Num: 142

Candidate Starts for Lozinak_14:

(118, 3238), (Start: 142 @3268 has 394 MA's), (180, 3460), (190, 3532),

Gene: Luchador_4 Start: 2402, Stop: 2698, Start Num: 142

Candidate Starts for Luchador_4:

(Start: 142 @2402 has 394 MA's), (166, 2504), (169, 2513), (170, 2519),

Gene: Lucivia_4 Start: 2353, Stop: 2649, Start Num: 139

Candidate Starts for Lucivia_4:

(Start: 139 @2353 has 199 MA's), (Start: 149 @2386 has 3 MA's), (161, 2443), (196, 2644),

Gene: Lucyedi_4 Start: 2125, Stop: 2418, Start Num: 139

Candidate Starts for Lucyedi_4:

(Start: 139 @2125 has 199 MA's), (157, 2191), (167, 2227), (171, 2245), (172, 2257),

Gene: LugYA_3 Start: 517, Stop: 819, Start Num: 123

Candidate Starts for LugYA_3:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: LunaStella_101 Start: 55262, Stop: 55549, Start Num: 146

Candidate Starts for LunaStella_101:

(16, 54791), (36, 54992), (47, 55031), (64, 55097), (66, 55100), (Start: 114 @55211 has 1 MA's),
(Start: 146 @55262 has 17 MA's),

Gene: LunarLander_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for LunarLander_1:

(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: MA5_1 Start: 429, Stop: 725, Start Num: 142

Candidate Starts for MA5_1:

(122, 420), (Start: 142 @429 has 394 MA's), (157, 498), (172, 564),

Gene: MK4_1 Start: 419, Stop: 715, Start Num: 142

Candidate Starts for MK4_1:

(Start: 69 @293 has 1 MA's), (122, 410), (Start: 142 @419 has 394 MA's), (172, 554),

Gene: MPlant7149_2 Start: 748, Stop: 1044, Start Num: 142

Candidate Starts for MPlant7149_2:

(Start: 142 @748 has 394 MA's), (184, 961), (188, 997),

Gene: MaCh_4 Start: 2353, Stop: 2649, Start Num: 139

Candidate Starts for MaCh_4:

(Start: 139 @2353 has 199 MA's), (Start: 149 @2386 has 3 MA's), (161, 2443), (196, 2644),

Gene: MaGuCo_63 Start: 43554, Stop: 43853, Start Num: 142

Candidate Starts for MaGuCo_63:

(Start: 142 @43554 has 394 MA's), (157, 43620), (158, 43623), (178, 43740), (192, 43845),

Gene: Mabodamaca_75 Start: 48569, Stop: 48868, Start Num: 142

Candidate Starts for Mabodamaca_75:

(37, 48311), (Start: 142 @48569 has 394 MA's), (157, 48635), (169, 48686), (180, 48761),

Gene: MadMarie_1 Start: 518, Stop: 820, Start Num: 123

Candidate Starts for MadMarie_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Magnar_1 Start: 599, Stop: 895, Start Num: 142

Candidate Starts for Magnar_1:

(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: Magnito_1 Start: 535, Stop: 894, Start Num: 106

Candidate Starts for Magnito_1:

(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Mainiac_1 Start: 527, Stop: 820, Start Num: 129

Candidate Starts for Mainiac_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Makemake_2 Start: 1064, Stop: 1360, Start Num: 142

Candidate Starts for Makemake_2:

(Start: 123 @1034 has 34 MA's), (128, 1043), (Start: 138 @1058 has 2 MA's), (Start: 142 @1064 has 394 MA's), (171, 1187), (188, 1313),

Gene: MalagasyRose_85 Start: 53161, Stop: 53499, Start Num: 145

Candidate Starts for MalagasyRose_85:

(79, 53017), (81, 53020), (101, 53065), (113, 53101), (135, 53140), (Start: 145 @53161 has 2 MA's), (169, 53260), (175, 53341),

Gene: Malec_5 Start: 2579, Stop: 2875, Start Num: 142

Candidate Starts for Malec_5:

(Start: 142 @2579 has 394 MA's),

Gene: Malinsilva_3 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for Malinsilva_3:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Maminiaina_4 Start: 2102, Stop: 2395, Start Num: 139

Candidate Starts for Maminiaina_4:

(Start: 139 @2102 has 199 MA's), (167, 2204), (171, 2222),

Gene: Manatee_2 Start: 747, Stop: 1043, Start Num: 142

Candidate Starts for Manatee_2:

(Start: 142 @747 has 394 MA's), (171, 870), (184, 960), (188, 996),

Gene: Maneekul_2 Start: 729, Stop: 1040, Start Num: 139

Candidate Starts for Maneekul_2:

(77, 627), (Start: 139 @729 has 199 MA's), (158, 801), (164, 831), (171, 858), (180, 921),

Gene: Manu_2 Start: 531, Stop: 824, Start Num: 129

Candidate Starts for Manu_2:

(Start: 123 @522 has 34 MA's), (Start: 129 @531 has 46 MA's), (157, 597),

Gene: MarQuardt_1 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for MarQuardt_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Marav_3 Start: 1035, Stop: 1349, Start Num: 140

Candidate Starts for Marav_3:

(77, 909), (Start: 102 @963 has 1 MA's), (Start: 133 @1029 has 2 MA's), (Start: 140 @1035 has 50 MA's), (157, 1104), (172, 1179), (176, 1212),

Gene: Marcell_2 Start: 743, Stop: 1039, Start Num: 142

Candidate Starts for Marcell_2:

(Start: 142 @743 has 394 MA's), (171, 866), (184, 956), (188, 992),

Gene: Marchy_2 Start: 748, Stop: 1044, Start Num: 142

Candidate Starts for Marchy_2:

(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: Marco3_1 Start: 597, Stop: 893, Start Num: 142

Candidate Starts for Marco3_1:

(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Marge_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for Marge_1:

(Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Margo_1 Start: 445, Stop: 741, Start Num: 142

Candidate Starts for Margo_1:

(Start: 142 @445 has 394 MA's), (172, 580),

Gene: Marie_1 Start: 517, Stop: 819, Start Num: 123

Candidate Starts for Marie_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Marius_2 Start: 531, Stop: 824, Start Num: 129

Candidate Starts for Marius_2:

(Start: 123 @522 has 34 MA's), (Start: 129 @531 has 46 MA's), (157, 597),

Gene: Maroc7_1 Start: 600, Stop: 896, Start Num: 142

Candidate Starts for Maroc7_1:

(Start: 106 @537 has 4 MA's), (Start: 123 @573 has 34 MA's), (128, 582), (Start: 142 @600 has 394 MA's), (171, 723), (184, 813), (188, 849),

Gene: Marsha_2 Start: 1060, Stop: 1356, Start Num: 140

Candidate Starts for Marsha_2:

(Start: 123 @1033 has 34 MA's), (128, 1042), (Start: 138 @1057 has 2 MA's), (Start: 140 @1060 has 50 MA's), (171, 1183), (188, 1309),

Gene: MaryBeth_2 Start: 751, Stop: 1047, Start Num: 142

Candidate Starts for MaryBeth_2:

(Start: 142 @751 has 394 MA's), (171, 874), (184, 964), (188, 1000),

Gene: Maureen_69 Start: 45432, Stop: 45731, Start Num: 142

Candidate Starts for Maureen_69:

(Start: 142 @45432 has 394 MA's), (157, 45498), (158, 45501), (178, 45618), (192, 45723),

Gene: McFly_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for McFly_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: McGuire_2 Start: 749, Stop: 1045, Start Num: 142

Candidate Starts for McGuire_2:

(Start: 142 @749 has 394 MA's), (171, 872), (179, 926), (184, 962), (188, 998),

Gene: McSinger_2 Start: 741, Stop: 1049, Start Num: 142

Candidate Starts for McSinger_2:

(94, 636), (Start: 142 @741 has 394 MA's), (171, 864), (184, 954), (188, 990),

Gene: Mendokysei_63 Start: 42026, Stop: 42310, Start Num: 150

Candidate Starts for Mendokysei_63:

(17, 41501), (18, 41540), (21, 41567), (34, 41678), (105, 41906), (Start: 150 @42026 has 1 MA's), (174, 42134), (177, 42173),

Gene: MetalQZJ_2 Start: 751, Stop: 1047, Start Num: 142

Candidate Starts for MetalQZJ_2:

(Start: 142 @751 has 394 MA's), (171, 874), (184, 964), (188, 1000),

Gene: Methuselah_1 Start: 527, Stop: 820, Start Num: 129

Candidate Starts for Methuselah_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Michley_1 Start: 597, Stop: 893, Start Num: 142

Candidate Starts for Michley_1:

(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Microwolf_1 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for Microwolf_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: MiculUcigas_5 Start: 2624, Stop: 2920, Start Num: 142

Candidate Starts for MiculUcigas_5:

(57, 2423), (Start: 142 @2624 has 394 MA's),

Gene: Midas2_1 Start: 503, Stop: 802, Start Num: 127

Candidate Starts for Midas2_1:
(53, 368), (Start: 127 @503 has 40 MA's), (167, 611), (177, 683), (186, 752), (196, 797),

Gene: Miko_5 Start: 2518, Stop: 2814, Start Num: 142
Candidate Starts for Miko_5:
(Start: 142 @2518 has 394 MA's),

Gene: Milcery_1 Start: 534, Stop: 833, Start Num: 127
Candidate Starts for Milcery_1:
(55, 372), (Start: 127 @534 has 40 MA's), (167, 642), (177, 714), (186, 783), (196, 828),

Gene: MinecraftSteve_5 Start: 2425, Stop: 2721, Start Num: 139
Candidate Starts for MinecraftSteve_5:
(Start: 139 @2425 has 199 MA's), (161, 2515),

Gene: MiniMommy_73 Start: 43251, Stop: 43613, Start Num: 137
Candidate Starts for MiniMommy_73:
(80, 43134), (Start: 137 @43251 has 2 MA's), (154, 43320), (157, 43326), (187, 43521), (193, 43554),
(195, 43563),

Gene: Miskis_16 Start: 3268, Stop: 3576, Start Num: 142
Candidate Starts for Miskis_16:
(118, 3238), (Start: 142 @3268 has 394 MA's), (180, 3460), (190, 3532),

Gene: MissSwiss_70 Start: 42246, Stop: 42548, Start Num: 142
Candidate Starts for MissSwiss_70:
(Start: 142 @42246 has 394 MA's), (169, 42363), (177, 42429), (192, 42537),

Gene: MissWhite_4 Start: 2314, Stop: 2610, Start Num: 139
Candidate Starts for MissWhite_4:
(Start: 139 @2314 has 199 MA's),

Gene: Mkhuseli_1 Start: 600, Stop: 896, Start Num: 142
Candidate Starts for Mkhuseli_1:
(Start: 106 @537 has 4 MA's), (Start: 123 @573 has 34 MA's), (128, 582), (Start: 142 @600 has 394 MA's), (171, 723), (184, 813), (188, 849),

Gene: Molly_2 Start: 748, Stop: 1044, Start Num: 142
Candidate Starts for Molly_2:
(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: Mollymur_10 Start: 5419, Stop: 5724, Start Num: 142
Candidate Starts for Mollymur_10:
(Start: 142 @5419 has 394 MA's), (176, 5590), (199, 5719),

Gene: Monet_2 Start: 750, Stop: 1046, Start Num: 142
Candidate Starts for Monet_2:
(Start: 142 @750 has 394 MA's), (171, 873), (184, 963), (188, 999),

Gene: MoneyMay_1 Start: 517, Stop: 819, Start Num: 123
Candidate Starts for MoneyMay_1:
(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Moose_1 Start: 596, Stop: 892, Start Num: 142
Candidate Starts for Moose_1:
(Start: 106 @533 has 4 MA's), (Start: 123 @569 has 34 MA's), (128, 578), (Start: 142 @596 has 394 MA's), (171, 719), (179, 773), (184, 809), (188, 845),

Gene: MortyNRick_99 Start: 53600, Stop: 53893, Start Num: 147
Candidate Starts for MortyNRick_99:
(68, 53429), (Start: 147 @53600 has 5 MA's),

Gene: MrGordo_1 Start: 570, Stop: 905, Start Num: 123
Candidate Starts for MrGordo_1:
(107, 534), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Mryolo_1 Start: 599, Stop: 895, Start Num: 142
Candidate Starts for Mryolo_1:
(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: Mudpuppy_68 Start: 43455, Stop: 43757, Start Num: 142
Candidate Starts for Mudpuppy_68:
(Start: 142 @43455 has 394 MA's), (152, 43506), (157, 43521), (169, 43572), (180, 43647), (192, 43746),

Gene: Mulciber_4 Start: 2359, Stop: 2655, Start Num: 139
Candidate Starts for Mulciber_4:
(Start: 139 @2359 has 199 MA's), (Start: 149 @2392 has 3 MA's), (161, 2449), (196, 2650),

Gene: Mule_1 Start: 595, Stop: 891, Start Num: 142
Candidate Starts for Mule_1:
(Start: 106 @532 has 4 MA's), (Start: 123 @568 has 34 MA's), (128, 577), (Start: 138 @592 has 2 MA's), (Start: 142 @595 has 394 MA's), (171, 718), (184, 808), (188, 844),

Gene: Munch_4 Start: 2356, Stop: 2652, Start Num: 139
Candidate Starts for Munch_4:
(Start: 139 @2356 has 199 MA's), (Start: 149 @2389 has 3 MA's), (161, 2446), (196, 2647),

Gene: Museum_3 Start: 748, Stop: 1044, Start Num: 142
Candidate Starts for Museum_3:
(Start: 142 @748 has 394 MA's), (184, 961), (188, 997),

Gene: MyraDee_1 Start: 377, Stop: 667, Start Num: 141
Candidate Starts for MyraDee_1:
(Start: 141 @377 has 1 MA's), (157, 440), (172, 506), (186, 617),

Gene: Myxus_4 Start: 2335, Stop: 2628, Start Num: 139
Candidate Starts for Myxus_4:
(Start: 119 @2308 has 3 MA's), (Start: 139 @2335 has 199 MA's), (167, 2437), (171, 2455),

Gene: NEHalo_2 Start: 747, Stop: 1043, Start Num: 142
Candidate Starts for NEHalo_2:
(Start: 142 @747 has 394 MA's), (171, 870), (184, 960), (188, 996),

Gene: NaSiaTalie_5 Start: 2624, Stop: 2920, Start Num: 142

Candidate Starts for NaSiaTalie_5:

(57, 2423), (Start: 142 @2624 has 394 MA's),

Gene: Nabi_2 Start: 726, Stop: 1037, Start Num: 139

Candidate Starts for Nabi_2:

(Start: 63 @591 has 2 MA's), (Start: 139 @726 has 199 MA's), (158, 798), (164, 828), (174, 879),

Gene: Naca_1 Start: 505, Stop: 804, Start Num: 127

Candidate Starts for Naca_1:

(Start: 127 @505 has 40 MA's), (Start: 144 @520 has 1 MA's), (167, 613), (186, 754), (196, 799),

Gene: Naira_1 Start: 606, Stop: 902, Start Num: 142

Candidate Starts for Naira_1:

(Start: 106 @543 has 4 MA's), (Start: 123 @579 has 34 MA's), (128, 588), (Start: 142 @606 has 394 MA's), (171, 729), (179, 783), (184, 819), (188, 855),

Gene: Nairb_57 Start: 40896, Stop: 41195, Start Num: 72

Candidate Starts for Nairb_57:

(32, 40761), (44, 40821), (Start: 72 @40896 has 6 MA's), (174, 41019),

Gene: Naji_4 Start: 2345, Stop: 2641, Start Num: 139

Candidate Starts for Naji_4:

(Start: 139 @2345 has 199 MA's),

Gene: Nanodon_3 Start: 713, Stop: 1027, Start Num: 139

Candidate Starts for Nanodon_3:

(70, 602), (99, 632), (Start: 139 @713 has 199 MA's), (158, 785), (174, 869),

Gene: NearlyHeadless_1 Start: 505, Stop: 798, Start Num: 142

Candidate Starts for NearlyHeadless_1:

(Start: 142 @505 has 394 MA's), (177, 679), (188, 757), (196, 793),

Gene: Nebulosus_4 Start: 2278, Stop: 2574, Start Num: 139

Candidate Starts for Nebulosus_4:

(Start: 139 @2278 has 199 MA's), (161, 2368),

Gene: Nedarya_4 Start: 2247, Stop: 2543, Start Num: 139

Candidate Starts for Nedarya_4:

(Start: 139 @2247 has 199 MA's),

Gene: Neeharika16_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Neeharika16_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Nerdos_2 Start: 740, Stop: 1054, Start Num: 139

Candidate Starts for Nerdos_2:

(65, 629), (90, 656), (Start: 139 @740 has 199 MA's), (174, 896),

Gene: Nergal_81 Start: 54725, Stop: 55063, Start Num: 145

Candidate Starts for Nergal_81:

(Start: 145 @54725 has 2 MA's), (166, 54815), (169, 54824), (175, 54905),

Gene: Nerujay_1 Start: 598, Stop: 906, Start Num: 142
Candidate Starts for Nerujay_1:
(107, 535), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721),
(184, 811), (188, 847),

Gene: Nette_66 Start: 41850, Stop: 42134, Start Num: 75
Candidate Starts for Nette_66:
(22, 41607), (75, 41850), (177, 41997),

Gene: Newrala_4 Start: 2143, Stop: 2439, Start Num: 139
Candidate Starts for Newrala_4:
(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Nhonho_2 Start: 746, Stop: 1042, Start Num: 142
Candidate Starts for Nhonho_2:
(Start: 142 @746 has 394 MA's), (184, 959), (188, 995),

Gene: Nibbles_67 Start: 45280, Stop: 45597, Start Num: 142
Candidate Starts for Nibbles_67:
(Start: 142 @45280 has 394 MA's), (174, 45418), (183, 45487),

Gene: NicoleTera_4 Start: 2315, Stop: 2611, Start Num: 142
Candidate Starts for NicoleTera_4:
(Start: 142 @2315 has 394 MA's),

Gene: Niobe_69 Start: 43234, Stop: 43536, Start Num: 142
Candidate Starts for Niobe_69:
(Start: 142 @43234 has 394 MA's), (152, 43285), (157, 43300), (169, 43351), (180, 43426), (192,
43525),

Gene: Nishikigoi_2 Start: 652, Stop: 966, Start Num: 140
Candidate Starts for Nishikigoi_2:
(Start: 133 @643 has 2 MA's), (Start: 140 @652 has 50 MA's), (172, 796), (176, 829),

Gene: Nitro_70 Start: 44009, Stop: 44311, Start Num: 142
Candidate Starts for Nitro_70:
(Start: 142 @44009 has 394 MA's), (157, 44075), (169, 44126), (180, 44201), (192, 44300),

Gene: Niza_3 Start: 1297, Stop: 1593, Start Num: 142
Candidate Starts for Niza_3:
(Start: 114 @1249 has 1 MA's), (Start: 142 @1297 has 394 MA's), (171, 1420), (188, 1546),

Gene: Noella_1 Start: 445, Stop: 741, Start Num: 142
Candidate Starts for Noella_1:
(Start: 142 @445 has 394 MA's), (172, 580),

Gene: Norvs_14 Start: 3268, Stop: 3576, Start Num: 142
Candidate Starts for Norvs_14:
(118, 3238), (Start: 142 @3268 has 394 MA's), (180, 3460), (190, 3532),

Gene: Norz_2 Start: 745, Stop: 1041, Start Num: 142
Candidate Starts for Norz_2:
(Start: 142 @745 has 394 MA's), (171, 868), (184, 958), (188, 994),

Gene: OKCentral2016_1 Start: 464, Stop: 760, Start Num: 127

Candidate Starts for OKCentral2016_1:

(86, 377), (Start: 127 @464 has 40 MA's),

Gene: ObiToo_74 Start: 43593, Stop: 43895, Start Num: 142

Candidate Starts for ObiToo_74:

(Start: 142 @43593 has 394 MA's), (180, 43785), (192, 43884),

Gene: Odin_3 Start: 2153, Stop: 2449, Start Num: 139

Candidate Starts for Odin_3:

(Start: 139 @2153 has 199 MA's), (181, 2348),

Gene: Ohno789_1 Start: 597, Stop: 893, Start Num: 142

Candidate Starts for Ohno789_1:

(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: OlanP_1 Start: 710, Stop: 1003, Start Num: 129

Candidate Starts for OlanP_1:

(Start: 129 @710 has 46 MA's), (157, 776),

Gene: Oliynyk_2 Start: 746, Stop: 1060, Start Num: 139

Candidate Starts for Oliynyk_2:

(99, 668), (Start: 139 @746 has 199 MA's), (174, 902),

Gene: Ollie_1 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for Ollie_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Omar_2 Start: 651, Stop: 965, Start Num: 140

Candidate Starts for Omar_2:

(Start: 133 @642 has 2 MA's), (Start: 140 @651 has 50 MA's), (172, 795), (176, 828),

Gene: OneUp_9 Start: 2116, Stop: 2424, Start Num: 142

Candidate Starts for OneUp_9:

(109, 2056), (Start: 142 @2116 has 394 MA's), (176, 2290), (182, 2326),

Gene: Oogway_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for Oogway_1:

(Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (188, 847),

Gene: Orange_4 Start: 2389, Stop: 2652, Start Num: 149

Candidate Starts for Orange_4:

(Start: 139 @2356 has 199 MA's), (Start: 149 @2389 has 3 MA's), (161, 2446), (196, 2647),

Gene: Ozzie_2 Start: 739, Stop: 1053, Start Num: 139

Candidate Starts for Ozzie_2:

(Start: 139 @739 has 199 MA's), (174, 895),

Gene: OzzyJ_3 Start: 730, Stop: 1041, Start Num: 139

Candidate Starts for OzzyJ_3:

(Start: 63 @589 has 2 MA's), (77, 628), (Start: 139 @730 has 199 MA's), (158, 802), (174, 883),

Gene: P28Green_1 Start: 517, Stop: 819, Start Num: 123
Candidate Starts for P28Green_1:
(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: PGHhamlin_3 Start: 526, Stop: 819, Start Num: 129
Candidate Starts for PGHhamlin_3:
(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: PSullivan_2 Start: 834, Stop: 1130, Start Num: 142
Candidate Starts for PSullivan_2:
(Start: 114 @786 has 1 MA's), (Start: 142 @834 has 394 MA's), (171, 957), (184, 1047), (188, 1083),

Gene: Pablito_2 Start: 689, Stop: 1003, Start Num: 140
Candidate Starts for Pablito_2:
(Start: 140 @689 has 50 MA's), (172, 833), (174, 845), (176, 866),

Gene: PacerPaul_2 Start: 835, Stop: 1131, Start Num: 142
Candidate Starts for PacerPaul_2:
(Start: 114 @787 has 1 MA's), (Start: 142 @835 has 394 MA's), (171, 958), (184, 1048), (188, 1084),

Gene: PackMan_4 Start: 2335, Stop: 2628, Start Num: 139
Candidate Starts for PackMan_4:
(Start: 119 @2308 has 3 MA's), (Start: 139 @2335 has 199 MA's), (167, 2437), (171, 2455),

Gene: Paedore_3 Start: 682, Stop: 996, Start Num: 140
Candidate Starts for Paedore_3:
(Start: 102 @604 has 1 MA's), (134, 673), (Start: 140 @682 has 50 MA's), (172, 826), (174, 838),

Gene: PainterBoy_4 Start: 2125, Stop: 2418, Start Num: 139
Candidate Starts for PainterBoy_4:
(Start: 139 @2125 has 199 MA's), (157, 2191), (167, 2227), (171, 2245), (172, 2257),

Gene: Paolo_3 Start: 1034, Stop: 1348, Start Num: 140
Candidate Starts for Paolo_3:
(65, 881), (Start: 102 @962 has 1 MA's), (Start: 133 @1028 has 2 MA's), (Start: 140 @1034 has 50 MA's), (157, 1103), (172, 1178),

Gene: Papez_2 Start: 785, Stop: 1129, Start Num: 114
Candidate Starts for Papez_2:
(Start: 114 @785 has 1 MA's), (Start: 142 @833 has 394 MA's), (160, 908), (171, 956), (184, 1046), (188, 1082),

Gene: Paphu_1 Start: 597, Stop: 893, Start Num: 142
Candidate Starts for Paphu_1:
(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Paraselene_1 Start: 597, Stop: 893, Start Num: 142
Candidate Starts for Paraselene_1:
(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Pari_2 Start: 735, Stop: 1031, Start Num: 142
Candidate Starts for Pari_2:
(Start: 142 @735 has 394 MA's), (171, 858), (184, 948), (188, 984),

Gene: Parliament_1 Start: 598, Stop: 894, Start Num: 142
Candidate Starts for Parliament_1:
(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: PascalRango_2 Start: 747, Stop: 1043, Start Num: 142
Candidate Starts for PascalRango_2:
(Start: 142 @747 has 394 MA's), (171, 870), (184, 960), (188, 996),

Gene: PattyP_2 Start: 748, Stop: 1044, Start Num: 142
Candidate Starts for PattyP_2:
(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: Pavo_3 Start: 974, Stop: 1288, Start Num: 140
Candidate Starts for Pavo_3:
(51, 770), (52, 773), (Start: 63 @815 has 2 MA's), (64, 824), (94, 875), (134, 968), (Start: 140 @974 has 50 MA's), (157, 1043), (172, 1118), (176, 1151),

Gene: Pawn_1 Start: 522, Stop: 824, Start Num: 123
Candidate Starts for Pawn_1:
(Start: 123 @522 has 34 MA's), (Start: 129 @531 has 46 MA's), (157, 597),

Gene: Payneful_2 Start: 748, Stop: 1044, Start Num: 142
Candidate Starts for Payneful_2:
(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: PeaceMeal1_1 Start: 474, Stop: 770, Start Num: 127
Candidate Starts for PeaceMeal1_1:
(46, 270), (Start: 127 @474 has 40 MA's), (172, 609),

Gene: Pelly_2 Start: 782, Stop: 1078, Start Num: 142
Candidate Starts for Pelly_2:
(Start: 142 @782 has 394 MA's), (171, 905), (184, 995), (188, 1031),

Gene: Pembroke_1 Start: 517, Stop: 819, Start Num: 123
Candidate Starts for Pembroke_1:
(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Penny1_1 Start: 526, Stop: 819, Start Num: 129
Candidate Starts for Penny1_1:
(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Pepe_2 Start: 860, Stop: 1165, Start Num: 142
Candidate Starts for Pepe_2:
(Start: 114 @812 has 1 MA's), (Start: 142 @860 has 394 MA's), (171, 983), (184, 1073), (188, 1109),

Gene: Percival_75 Start: 46934, Stop: 47236, Start Num: 142
Candidate Starts for Percival_75:
(Start: 142 @46934 has 394 MA's), (157, 47000), (169, 47051), (172, 47075),

Gene: Perseus_1 Start: 595, Stop: 891, Start Num: 142

Candidate Starts for Perseus_1:

(Start: 106 @532 has 4 MA's), (Start: 123 @568 has 34 MA's), (128, 577), (Start: 138 @592 has 2 MA's), (Start: 142 @595 has 394 MA's), (171, 718), (184, 808), (188, 844),

Gene: Peterson_1 Start: 599, Stop: 895, Start Num: 142

Candidate Starts for Peterson_1:

(Start: 123 @572 has 34 MA's), (128, 581), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: Petp2012_2 Start: 748, Stop: 1044, Start Num: 142

Candidate Starts for Petp2012_2:

(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: Petruchio_2 Start: 749, Stop: 1045, Start Num: 142

Candidate Starts for Petruchio_2:

(Start: 142 @749 has 394 MA's), (171, 872), (184, 962), (188, 998),

Gene: PetterN_1 Start: 502, Stop: 801, Start Num: 127

Candidate Starts for PetterN_1:

(Start: 127 @502 has 40 MA's), (Start: 144 @517 has 1 MA's), (167, 610), (186, 751), (196, 796),

Gene: Ph8s_4 Start: 2160, Stop: 2456, Start Num: 139

Candidate Starts for Ph8s_4:

(101, 2076), (Start: 139 @2160 has 199 MA's), (176, 2328),

Gene: Phaded_4 Start: 2109, Stop: 2405, Start Num: 139

Candidate Starts for Phaded_4:

(Start: 139 @2109 has 199 MA's), (163, 2208), (181, 2304),

Gene: Phaeder_4 Start: 2335, Stop: 2628, Start Num: 139

Candidate Starts for Phaeder_4:

(Start: 119 @2308 has 3 MA's), (Start: 139 @2335 has 199 MA's), (167, 2437), (171, 2455),

Gene: Phantastic_1 Start: 425, Stop: 721, Start Num: 126

Candidate Starts for Phantastic_1:

(125, 422), (Start: 126 @425 has 3 MA's), (172, 560),

Gene: Pharaoh_4 Start: 2218, Stop: 2514, Start Num: 140

Candidate Starts for Pharaoh_4:

(Start: 140 @2218 has 50 MA's), (170, 2335),

Gene: PherrisBueller_2 Start: 863, Stop: 1171, Start Num: 142

Candidate Starts for PherrisBueller_2:

(Start: 114 @815 has 1 MA's), (Start: 142 @863 has 394 MA's), (171, 986), (184, 1076), (188, 1112),

Gene: Phettuccine_2 Start: 740, Stop: 1054, Start Num: 139

Candidate Starts for Phettuccine_2:

(65, 629), (90, 656), (Start: 139 @740 has 199 MA's), (174, 896),

Gene: Phillis_1 Start: 505, Stop: 798, Start Num: 142

Candidate Starts for Phillis_1:

(Start: 142 @505 has 394 MA's), (161, 592), (177, 679), (188, 757), (196, 793),

Gene: PhineBark_1 Start: 581, Stop: 895, Start Num: 128

Candidate Starts for PhineBark_1:

(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: PhinkBoden_15 Start: 3766, Stop: 4074, Start Num: 142

Candidate Starts for PhinkBoden_15:

(118, 3736), (Start: 142 @3766 has 394 MA's), (190, 4030),

Gene: PhishRPhriends_1 Start: 531, Stop: 824, Start Num: 129

Candidate Starts for PhishRPhriends_1:

(Start: 123 @522 has 34 MA's), (Start: 129 @531 has 46 MA's), (157, 597),

Gene: Phives_70 Start: 43835, Stop: 44137, Start Num: 142

Candidate Starts for Phives_70:

(Start: 142 @43835 has 394 MA's), (157, 43901), (169, 43952), (180, 44027), (192, 44126),

Gene: Phlippers_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for Phlippers_1:

(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Phlorence_1 Start: 534, Stop: 833, Start Num: 127

Candidate Starts for Phlorence_1:

(55, 372), (Start: 127 @534 has 40 MA's), (167, 642), (177, 714), (186, 783), (196, 828),

Gene: Phoebe_1 Start: 517, Stop: 819, Start Num: 123

Candidate Starts for Phoebe_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Phonnegut_4 Start: 2335, Stop: 2628, Start Num: 139

Candidate Starts for Phonnegut_4:

(Start: 119 @2308 has 3 MA's), (Start: 139 @2335 has 199 MA's), (167, 2437), (171, 2455),

Gene: Phoxy_1 Start: 527, Stop: 820, Start Num: 129

Candidate Starts for Phoxy_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Phranny_2 Start: 531, Stop: 824, Start Num: 129

Candidate Starts for Phranny_2:

(Start: 123 @522 has 34 MA's), (Start: 129 @531 has 46 MA's), (157, 597),

Gene: PhrostyMug_1 Start: 532, Stop: 891, Start Num: 106

Candidate Starts for PhrostyMug_1:

(Start: 106 @532 has 4 MA's), (Start: 123 @568 has 34 MA's), (128, 577), (Start: 138 @592 has 2 MA's), (Start: 142 @595 has 394 MA's), (171, 718), (184, 808), (188, 844),

Gene: PickleBack_1 Start: 535, Stop: 834, Start Num: 127

Candidate Starts for PickleBack_1:

(Start: 127 @535 has 40 MA's), (167, 643), (177, 715), (186, 784), (196, 829),

Gene: PinkPlastic_1 Start: 597, Stop: 893, Start Num: 142

Candidate Starts for PinkPlastic_1:

(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (179, 774), (184, 810), (188, 846),

Gene: Pinto_1 Start: 535, Stop: 894, Start Num: 106

Candidate Starts for Pinto_1:

(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Pioneer_4 Start: 2335, Stop: 2628, Start Num: 139

Candidate Starts for Pioneer_4:

(Start: 119 @2308 has 3 MA's), (Start: 139 @2335 has 199 MA's), (167, 2437), (171, 2455),

Gene: Pippin_2 Start: 749, Stop: 1057, Start Num: 142

Candidate Starts for Pippin_2:

(Start: 142 @749 has 394 MA's), (171, 872), (184, 962), (188, 998),

Gene: Piro94_4 Start: 2628, Stop: 2924, Start Num: 142

Candidate Starts for Piro94_4:

(57, 2427), (Start: 142 @2628 has 394 MA's),

Gene: Pistachio_1 Start: 420, Stop: 716, Start Num: 142

Candidate Starts for Pistachio_1:

(Start: 142 @420 has 394 MA's), (172, 555),

Gene: Pita2_2 Start: 834, Stop: 1130, Start Num: 142

Candidate Starts for Pita2_2:

(Start: 114 @786 has 1 MA's), (Start: 142 @834 has 394 MA's), (171, 957), (184, 1047), (188, 1083),

Gene: Pixelle_68 Start: 43980, Stop: 44282, Start Num: 142

Candidate Starts for Pixelle_68:

(Start: 142 @43980 has 394 MA's), (157, 44046), (169, 44097), (180, 44172), (192, 44271),

Gene: Pmask_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Pmask_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Pocahontas_1 Start: 445, Stop: 741, Start Num: 142

Candidate Starts for Pocahontas_1:

(Start: 142 @445 has 394 MA's), (172, 580),

Gene: Pollux_82 Start: 52125, Stop: 52415, Start Num: 146

Candidate Starts for Pollux_82:

(9, 51612), (23, 51762), (24, 51771), (26, 51798), (29, 51816), (32, 51840), (40, 51879), (42, 51891), (43, 51894), (96, 52029), (Start: 146 @52125 has 17 MA's),

Gene: Pomar16_4 Start: 2345, Stop: 2641, Start Num: 139

Candidate Starts for Pomar16_4:

(Start: 139 @2345 has 199 MA's),

Gene: Poompha_1 Start: 472, Stop: 768, Start Num: 127

Candidate Starts for Poompha_1:

(39, 247), (Start: 127 @472 has 40 MA's), (172, 607),

Gene: Posh_79 Start: 51944, Stop: 52234, Start Num: 146

Candidate Starts for Posh_79:

(111, 51887), (Start: 114 @51893 has 1 MA's), (Start: 146 @51944 has 17 MA's),

Gene: PotatoSplit_2 Start: 517, Stop: 819, Start Num: 123

Candidate Starts for PotatoSplit_2:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Poushou_54 Start: 39982, Stop: 40287, Start Num: 142

Candidate Starts for Poushou_54:

(Start: 142 @39982 has 394 MA's), (160, 40057), (163, 40078), (176, 40159),

Gene: Power_5 Start: 2567, Stop: 2863, Start Num: 142

Candidate Starts for Power_5:

(Start: 142 @2567 has 394 MA's), (171, 2690),

Gene: Powerpuff_71 Start: 44281, Stop: 44583, Start Num: 142

Candidate Starts for Powerpuff_71:

(Start: 142 @44281 has 394 MA's), (152, 44332), (157, 44347), (169, 44398), (180, 44473), (192, 44572),

Gene: Priamo_4 Start: 2158, Stop: 2454, Start Num: 139

Candidate Starts for Priamo_4:

(Start: 139 @2158 has 199 MA's), (172, 2293),

Gene: Priya_4 Start: 2332, Stop: 2625, Start Num: 139

Candidate Starts for Priya_4:

(Start: 119 @2305 has 3 MA's), (Start: 139 @2332 has 199 MA's), (167, 2434), (171, 2452),

Gene: ProMouse_1 Start: 596, Stop: 892, Start Num: 142

Candidate Starts for ProMouse_1:

(Start: 106 @533 has 4 MA's), (Start: 123 @569 has 34 MA's), (128, 578), (Start: 142 @596 has 394 MA's), (171, 719), (188, 845),

Gene: Provolone_4 Start: 978, Stop: 1292, Start Num: 140

Candidate Starts for Provolone_4:

(60, 825), (76, 858), (84, 864), (Start: 88 @870 has 2 MA's), (134, 972), (Start: 140 @978 has 50 MA's), (157, 1047), (172, 1122), (176, 1155),

Gene: Puginator_3 Start: 1036, Stop: 1350, Start Num: 140

Candidate Starts for Puginator_3:

(65, 883), (Start: 102 @964 has 1 MA's), (Start: 133 @1030 has 2 MA's), (Start: 140 @1036 has 50 MA's), (157, 1105), (172, 1180),

Gene: Pukovnik_4 Start: 2088, Stop: 2384, Start Num: 139

Candidate Starts for Pukovnik_4:

(Start: 139 @2088 has 199 MA's), (181, 2283),

Gene: Puppy_1 Start: 420, Stop: 716, Start Num: 142

Candidate Starts for Puppy_1:

(Start: 142 @420 has 394 MA's), (172, 555),

Gene: PurpleHaze_1 Start: 522, Stop: 824, Start Num: 123
Candidate Starts for PurpleHaze_1:
(Start: 123 @522 has 34 MA's), (Start: 129 @531 has 46 MA's), (157, 597),

Gene: Pytheas_83 Start: 53170, Stop: 53460, Start Num: 146
Candidate Starts for Pytheas_83:
(111, 53113), (Start: 114 @53119 has 1 MA's), (Start: 146 @53170 has 17 MA's),

Gene: QTRlifeCrisis_1 Start: 597, Stop: 893, Start Num: 142
Candidate Starts for QTRlifeCrisis_1:
(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Qobbit_4 Start: 2305, Stop: 2625, Start Num: 119
Candidate Starts for Qobbit_4:
(Start: 119 @2305 has 3 MA's), (Start: 139 @2332 has 199 MA's), (167, 2434), (171, 2452),

Gene: QueenB2_5 Start: 2671, Stop: 2967, Start Num: 142
Candidate Starts for QueenB2_5:
(Start: 142 @2671 has 394 MA's), (171, 2794),

Gene: QueenBeesly_5 Start: 2568, Stop: 2864, Start Num: 142
Candidate Starts for QueenBeesly_5:
(Start: 142 @2568 has 394 MA's), (171, 2691),

Gene: R4_1 Start: 671, Stop: 985, Start Num: 140
Candidate Starts for R4_1:
(54, 464), (Start: 102 @593 has 1 MA's), (134, 662), (Start: 140 @671 has 50 MA's), (172, 815), (174, 827),

Gene: Rachaly_5 Start: 2538, Stop: 2834, Start Num: 142
Candidate Starts for Rachaly_5:
(Start: 142 @2538 has 394 MA's),

Gene: Rahalelujah_4 Start: 2102, Stop: 2395, Start Num: 139
Candidate Starts for Rahalelujah_4:
(Start: 139 @2102 has 199 MA's), (167, 2204), (171, 2222),

Gene: Raid_3 Start: 783, Stop: 1079, Start Num: 142
Candidate Starts for Raid_3:
(Start: 142 @783 has 394 MA's), (171, 906), (184, 996), (188, 1032),

Gene: Rajelicia_2 Start: 750, Stop: 1046, Start Num: 142
Candidate Starts for Rajelicia_2:
(Start: 142 @750 has 394 MA's), (171, 873), (184, 963), (188, 999),

Gene: Rana_2 Start: 726, Stop: 1037, Start Num: 139
Candidate Starts for Rana_2:
(Start: 63 @591 has 2 MA's), (Start: 139 @726 has 199 MA's), (158, 798), (164, 828), (174, 879),

Gene: ReMo_4 Start: 2278, Stop: 2574, Start Num: 139
Candidate Starts for ReMo_4:

(Start: 139 @2278 has 199 MA's), (161, 2368),

Gene: Reba_2 Start: 531, Stop: 824, Start Num: 129

Candidate Starts for Reba_2:

(Start: 123 @522 has 34 MA's), (Start: 129 @531 has 46 MA's), (157, 597),

Gene: RedBear_3 Start: 726, Stop: 1040, Start Num: 139

Candidate Starts for RedBear_3:

(62, 582), (Start: 139 @726 has 199 MA's), (158, 798), (174, 882),

Gene: RedRock_4 Start: 2278, Stop: 2574, Start Num: 142

Candidate Starts for RedRock_4:

(Start: 142 @2278 has 394 MA's), (171, 2401),

Gene: Reedo_68 Start: 41440, Stop: 41742, Start Num: 142

Candidate Starts for Reedo_68:

(Start: 142 @41440 has 394 MA's), (154, 41500), (157, 41506), (169, 41557), (180, 41632), (192, 41731), (193, 41734),

Gene: Refuge_4 Start: 2250, Stop: 2546, Start Num: 142

Candidate Starts for Refuge_4:

(Start: 142 @2250 has 394 MA's),

Gene: Remus_4 Start: 2278, Stop: 2574, Start Num: 139

Candidate Starts for Remus_4:

(Start: 139 @2278 has 199 MA's),

Gene: Renaud18_112 Start: 57550, Stop: 57837, Start Num: 146

Candidate Starts for Renaud18_112:

(16, 57079), (36, 57280), (47, 57319), (64, 57385), (66, 57388), (Start: 114 @57499 has 1 MA's), (Start: 146 @57550 has 17 MA's),

Gene: ResDef_1 Start: 445, Stop: 741, Start Num: 142

Candidate Starts for ResDef_1:

(Start: 142 @445 has 394 MA's), (172, 580),

Gene: Retro23_5 Start: 2671, Stop: 2967, Start Num: 142

Candidate Starts for Retro23_5:

(Start: 142 @2671 has 394 MA's), (171, 2794),

Gene: RhynO_1 Start: 474, Stop: 770, Start Num: 127

Candidate Starts for RhynO_1:

(Start: 127 @474 has 40 MA's), (172, 609),

Gene: Rhynn_1 Start: 748, Stop: 1044, Start Num: 142

Candidate Starts for Rhynn_1:

(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: RidgeCB_2 Start: 748, Stop: 1044, Start Num: 142

Candidate Starts for RidgeCB_2:

(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: Rifter_4 Start: 2132, Stop: 2428, Start Num: 139

Candidate Starts for Riffer_4:
(Start: 139 @2132 has 199 MA's), (172, 2267),

Gene: Ringer_1 Start: 597, Stop: 893, Start Num: 142
Candidate Starts for Ringer_1:
(Start: 123 @570 has 34 MA's), (128, 579), (Start: 138 @594 has 2 MA's), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Roary_1 Start: 505, Stop: 798, Start Num: 142
Candidate Starts for Roary_1:
(Start: 142 @505 has 394 MA's), (161, 592), (177, 679), (188, 757), (196, 793),

Gene: Rohr_2 Start: 832, Stop: 1128, Start Num: 142
Candidate Starts for Rohr_2:
(Start: 114 @784 has 1 MA's), (Start: 142 @832 has 394 MA's), (171, 955), (184, 1045), (188, 1081),

Gene: Roksolana_4 Start: 2143, Stop: 2439, Start Num: 139
Candidate Starts for Roksolana_4:
(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: RonRayGun_59 Start: 41099, Stop: 41398, Start Num: 72
Candidate Starts for RonRayGun_59:
(Start: 72 @41099 has 6 MA's), (174, 41222),

Gene: Rosalind_4 Start: 2425, Stop: 2721, Start Num: 139
Candidate Starts for Rosalind_4:
(Start: 139 @2425 has 199 MA's), (161, 2515),

Gene: Rubeus_2 Start: 748, Stop: 1044, Start Num: 142
Candidate Starts for Rubeus_2:
(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: Rufus_2 Start: 747, Stop: 1043, Start Num: 142
Candidate Starts for Rufus_2:
(Start: 142 @747 has 394 MA's), (171, 870), (184, 960), (188, 996),

Gene: Rummer_1 Start: 518, Stop: 820, Start Num: 123
Candidate Starts for Rummer_1:
(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Ruotula_2 Start: 1335, Stop: 1625, Start Num: 148
Candidate Starts for Ruotula_2:
(20, 900), (33, 1008), (35, 1017), (74, 1173), (80, 1182), (82, 1185), (Start: 148 @1335 has 3 MA's), (151, 1362), (184, 1542), (188, 1578),

Gene: Rusticus_2 Start: 746, Stop: 1060, Start Num: 139
Candidate Starts for Rusticus_2:
(99, 668), (Start: 139 @746 has 199 MA's), (174, 902),

Gene: Rutherford_1 Start: 597, Stop: 893, Start Num: 142
Candidate Starts for Rutherford_1:
(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: RyeScarlet_5 Start: 2335, Stop: 2628, Start Num: 139

Candidate Starts for RyeScarlet_5:

(Start: 119 @2308 has 3 MA's), (Start: 139 @2335 has 199 MA's), (167, 2437), (171, 2455),

Gene: SPB78_77 Start: 49993, Stop: 50292, Start Num: 138

Candidate Starts for SPB78_77:

(Start: 138 @49993 has 2 MA's), (153, 50050), (168, 50110),

Gene: STLscum_2 Start: 861, Stop: 1166, Start Num: 142

Candidate Starts for STLscum_2:

(Start: 114 @813 has 1 MA's), (Start: 142 @861 has 394 MA's), (171, 984), (184, 1074), (188, 1110),

Gene: Sabia_1 Start: 518, Stop: 820, Start Num: 123

Candidate Starts for Sabia_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Sabinator_1 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for Sabinator_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Saftant_2 Start: 978, Stop: 1292, Start Num: 140

Candidate Starts for Saftant_2:

(68, 831), (83, 855), (Start: 89 @864 has 1 MA's), (134, 969), (136, 972), (Start: 140 @978 has 50 MA's), (172, 1122),

Gene: Sagefire_2 Start: 699, Stop: 995, Start Num: 142

Candidate Starts for Sagefire_2:

(Start: 142 @699 has 394 MA's), (171, 822), (184, 912), (188, 948),

Gene: Saintus_1 Start: 505, Stop: 798, Start Num: 142

Candidate Starts for Saintus_1:

(Start: 142 @505 has 394 MA's), (161, 592), (177, 679), (188, 757), (196, 793),

Gene: Salz_4 Start: 2356, Stop: 2652, Start Num: 139

Candidate Starts for Salz_4:

(Start: 139 @2356 has 199 MA's), (Start: 149 @2389 has 3 MA's), (161, 2446), (196, 2647),

Gene: Samy_101 Start: 60454, Stop: 60759, Start Num: 142

Candidate Starts for Samy_101:

(Start: 142 @60454 has 394 MA's), (163, 60550), (169, 60571), (172, 60595), (176, 60628), (187, 60712), (189, 60718),

Gene: Sanya_1 Start: 1334, Stop: 1624, Start Num: 148

Candidate Starts for Sanya_1:

(20, 899), (35, 1016), (74, 1172), (80, 1181), (82, 1184), (Start: 148 @1334 has 3 MA's), (151, 1361), (184, 1541), (188, 1577),

Gene: SarFire_2 Start: 757, Stop: 1053, Start Num: 142

Candidate Starts for SarFire_2:

(Start: 142 @757 has 394 MA's), (171, 880), (184, 970), (188, 1006),

Gene: SarahRose_2 Start: 729, Stop: 1040, Start Num: 139

Candidate Starts for SarahRose_2:

(Start: 63 @588 has 2 MA's), (77, 627), (Start: 139 @729 has 199 MA's), (158, 801), (174, 882),

Gene: Scherzo_4 Start: 2335, Stop: 2628, Start Num: 139

Candidate Starts for Scherzo_4:

(Start: 119 @2308 has 3 MA's), (Start: 139 @2335 has 199 MA's), (167, 2437), (171, 2455),

Gene: Scorpia_1 Start: 502, Stop: 801, Start Num: 127

Candidate Starts for Scorpia_1:

(Start: 127 @502 has 40 MA's), (Start: 144 @517 has 1 MA's), (167, 610), (186, 751), (196, 796),

Gene: Scout_1 Start: 416, Stop: 712, Start Num: 126

Candidate Starts for Scout_1:

(Start: 69 @293 has 1 MA's), (122, 410), (Start: 126 @416 has 3 MA's), (172, 551),

Gene: Scowl_2 Start: 986, Stop: 1294, Start Num: 142

Candidate Starts for Scowl_2:

(Start: 142 @986 has 394 MA's), (171, 1109), (184, 1199), (188, 1235),

Gene: Seabiscuit_2 Start: 749, Stop: 1045, Start Num: 142

Candidate Starts for Seabiscuit_2:

(Start: 142 @749 has 394 MA's), (171, 872), (179, 926), (184, 962), (188, 998),

Gene: Seanderson_1 Start: 600, Stop: 896, Start Num: 142

Candidate Starts for Seanderson_1:

(Start: 106 @537 has 4 MA's), (Start: 123 @573 has 34 MA's), (128, 582), (Start: 142 @600 has 394 MA's), (171, 723), (184, 813), (188, 849),

Gene: SemperFi_5 Start: 2562, Stop: 2858, Start Num: 142

Candidate Starts for SemperFi_5:

(Start: 142 @2562 has 394 MA's), (171, 2685),

Gene: Serenity_4 Start: 2328, Stop: 2624, Start Num: 139

Candidate Starts for Serenity_4:

(Start: 139 @2328 has 199 MA's),

Gene: Severus_1 Start: 472, Stop: 768, Start Num: 127

Candidate Starts for Severus_1:

(39, 247), (Start: 127 @472 has 40 MA's), (172, 607),

Gene: ShakeltOph_72 Start: 43243, Stop: 43605, Start Num: 137

Candidate Starts for ShakeltOph_72:

(80, 43126), (Start: 137 @43243 has 2 MA's), (154, 43312), (157, 43318), (187, 43513), (195, 43555),

Gene: Sham4_4 Start: 2359, Stop: 2655, Start Num: 139

Candidate Starts for Sham4_4:

(Start: 139 @2359 has 199 MA's), (Start: 149 @2392 has 3 MA's), (161, 2449), (196, 2650),

Gene: ShayRa_5 Start: 2425, Stop: 2721, Start Num: 139

Candidate Starts for ShayRa_5:

(Start: 139 @2425 has 199 MA's), (161, 2515),

Gene: SheaKeira_4 Start: 2123, Stop: 2416, Start Num: 139

Candidate Starts for SheaKeira_4:

(Start: 139 @2123 has 199 MA's), (161, 2210), (167, 2225), (171, 2243),

Gene: Sheen_1 Start: 397, Stop: 693, Start Num: 133

Candidate Starts for Sheen_1:

(87, 301), (Start: 133 @397 has 2 MA's), (186, 643),

Gene: ShortQueendom_1 Start: 599, Stop: 895, Start Num: 142

Candidate Starts for ShortQueendom_1:

(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: Sibs6_2 Start: 748, Stop: 1044, Start Num: 142

Candidate Starts for Sibs6_2:

(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: SkiPole_2 Start: 861, Stop: 1166, Start Num: 142

Candidate Starts for SkiPole_2:

(Start: 114 @813 has 1 MA's), (Start: 142 @861 has 394 MA's), (171, 984), (184, 1074), (188, 1110),

Gene: Sknot_6 Start: 2624, Stop: 2920, Start Num: 142

Candidate Starts for Sknot_6:

(57, 2423), (Start: 142 @2624 has 394 MA's),

Gene: Slagathor_2 Start: 750, Stop: 1046, Start Num: 142

Candidate Starts for Slagathor_2:

(Start: 142 @750 has 394 MA's), (171, 873), (184, 963), (188, 999),

Gene: Smairt_1 Start: 595, Stop: 891, Start Num: 142

Candidate Starts for Smairt_1:

(Start: 106 @532 has 4 MA's), (Start: 123 @568 has 34 MA's), (128, 577), (Start: 138 @592 has 2 MA's), (Start: 142 @595 has 394 MA's), (171, 718), (184, 808), (188, 844),

Gene: Smeadley_1 Start: 505, Stop: 798, Start Num: 142

Candidate Starts for Smeadley_1:

(Start: 142 @505 has 394 MA's), (161, 592), (177, 679), (188, 757), (196, 793),

Gene: Smeagan_5 Start: 2550, Stop: 2846, Start Num: 142

Candidate Starts for Smeagan_5:

(Start: 142 @2550 has 394 MA's), (171, 2673),

Gene: Smeagol_1 Start: 596, Stop: 892, Start Num: 142

Candidate Starts for Smeagol_1:

(124, 569), (Start: 129 @578 has 46 MA's), (Start: 142 @596 has 394 MA's), (171, 719), (184, 809), (188, 845),

Gene: SmellyB_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for SmellyB_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Smoothie_14 Start: 3268, Stop: 3576, Start Num: 142

Candidate Starts for Smoothie_14:

(118, 3238), (Start: 142 @3268 has 394 MA's), (180, 3460), (190, 3532),

Gene: SnapTap_5 Start: 2567, Stop: 2863, Start Num: 142

Candidate Starts for SnapTap_5:

(Start: 142 @2567 has 394 MA's), (171, 2690),

Gene: Snape_4 Start: 2362, Stop: 2658, Start Num: 139

Candidate Starts for Snape_4:

(Start: 139 @2362 has 199 MA's), (Start: 149 @2395 has 3 MA's), (161, 2452), (196, 2653),

Gene: Snazzy_1 Start: 595, Stop: 891, Start Num: 142

Candidate Starts for Snazzy_1:

(Start: 106 @532 has 4 MA's), (Start: 123 @568 has 34 MA's), (128, 577), (Start: 142 @595 has 394 MA's), (171, 718), (184, 808), (188, 844),

Gene: Snek_68 Start: 40495, Stop: 40800, Start Num: 142

Candidate Starts for Snek_68:

(Start: 142 @40495 has 394 MA's), (154, 40555), (157, 40561), (169, 40612), (192, 40786),

Gene: Snorlax_2 Start: 729, Stop: 1040, Start Num: 139

Candidate Starts for Snorlax_2:

(Start: 63 @588 has 2 MA's), (77, 627), (Start: 139 @729 has 199 MA's), (158, 801), (174, 882),

Gene: SoilDragon_1 Start: 517, Stop: 819, Start Num: 123

Candidate Starts for SoilDragon_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Solon_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for Solon_1:

(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Soondubu_62 Start: 44779, Stop: 45078, Start Num: 142

Candidate Starts for Soondubu_62:

(77, 44641), (Start: 142 @44779 has 394 MA's), (157, 44845), (169, 44896), (192, 45070),

Gene: SororFago_4 Start: 2399, Stop: 2695, Start Num: 142

Candidate Starts for SororFago_4:

(Start: 142 @2399 has 394 MA's), (169, 2510),

Gene: Sorpresa_1 Start: 599, Stop: 895, Start Num: 142

Candidate Starts for Sorpresa_1:

(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 142 @599 has 394 MA's), (Start: 149 @632 has 3 MA's), (171, 722), (184, 812), (188, 848),

Gene: Soshari_3 Start: 518, Stop: 820, Start Num: 123

Candidate Starts for Soshari_3:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Soups_4 Start: 2425, Stop: 2721, Start Num: 139

Candidate Starts for Soups_4:

(Start: 139 @2425 has 199 MA's),

Gene: South40_2 Start: 726, Stop: 1040, Start Num: 139

Candidate Starts for South40_2:

(62, 582), (Start: 139 @726 has 199 MA's), (158, 798), (174, 882),

Gene: Sparky_95 Start: 62955, Stop: 63257, Start Num: 143

Candidate Starts for Sparky_95:

(49, 62730), (82, 62826), (91, 62841), (98, 62859), (108, 62895), (111, 62901), (Start: 143 @62955 has 2 MA's), (Start: 150 @62988 has 1 MA's), (197, 63246),

Gene: SpeedDemon_90 Start: 4494, Stop: 4802, Start Num: 142

Candidate Starts for SpeedDemon_90:

(Start: 142 @4494 has 394 MA's), (160, 4566), (173, 4632),

Gene: Speedwell_3 Start: 947, Stop: 1261, Start Num: 140

Candidate Starts for Speedwell_3:

(45, 725), (Start: 58 @764 has 1 MA's), (134, 938), (136, 941), (Start: 140 @947 has 50 MA's), (172, 1091),

Gene: Spike509_1 Start: 527, Stop: 820, Start Num: 129

Candidate Starts for Spike509_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: SpikeBT_1 Start: 596, Stop: 892, Start Num: 142

Candidate Starts for SpikeBT_1:

(Start: 106 @533 has 4 MA's), (Start: 123 @569 has 34 MA's), (128, 578), (Start: 142 @596 has 394 MA's), (171, 719), (184, 809), (188, 845),

Gene: Spouty_4 Start: 2332, Stop: 2625, Start Num: 139

Candidate Starts for Spouty_4:

(Start: 119 @2305 has 3 MA's), (Start: 139 @2332 has 199 MA's), (167, 2434), (171, 2452),

Gene: SqueakyClean_3 Start: 1027, Stop: 1341, Start Num: 140

Candidate Starts for SqueakyClean_3:

(Start: 140 @1027 has 50 MA's), (157, 1096), (172, 1171),

Gene: Squee_1 Start: 606, Stop: 902, Start Num: 142

Candidate Starts for Squee_1:

(Start: 106 @543 has 4 MA's), (Start: 123 @579 has 34 MA's), (128, 588), (Start: 142 @606 has 394 MA's), (171, 729), (184, 819), (188, 855),

Gene: Stagni_1 Start: 527, Stop: 820, Start Num: 129

Candidate Starts for Stagni_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: StarStuff_4 Start: 2345, Stop: 2641, Start Num: 139

Candidate Starts for StarStuff_4:

(Start: 139 @2345 has 199 MA's),

Gene: Steamy_4 Start: 2222, Stop: 2518, Start Num: 142

Candidate Starts for Steamy_4:

(Start: 142 @2222 has 394 MA's), (157, 2288),

Gene: StepMih_1 Start: 527, Stop: 820, Start Num: 129

Candidate Starts for StepMih_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Stephig9_1 Start: 506, Stop: 799, Start Num: 142

Candidate Starts for Stephig9_1:

(Start: 142 @506 has 394 MA's), (161, 593), (177, 680), (188, 758), (196, 794),

Gene: StewieG_1 Start: 597, Stop: 893, Start Num: 142

Candidate Starts for StewieG_1:

(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: Stink_1 Start: 356, Stop: 763, Start Num: 88

Candidate Starts for Stink_1:

(Start: 88 @356 has 2 MA's), (157, 536), (188, 722),

Gene: StrongArm_1 Start: 599, Stop: 895, Start Num: 142

Candidate Starts for StrongArm_1:

(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 138 @596 has 2 MA's), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: Strosahl_4 Start: 2278, Stop: 2574, Start Num: 139

Candidate Starts for Strosahl_4:

(Start: 139 @2278 has 199 MA's),

Gene: SuMoo_83 Start: 48762, Stop: 49061, Start Num: 142

Candidate Starts for SuMoo_83:

(25, 48399), (28, 48429), (37, 48498), (Start: 142 @48762 has 394 MA's), (157, 48828), (169, 48879), (180, 48954),

Gene: Subaru_69 Start: 43103, Stop: 43405, Start Num: 142

Candidate Starts for Subaru_69:

(Start: 142 @43103 has 394 MA's), (152, 43154), (157, 43169), (169, 43220), (180, 43295), (192, 43394),

Gene: Sue2_68 Start: 41870, Stop: 42175, Start Num: 142

Candidate Starts for Sue2_68:

(120, 41837), (Start: 142 @41870 has 394 MA's), (157, 41936), (169, 41987), (192, 42161),

Gene: Sujidade_2 Start: 723, Stop: 1034, Start Num: 139

Candidate Starts for Sujidade_2:

(Start: 63 @588 has 2 MA's), (Start: 139 @723 has 199 MA's), (158, 795), (171, 852),

Gene: Sumter_1 Start: 599, Stop: 895, Start Num: 142

Candidate Starts for Sumter_1:

(Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: SunsetPointe_2 Start: 739, Stop: 1053, Start Num: 139

Candidate Starts for SunsetPointe_2:

(Start: 139 @739 has 199 MA's), (174, 895),

Gene: Sunshine924_1 Start: 595, Stop: 891, Start Num: 142

Candidate Starts for Sunshine924_1:

(Start: 106 @532 has 4 MA's), (Start: 123 @568 has 34 MA's), (128, 577), (Start: 142 @595 has 394 MA's), (171, 718), (184, 808), (188, 844),

Gene: SuperAwesome_4 Start: 2143, Stop: 2439, Start Num: 139
Candidate Starts for SuperAwesome_4:
(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: SuperCallie99_4 Start: 2144, Stop: 2440, Start Num: 139
Candidate Starts for SuperCallie99_4:
(Start: 139 @2144 has 199 MA's), (172, 2279),

Gene: Superchunk_4 Start: 2154, Stop: 2450, Start Num: 139
Candidate Starts for Superchunk_4:
(Start: 139 @2154 has 199 MA's), (181, 2349),

Gene: Survivors_69 Start: 45115, Stop: 45432, Start Num: 142
Candidate Starts for Survivors_69:
(Start: 142 @45115 has 394 MA's), (174, 45253), (183, 45322),

Gene: SweetiePie_5 Start: 2568, Stop: 2864, Start Num: 142
Candidate Starts for SweetiePie_5:
(Start: 142 @2568 has 394 MA's), (171, 2691),

Gene: SwissCheese_1 Start: 596, Stop: 892, Start Num: 142
Candidate Starts for SwissCheese_1:
(Start: 106 @533 has 4 MA's), (Start: 123 @569 has 34 MA's), (128, 578), (Start: 142 @596 has 394 MA's), (171, 719), (179, 773), (184, 809), (188, 845),

Gene: Switzer_2 Start: 747, Stop: 1043, Start Num: 142
Candidate Starts for Switzer_2:
(Start: 142 @747 has 394 MA's), (171, 870), (184, 960), (188, 996),

Gene: Switzerland_4 Start: 2425, Stop: 2721, Start Num: 139
Candidate Starts for Switzerland_4:
(Start: 139 @2425 has 199 MA's), (161, 2515),

Gene: Swole_2 Start: 834, Stop: 1130, Start Num: 142
Candidate Starts for Swole_2:
(Start: 114 @786 has 1 MA's), (Start: 142 @834 has 394 MA's), (171, 957), (184, 1047), (188, 1083),

Gene: TChen_101 Start: 57213, Stop: 57500, Start Num: 146
Candidate Starts for TChen_101:
(16, 56742), (36, 56943), (47, 56982), (64, 57048), (66, 57051), (Start: 114 @57162 has 1 MA's),
(Start: 146 @57213 has 17 MA's),

Gene: TNguyen7_1 Start: 418, Stop: 714, Start Num: 142
Candidate Starts for TNguyen7_1:
(Start: 142 @418 has 394 MA's), (172, 553),

Gene: TAgePighther_3 Start: 730, Stop: 1041, Start Num: 139
Candidate Starts for TAgePighther_3:
(Start: 63 @589 has 2 MA's), (77, 628), (Start: 139 @730 has 199 MA's), (158, 802), (174, 883),

Gene: Tallboi_69 Start: 43220, Stop: 43522, Start Num: 142

Candidate Starts for Tallboi_69:

(Start: 142 @43220 has 394 MA's), (177, 43403), (192, 43511),

Gene: Target_2 Start: 851, Stop: 1147, Start Num: 142

Candidate Starts for Target_2:

(Start: 114 @803 has 1 MA's), (Start: 142 @851 has 394 MA's), (171, 974), (184, 1064), (188, 1100),

Gene: TarsusIV_5 Start: 2568, Stop: 2864, Start Num: 142

Candidate Starts for TarsusIV_5:

(Start: 142 @2568 has 394 MA's),

Gene: Tasp14_2 Start: 770, Stop: 1066, Start Num: 142

Candidate Starts for Tasp14_2:

(131, 755), (Start: 142 @770 has 394 MA's), (171, 893), (184, 983), (188, 1019),

Gene: Taurus_1 Start: 517, Stop: 819, Start Num: 123

Candidate Starts for Taurus_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Tbone_69 Start: 43742, Stop: 44044, Start Num: 142

Candidate Starts for Tbone_69:

(Start: 142 @43742 has 394 MA's), (152, 43793), (157, 43808), (169, 43859), (180, 43934), (192, 44033),

Gene: Tefunt_2 Start: 643, Stop: 966, Start Num: 133

Candidate Starts for Tefunt_2:

(Start: 133 @643 has 2 MA's), (Start: 140 @652 has 50 MA's), (172, 796), (176, 829),

Gene: Teodoridan_1 Start: 600, Stop: 896, Start Num: 142

Candidate Starts for Teodoridan_1:

(Start: 106 @537 has 4 MA's), (Start: 123 @573 has 34 MA's), (128, 582), (Start: 142 @600 has 394 MA's), (171, 723), (184, 813), (188, 849),

Gene: Terrific_6 Start: 2620, Stop: 2916, Start Num: 142

Candidate Starts for Terrific_6:

(57, 2419), (Start: 142 @2620 has 394 MA's),

Gene: TforTroy_69 Start: 43283, Stop: 43591, Start Num: 142

Candidate Starts for TforTroy_69:

(50, 43070), (Start: 142 @43283 has 394 MA's), (177, 43466), (180, 43475), (192, 43574),

Gene: TheloniousMonk_2 Start: 748, Stop: 1044, Start Num: 142

Candidate Starts for TheloniousMonk_2:

(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: Thestral_2 Start: 639, Stop: 953, Start Num: 140

Candidate Starts for Thestral_2:

(Start: 140 @639 has 50 MA's), (172, 783),

Gene: Thor_2 Start: 757, Stop: 1053, Start Num: 142

Candidate Starts for Thor_2:

(Start: 142 @757 has 394 MA's), (171, 880), (184, 970), (188, 1006),

Gene: Tian_67 Start: 43915, Stop: 44217, Start Num: 142

Candidate Starts for Tian_67:

(Start: 142 @43915 has 394 MA's), (157, 43981), (169, 44032), (177, 44098), (192, 44206),

Gene: Tiffany_1 Start: 527, Stop: 820, Start Num: 129

Candidate Starts for Tiffany_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Tiger_1 Start: 534, Stop: 833, Start Num: 127

Candidate Starts for Tiger_1:

(55, 372), (Start: 127 @534 has 40 MA's), (167, 642), (177, 714), (186, 783), (196, 828),

Gene: Timothy_4 Start: 2356, Stop: 2652, Start Num: 139

Candidate Starts for Timothy_4:

(Start: 139 @2356 has 199 MA's), (Start: 149 @2389 has 3 MA's), (161, 2446), (196, 2647),

Gene: Timshel_1 Start: 408, Stop: 704, Start Num: 142

Candidate Starts for Timshel_1:

(85, 297), (Start: 142 @408 has 394 MA's), (186, 654), (191, 672),

Gene: TinaBelcher_2 Start: 639, Stop: 953, Start Num: 140

Candidate Starts for TinaBelcher_2:

(Start: 140 @639 has 50 MA's), (172, 783),

Gene: TinyTimmy_4 Start: 2356, Stop: 2652, Start Num: 139

Candidate Starts for TinyTimmy_4:

(Start: 139 @2356 has 199 MA's), (Start: 149 @2389 has 3 MA's), (161, 2446), (196, 2647),

Gene: TipsytheTRex_4 Start: 2326, Stop: 2622, Start Num: 139

Candidate Starts for TipsytheTRex_4:

(Start: 139 @2326 has 199 MA's),

Gene: Toaka_4 Start: 2356, Stop: 2682, Start Num: 119

Candidate Starts for Toaka_4:

(Start: 119 @2356 has 3 MA's), (Start: 142 @2389 has 394 MA's), (167, 2491), (171, 2509),

Gene: Todacoro_1 Start: 445, Stop: 741, Start Num: 142

Candidate Starts for Todacoro_1:

(Start: 142 @445 has 394 MA's), (172, 580),

Gene: Toma_2 Start: 723, Stop: 1034, Start Num: 139

Candidate Starts for Toma_2:

(Start: 63 @588 has 2 MA's), (Start: 139 @723 has 199 MA's), (158, 795), (164, 825), (171, 852), (180, 915),

Gene: Tomathan_4 Start: 2345, Stop: 2641, Start Num: 139

Candidate Starts for Tomathan_4:

(Start: 139 @2345 has 199 MA's),

Gene: Toniann_14 Start: 3268, Stop: 3576, Start Num: 142

Candidate Starts for Toniann_14:

(118, 3238), (Start: 142 @3268 has 394 MA's), (180, 3460), (190, 3532),

Gene: Topanga_1 Start: 517, Stop: 813, Start Num: 127

Candidate Starts for Topanga_1:

(Start: 127 @517 has 40 MA's),

Gene: Topgun_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for Topgun_1:

(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Toro_1 Start: 396, Stop: 692, Start Num: 133

Candidate Starts for Toro_1:

(87, 300), (Start: 133 @396 has 2 MA's), (186, 642),

Gene: Tote_2 Start: 834, Stop: 1130, Start Num: 142

Candidate Starts for Tote_2:

(Start: 114 @786 has 1 MA's), (Start: 142 @834 has 394 MA's), (171, 957), (184, 1047), (188, 1083),

Gene: TouchMeNot_54 Start: 40155, Stop: 40460, Start Num: 142

Candidate Starts for TouchMeNot_54:

(Start: 142 @40155 has 394 MA's), (160, 40230), (163, 40251), (176, 40332),

Gene: Towmatter_9 Start: 2870, Stop: 3172, Start Num: 142

Candidate Starts for Towmatter_9:

(Start: 142 @2870 has 394 MA's), (155, 2927), (157, 2930), (158, 2933), (176, 3038),

Gene: Traft412_3 Start: 1245, Stop: 1541, Start Num: 142

Candidate Starts for Traft412_3:

(Start: 142 @1245 has 394 MA's), (171, 1368), (184, 1458), (188, 1494),

Gene: Travvers_4 Start: 2345, Stop: 2641, Start Num: 139

Candidate Starts for Travvers_4:

(Start: 139 @2345 has 199 MA's),

Gene: Treddle_2 Start: 750, Stop: 1046, Start Num: 142

Candidate Starts for Treddle_2:

(Start: 142 @750 has 394 MA's), (171, 873), (184, 963), (188, 999),

Gene: Tripl3t_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for Tripl3t_1:

(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Triste_2 Start: 730, Stop: 1041, Start Num: 139

Candidate Starts for Triste_2:

(Start: 63 @589 has 2 MA's), (77, 628), (Start: 139 @730 has 199 MA's), (158, 802), (174, 883),

Gene: Triumph_3 Start: 679, Stop: 993, Start Num: 140

Candidate Starts for Triumph_3:

(Start: 140 @679 has 50 MA's), (172, 823),

Gene: Trixie_4 Start: 2424, Stop: 2720, Start Num: 142

Candidate Starts for Trixie_4:

(Start: 142 @2424 has 394 MA's),

Gene: Trooper_5 Start: 2370, Stop: 2666, Start Num: 142

Candidate Starts for Trooper_5:

(Start: 142 @2370 has 394 MA's),

Gene: Trouble_1 Start: 534, Stop: 893, Start Num: 106

Candidate Starts for Trouble_1:

(Start: 106 @534 has 4 MA's), (Start: 123 @570 has 34 MA's), (128, 579), (Start: 142 @597 has 394 MA's), (171, 720), (184, 810), (188, 846),

Gene: TrvxScott_2 Start: 639, Stop: 953, Start Num: 140

Candidate Starts for TrvxScott_2:

(Start: 140 @639 has 50 MA's), (172, 783),

Gene: TuanPN_2 Start: 730, Stop: 1041, Start Num: 139

Candidate Starts for TuanPN_2:

(Start: 63 @589 has 2 MA's), (77, 628), (Start: 139 @730 has 199 MA's), (158, 802), (164, 832), (171, 859), (180, 922),

Gene: Tubs_4 Start: 2335, Stop: 2628, Start Num: 139

Candidate Starts for Tubs_4:

(Start: 119 @2308 has 3 MA's), (Start: 139 @2335 has 199 MA's), (167, 2437), (171, 2455),

Gene: Tuck_69 Start: 43623, Stop: 43925, Start Num: 142

Candidate Starts for Tuck_69:

(Start: 142 @43623 has 394 MA's), (157, 43689), (169, 43740), (180, 43815), (192, 43914),

Gene: Tucker_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Tucker_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Turab_68 Start: 42750, Stop: 43052, Start Num: 142

Candidate Starts for Turab_68:

(Start: 142 @42750 has 394 MA's), (152, 42801), (157, 42816), (169, 42867), (180, 42942), (192, 43041),

Gene: Turbido_5 Start: 2551, Stop: 2847, Start Num: 142

Candidate Starts for Turbido_5:

(Start: 142 @2551 has 394 MA's), (171, 2674),

Gene: Turj99_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for Turj99_1:

(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Tutumahutu_71 Start: 43324, Stop: 43626, Start Num: 142

Candidate Starts for Tutumahutu_71:

(Start: 142 @43324 has 394 MA's), (152, 43375), (157, 43390), (169, 43441), (180, 43516), (192, 43615),

Gene: Tweety19_69 Start: 40496, Stop: 40801, Start Num: 142

Candidate Starts for Tweety19_69:

(Start: 142 @40496 has 394 MA's), (154, 40556), (157, 40562), (169, 40613), (192, 40787),

Gene: Twister_1 Start: 463, Stop: 759, Start Num: 127

Candidate Starts for Twister_1:

(Start: 127 @463 has 40 MA's),

Gene: TwoPeat_2 Start: 834, Stop: 1130, Start Num: 142

Candidate Starts for TwoPeat_2:

(Start: 114 @786 has 1 MA's), (Start: 142 @834 has 394 MA's), (171, 957), (184, 1047), (188, 1083),

Gene: U2_2 Start: 749, Stop: 1045, Start Num: 142

Candidate Starts for U2_2:

(Start: 142 @749 has 394 MA's), (171, 872), (184, 962), (188, 998),

Gene: UnionJack_87 Start: 500, Stop: 799, Start Num: 127

Candidate Starts for UnionJack_87:

(Start: 127 @500 has 40 MA's), (Start: 144 @515 has 1 MA's), (167, 608), (177, 680), (186, 749), (196, 794),

Gene: Unstoppable_2 Start: 740, Stop: 1054, Start Num: 139

Candidate Starts for Unstoppable_2:

(65, 629), (90, 656), (Start: 139 @740 has 199 MA's), (174, 896),

Gene: Updawg_5 Start: 2624, Stop: 2920, Start Num: 142

Candidate Starts for Updawg_5:

(57, 2423), (Start: 142 @2624 has 394 MA's),

Gene: Urza_2 Start: 744, Stop: 1058, Start Num: 140

Candidate Starts for Urza_2:

(Start: 140 @744 has 50 MA's), (172, 888),

Gene: UtzChips_77 Start: 46396, Stop: 46695, Start Num: 142

Candidate Starts for UtzChips_77:

(116, 46351), (Start: 142 @46396 has 394 MA's), (166, 46504), (169, 46513),

Gene: VA6_4 Start: 2464, Stop: 2760, Start Num: 142

Candidate Starts for VA6_4:

(Start: 142 @2464 has 394 MA's), (171, 2587),

Gene: VC3_4 Start: 2344, Stop: 2640, Start Num: 139

Candidate Starts for VC3_4:

(Start: 139 @2344 has 199 MA's),

Gene: VResidence_72 Start: 41784, Stop: 42086, Start Num: 142

Candidate Starts for VResidence_72:

(55, 41574), (Start: 142 @41784 has 394 MA's), (157, 41850), (169, 41901), (192, 42075),

Gene: VWB_70 Start: 47259, Stop: 47567, Start Num: 138

Candidate Starts for VWB_70:

(21, 46878), (Start: 138 @47259 has 2 MA's), (183, 47478),

Gene: Vanisoa_4 Start: 2102, Stop: 2395, Start Num: 139

Candidate Starts for Vanisoa_4:

(Start: 139 @2102 has 199 MA's), (157, 2168), (167, 2204), (171, 2222),

Gene: Verabelle_3 Start: 950, Stop: 1264, Start Num: 140

Candidate Starts for Verabelle_3:

(134, 944), (Start: 140 @950 has 50 MA's), (157, 1019), (172, 1094),

Gene: Verse_2 Start: 955, Stop: 1269, Start Num: 140

Candidate Starts for Verse_2:

(51, 751), (52, 754), (94, 856), (134, 949), (Start: 140 @955 has 50 MA's), (157, 1024), (172, 1099), (176, 1132),

Gene: VieEnRose_2 Start: 744, Stop: 1058, Start Num: 140

Candidate Starts for VieEnRose_2:

(Start: 140 @744 has 50 MA's), (172, 888),

Gene: Violet_2 Start: 748, Stop: 1044, Start Num: 142

Candidate Starts for Violet_2:

(Start: 142 @748 has 394 MA's), (171, 871), (184, 961), (188, 997),

Gene: Vix_1 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for Vix_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: VohminGhazi_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for VohminGhazi_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: VroomVroom_67 Start: 42799, Stop: 43164, Start Num: 137

Candidate Starts for VroomVroom_67:

(74, 42664), (80, 42673), (Start: 137 @42799 has 2 MA's), (154, 42868), (157, 42874), (187, 43069), (192, 43099), (195, 43111),

Gene: Waits_4 Start: 2278, Stop: 2574, Start Num: 139

Candidate Starts for Waits_4:

(Start: 139 @2278 has 199 MA's), (161, 2368),

Gene: WalterMcMickey_1 Start: 463, Stop: 759, Start Num: 127

Candidate Starts for WalterMcMickey_1:

(Start: 127 @463 has 40 MA's),

Gene: Warda_70 Start: 43423, Stop: 43725, Start Num: 142

Candidate Starts for Warda_70:

(Start: 142 @43423 has 394 MA's), (152, 43474), (157, 43489), (169, 43540), (180, 43615), (192, 43714),

Gene: Watermelon_2 Start: 736, Stop: 1044, Start Num: 142

Candidate Starts for Watermelon_2:

(Start: 142 @736 has 394 MA's), (171, 859), (184, 949), (188, 985),

Gene: Watson_1 Start: 526, Stop: 819, Start Num: 129

Candidate Starts for Watson_1:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: WeiHuaDA_5 Start: 2558, Stop: 2854, Start Num: 142

Candidate Starts for WeiHuaDA_5:

(Start: 142 @2558 has 394 MA's), (171, 2681),

Gene: Werner_2 Start: 730, Stop: 1041, Start Num: 139

Candidate Starts for Werner_2:

(Start: 63 @589 has 2 MA's), (77, 628), (Start: 139 @730 has 199 MA's), (158, 802), (174, 883),

Gene: Whabigail7_5 Start: 2548, Stop: 2844, Start Num: 142

Candidate Starts for Whabigail7_5:

(Start: 142 @2548 has 394 MA's), (171, 2671),

Gene: Whatever_2 Start: 589, Stop: 1041, Start Num: 63

Candidate Starts for Whatever_2:

(Start: 63 @589 has 2 MA's), (77, 628), (Start: 139 @730 has 199 MA's), (158, 802), (174, 883),

Gene: Wheeler_2 Start: 833, Stop: 1129, Start Num: 142

Candidate Starts for Wheeler_2:

(Start: 114 @785 has 1 MA's), (Start: 142 @833 has 394 MA's), (171, 956), (184, 1046), (188, 1082),

Gene: Whitty_58 Start: 40896, Stop: 41195, Start Num: 72

Candidate Starts for Whitty_58:

(Start: 72 @40896 has 6 MA's), (174, 41019),

Gene: WideWale_5 Start: 2624, Stop: 2920, Start Num: 142

Candidate Starts for WideWale_5:

(57, 2423), (Start: 142 @2624 has 394 MA's),

Gene: Wiks_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Wiks_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Wildwest_65 Start: 43282, Stop: 43584, Start Num: 142

Candidate Starts for Wildwest_65:

(Start: 142 @43282 has 394 MA's), (154, 43342), (169, 43399), (180, 43474), (192, 43573),

Gene: Wilkins_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for Wilkins_1:

(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: WilliamBoone_12 Start: 2893, Stop: 3201, Start Num: 142

Candidate Starts for WilliamBoone_12:

(118, 2863), (Start: 142 @2893 has 394 MA's), (190, 3157),

Gene: Wooldri_3 Start: 517, Stop: 819, Start Num: 123

Candidate Starts for Wooldri_3:

(Start: 123 @517 has 34 MA's), (Start: 129 @526 has 46 MA's), (157, 592),

Gene: Wrigley_81 Start: 51527, Stop: 51817, Start Num: 146

Candidate Starts for Wrigley_81:

(111, 51470), (Start: 114 @51476 has 1 MA's), (Start: 146 @51527 has 17 MA's),

Gene: WunderPhul_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for WunderPhul_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: XianYue_4 Start: 2391, Stop: 2687, Start Num: 142

Candidate Starts for XianYue_4:

(Start: 142 @2391 has 394 MA's), (170, 2508),

Gene: Yang_68 Start: 42836, Stop: 43144, Start Num: 142

Candidate Starts for Yang_68:

(Start: 142 @42836 has 394 MA's), (157, 42902), (180, 43028), (192, 43127),

Gene: Yasdnil_2 Start: 729, Stop: 1040, Start Num: 139

Candidate Starts for Yasdnil_2:

(77, 627), (Start: 139 @729 has 199 MA's), (158, 801), (164, 831), (171, 858), (180, 921),

Gene: Yecey3_4 Start: 2101, Stop: 2394, Start Num: 142

Candidate Starts for Yecey3_4:

(Start: 142 @2101 has 394 MA's),

Gene: YesChef_69 Start: 43140, Stop: 43442, Start Num: 142

Candidate Starts for YesChef_69:

(Start: 142 @43140 has 394 MA's), (152, 43191), (157, 43206), (169, 43257), (180, 43332), (192, 43431),

Gene: Yokurt_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Yokurt_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Yosif_3 Start: 954, Stop: 1265, Start Num: 140

Candidate Starts for Yosif_3:

(64, 816), (104, 888), (112, 906), (Start: 140 @954 has 50 MA's), (176, 1128),

Gene: Yvonnetastic_14 Start: 3602, Stop: 3910, Start Num: 142

Candidate Starts for Yvonnetastic_14:

(Start: 142 @3602 has 394 MA's), (176, 3776), (180, 3794), (183, 3815), (198, 3902),

Gene: Zainub_3 Start: 1037, Stop: 1351, Start Num: 140

Candidate Starts for Zainub_3:

(77, 911), (Start: 102 @965 has 1 MA's), (Start: 133 @1031 has 2 MA's), (Start: 140 @1037 has 50 MA's), (157, 1106), (172, 1181),

Gene: Zaka_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Zaka_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: Zeeculate_1 Start: 596, Stop: 892, Start Num: 142

Candidate Starts for Zeeculate_1:

(Start: 106 @533 has 4 MA's), (Start: 123 @569 has 34 MA's), (128, 578), (Start: 142 @596 has 394 MA's), (171, 719), (184, 809), (188, 845),

Gene: Zemlya_2 Start: 703, Stop: 1014, Start Num: 139

Candidate Starts for Zemlya_2:

(1, 34), (2, 40), (3, 43), (5, 70), (6, 142), (30, 406), (41, 463), (48, 487), (50, 496), (107, 652), (Start: 121 @682 has 1 MA's), (Start: 139 @703 has 199 MA's), (162, 799), (164, 805), (171, 832),

Gene: ZenTime222_65 Start: 41847, Stop: 42146, Start Num: 72

Candidate Starts for ZenTime222_65:

(Start: 72 @41847 has 6 MA's), (174, 41970),

Gene: Zephyr_1 Start: 598, Stop: 894, Start Num: 142

Candidate Starts for Zephyr_1:

(Start: 106 @535 has 4 MA's), (Start: 123 @571 has 34 MA's), (128, 580), (Start: 142 @598 has 394 MA's), (171, 721), (184, 811), (188, 847),

Gene: Zeta1847_76 Start: 47529, Stop: 47834, Start Num: 142

Candidate Starts for Zeta1847_76:

(70, 47376), (71, 47379), (73, 47382), (Start: 142 @47529 has 394 MA's), (194, 47829),

Gene: Zetzy_1 Start: 518, Stop: 820, Start Num: 123

Candidate Starts for Zetzy_1:

(Start: 123 @518 has 34 MA's), (Start: 129 @527 has 46 MA's), (157, 593),

Gene: Zeuska_1 Start: 599, Stop: 895, Start Num: 142

Candidate Starts for Zeuska_1:

(Start: 106 @536 has 4 MA's), (Start: 123 @572 has 34 MA's), (128, 581), (Start: 138 @596 has 2 MA's), (Start: 142 @599 has 394 MA's), (171, 722), (184, 812), (188, 848),

Gene: Zimmer_4 Start: 2256, Stop: 2552, Start Num: 140

Candidate Starts for Zimmer_4:

(40, 1998), (53, 2043), (67, 2094), (Start: 140 @2256 has 50 MA's),

Gene: Zulu_4 Start: 2143, Stop: 2439, Start Num: 139

Candidate Starts for Zulu_4:

(Start: 139 @2143 has 199 MA's), (172, 2278),

Gene: phiHau3_1 Start: 591, Stop: 905, Start Num: 140

Candidate Starts for phiHau3_1:

(Start: 140 @591 has 50 MA's), (168, 708), (172, 735), (185, 837), (196, 900),