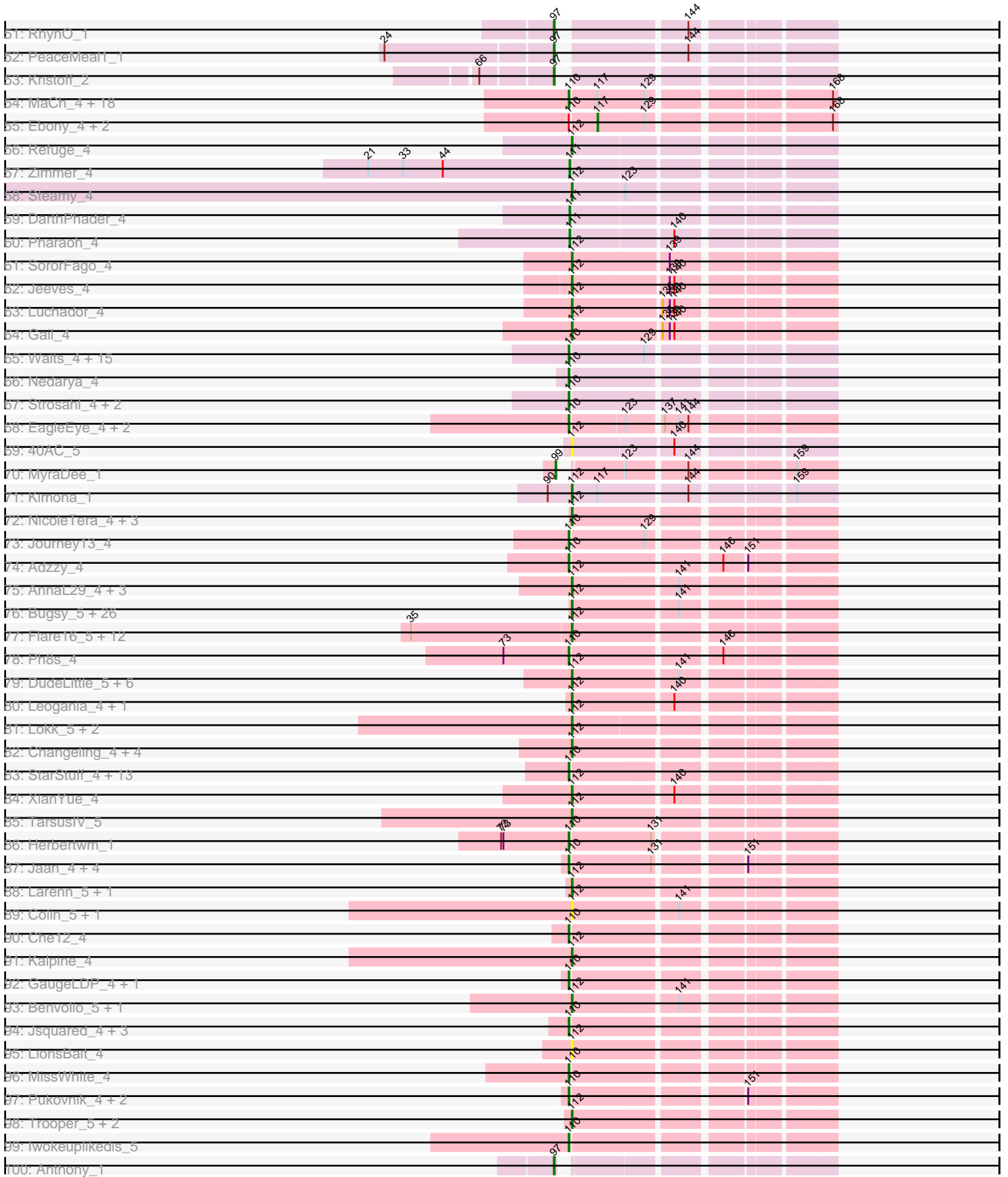


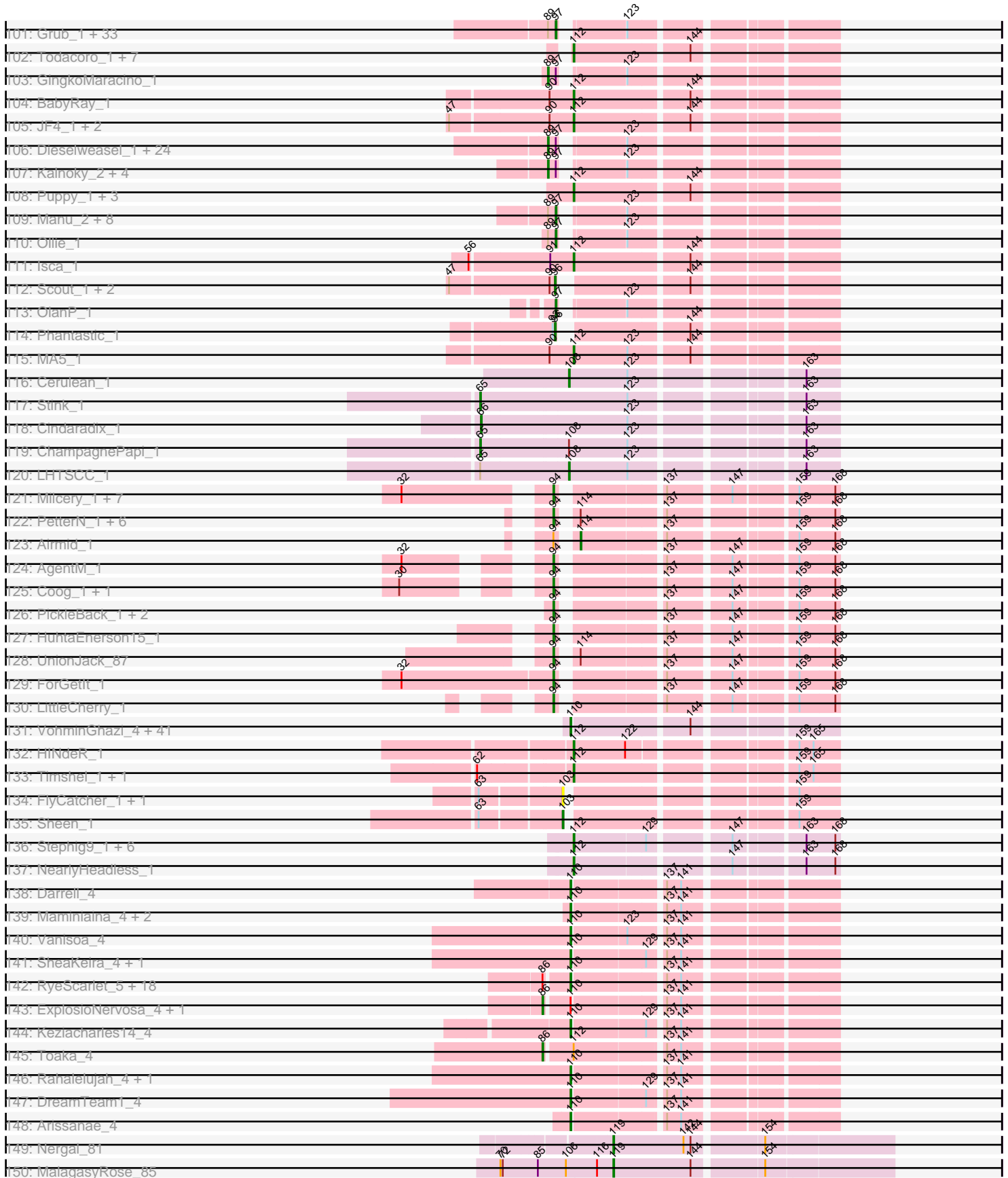
Pham 224122



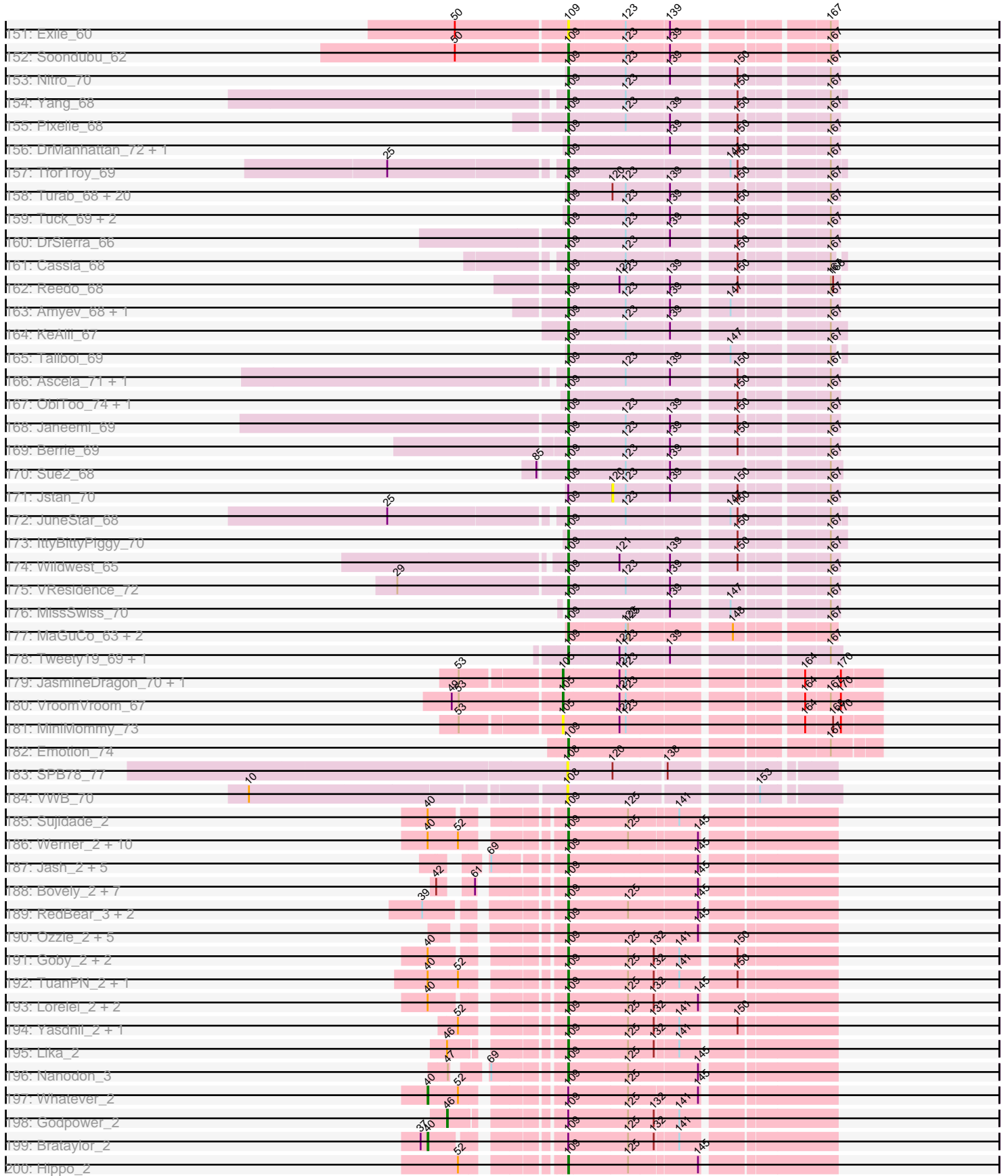
Pham 224122



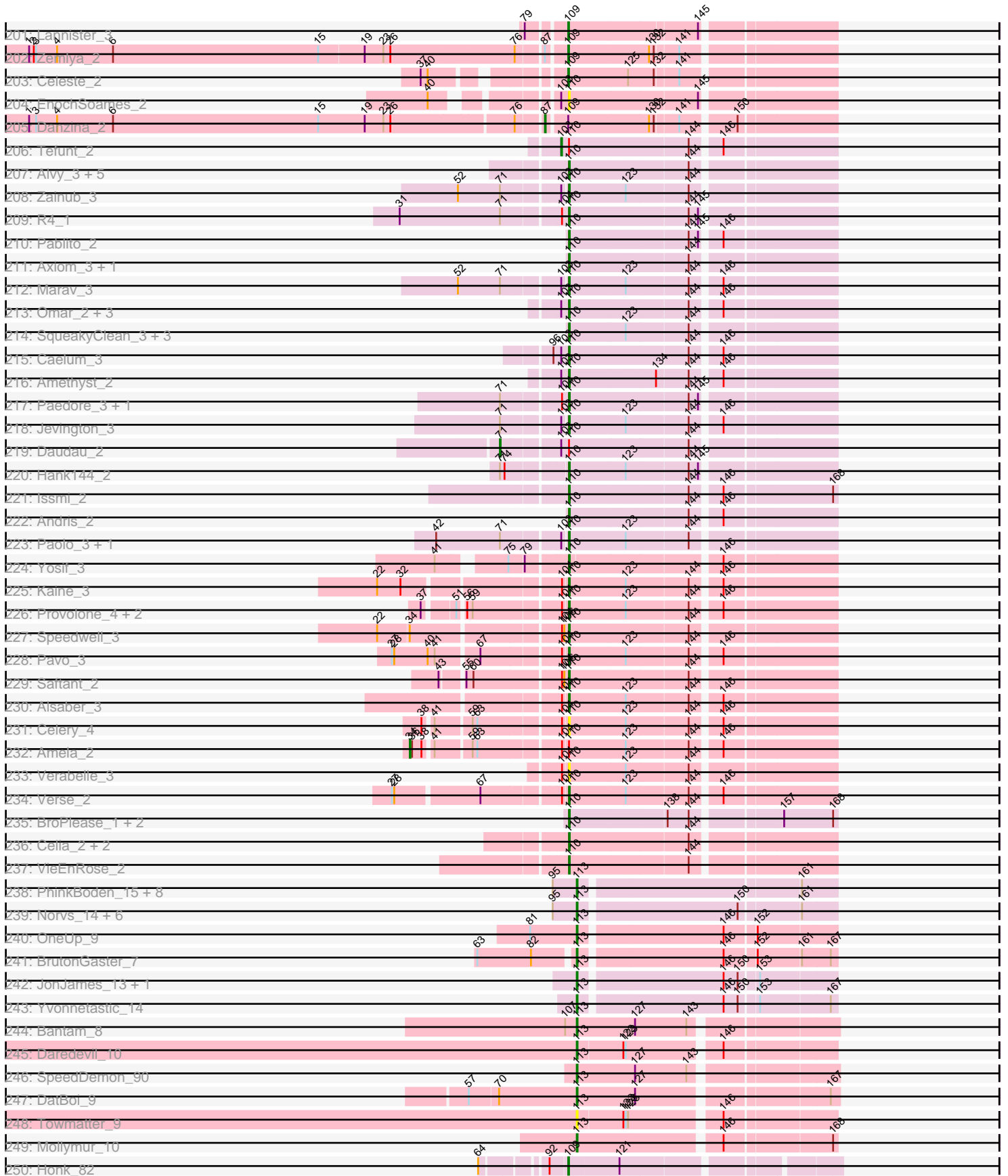
Pham 224122



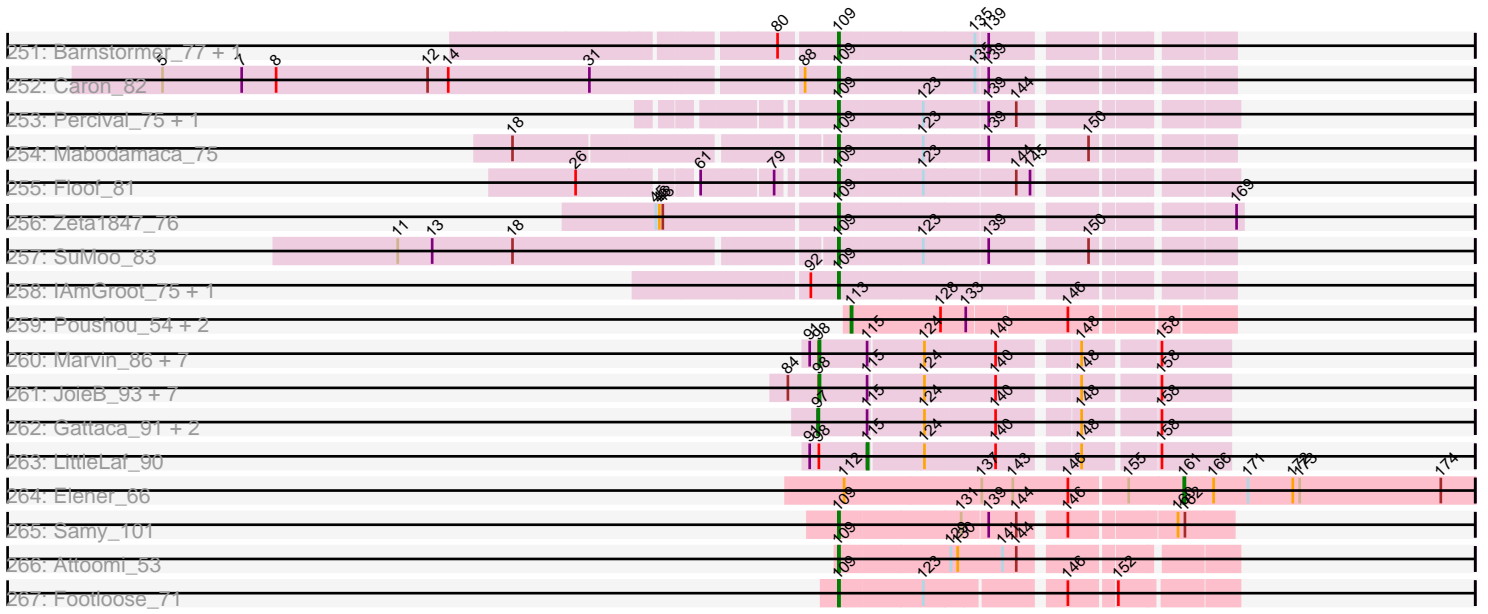
Pham 224122



Pham 224122



Pham 224122



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 224122 Report

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

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 224122 has 868 members, 54 are drafts.

Phages represented in each track:

- Track 1 : Pita2_2, Gompeii16_2, ConceptII_2, PSullivan_2, Bircsak_2, PherrisBueller_2, STLscum_2, PacerPaul_2, Rohr_2, Altman_3, Pepe_2, SkiPole_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, DrFeelGood_1, StewieG_1, Marco3_1, CactusRose_1, Adahisdi_1, Crispicous1_1, Phlippers_1, Seanderson_1, Cueylyss_1, Solon_1, Teodoridan_1, Ohno789_1, Sunshine924_1, Bigfoot_1, Wilkins_1, Applejack_1, Killigrew_1, SpikeBT_1, Zeeculate_1, Tripl3t_1, Squee_1
- Track 3 : Euphoria_2, Alvin_3, Seabiscuit_2, Abbyshoes_2, Lockley_2, Kenmech_2, Briton15_2, DD5_2, McGuire_2, Dussy_2, BeesKnees_2
- Track 4 : Jerm2_2, MetalQZJ_2, Greg_2, Monet_2, Barriga_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, Edtherson_2, NEHalo_2, Norz_2, RidgeCB_2, Watermelon_2, Switzer_2, Rhynn_1, SarFire_2, HarryOW_2, Arcanine_2, Rubeus_2, Rajelicia_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 : BarrowTuph_1
- Track 12 : Alsfro_2, Carlyle_2
- Track 13 : Traft412_3, Dexes_2, Pelly_2, Acme_2
- Track 14 : Burton_2, MPlant7149_2, Bob3_2, Museum_3, Nhonho_2

- Track 15 : Atkinbua_1, Lesedi_1, KyMonks1A_1, Turj99_1, Kykar_1, Magnar_1, Eyeball_1, LunarLander_1, Bxb1_1, Mryolo_1, Paraselene_1, QTRlifeCrisis_1
- 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 : Ruotula_2
- 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 : BigPaolini_1, Peterson_1, Doom_1
- Track 27 : Graduation_1
- Track 28 : PhrostyMug_1
- Track 29 : Big3_1
- Track 30 : lLeeKay_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 : KSSJEB_1
- Track 40 : AFIS_1
- Track 41 : Niza_3
- Track 42 : Ichabod_2
- Track 43 : Marge_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 : WalterMcMickey_1, Twister_1, Edison31_1, Topanga_1
- Track 50 : OKCentral2016_1
- Track 51 : RhynO_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, LadyBird_4, Deloris_4, EvilGenius_5, Jerm_5, Dignity_5, SnapTap_5, SweetiePie_5, 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 : Ph8s_4
- Track 79 : DudeLittle_5, Anselm_5, Heffalump_5, Dalmatian_5, QueenB2_5, Fameo_5, Retro23_5
- Track 80 : Leogania_4, BiancaTri92_4
- Track 81 : Lokk_5, Rachaly_5, BobSwaget_5
- Track 82 : Changeling_4, 20ES_4, ArcherNM_4, First_004, Miko_5
- Track 83 : 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 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, AugsMagnumOpus_3, 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, Beauxregard13_1, Sabinator_1, PGHhamlin_3, GtownJaz_1, Penny1_1, DaHudson_1, Watson_1, Malinsilva_3, JHC117_1, KADY_2, 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, 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, HashRod_2, 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, Reba_2, Kalb97_2, JeppNRM_2, Groupthink_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, Cuco_1, Discoknowium_1, Lev2_1, Aragog_1, Tiger_1, Phlorence_1, Archetta_1
- Track 122 : PetterN_1, Benedict_1, EITiger69_1, Jabiru_1, Chadwick_1, Scorpia_1, Naca_1
- Track 123 : Airmid_1
- Track 124 : AgentM_1
- Track 125 : Coog_1, Midas2_1
- Track 126 : PickleBack_1, Conspiracy_1, Jovo_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 : Nergal_81
- Track 150 : MalagasyRose_85
- Track 151 : Exile_60
- Track 152 : Soondubu_62
- Track 153 : Nitro_70
- Track 154 : Yang_68
- Track 155 : Pixelle_68
- Track 156 : DrManhattan_72, Adolin_71
- Track 157 : TforTroy_69
- Track 158 : 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 159 : Tuck_69, Community_70, Phives_70
- Track 160 : DrSierra_66
- Track 161 : Cassia_68
- Track 162 : Reedo_68
- Track 163 : Amyev_68, Tian_67
- Track 164 : KeAlii_67
- Track 165 : Tallboi_69
- Track 166 : Ascela_71, Iter_70
- Track 167 : ObiToo_74, Crewmate_74
- Track 168 : Janeemi_69
- Track 169 : Berrie_69
- Track 170 : Sue2_68
- Track 171 : Jstan_70
- Track 172 : JuneStar_68
- Track 173 : IttyBittyPiggy_70
- Track 174 : Wildwest_65
- Track 175 : VResidence_72
- Track 176 : MissSwiss_70
- Track 177 : MaGuCo_63, Maureen_69, Liebe_69
- Track 178 : Tweety19_69, Snek_68
- Track 179 : JasmineDragon_70, ShakeltOph_72
- Track 180 : VroomVroom_67
- Track 181 : MiniMommy_73
- Track 182 : Emotion_74
- Track 183 : SPB78_77
- Track 184 : VWB_70
- Track 185 : Sujidade_2
- Track 186 : Werner_2, TagePhighter_3, BarryBee_3, Triste_2, SarahRose_2, Asten_2, Chucky_2, OzzyJ_3, Emaanora_3, Dwayne_2, Snorlax_2
- Track 187 : Jash_2, Eddasa_2, Izzy_2, Rusticus_2, BryanRecycles_2, Oliynyk_2

- Track 188 : Bovely_2, Phettuccine_2, Esperer_2, Aaronocolus_2, Unstoppable_2, Leviticus_2, Nerdos_2, Indigo_2
- Track 189 : RedBear_3, South40_2, Katalie_2
- Track 190 : Ozzie_2, Legacy_2, Hydra_3, Caliburn_2, BeardedLady_2, SunsetPointe_2
- Track 191 : Goby_2, Toma_2, Dattran_2
- Track 192 : TuanPN_2, Ejemplo_2
- Track 193 : Lorelei_2, Nabi_2, Rana_2
- Track 194 : Yasdnil_2, Maneekul_2
- Track 195 : Lika_2
- Track 196 : Nanodon_3
- Track 197 : Whatever_2
- Track 198 : Godpower_2
- Track 199 : Brataylor_2
- Track 200 : Hippo_2
- Track 201 : Lannister_3
- Track 202 : Zemlya_2
- Track 203 : Celeste_2
- Track 204 : EnochSoames_2
- Track 205 : Danzina_2
- Track 206 : Tefunt_2
- Track 207 : Alvy_3, Bowden_2, BartholomewSD_3, TinaBelcher_2, TrvxScott_2, Thestral_2
- Track 208 : Zainub_3
- Track 209 : R4_1
- Track 210 : Pablito_2
- Track 211 : Axiom_3, Triumph_3
- Track 212 : Marav_3
- Track 213 : Omar_2, Haizum_2, Nishikigoi_2, Diane_2
- Track 214 : SqueakyClean_3, Animus_3, Janus_3, GirlDinner_2
- Track 215 : Caelum_3
- Track 216 : Amethyst_2
- Track 217 : Paedore_3, Loofah_3
- Track 218 : Jevington_3
- Track 219 : Daudau_2
- Track 220 : Hank144_2
- Track 221 : Issmi_2
- Track 222 : Andris_2
- Track 223 : Paolo_3, Puginator_3
- Track 224 : Yosif_3
- Track 225 : Kaine_3
- Track 226 : Provolone_4, Conan_4, ElGato_4
- Track 227 : Speedwell_3
- Track 228 : Pavo_3
- Track 229 : Saftant_2
- Track 230 : Alsaber_3
- Track 231 : Celery_4
- Track 232 : Amela_2
- Track 233 : Verabelle_3
- Track 234 : Verse_2
- Track 235 : BroPlease_1, phiHau3_1, GreenWeasel_1
- Track 236 : Celia_2, Itza_2, Urza_2
- Track 237 : VieEnRose_2

- Track 238 : PhinkBoden_15, Geeche_13, Cucurbita_13, ClubL_14, Dusty_13, Culver_13, WilliamBoone_12, Bachita_15, Abscondus_13
- Track 239 : Norvs_14, Smoothie_14, Aphelion_14, Lozinak_14, Miskis_12, Engineer_14, Toniann_14
- Track 240 : OneUp_9
- Track 241 : BrutonGaster_7
- Track 242 : JonJames_13, Cardigan_14
- Track 243 : Yvonnetastic_14
- Track 244 : Bantam_8
- Track 245 : Daredevil_10
- Track 246 : SpeedDemon_90
- Track 247 : DatBoi_9
- Track 248 : Towmatter_9
- Track 249 : Mollymur_10
- Track 250 : Honk_82
- Track 251 : Barnstormer_77, UtzChips_77
- Track 252 : Caron_82
- Track 253 : Percival_75, Gretchen_74
- Track 254 : Mabodamaca_75
- Track 255 : Floof_81
- Track 256 : Zeta1847_76
- Track 257 : SuMoo_83
- Track 258 : IAmGroot_75, GardenState_76
- Track 259 : Poushou_54, TouchMeNot_54, Arianna_54
- Track 260 : Marvin_86, Beelzebub_96, Corazon_87, Lilbit_90, FeliMaine_92, Clarkson_93, Huphlepuuff_94, Pringar_88
- Track 261 : JoieB_93, VasuNzinga_90, Raela_94, RedRaider77_92, Poise_93, Caprice_85, Tesla_88, Blackbeetle_93
- Track 262 : Gattaca_91, GoongGoong_90, MosMoris_88
- Track 263 : LittleLaf_90
- Track 264 : Elener_66
- Track 265 : Samy_101
- Track 266 : Attoomi_53
- Track 267 : 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 112, it was called in 299 of the 814 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_4, 40AC_5, AN3_4, AbbyPaige_5, Abbyshoes_2, Acme_2, Acolyte_4, Adahisdi_1, Aeneas_1, Agape74_5, Ajay_1, Alsfro_2, Altman_3, Alvin_3, Anglerfish_2, AnnaL29_4, Anselm_5, Applejack_1, Arcanine_2, ArcherNM_4, Arlo_2, Ashballer_1, Astro_1, Atkinbua_1, BPBiebs31_2, BabyRay_1, BaconJack_2, Baehexic_5, Barriga_2, BarrowTuph_1, Beatrix_1, BeesKnees_2, BengiVuitton_4, Benvolio_5, 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, Buggy_5, Burton_2, Buttons_2, Bxb1_1, CRB1_4, CactusRose_1, Carlyle_2, Caviar_1, Centaur_5,

Chanagan_2, Changeling_4, Chargerpower_5, ChipMunk_5, Ciao_1, Colin_5, Conceptll_2, Corvo_2, Crispicious1_1, Crucio_5, Cueyllyss_1, DD5_2, Dalmatian_5, Deloris_4, Dexes_2, Dignity_5, Dixon_1, Doom_1, DrFeelGood_1, Drake55_5, Dreamboat_2, DroogsArmy_1, DudeLittle_5, Dulcie_1, Dussy_2, Dynamix_2, EZMoney23_4, Echild_5, Edtherson_2, EnzoK_1, Equemioh13_5, Espresso_2, Euphoria_2, EvilGenius_5, Eyeball_1, Fajezeel_2, Fameo_5, Fascinus_1, Fenn_1, FiringLine_5, First_004, Flare16_5, Forsytheast_1, Francis47_2, Froghopper_2, Fushigi_2, GageAP_2, Gail_4, Gandalf20_2, Georgie2_5, Gompeii16_2, Graduation_1, GrecoEtereo_2, Greg_2, Gwendoluna_1, Gyzlar_2, HINdeR_1, Hami1_1, HarryHoudini_5, HarryOW_2, Heffalump_5, Hermia_2, HermioneGrange_2, Homines_2, Hookmount_1, Hope4ever_1, ILeeKay_1, Ichabod_2, IgnatiusPatJac_1, Inyanga_1, Iqorha_1, Isca_1, JC27_2, JF2_1, JF4_1, JackSparrow_1, Jasper_2, Jeeves_4, Jerm2_2, Jerm_5, Jorgensen_2, JoshKayV_5, JuliaChild_2, KBG_2, Kalpine_4, Kanely_3, Kenmech_2, Killigrew_1, Kimona_1, KingCyrus_5, Kugel_1, KyMonks1A_1, Kykar_1, LadyBird_4, Lambert1_1, Lamina13_2, Larenn_5, Leogania_4, Lesedi_1, Leviathan_5, Licorice_2, LilBib_1, LilTurb_5, LionsBait_4, Lockley_2, Lokk_5, Lopton_2, Loser_4, Luchador_4, LunarLander_1, MA5_1, MK4_1, MPlant7149_2, Magnar_1, Makemake_2, Malec_5, Manatee_2, Marcell_2, Marchy_2, Marco3_1, Marge_1, Margo_1, Maroc7_1, MaryBeth_2, McGuire_2, McSinger_2, MetalQZJ_2, Michley_1, MiculUcigas_5, Miko_5, Mkhusei_1, Molly_2, Monet_2, Moose_1, Mryolo_1, Mule_1, Museum_3, NEHalo_2, NaSiaTalie_5, Naira_1, NearlyHeadless_1, Nerujay_1, Nhonho_2, NicoleTera_4, Niza_3, Noella_1, Norz_2, Ohno789_1, Oogway_1, PSullivan_2, PacerPaul_2, Paphu_1, Paraselene_1, Pari_2, Parliament_1, PascalRango_2, PattyP_2, Payneful_2, Pelly_2, Pepe_2, Perseus_1, Peterson_1, Petp2012_2, Petruccio_2, PherrisBueller_2, Phillis_1, Phlippers_1, PinkPlastic_1, Pippin_2, Piro94_4, Pistachio_1, Pita2_2, Pocahontas_1, Power_5, ProMouse_1, Puppy_1, QTRLifeCrisis_1, QueenB2_5, QueenBeesly_5, Rachaly_5, Raid_3, Rajelicia_2, RedRock_4, 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, SarFire_2, Scowl_2, Seabiscuit_2, Seanderson_1, SemperFi_5, ShortQueendom_1, Sibs6_2, SkiPole_2, Sknot_6, Slagathor_2, Smart_1, Smeadley_1, Smeagan_5, Smeagol_1, SnapTap_5, Snazzy_1, Solon_1, SororFago_4, Sorpresa_1, SpikeBT_1, Squee_1, Steamy_4, Stephig9_1, StewieG_1, StrongArm_1, Sumter_1, Sunshine924_1, SweetiePie_5, SwissCheese_1, Switzer_2, Swole_2, TNguyen7_1, Target_2, TarsusIV_5, Tasp14_2, Teodoridan_1, Terrific_6, TheloniousMonk_2, Thor_2, Timshel_1, Todacoro_1, Topgun_1, Tote_2, Traft412_3, Treddle_2, Tripl3t_1, Trixie_4, Trooper_5, Turbido_5, Turj99_1, TwoPeat_2, U2_2, Updawg_5, VA6_4, Violet_2, Watermelon_2, WeiHuaDA_5, Whabigail7_5, Wheeler_2, WideWale_5, Wilkins_1, XianYue_4, Yecey3_4, Zeeculate_1, Zephyr_1, Zeuska_1,

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

- AFIS_1, Elener_66, 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:

- AEgle_67, AN9_4, ANI8_4, Aaronocolus_2, Abrogate_20, Abscondus_13, Adolin_71, Adumb2043_68, Adzzy_4, AgentM_1, Aglet_1, AgronaGT15_1, Airmid_1, Aliter_4, Alma_4, Alsaber_3, Alvy_3, Amela_2, Amethyst_2, Amyev_68, Anaysia_4, Andris_2, Aneem_4, Animus_3, Anon_4, Anthony_1, Anubis_3, Aphelion_14, Aragog_1, Archetta_1, Arianna_54, Arissanee_4, Artemis2UCLA_4, Asa16_69, Ascela_71, Asten_2, Attoomi_53, AugsMagnumOpus_3, Axiom_3, BABullseye_4,

BabyBack_4, Bachita_15, Bachome_4, Bactobuster_4, Bantam_8, Barnstormer_77, BarryBee_3, BartholomewSD_3, Battleship_5, BeardedLady_2, Beauxregard13_1, Beelzebub_96, Beemo_4, Benedict_1, Berrie_69, Blackbeetle_93, Blinn1_4, Blue7_4, BogosyJay_4, Boohoo_4, Bovely_2, Bowden_2, Bowtie_4, Brataylor_2, BreSam8_1, BroPlease_1, BrutonGaster_7, BryanRecycles_2, Bud_4, Bxz2_1, C3_04, Caelum_3, Caliburn_2, Caprice_85, Cardigan_14, Caron_82, Cassia_68, Catalina_4, Celery_4, Celeste_2, Celia_2, Cerulean_1, Chadwick_1, ChampagnePapi_1, Charm_4, Che12_4, Chucky_2, Chupacabra_1, Cindaradix_1, Clarkson_93, CloudWang3_4, ClubL_14, Colbster_1, Community_70, Conan_4, Conquerage_4, Conspiracy_1, Coog_1, Cookiedough_4, Corazon_87, Crewmate_74, Cuco_1, Cucurbita_13, Cullens_1, Culver_13, Cyan_70, D29_4, D32_4, DBQu4n_4, DaHudson_1, DaVinci_4, Daishi_1, Danzina_2, Daredevil_10, Darrell_4, DarthPhader_4, DatBoi_9, Dattran_2, Daudau_2, DekHockey33_4, Diane_2, Dieselweasel_1, Discoknowium_1, Dorothea_4, DrManhattan_72, DrSierra_66, Drake94_1, DreamCatcher_2, DreamTeam1_4, Duplo_4, Dusty_13, Dwayne_2, EagleEye_4, Eaglepride_1, Ebony_4, Eddasa_2, Edison31_1, Eidsmoe_4, Ejemplo_2, ElGato_4, ElTiger69_1, Elephantoon_4, Elezi_68, Emaanora_3, Emotion_74, EmyBug_4, Engineer_14, EnochSoames_2, EpicPhail_1, Epsocamisio_4, Eraser_69, EricB_4, Esperer_2, Exile_60, ExplosioNervosa_4, Farber_1, Fayely_4, FeliMaine_92, Fernando_1, Fibonacci_4, Flaverint_4, Floof_81, FlyCatcher_1, Footloose_71, ForGetIt_1, Fred313_1, GardenState_76, Gattaca_91, GaugeLDP_4, Geeche_13, Gemma_1, Gilberta_4, GingkoMaracino_1, GirlDinner_2, Gladiator_4, Goby_2, Godpower_2, GoongGoong_90, Goose_1, GreedyLawyer_4, GreenWeasel_1, Gretchen_74, 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, Honk_82, Hoot_4, HortumSL17_4, HuhtaEnerson15_1, Huphlebuff_94, Hutc2_4, Hydra_3, IAmGroot_75, Indigo_2, Indra_4, Insomnia_4, IronMan_4, Isiphiwo_4, Issmi_2, Iter_70, IttyBittyPiggy_70, Itza_2, Iwokeuplikedis_5, Izzy_2, JHC117_1, JSwag_4, Jaan_4, Jabiru_1, Jabith_4, Janeemi_69, Janus_3, Jash_2, JasmineDragon_70, Jeffabunny_4, JenCasNa_1, JeppNRM_2, Jevington_3, JewelBug_4, Jobu08_1, Joemato_71, JohnDoe_70, JoieB_93, JonJames_13, Jordennis_4, Joselito_4, Journey13_4, Jovo_1, Jsquared_4, Jstan_70, JuneStar_68, KADY_2, Kachowdy_1, Kaine_3, Kalb97_2, Kalnoky_2, Katalie_2, KatherineG_4, Kaylissa_71, Kazan_4, KeAlii_67, Kerberos_4, Keziacharles14_4, Kipper29_4, KittenMittens_1, Koko_4, Kristoff_2, L5_4, LBerry_1, LHTSCC_1, Landor_4, Lannister_3, LarryKay_1, LastResort_4, Legacy_2, Lego_69, Lev2_1, Leviticus_2, Liebe_69, Lika_2, Lilbit_90, Lilbunny_4, Lilith_1, LittleCherry_1, LittleLaf_90, Lizalica_69, London_69, LoneWolf_4, Loofah_3, Looper_4, Lorelei_2, Louie6_1, Lozinak_14, Lucivia_4, Lucyedi_4, LugYA_3, MaCh_4, MaGuCo_63, Mabodamaca_75, MadMarie_1, Mainiac_1, MalagasyRose_85, Malinsilva_3, Maminiaina_4, Maneekul_2, Manu_2, MarQuardt_1, Marav_3, Marie_1, Marius_2, Marsha_2, Marvin_86, Maureen_69, McFly_4, Methuselah_1, Microwolf_1, Midas2_1, Milcery_1, MinecraftSteve_5, MiniMommy_73, Miskis_12, MissSwiss_70, MissWhite_4, Mollymur_10, MoneyMay_1, MosMoris_88, Mudpuppy_68, Mulciber_4, Munch_4, MyraDee_1, Myxus_4, Nabi_2, Naca_1, Naji_4, Nanodon_3, Nebulosus_4, Nedarya_4, Neeharika16_4, Nerdos_2, Nergal_81, Newrala_4, Niobe_69, Nishikigoi_2, Nitro_70, Norvs_14, OKCentral2016_1, ObiToo_74, Odin_3, OlanP_1, Oliynyk_2, Ollie_1, Omar_2, OneUp_9, 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, Percival_75, PetterN_1, Ph8s_4, Phaded_4, Phaeder_4, Phantastic_1, Pharaoh_4, Phettuccine_2, PhinkBoden_15, PhishRPhriends_1, Phives_70, Phlorence_1, Phoebe_1, Phonnegut_4, Phoxy_1, Phranny_2, PickleBack_1, Pioneer_4, Pixelle_68, Pmask_4, Poise_93, Pomar16_4,

Poompha_1, PotatoSplit_2, Poushou_54, Powerpuff_71, Priamo_4, Pringar_88, Priya_4, Provolone_4, Puginator_3, Pukovnik_4, PurpleHaze_1, Qobbit_4, R4_1, Raela_94, Rahalelujah_4, Rana_2, ReMo_4, Reba_2, RedBear_3, RedRaider77_92, Reedo_68, Remus_4, RhynO_1, Rifter_4, Roksolana_4, Rosalind_4, Rummer_1, Ruotula_2, Rusticus_2, RyeScarlet_5, SPB78_77, Sabia_1, Sabinator_1, Saftant_2, Salz_4, Samy_101, 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, Smoothie_14, Snape_4, Sneak_68, Snorlax_2, SoilDragon_1, Soondubu_62, Soshari_3, Soups_4, South40_2, SpeedDemon_90, Speedwell_3, Spike509_1, Spouty_4, SqueakyClean_3, Stagni_1, StarStuff_4, StepMih_1, Stink_1, Strosahl_4, SuMoo_83, Subaru_69, Sue2_68, Sujidade_2, SunsetPointe_2, SuperAwesome_4, SuperCallie99_4, Superchunk_4, Switzerland_4, TagePhighter_3, Tallboi_69, Taurus_1, Tbone_69, Tefunt_2, Tesla_88, TforTroy_69, Thestral_2, Tian_67, Tiffany_1, Tiger_1, Timothy_4, TinaBelcher_2, TinyTimmy_4, TipsytheTRex_4, Toma_2, Tomathan_4, Toniann_14, Topanga_1, Toro_1, TouchMeNot_54, Towmatter_9, Travvers_4, Triste_2, Triumph_3, TrvxScott_2, TuanPN_2, Tubs_4, Tuck_69, Tucker_4, Turab_68, Tutumahutu_71, Tweety19_69, Twister_1, UnionJack_87, Unstoppable_2, Urza_2, UtzChips_77, VC3_4, VResidence_72, VWB_70, Vanisoa_4, VasuNzinga_90, Verabelle_3, Verse_2, VieEnRose_2, Vix_1, VohminGhazi_4, VroomVroom_67, Waits_4, WalterMcMickey_1, Warda_70, Watson_1, Werner_2, Whatever_2, Wiks_4, Wildwest_65, WilliamBoone_12, Wooldri_3, WunderPhul_4, Yang_68, Yasdnil_2, YesChef_69, Yokurt_4, Yosif_3, Yvonnestic_14, Zainub_3, Zaka_4, Zemlya_2, Zeta1847_76, Zetzy_1, Zimmer_4, Zulu_4, phiHau3_1,

Summary by start number:

Start 34:

- Found in 2 of 868 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 814
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Amela_2 (BD3),

Start 40:

- Found in 25 of 868 (2.9%) of genes in pham
- Manual Annotations of this start: 2 of 814
- Called 8.0% of time when present
- Phage (with cluster) where this start called: Brataylor_2 (BD1), Whatever_2 (BD1),

Start 46:

- Found in 3 of 868 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 814
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Godpower_2 (BD1),

Start 65:

- Found in 3 of 868 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 814
- Called 66.7% of time when present
- Phage (with cluster) where this start called: ChampagnePapi_1 (A4), Stink_1 (A4),

Start 66:

- Found in 2 of 868 (0.2%) of genes in pham

- Manual Annotations of this start: 1 of 814
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cindaradix_1 (A4),

Start 71:

- Found in 10 of 868 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 814
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Daudau_2 (BD2),

Start 77:

- Found in 79 of 868 (9.1%) of genes in pham
- Manual Annotations of this start: 4 of 814
- 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 83:

- Found in 31 of 868 (3.6%) of genes in pham
- Manual Annotations of this start: 1 of 814
- Called 3.2% of time when present
- Phage (with cluster) where this start called: Papez_2 (A1),

Start 86:

- Found in 22 of 868 (2.5%) of genes in pham
- Manual Annotations of this start: 3 of 814
- Called 13.6% of time when present
- Phage (with cluster) where this start called: ExplosioNervosa_4 (A9), Qobbit_4 (A9), Toaka_4 (A9),

Start 87:

- Found in 2 of 868 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 814
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Danzina_2 (BD1),

Start 89:

- Found in 75 of 868 (8.6%) of genes in pham
- Manual Annotations of this start: 31 of 814
- Called 41.3% of time when present
- Phage (with cluster) where this start called: 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), Kalnoky_2 (A3), LBerry_1 (A3), LugYA_3 (A3), MadMarie_1 (A3), Marie_1 (A3), MoneyMay_1 (A3), 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 91:

- Found in 106 of 868 (12.2%) of genes in pham
- Manual Annotations of this start: 3 of 814
- Called 2.8% of time when present

- Phage (with cluster) where this start called: AFIS_1 (A1), KSSJEB_1 (A1), MrGordo_1 (A1),

Start 94:

- Found in 26 of 868 (3.0%) of genes in pham
- Manual Annotations of this start: 25 of 814
- Called 96.2% 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), Conspiracy_1 (A5), Coog_1 (A5), Cuco_1 (A5), Discoknowium_1 (A5), EITiger69_1 (A5), ForGetIt_1 (A5), HuhtaEnerson15_1 (A5), Jabiru_1 (A5), Jovo_1 (A5), Lev2_1 (A5), LittleCherry_1 (A5), Midas2_1 (A5), Milcery_1 (A5), Naca_1 (A5), PetterN_1 (A5), Phlorence_1 (A5), PickleBack_1 (A5), Scorpia_1 (A5), Tiger_1 (A5), UnionJack_87 (A5),

Start 96:

- Found in 5 of 868 (0.6%) of genes in pham
- Manual Annotations of this start: 3 of 814
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Fred313_1 (A3), Kachowdy_1 (A3), Phantastic_1 (A3), Scout_1 (A3),

Start 97:

- Found in 95 of 868 (10.9%) of genes in pham
- Manual Annotations of this start: 63 of 814
- Called 67.4% 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), Chupacabra_1 (A10), DaHudson_1 (A3), Drake94_1 (A10), Eaglepride_1 (A10), Edison31_1 (A10), EpicPhail_1 (A3), Farber_1 (A3), Fernando_1 (A3), Gattaca_91 (S), GoongGoong_90 (S), Goose_1 (A10), 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), KittenMittens_1 (A10), Kristoff_2 (A10), 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), MosMoris_88 (S), OKCentral2016_1 (A10), OlanP_1 (A3), Ollie_1 (A3), PGHhamlin_3 (A3), PeaceMeal1_1 (A10), Penny1_1 (A3), PhishRPhriends_1 (A3), Phoxy_1 (A3), Phranny_2 (A3), Poompha_1 (A10), Reba_2 (A3), RhynO_1 (A10), Sabinator_1 (A3), Severus_1 (A10), Spike509_1 (A3), Stagni_1 (A3), StepMih_1 (A3), Tiffany_1 (A3), Topanga_1 (A10), Twister_1 (A10), Vix_1 (A3), WalterMcMickey_1 (A10), Watson_1 (A3),

Start 98:

- Found in 17 of 868 (2.0%) of genes in pham
- Manual Annotations of this start: 14 of 814
- Called 94.1% of time when present
- Phage (with cluster) where this start called: Beelzebub_96 (S), Blackbeetle_93 (S), Caprice_85 (S), Clarkson_93 (S), Corazon_87 (S), FeliMaine_92 (S), Huphlepuuff_94 (S), JoieB_93 (S), Lilbit_90 (S), Marvin_86 (S), Poise_93 (S), Pringar_88 (S), Raela_94 (S), RedRaider77_92 (S), Tesla_88 (S), VasuNzinga_90 (S),

Start 99:

- Found in 97 of 868 (11.2%) of genes in pham
- Manual Annotations of this start: 1 of 814

- Called 2.1% of time when present
- Phage (with cluster) where this start called: MyraDee_1 (A18), PhineBark_1 (A1),

Start 103:

- Found in 17 of 868 (2.0%) of genes in pham
- Manual Annotations of this start: 2 of 814
- Called 23.5% of time when present
- Phage (with cluster) where this start called: FlyCatcher_1 (A7), Sheen_1 (A7), Tefunt_2 (BD2), Toro_1 (A7),

Start 105:

- Found in 4 of 868 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 814
- 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 108:

- Found in 26 of 868 (3.0%) of genes in pham
- Manual Annotations of this start: 2 of 814
- 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 109:

- Found in 128 of 868 (14.7%) of genes in pham
- Manual Annotations of this start: 117 of 814
- Called 96.1% of time when present
- Phage (with cluster) where this start called: AEgle_67 (AZ1), Aaronocolus_2 (BD1), Adolin_71 (AZ1), Adumb2043_68 (AZ1), Amyev_68 (AZ1), Asa16_69 (AZ1), Ascela_71 (AZ1), Asten_2 (BD1), Attoomi_53 (singleton), Barnstormer_77 (EH), BarryBee_3 (BD1), BeardedLady_2 (BD1), Berrie_69 (AZ1), Bovely_2 (BD1), BryanRecycles_2 (BD1), Caliburn_2 (BD1), Caron_82 (EH), Cassia_68 (AZ1), Celeste_2 (BD1), Chucky_2 (BD1), Community_70 (AZ1), Crewmate_74 (AZ1), Cyan_70 (AZ1), Dattran_2 (BD1), DrManhattan_72 (AZ1), DrSierra_66 (AZ1), Dwayne_2 (BD1), Eddasa_2 (BD1), Ejemplo_2 (BD1), Elezi_68 (AZ1), Emaanora_3 (BD1), Emotion_74 (AZ4), Eraser_69 (AZ1), Esperer_2 (BD1), Exile_60 (AZ), Floof_81 (EH), Footloose_71 (singleton), GardenState_76 (EH), Goby_2 (BD1), Gretchen_74 (EH), Hippo_2 (BD1), Honk_82 (EH), Hydra_3 (BD1), IAmGroot_75 (EH), Indigo_2 (BD1), Iter_70 (AZ1), IttyBittyPiggy_70 (AZ1), Izzy_2 (BD1), Janeemi_69 (AZ1), Jash_2 (BD1), Joemato_71 (AZ1), JohnDoe_70 (AZ1), JuneStar_68 (AZ1), Katalie_2 (BD1), Kaylissa_71 (AZ1), KeAlii_67 (AZ1), Lannister_3 (BD1), Legacy_2 (BD1), Lego_69 (AZ1), Leviticus_2 (BD1), Liebe_69 (AZ2), Lika_2 (BD1), Lizalica_69 (AZ1), London_69 (AZ1), Lorelei_2 (BD1), MaGuCo_63 (AZ2), Mabodamaca_75 (EH), Maneekul_2 (BD1), Maureen_69 (AZ2), MissSwiss_70 (AZ1), Mudpuppy_68 (AZ1), Nabi_2 (BD1), Nanodon_3 (BD1), Nerdos_2 (BD1), Niobe_69 (AZ1), Nitro_70 (AZ1), ObiToo_74 (AZ1), Oliynk_2 (BD1), Ozzie_2 (BD1), OzzyJ_3 (BD1), Percival_75 (EH), Phettuccine_2 (BD1), Phives_70 (AZ1), Pixelle_68 (AZ1), Powerpuff_71 (AZ1), Rana_2 (BD1), RedBear_3 (BD1), Reedo_68 (AZ1), Rusticus_2 (BD1), Samy_101 (singleton), SarahRose_2 (BD1), Snek_68 (AZ3), Snorlax_2 (BD1), Soondubu_62 (AZ), South40_2 (BD1), SuMoo_83 (EH), Subaru_69 (AZ1), Sue2_68 (AZ1), Sujidade_2 (BD1), SunsetPointe_2 (BD1), TagePghter_3 (BD1), Tallboi_69 (AZ1), Tbone_69 (AZ1),

TforTroy_69 (AZ1), Tian_67 (AZ1), Toma_2 (BD1), Triste_2 (BD1), TuanPN_2 (BD1), Tuck_69 (AZ1), Turab_68 (AZ1), Tutumahutu_71 (AZ1), Tweety19_69 (AZ3), Unstoppable_2 (BD1), UtzChips_77 (EH), VResidence_72 (AZ1), Warda_70 (AZ1), Werner_2 (BD1), Wildwest_65 (AZ1), Yang_68 (AZ1), Yasdnii_2 (BD1), YesChef_69 (AZ1), Zemlya_2 (BD1), Zeta1847_76 (EH),

Start 110:

- Found in 208 of 868 (24.0%) of genes in pham
- Manual Annotations of this start: 194 of 814
- Called 96.2% of time when present
- Phage (with cluster) where this start called: AN9_4 (A2), ANI8_4 (A2), Adzzy_4 (A2), Aliter_4 (A9), Alma_4 (A9), Alsaber_3 (BD3), Alvy_3 (BD2), Amethyst_2 (BD2), Anaysia_4 (A15), Andris_2 (BD2), Aneem_4 (A11), Animus_3 (BD2), Anon_4 (A15), Arissanae_4 (A9), Artemis2UCLA_4 (A6), Axiom_3 (BD2), BABullseye_4 (A6), BabyBack_4 (A2), Bactobuster_4 (A2), BartholomewSD_3 (BD2), Battleship_5 (A15), Beemo_4 (A9), Blinn1_4 (A6), Blue7_4 (A6), BogosyJay_4 (A9), Boohoo_4 (A15), Bowden_2 (BD2), Bowtie_4 (A11), BroPlease_1 (BD4), Bud_4 (A11), C3_04 (A2), Caelum_3 (BD2), Catalina_4 (A9), Celery_4 (BD3), Celia_2 (BD6), Charm_4 (A9), Che12_4 (A2), CloudWang3_4 (A6), Conan_4 (BD3), Conquerage_4 (A9), Cookiedough_4 (A6), D29_4 (A2), D32_4 (A2), DBQu4n_4 (A2), DaVinci_4 (A6), Darrell_4 (A9), DekHockey33_4 (A15), Diane_2 (BD2), Dorothea_4 (A6), DreamTeam1_4 (A9), Duplo_4 (A2), EagleEye_4 (A16), Eidsmoe_4 (A9), ElGato_4 (BD3), Elephantoon_4 (A9), EmyBug_4 (A9), EnochSoames_2 (BD1), Epsocamisio_4 (A15), EricB_4 (A6), Fayely_4 (A9), Fibonacci_4 (A11), Flaverint_4 (A11), GaugeLDP_4 (A2), Gilberta_4 (A11), GirlDinner_2 (BD2), Gladiator_4 (A6), GreedyLawyer_4 (A6), GreenWeasel_1 (BD4), Gruunaga_4 (A6), Haizum_2 (BD2), Hammer_4 (A6), Hank144_2 (BD2), Herbertwm_1 (A2), Hexamo_4 (A6), Hoot_4 (A6), HortumSL17_4 (A9), Hutc2_4 (A11), Indra_4 (A6), Insomnia_4 (A11), IronMan_4 (A2), Isiphiwo_4 (A6), Issmi_2 (BD2), Itza_2 (BD6), Iwokeuplikedis_5 (A2), JSwag_4 (A15), Jaan_4 (A2), Jabith_4 (A11), Janus_3 (BD2), Jeffabunny_4 (A6), Jevington_3 (BD2), JewelBug_4 (A6), Jordennis_4 (A6), Joselito_4 (A11), Journey13_4 (A2), Jsquared_4 (A2), Kaine_3 (BD3), KatherineG_4 (A15), Kazan_4 (A6), Kerberos_4 (A2), Keziacharles14_4 (A9), Kipper29_4 (A6), Koko_4 (A6), L5_4 (A2), Landor_4 (A2), LastResort_4 (A15), Lilbunny_4 (A6), LoneWolf_4 (A9), Loofah_3 (BD2), Looper_4 (A15), Lucivia_4 (A11), Lucyedi_4 (A16), MaCh_4 (A11), Maminiaina_4 (A9), Marav_3 (BD2), McFly_4 (A6), MinecraftSteve_5 (A15), MissWhite_4 (A2), Mulciber_4 (A11), Munch_4 (A11), Myxus_4 (A9), Naji_4 (A2), Nebulosus_4 (A15), Nedarya_4 (A15), Neeharika16_4 (A6), Newrala_4 (A6), Nishikigoi_2 (BD2), Odin_3 (A2), Omar_2 (BD2), Pablito_2 (BD2), PackMan_4 (A9), Paedore_3 (BD2), PainterBoy_4 (A16), Paolo_3 (BD2), Pavo_3 (BD3), Ph8s_4 (A2), Phaded_4 (A2), Phaeder_4 (A9), Phonnegut_4 (A9), Pioneer_4 (A9), Pmask_4 (A6), Pomar16_4 (A2), Priamo_4 (A6), Priya_4 (A9), Provolone_4 (BD3), Puginator_3 (BD2), Pukovnik_4 (A2), R4_1 (BD2), Rahalelujah_4 (A9), ReMo_4 (A15), Remus_4 (A15), Rifter_4 (A6), Roksolana_4 (A6), Rosalind_4 (A15), RyeScarlet_5 (A9), Saftant_2 (BD3), Salz_4 (A11), Scherzo_4 (A9), Serenity_4 (A2), Sham4_4 (A11), ShayRa_5 (A15), SheaKeira_4 (A9), SmellyB_4 (A6), Snape_4 (A11), Soups_4 (A15), Speedwell_3 (BD3), Spouty_4 (A9), SqueakyClean_3 (BD2), StarStuff_4 (A2), Strosahl_4 (A15), SuperAwesome_4 (A6), SuperCallie99_4 (A6), Superchunk_4 (A2), Switzerland_4 (A15), Thestral_2 (BD2), Timothy_4 (A11), TinaBelcher_2 (BD2), TinyTimmy_4 (A11), TipsytheTRex_4 (A2), Tomathan_4 (A2), Travvers_4 (A2), Triumph_3 (BD2), TrvxScott_2 (BD2), Tubs_4 (A9), Tucker_4 (A6), Urza_2 (BD6), VC3_4 (A2), Vanisoa_4 (A9), Verabelle_3 (BD3), Verse_2 (BD3), VieEnRose_2 (BD6), VohminGhazi_4 (A6), Waits_4 (A15), Wiks_4 (A6), WunderPhul_4 (A6),

Yokurt_4 (A6), Yosif_3 (BD3), Zainub_3 (BD2), Zaka_4 (A6), Zulu_4 (A6), phiHau3_1 (BD4),

Start 111:

- Found in 4 of 868 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 814
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DarthPhader_4 (A12), Marsha_2 (A1), Pharaoh_4 (A12), Zimmer_4 (A12),

Start 112:

- Found in 335 of 868 (38.6%) of genes in pham
- Manual Annotations of this start: 299 of 814
- Called 96.7% of time when present
- Phage (with cluster) where this start called: 20ES_4 (A2), 40AC_5 (A17), AN3_4 (A2), AbbyPaige_5 (A2), Abbysshoes_2 (A1), Acme_2 (A1), Acolyte_4 (A2), Adahisdi_1 (A1), Aeneas_1 (A1), Agape74_5 (A2), Ajay_1 (A1), Alsfro_2 (A1), Altman_3 (A1), Alvin_3 (A1), Anglerfish_2 (A1), AnnaL29_4 (A2), Anselm_5 (A2), Applejack_1 (A1), Arcanine_2 (A1), ArcherNM_4 (A2), Arlo_2 (A1), Ashballer_1 (A1), Astro_1 (A8), Atkinbua_1 (A1), BPBiebs31_2 (A1), BabyRay_1 (A3), BaconJack_2 (A1), Baehexic_5 (A2), Barriga_2 (A1), BarrowTuph_1 (A1), Beatrix_1 (A1), BeesKnees_2 (A1), BengiVuitton_4 (A2), Benvolio_5 (A2), Bethlehem_2 (A1), Bexan_1 (A1), BiancaTri92_4 (A2), Big3_1 (A1), BigMau_3 (A1), BigPaolini_1 (A1), Bigchung1_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), Buggy_5 (A2), Burton_2 (A1), Buttons_2 (A1), Bxb1_1 (A1), CRB1_4 (A2), CactusRose_1 (A1), Carlyle_2 (A1), Caviar_1 (A3), Centaur_5 (A2), Chanagan_2 (A1), Changeling_4 (A2), Chargerpower_5 (A), ChipMunk_5 (A2), Ciao_1 (A1), Colin_5 (A2), Conceptll_2 (A1), Corvo_2 (A1), Crispicous1_1 (A1), Crucio_5 (A2), Cueyllyss_1 (A1), DD5_2 (A1), Dalmatian_5 (A2), Deloris_4 (A2), Dexes_2 (A1), Dignity_5 (A2), Dixon_1 (A8), Doom_1 (A1), DrFeelGood_1 (A1), Drake55_5 (A2), Dreamboat_2 (A1), DroogsArmy_1 (A7), DudeLittle_5 (A2), Dulcie_1 (A1), Dussy_2 (A1), Dynamix_2 (A1), EZMoney23_4 (A2), Echild_5 (A2), Edtherson_2 (A1), EnzoK_1 (A1), Equemioh13_5 (A2), Espresso_2 (A1), Euphoria_2 (A1), EvilGenius_5 (A2), Eyeball_1 (A1), Fajezeel_2 (A1), Fameo_5 (A2), Fascinus_1 (A1), Fenn_1 (A1), FiringLine_5 (A2), First_004 (A2), Flare16_5 (A2), Forsytheast_1 (A1), Francis47_2 (A1), Froghopper_2 (A1), Fushigi_2 (A1), GageAP_2 (A1), Gail_4 (A14), Gandalf20_2 (A1), Georgie2_5 (A2), Gompeii16_2 (A1), Graduation_1 (A1), GrecoEtereo_2 (A1), Greg_2 (A1), 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), Homines_2 (A1), Hookmount_1 (A3), Hope4ever_1 (A1), ILeeKay_1 (A1), Ichabod_2 (A1), IgnatiusPatJac_1 (A1), Inyanga_1 (A1), Iqorha_1 (A1), Isca_1 (A3), JC27_2 (A1), JF2_1 (A3), JF4_1 (A3), JackSparrow_1 (A1), Jasper_2 (A1), Jeeves_4 (A14), Jerm2_2 (A1), Jerm_5 (A2), Jorgensen_2 (A1), JoshKayV_5 (A2), JuliaChild_2 (A1), KBG_2 (A1), Kalpine_4 (A2), Kanely_3 (A1), 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), Leogania_4 (A2), Lesedi_1 (A1), Leviathan_5 (A2), Licorice_2 (A1), LilBib_1 (A1), LilTurb_5 (A2), LionsBait_4 (A2), Lockley_2 (A1), Lokk_5 (A2), Lopton_2 (A1), Loser_4 (A2), Luchador_4 (A14), LunarLander_1 (A1), MA5_1 (A3), MK4_1 (A3), MPlant7149_2 (A1), 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), McGuire_2 (A1),

McSinger_2 (A1), MetalQZJ_2 (A1), Michley_1 (A1), MiculUcigas_5 (A2), Miko_5 (A2), Mkhuse1_1 (A1), Molly_2 (A1), Monet_2 (A1), Moose_1 (A1), Mryolo_1 (A1), Mule_1 (A1), Museum_3 (A1), NEHalo_2 (A1), NaSiaTalie_5 (A2), Naira_1 (A1), NearlyHeadless_1 (A8), Nerujay_1 (A1), Nhonho_2 (A1), NicoleTera_4 (A2), Niza_3 (A1), Noella_1 (A3), Norz_2 (A1), Ohno789_1 (A1), 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), Perseus_1 (A1), Peterson_1 (A1), Petp2012_2 (A1), Petruchio_2 (A1), PherrisBueller_2 (A1), Phillis_1 (A8), Phlippers_1 (A1), PinkPlastic_1 (A1), Pippin_2 (A1), Piro94_4 (A2), Pistachio_1 (A3), Pita2_2 (A1), Pocahontas_1 (A3), Power_5 (A2), 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), 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), 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), SnapTap_5 (A2), Snazzy_1 (A1), Solon_1 (A1), SororFago_4 (A14), Sorpresa_1 (A1), SpikeBT_1 (A1), Squee_1 (A1), Steamy_4 (A12), Stephig9_1 (A8), StewieG_1 (A1), StrongArm_1 (A1), Sumter_1 (A1), Sunshine924_1 (A1), SweetiePie_5 (A2), SwissCheese_1 (A1), Switzer_2 (A1), Swole_2 (A1), TNguyen7_1 (A3), Target_2 (A1), TarsusIV_5 (A2), Tasp14_2 (A1), Teodoridan_1 (A1), Terrific_6 (A2), TheloniousMonk_2 (A1), Thor_2 (A1), Timshel_1 (A7), Todacoro_1 (A3), Topgun_1 (A1), Tote_2 (A1), Traft412_3 (A1), Treddle_2 (A1), Tripl3t_1 (A1), Trixie_4 (A2), Trooper_5 (A2), Turbido_5 (A2), Turj99_1 (A1), TwoPeat_2 (A1), U2_2 (A1), Updawg_5 (A2), VA6_4 (A2), Violet_2 (A1), Watermelon_2 (A1), WeiHuaDA_5 (A2), Whabigail7_5 (A2), Wheeler_2 (A1), WideWale_5 (A2), Wilkins_1 (A1), XianYue_4 (A2), Yecey3_4 (A9), Zeeculate_1 (A1), Zephyr_1 (A1), Zeuska_1 (A1),

Start 113:

- Found in 30 of 868 (3.5%) of genes in pham
- Manual Annotations of this start: 26 of 814
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_13 (CQ1), Aphelion_14 (CQ1), Arianna_54 (EO), Bachita_15 (CQ1), Bantam_8 (DL), BrutonGaster_7 (CQ2), Cardigan_14 (DD), ClubL_14 (CQ1), Cucurbita_13 (CQ1), Culver_13 (CQ1), Daredevil_10 (DL), DatBoi_9 (DL), Dusty_13 (CQ1), Engineer_14 (CQ1), Geeche_13 (CQ1), JonJames_13 (DD), Lozinak_14 (CQ1), Miskis_12 (CQ1), Mollymur_10 (DL), Norvs_14 (CQ1), OneUp_9 (CQ2), PhinkBoden_15 (CQ1), Poushou_54 (EO), Smoothie_14 (CQ1), SpeedDemon_90 (DL), Toniann_14 (CQ1), TouchMeNot_54 (EO), Towmatter_9 (DL), WilliamBoone_12 (CQ1), Yvonnetastic_14 (DD),

Start 114:

- Found in 9 of 868 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 814
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Airmid_1 (A5),

Start 115:

- Found in 24 of 868 (2.8%) of genes in pham
- Manual Annotations of this start: 4 of 814
- Called 20.8% of time when present

- Phage (with cluster) where this start called: Abrogate_20 (A1), DreamCatcher_2 (A1), LittleLaf_90 (S), Ruotula_2 (A1), Sanya_1 (A1),

Start 117:

- Found in 25 of 868 (2.9%) of genes in pham
- Manual Annotations of this start: 3 of 814
- Called 12.0% of time when present
- Phage (with cluster) where this start called: Bachome_4 (A11), Ebony_4 (A11), Orange_4 (A11),

Start 119:

- Found in 2 of 868 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 814
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_85 (AG), Nergal_81 (AG),

Start 120:

- Found in 23 of 868 (2.6%) of genes in pham
- No Manual Annotations of this start.
- Called 4.3% of time when present
- Phage (with cluster) where this start called: Jstan_70 (AZ1),

Start 161:

- Found in 18 of 868 (2.1%) of genes in pham
- Manual Annotations of this start: 1 of 814
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Elener_66 (singleton),

Summary by clusters:

There are 40 clusters represented in this pham: singleton, BA, DD, DL, A7, A15, A14, A17, AZ, A11, A10, A12, A19, A18, A1, BD4, A3, A2, BD1, A4, BD3, A6, A9, CQ2, CQ1, A, EO, EH, AG, BD2, S, A16, A8, A5, A20, BD6, AZ1, AZ2, AZ3, AZ4,

Info for manual annotations of cluster A:

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

Info for manual annotations of cluster A1:

- Start number 77 was manually annotated 4 times for cluster A1.
- Start number 83 was manually annotated 1 time for cluster A1.
- Start number 91 was manually annotated 3 times for cluster A1.
- Start number 111 was manually annotated 1 time for cluster A1.
- Start number 112 was manually annotated 194 times for cluster A1.
- Start number 115 was manually annotated 3 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 97 was manually annotated 15 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 110 was manually annotated 19 times for cluster A11.
- Start number 117 was manually annotated 3 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 111 was manually annotated 3 times for cluster A12.
- Start number 112 was manually annotated 2 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 112 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 110 was manually annotated 21 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 110 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 99 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 112 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 110 was manually annotated 34 times for cluster A2.
- Start number 112 was manually annotated 67 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 97 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 89 was manually annotated 31 times for cluster A3.
- Start number 96 was manually annotated 3 times for cluster A3.
- Start number 97 was manually annotated 45 times for cluster A3.
- Start number 112 was manually annotated 18 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 65 was manually annotated 2 times for cluster A4.
- Start number 66 was manually annotated 1 time for cluster A4.
- Start number 108 was manually annotated 2 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 94 was manually annotated 25 times for cluster A5.
- Start number 114 was manually annotated 1 time for cluster A5.

Info for manual annotations of cluster A6:

- Start number 110 was manually annotated 41 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 103 was manually annotated 1 time for cluster A7.
- Start number 112 was manually annotated 3 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 112 was manually annotated 8 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 86 was manually annotated 3 times for cluster A9.
- Start number 110 was manually annotated 30 times for cluster A9.
- Start number 112 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AG:

- Start number 119 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AZ:

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

Info for manual annotations of cluster AZ1:

- Start number 109 was manually annotated 44 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 109 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 109 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 105 was manually annotated 2 times for cluster AZ4.
- Start number 109 was manually annotated 1 time for cluster AZ4.

Info for manual annotations of cluster BD1:

- Start number 40 was manually annotated 2 times for cluster BD1.
- Start number 46 was manually annotated 1 time for cluster BD1.
- Start number 87 was manually annotated 1 time for cluster BD1.
- Start number 109 was manually annotated 51 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 71 was manually annotated 1 time for cluster BD2.
- Start number 103 was manually annotated 1 time for cluster BD2.
- Start number 110 was manually annotated 29 times for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 34 was manually annotated 1 time for cluster BD3.
- Start number 110 was manually annotated 10 times for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 110 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 110 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster CQ1:

- Start number 113 was manually annotated 14 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 113 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster DD:

- Start number 113 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:

- Start number 113 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster EH:

- Start number 109 was manually annotated 12 times for cluster EH.

Info for manual annotations of cluster EO:

- Start number 113 was manually annotated 3 times for cluster EO.

Info for manual annotations of cluster S:

- Start number 97 was manually annotated 2 times for cluster S.
- Start number 98 was manually annotated 14 times for cluster S.
- Start number 115 was manually annotated 1 time for cluster S.

Gene Information:

Gene: 20ES_4 Start: 2483, Stop: 2779, Start Num: 112

Candidate Starts for 20ES_4:

(Start: 112 @2483 has 299 MA's),

Gene: 40AC_5 Start: 2296, Stop: 2592, Start Num: 112

Candidate Starts for 40AC_5:

(Start: 112 @2296 has 299 MA's), (140, 2413),

Gene: AEgle_67 Start: 42706, Stop: 43008, Start Num: 109

Candidate Starts for AEgle_67:

(Start: 109 @42706 has 117 MA's), (120, 42757), (123, 42772), (139, 42823), (150, 42898), (167, 42997),

Gene: AFIS_1 Start: 572, Stop: 895, Start Num: 91

Candidate Starts for AFIS_1:

(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 112 @599 has 299 MA's), (Start: 117 @632 has 3 MA's), (141, 722), (156, 812), (163, 848),

Gene: AN3_4 Start: 2464, Stop: 2760, Start Num: 112

Candidate Starts for AN3_4:

(Start: 112 @2464 has 299 MA's), (141, 2587),

Gene: AN9_4 Start: 2344, Stop: 2640, Start Num: 110

Candidate Starts for AN9_4:

(Start: 110 @2344 has 194 MA's),

Gene: ANI8_4 Start: 2344, Stop: 2640, Start Num: 110

Candidate Starts for ANI8_4:

(Start: 110 @2344 has 194 MA's),

Gene: Aaronocolus_2 Start: 740, Stop: 1054, Start Num: 109

Candidate Starts for Aaronocolus_2:

(42, 629), (61, 656), (Start: 109 @740 has 117 MA's), (145, 896),

Gene: AbbyPaige_5 Start: 2538, Stop: 2834, Start Num: 112
Candidate Starts for AbbyPaige_5:
(Start: 112 @2538 has 299 MA's), (141, 2661),

Gene: Abbysshoes_2 Start: 758, Stop: 1054, Start Num: 112
Candidate Starts for Abbysshoes_2:
(Start: 112 @758 has 299 MA's), (141, 881), (149, 935), (156, 971), (163, 1007),

Gene: Abrogate_20 Start: 1334, Stop: 1624, Start Num: 115
Candidate Starts for Abrogate_20:
(9, 899), (17, 1016), (54, 1172), (56, 1181), (58, 1184), (Start: 115 @1334 has 4 MA's), (118, 1361),
(156, 1541), (163, 1577),

Gene: Abscondus_13 Start: 3104, Stop: 3412, Start Num: 113
Candidate Starts for Abscondus_13:
(95, 3074), (Start: 113 @3104 has 26 MA's), (Start: 161 @3368 has 1 MA's),

Gene: Acme_2 Start: 781, Stop: 1089, Start Num: 112
Candidate Starts for Acme_2:
(Start: 112 @781 has 299 MA's), (141, 904), (156, 994), (163, 1030),

Gene: Acolyte_4 Start: 2122, Stop: 2418, Start Num: 112
Candidate Starts for Acolyte_4:
(Start: 112 @2122 has 299 MA's),

Gene: Adahisdi_1 Start: 600, Stop: 896, Start Num: 112
Candidate Starts for Adahisdi_1:
(Start: 77 @537 has 4 MA's), (Start: 91 @573 has 3 MA's), (Start: 99 @582 has 1 MA's), (Start: 112 @600 has 299 MA's), (141, 723), (156, 813), (163, 849),

Gene: Adolin_71 Start: 42654, Stop: 42956, Start Num: 109
Candidate Starts for Adolin_71:
(Start: 109 @42654 has 117 MA's), (139, 42771), (150, 42846), (167, 42945),

Gene: Adumb2043_68 Start: 42731, Stop: 43033, Start Num: 109
Candidate Starts for Adumb2043_68:
(Start: 109 @42731 has 117 MA's), (120, 42782), (123, 42797), (139, 42848), (150, 42923), (167, 43022),

Gene: Adzzy_4 Start: 2160, Stop: 2456, Start Num: 110
Candidate Starts for Adzzy_4:
(Start: 110 @2160 has 194 MA's), (146, 2328), (151, 2355),

Gene: Aeneas_1 Start: 595, Stop: 891, Start Num: 112
Candidate Starts for Aeneas_1:
(Start: 77 @532 has 4 MA's), (Start: 91 @568 has 3 MA's), (Start: 99 @577 has 1 MA's), (Start: 108 @592 has 2 MA's), (Start: 112 @595 has 299 MA's), (141, 718), (156, 808), (163, 844),

Gene: Agape74_5 Start: 2538, Stop: 2834, Start Num: 112
Candidate Starts for Agape74_5:
(Start: 112 @2538 has 299 MA's), (141, 2661),

Gene: AgentM_1 Start: 504, Stop: 803, Start Num: 94

Candidate Starts for AgentM_1:

(32, 372), (Start: 94 @504 has 25 MA's), (137, 612), (147, 684), (159, 753), (168, 798),

Gene: Aglet_1 Start: 526, Stop: 819, Start Num: 97

Candidate Starts for Aglet_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: AgronaGT15_1 Start: 518, Stop: 820, Start Num: 89

Candidate Starts for AgronaGT15_1:

(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Airmid_1 Start: 517, Stop: 801, Start Num: 114

Candidate Starts for Airmid_1:

(Start: 94 @502 has 25 MA's), (Start: 114 @517 has 1 MA's), (137, 610), (159, 751), (168, 796),

Gene: Ajay_1 Start: 596, Stop: 892, Start Num: 112

Candidate Starts for Ajay_1:

(Start: 77 @533 has 4 MA's), (Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 108 @593 has 2 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (156, 809), (163, 845),

Gene: Aliter_4 Start: 2335, Stop: 2628, Start Num: 110

Candidate Starts for Aliter_4:

(Start: 86 @2308 has 3 MA's), (Start: 110 @2335 has 194 MA's), (137, 2437), (141, 2455),

Gene: Alma_4 Start: 2333, Stop: 2626, Start Num: 110

Candidate Starts for Alma_4:

(Start: 86 @2306 has 3 MA's), (Start: 110 @2333 has 194 MA's), (137, 2435), (141, 2453),

Gene: Alsaber_3 Start: 970, Stop: 1284, Start Num: 110

Candidate Starts for Alsaber_3:

(104, 964), (Start: 110 @970 has 194 MA's), (123, 1039), (144, 1114), (146, 1147),

Gene: Alsfro_2 Start: 778, Stop: 1083, Start Num: 112

Candidate Starts for Alsfro_2:

(102, 763), (Start: 112 @778 has 299 MA's), (141, 901), (149, 955), (156, 991), (163, 1027),

Gene: Altman_3 Start: 1297, Stop: 1593, Start Num: 112

Candidate Starts for Altman_3:

(Start: 83 @1249 has 1 MA's), (Start: 112 @1297 has 299 MA's), (141, 1420), (156, 1510), (163, 1546),

Gene: Alvin_3 Start: 1213, Stop: 1509, Start Num: 112

Candidate Starts for Alvin_3:

(Start: 112 @1213 has 299 MA's), (141, 1336), (149, 1390), (156, 1426), (163, 1462),

Gene: Alvy_3 Start: 740, Stop: 1054, Start Num: 110

Candidate Starts for Alvy_3:

(Start: 110 @740 has 194 MA's), (144, 884),

Gene: Amela_2 Start: 787, Stop: 1275, Start Num: 34

Candidate Starts for Amela_2:

(Start: 34 @787 has 1 MA's), (36, 790), (38, 802), (41, 811), (59, 853), (63, 859), (104, 955), (Start: 110 @961 has 194 MA's), (123, 1030), (144, 1105), (146, 1138),

Gene: Amethyst_2 Start: 650, Stop: 964, Start Num: 110
Candidate Starts for Amethyst_2:
(Start: 103 @641 has 2 MA's), (Start: 110 @650 has 194 MA's), (134, 755), (144, 794), (146, 827),

Gene: Amyev_68 Start: 43916, Stop: 44218, Start Num: 109
Candidate Starts for Amyev_68:
(Start: 109 @43916 has 117 MA's), (123, 43982), (139, 44033), (147, 44099), (167, 44207),

Gene: Anaysia_4 Start: 2278, Stop: 2574, Start Num: 110
Candidate Starts for Anaysia_4:
(Start: 110 @2278 has 194 MA's), (129, 2368),

Gene: Andris_2 Start: 682, Stop: 996, Start Num: 110
Candidate Starts for Andris_2:
(Start: 110 @682 has 194 MA's), (144, 826), (146, 859),

Gene: Aneem_4 Start: 2356, Stop: 2652, Start Num: 110
Candidate Starts for Aneem_4:
(Start: 110 @2356 has 194 MA's), (Start: 117 @2389 has 3 MA's), (129, 2446), (168, 2647),

Gene: Anglerfish_2 Start: 747, Stop: 1043, Start Num: 112
Candidate Starts for Anglerfish_2:
(Start: 112 @747 has 299 MA's), (141, 870), (156, 960), (163, 996),

Gene: Animus_3 Start: 1027, Stop: 1341, Start Num: 110
Candidate Starts for Animus_3:
(Start: 110 @1027 has 194 MA's), (123, 1096), (144, 1171),

Gene: AnnaL29_4 Start: 2278, Stop: 2574, Start Num: 112
Candidate Starts for AnnaL29_4:
(Start: 112 @2278 has 299 MA's), (141, 2401),

Gene: Anon_4 Start: 2182, Stop: 2478, Start Num: 110
Candidate Starts for Anon_4:
(Start: 110 @2182 has 194 MA's), (144, 2317),

Gene: Anselm_5 Start: 2674, Stop: 2970, Start Num: 112
Candidate Starts for Anselm_5:
(Start: 112 @2674 has 299 MA's), (141, 2797),

Gene: Anthony_1 Start: 406, Stop: 699, Start Num: 97
Candidate Starts for Anthony_1:
(Start: 97 @406 has 63 MA's),

Gene: Anubis_3 Start: 526, Stop: 819, Start Num: 97
Candidate Starts for Anubis_3:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Aphelion_14 Start: 3268, Stop: 3576, Start Num: 113
Candidate Starts for Aphelion_14:
(95, 3238), (Start: 113 @3268 has 26 MA's), (150, 3460), (Start: 161 @3532 has 1 MA's),

Gene: Applejack_1 Start: 597, Stop: 893, Start Num: 112

Candidate Starts for Applejack_1:

(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Aragog_1 Start: 534, Stop: 833, Start Num: 94

Candidate Starts for Aragog_1:

(32, 372), (Start: 94 @534 has 25 MA's), (137, 642), (147, 714), (159, 783), (168, 828),

Gene: Arcanine_2 Start: 750, Stop: 1046, Start Num: 112

Candidate Starts for Arcanine_2:

(Start: 112 @750 has 299 MA's), (141, 873), (156, 963), (163, 999),

Gene: ArcherNM_4 Start: 2293, Stop: 2589, Start Num: 112

Candidate Starts for ArcherNM_4:

(Start: 112 @2293 has 299 MA's),

Gene: Archetta_1 Start: 534, Stop: 833, Start Num: 94

Candidate Starts for Archetta_1:

(32, 372), (Start: 94 @534 has 25 MA's), (137, 642), (147, 714), (159, 783), (168, 828),

Gene: Arianna_54 Start: 40153, Stop: 40458, Start Num: 113

Candidate Starts for Arianna_54:

(Start: 113 @40153 has 26 MA's), (128, 40228), (133, 40249), (146, 40330),

Gene: Arissanae_4 Start: 2121, Stop: 2414, Start Num: 110

Candidate Starts for Arissanae_4:

(Start: 110 @2121 has 194 MA's), (137, 2223), (141, 2241),

Gene: Arlo_2 Start: 747, Stop: 1043, Start Num: 112

Candidate Starts for Arlo_2:

(Start: 112 @747 has 299 MA's), (141, 870), (156, 960), (163, 996),

Gene: Artemis2UCLA_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Artemis2UCLA_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Asa16_69 Start: 43233, Stop: 43535, Start Num: 109

Candidate Starts for Asa16_69:

(Start: 109 @43233 has 117 MA's), (120, 43284), (123, 43299), (139, 43350), (150, 43425), (167, 43524),

Gene: Ascela_71 Start: 43822, Stop: 44124, Start Num: 109

Candidate Starts for Ascela_71:

(Start: 109 @43822 has 117 MA's), (123, 43888), (139, 43939), (150, 44014), (167, 44113),

Gene: Ashballer_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for Ashballer_1:

(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Asten_2 Start: 729, Stop: 1040, Start Num: 109

Candidate Starts for Asten_2:

(Start: 40 @588 has 2 MA's), (52, 627), (Start: 109 @729 has 117 MA's), (125, 801), (145, 882),

Gene: Astro_1 Start: 505, Stop: 798, Start Num: 112

Candidate Starts for Astro_1:

(Start: 112 @505 has 299 MA's), (129, 592), (147, 679), (163, 757), (168, 793),

Gene: Atkinbua_1 Start: 597, Stop: 893, Start Num: 112

Candidate Starts for Atkinbua_1:

(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Attoomi_53 Start: 41445, Stop: 41750, Start Num: 109

Candidate Starts for Attoomi_53:

(Start: 109 @41445 has 117 MA's), (129, 41532), (130, 41538), (141, 41577), (144, 41589),

Gene: AugsMagnumOpus_3 Start: 526, Stop: 819, Start Num: 97

Candidate Starts for AugsMagnumOpus_3:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Axiom_3 Start: 679, Stop: 993, Start Num: 110

Candidate Starts for Axiom_3:

(Start: 110 @679 has 194 MA's), (144, 823),

Gene: BABullseye_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for BABullseye_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: BPBiebs31_2 Start: 832, Stop: 1128, Start Num: 112

Candidate Starts for BPBiebs31_2:

(Start: 83 @784 has 1 MA's), (Start: 112 @832 has 299 MA's), (141, 955), (156, 1045), (163, 1081),

Gene: BabyBack_4 Start: 2096, Stop: 2392, Start Num: 110

Candidate Starts for BabyBack_4:

(Start: 110 @2096 has 194 MA's),

Gene: BabyRay_1 Start: 458, Stop: 754, Start Num: 112

Candidate Starts for BabyRay_1:

(90, 449), (Start: 112 @458 has 299 MA's), (144, 593),

Gene: Bachita_15 Start: 3780, Stop: 4088, Start Num: 113

Candidate Starts for Bachita_15:

(95, 3750), (Start: 113 @3780 has 26 MA's), (Start: 161 @4044 has 1 MA's),

Gene: Bachome_4 Start: 2386, Stop: 2649, Start Num: 117

Candidate Starts for Bachome_4:

(Start: 110 @2353 has 194 MA's), (Start: 117 @2386 has 3 MA's), (129, 2443), (168, 2644),

Gene: BaconJack_2 Start: 750, Stop: 1046, Start Num: 112

Candidate Starts for BaconJack_2:

(Start: 112 @750 has 299 MA's), (141, 873), (156, 963), (163, 999),

Gene: Bactobuster_4 Start: 2106, Stop: 2402, Start Num: 110

Candidate Starts for Bactobuster_4:

(Start: 110 @2106 has 194 MA's), (131, 2205), (151, 2301),

Gene: Baehexic_5 Start: 2625, Stop: 2921, Start Num: 112

Candidate Starts for Baehexic_5:

(35, 2424), (Start: 112 @2625 has 299 MA's),

Gene: Bantam_8 Start: 4561, Stop: 4869, Start Num: 113

Candidate Starts for Bantam_8:

(107, 4546), (Start: 113 @4561 has 26 MA's), (127, 4633), (143, 4699),

Gene: Barnstormer_77 Start: 46434, Stop: 46733, Start Num: 109

Candidate Starts for Barnstormer_77:

(80, 46389), (Start: 109 @46434 has 117 MA's), (135, 46542), (139, 46551),

Gene: Barriga_2 Start: 749, Stop: 1045, Start Num: 112

Candidate Starts for Barriga_2:

(Start: 112 @749 has 299 MA's), (141, 872), (156, 962), (163, 998),

Gene: BarrowTuph_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for BarrowTuph_1:

(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 108 @595 has 2 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: BarryBee_3 Start: 729, Stop: 1040, Start Num: 109

Candidate Starts for BarryBee_3:

(Start: 40 @588 has 2 MA's), (52, 627), (Start: 109 @729 has 117 MA's), (125, 801), (145, 882),

Gene: BartholomewSD_3 Start: 740, Stop: 1054, Start Num: 110

Candidate Starts for BartholomewSD_3:

(Start: 110 @740 has 194 MA's), (144, 884),

Gene: Battleship_5 Start: 2425, Stop: 2721, Start Num: 110

Candidate Starts for Battleship_5:

(Start: 110 @2425 has 194 MA's), (129, 2515),

Gene: BeardedLady_2 Start: 739, Stop: 1053, Start Num: 109

Candidate Starts for BeardedLady_2:

(Start: 109 @739 has 117 MA's), (145, 895),

Gene: Beatrix_1 Start: 599, Stop: 895, Start Num: 112

Candidate Starts for Beatrix_1:

(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 108 @596 has 2 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: Beauxregard13_1 Start: 526, Stop: 819, Start Num: 97

Candidate Starts for Beauxregard13_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Beelzebub_96 Start: 49193, Stop: 49519, Start Num: 98

Candidate Starts for Beelzebub_96:

(Start: 91 @49187 has 3 MA's), (Start: 98 @49193 has 14 MA's), (Start: 115 @49235 has 4 MA's), (124, 49280), (140, 49340), (148, 49400), (158, 49460),

Gene: Beemo_4 Start: 2336, Stop: 2629, Start Num: 110

Candidate Starts for Beemo_4:

(Start: 86 @2309 has 3 MA's), (Start: 110 @2336 has 194 MA's), (137, 2438), (141, 2456),

Gene: BeesKnees_2 Start: 751, Stop: 1047, Start Num: 112

Candidate Starts for BeesKnees_2:

(Start: 112 @751 has 299 MA's), (141, 874), (149, 928), (156, 964), (163, 1000),

Gene: Benedict_1 Start: 503, Stop: 802, Start Num: 94

Candidate Starts for Benedict_1:

(Start: 94 @503 has 25 MA's), (Start: 114 @518 has 1 MA's), (137, 611), (159, 752), (168, 797),

Gene: BengiVuitton_4 Start: 2325, Stop: 2621, Start Num: 112

Candidate Starts for BengiVuitton_4:

(Start: 112 @2325 has 299 MA's), (141, 2448),

Gene: Benvolio_5 Start: 2672, Stop: 2968, Start Num: 112

Candidate Starts for Benvolio_5:

(Start: 112 @2672 has 299 MA's), (141, 2795),

Gene: Berrie_69 Start: 43434, Stop: 43736, Start Num: 109

Candidate Starts for Berrie_69:

(Start: 109 @43434 has 117 MA's), (123, 43500), (139, 43551), (150, 43626), (167, 43725),

Gene: Bethlehem_2 Start: 748, Stop: 1044, Start Num: 112

Candidate Starts for Bethlehem_2:

(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: Bexan_1 Start: 599, Stop: 895, Start Num: 112

Candidate Starts for Bexan_1:

(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 108 @596 has 2 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: BiancaTri92_4 Start: 2316, Stop: 2612, Start Num: 112

Candidate Starts for BiancaTri92_4:

(Start: 112 @2316 has 299 MA's), (140, 2433),

Gene: Big3_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for Big3_1:

(Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: BigMau_3 Start: 748, Stop: 1044, Start Num: 112

Candidate Starts for BigMau_3:

(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: BigPaolini_1 Start: 596, Stop: 892, Start Num: 112

Candidate Starts for BigPaolini_1:

(Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (156, 809), (163, 845),

Gene: Bigchungi_1 Start: 597, Stop: 893, Start Num: 112

Candidate Starts for Bigchungi_1:

(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Bigfoot_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for Bigfoot_1:

(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: BillKnuckles_2 Start: 748, Stop: 1044, Start Num: 112

Candidate Starts for BillKnuckles_2:

(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: Bircsak_2 Start: 835, Stop: 1131, Start Num: 112

Candidate Starts for Bircsak_2:

(Start: 83 @787 has 1 MA's), (Start: 112 @835 has 299 MA's), (141, 958), (156, 1048), (163, 1084),

Gene: Blackbeetle_93 Start: 48691, Stop: 49017, Start Num: 98

Candidate Starts for Blackbeetle_93:

(84, 48664), (Start: 98 @48691 has 14 MA's), (Start: 115 @48733 has 4 MA's), (124, 48778), (140, 48838), (148, 48898), (158, 48958),

Gene: Blinn1_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Blinn1_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: BluSpix_1 Start: 597, Stop: 893, Start Num: 112

Candidate Starts for BluSpix_1:

(Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 108 @594 has 2 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Blue_3 Start: 1232, Stop: 1528, Start Num: 112

Candidate Starts for Blue_3:

(102, 1217), (Start: 112 @1232 has 299 MA's), (141, 1355), (156, 1445), (163, 1481),

Gene: Blue7_4 Start: 2132, Stop: 2428, Start Num: 110

Candidate Starts for Blue7_4:

(Start: 110 @2132 has 194 MA's), (144, 2267),

Gene: BlueBird_1 Start: 420, Stop: 716, Start Num: 112

Candidate Starts for BlueBird_1:

(Start: 112 @420 has 299 MA's), (144, 555),

Gene: Bob3_2 Start: 748, Stop: 1044, Start Num: 112

Candidate Starts for Bob3_2:

(Start: 112 @748 has 299 MA's), (156, 961), (163, 997),

Gene: BobSwaget_5 Start: 2538, Stop: 2834, Start Num: 112

Candidate Starts for BobSwaget_5:

(Start: 112 @2538 has 299 MA's),

Gene: BogosyJay_4 Start: 2102, Stop: 2395, Start Num: 110

Candidate Starts for BogosyJay_4:

(Start: 110 @2102 has 194 MA's), (137, 2204), (141, 2222),

Gene: Bones_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for Bones_1:

(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Boohoo_4 Start: 2278, Stop: 2574, Start Num: 110

Candidate Starts for Boohoo_4:

(Start: 110 @2278 has 194 MA's), (129, 2368),

Gene: Bovely_2 Start: 740, Stop: 1054, Start Num: 109

Candidate Starts for Bovely_2:

(42, 629), (61, 656), (Start: 109 @740 has 117 MA's), (145, 896),

Gene: Bowden_2 Start: 639, Stop: 953, Start Num: 110

Candidate Starts for Bowden_2:

(Start: 110 @639 has 194 MA's), (144, 783),

Gene: Bowtie_4 Start: 2356, Stop: 2652, Start Num: 110

Candidate Starts for Bowtie_4:

(Start: 110 @2356 has 194 MA's), (Start: 117 @2389 has 3 MA's), (129, 2446), (168, 2647),

Gene: Brataylor_2 Start: 590, Stop: 1036, Start Num: 40

Candidate Starts for Brataylor_2:

(37, 581), (Start: 40 @590 has 2 MA's), (Start: 109 @725 has 117 MA's), (125, 797), (132, 827), (141, 854),

Gene: BreSam8_1 Start: 518, Stop: 820, Start Num: 89

Candidate Starts for BreSam8_1:

(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Briton15_2 Start: 748, Stop: 1044, Start Num: 112

Candidate Starts for Briton15_2:

(Start: 112 @748 has 299 MA's), (141, 871), (149, 925), (156, 961), (163, 997),

Gene: BroPlease_1 Start: 591, Stop: 905, Start Num: 110

Candidate Starts for BroPlease_1:

(Start: 110 @591 has 194 MA's), (138, 708), (144, 735), (157, 837), (168, 900),

Gene: Bruns_1 Start: 596, Stop: 892, Start Num: 112

Candidate Starts for Bruns_1:

(Start: 77 @533 has 4 MA's), (Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (149, 773), (156, 809), (163, 845),

Gene: BrutonGaster_7 Start: 1661, Stop: 1969, Start Num: 113

Candidate Starts for BrutonGaster_7:

(63, 1544), (82, 1613), (Start: 113 @1661 has 26 MA's), (146, 1835), (152, 1871), (Start: 161 @1925 has 1 MA's), (167, 1961),

Gene: BryanRecycles_2 Start: 746, Stop: 1060, Start Num: 109

Candidate Starts for BryanRecycles_2:

(69, 668), (Start: 109 @746 has 117 MA's), (145, 902),

Gene: Bud_4 Start: 2362, Stop: 2658, Start Num: 110
Candidate Starts for Bud_4:
(Start: 110 @2362 has 194 MA's), (Start: 117 @2395 has 3 MA's), (129, 2452), (168, 2653),

Gene: Buggy_5 Start: 2549, Stop: 2845, Start Num: 112
Candidate Starts for Buggy_5:
(Start: 112 @2549 has 299 MA's), (141, 2672),

Gene: Burton_2 Start: 750, Stop: 1046, Start Num: 112
Candidate Starts for Burton_2:
(Start: 112 @750 has 299 MA's), (156, 963), (163, 999),

Gene: Buttons_2 Start: 748, Stop: 1044, Start Num: 112
Candidate Starts for Buttons_2:
(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: Bxb1_1 Start: 599, Stop: 895, Start Num: 112
Candidate Starts for Bxb1_1:
(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: Bxz2_1 Start: 537, Stop: 830, Start Num: 97
Candidate Starts for Bxz2_1:
(Start: 89 @528 has 31 MA's), (Start: 97 @537 has 63 MA's), (123, 603),

Gene: C3_04 Start: 2344, Stop: 2640, Start Num: 110
Candidate Starts for C3_04:
(Start: 110 @2344 has 194 MA's),

Gene: CRB1_4 Start: 2473, Stop: 2769, Start Num: 112
Candidate Starts for CRB1_4:
(Start: 112 @2473 has 299 MA's), (141, 2596),

Gene: CactusRose_1 Start: 598, Stop: 894, Start Num: 112
Candidate Starts for CactusRose_1:
(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Caelum_3 Start: 669, Stop: 983, Start Num: 110
Candidate Starts for Caelum_3:
(Start: 96 @651 has 3 MA's), (Start: 103 @660 has 2 MA's), (Start: 110 @669 has 194 MA's), (144, 813), (146, 846),

Gene: Caliburn_2 Start: 739, Stop: 1053, Start Num: 109
Candidate Starts for Caliburn_2:
(Start: 109 @739 has 117 MA's), (145, 895),

Gene: Caprice_85 Start: 48629, Stop: 48955, Start Num: 98
Candidate Starts for Caprice_85:
(84, 48602), (Start: 98 @48629 has 14 MA's), (Start: 115 @48671 has 4 MA's), (124, 48716), (140, 48776), (148, 48836), (158, 48896),

Gene: Cardigan_14 Start: 3818, Stop: 4126, Start Num: 113

Candidate Starts for Cardigan_14:

(Start: 113 @3818 has 26 MA's), (146, 3992), (150, 4010), (153, 4031),

Gene: Carlyle_2 Start: 778, Stop: 1074, Start Num: 112

Candidate Starts for Carlyle_2:

(102, 763), (Start: 112 @778 has 299 MA's), (141, 901), (149, 955), (156, 991), (163, 1027),

Gene: Caron_82 Start: 47300, Stop: 47599, Start Num: 109

Candidate Starts for Caron_82:

(5, 46730), (7, 46799), (8, 46829), (12, 46961), (14, 46979), (31, 47102), (88, 47273), (Start: 109 @47300 has 117 MA's), (135, 47408), (139, 47417),

Gene: Cassia_68 Start: 43117, Stop: 43419, Start Num: 109

Candidate Starts for Cassia_68:

(Start: 109 @43117 has 117 MA's), (123, 43183), (150, 43309), (167, 43408),

Gene: Catalina_4 Start: 2335, Stop: 2628, Start Num: 110

Candidate Starts for Catalina_4:

(Start: 86 @2308 has 3 MA's), (Start: 110 @2335 has 194 MA's), (137, 2437), (141, 2455),

Gene: Caviar_1 Start: 445, Stop: 741, Start Num: 112

Candidate Starts for Caviar_1:

(Start: 112 @445 has 299 MA's), (144, 580),

Gene: Celery_4 Start: 962, Stop: 1276, Start Num: 110

Candidate Starts for Celery_4:

(38, 803), (41, 812), (59, 854), (63, 860), (104, 956), (Start: 110 @962 has 194 MA's), (123, 1031), (144, 1106), (146, 1139),

Gene: Celeste_2 Start: 725, Stop: 1036, Start Num: 109

Candidate Starts for Celeste_2:

(37, 581), (Start: 40 @590 has 2 MA's), (Start: 109 @725 has 117 MA's), (125, 797), (132, 827), (141, 854),

Gene: Celia_2 Start: 744, Stop: 1058, Start Num: 110

Candidate Starts for Celia_2:

(Start: 110 @744 has 194 MA's), (144, 888),

Gene: Centaur_5 Start: 2621, Stop: 2917, Start Num: 112

Candidate Starts for Centaur_5:

(35, 2420), (Start: 112 @2621 has 299 MA's),

Gene: Cerulean_1 Start: 461, Stop: 763, Start Num: 108

Candidate Starts for Cerulean_1:

(Start: 108 @461 has 2 MA's), (123, 536), (163, 722),

Gene: Chadwick_1 Start: 501, Stop: 800, Start Num: 94

Candidate Starts for Chadwick_1:

(Start: 94 @501 has 25 MA's), (Start: 114 @516 has 1 MA's), (137, 609), (159, 750), (168, 795),

Gene: ChampagnePapi_1 Start: 355, Stop: 762, Start Num: 65

Candidate Starts for ChampagnePapi_1:

(Start: 65 @355 has 2 MA's), (Start: 108 @460 has 2 MA's), (123, 535), (163, 721),

Gene: Chanagan_2 Start: 749, Stop: 1045, Start Num: 112
Candidate Starts for Chanagan_2:
(Start: 112 @749 has 299 MA's), (141, 872), (156, 962), (163, 998),

Gene: Changeling_4 Start: 2293, Stop: 2589, Start Num: 112
Candidate Starts for Changeling_4:
(Start: 112 @2293 has 299 MA's),

Gene: Chargerpower_5 Start: 2445, Stop: 2744, Start Num: 112
Candidate Starts for Chargerpower_5:
(Start: 112 @2445 has 299 MA's),

Gene: Charm_4 Start: 2108, Stop: 2401, Start Num: 110
Candidate Starts for Charm_4:
(Start: 110 @2108 has 194 MA's), (129, 2195), (137, 2210), (141, 2228),

Gene: Che12_4 Start: 2115, Stop: 2411, Start Num: 110
Candidate Starts for Che12_4:
(Start: 110 @2115 has 194 MA's),

Gene: ChipMunk_5 Start: 2559, Stop: 2855, Start Num: 112
Candidate Starts for ChipMunk_5:
(Start: 112 @2559 has 299 MA's), (141, 2682),

Gene: Chucky_2 Start: 730, Stop: 1041, Start Num: 109
Candidate Starts for Chucky_2:
(Start: 40 @589 has 2 MA's), (52, 628), (Start: 109 @730 has 117 MA's), (125, 802), (145, 883),

Gene: Chupacabra_1 Start: 460, Stop: 756, Start Num: 97
Candidate Starts for Chupacabra_1:
(Start: 97 @460 has 63 MA's),

Gene: Ciao_1 Start: 598, Stop: 906, Start Num: 112
Candidate Starts for Ciao_1:
(78, 535), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's),
(141, 721), (156, 811), (163, 847),

Gene: Cindaradix_1 Start: 358, Stop: 765, Start Num: 66
Candidate Starts for Cindaradix_1:
(Start: 66 @358 has 1 MA's), (123, 538), (163, 724),

Gene: Clarkson_93 Start: 48873, Stop: 49199, Start Num: 98
Candidate Starts for Clarkson_93:
(Start: 91 @48867 has 3 MA's), (Start: 98 @48873 has 14 MA's), (Start: 115 @48915 has 4 MA's),
(124, 48960), (140, 49020), (148, 49080), (158, 49140),

Gene: CloudWang3_4 Start: 2143, Stop: 2439, Start Num: 110
Candidate Starts for CloudWang3_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: ClubL_14 Start: 3280, Stop: 3588, Start Num: 113
Candidate Starts for ClubL_14:

(95, 3250), (Start: 113 @3280 has 26 MA's), (Start: 161 @3544 has 1 MA's),

Gene: Colbster_1 Start: 517, Stop: 819, Start Num: 89

Candidate Starts for Colbster_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Colin_5 Start: 2440, Stop: 2736, Start Num: 112

Candidate Starts for Colin_5:

(Start: 112 @2440 has 299 MA's), (141, 2563),

Gene: Community_70 Start: 43720, Stop: 44022, Start Num: 109

Candidate Starts for Community_70:

(Start: 109 @43720 has 117 MA's), (123, 43786), (139, 43837), (150, 43912), (167, 44011),

Gene: Conan_4 Start: 975, Stop: 1289, Start Num: 110

Candidate Starts for Conan_4:

(37, 822), (51, 855), (56, 861), (59, 867), (104, 969), (Start: 110 @975 has 194 MA's), (123, 1044), (144, 1119), (146, 1152),

Gene: ConceptII_2 Start: 835, Stop: 1131, Start Num: 112

Candidate Starts for ConceptII_2:

(Start: 83 @787 has 1 MA's), (Start: 112 @835 has 299 MA's), (141, 958), (156, 1048), (163, 1084),

Gene: Conquerage_4 Start: 2332, Stop: 2625, Start Num: 110

Candidate Starts for Conquerage_4:

(Start: 86 @2305 has 3 MA's), (Start: 110 @2332 has 194 MA's), (137, 2434), (141, 2452),

Gene: Conspiracy_1 Start: 535, Stop: 834, Start Num: 94

Candidate Starts for Conspiracy_1:

(Start: 94 @535 has 25 MA's), (137, 643), (147, 715), (159, 784), (168, 829),

Gene: Coog_1 Start: 503, Stop: 802, Start Num: 94

Candidate Starts for Coog_1:

(30, 368), (Start: 94 @503 has 25 MA's), (137, 611), (147, 683), (159, 752), (168, 797),

Gene: Cookiedough_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Cookiedough_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Corazon_87 Start: 49067, Stop: 49393, Start Num: 98

Candidate Starts for Corazon_87:

(Start: 91 @49061 has 3 MA's), (Start: 98 @49067 has 14 MA's), (Start: 115 @49109 has 4 MA's), (124, 49154), (140, 49214), (148, 49274), (158, 49334),

Gene: Corvo_2 Start: 751, Stop: 1047, Start Num: 112

Candidate Starts for Corvo_2:

(Start: 112 @751 has 299 MA's), (141, 874), (156, 964), (163, 1000),

Gene: Crewmate_74 Start: 43978, Stop: 44280, Start Num: 109

Candidate Starts for Crewmate_74:

(Start: 109 @43978 has 117 MA's), (150, 44170), (167, 44269),

Gene: Crispicous1_1 Start: 599, Stop: 895, Start Num: 112

Candidate Starts for Crispicous1_1:

(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: Crucio_5 Start: 2567, Stop: 2863, Start Num: 112

Candidate Starts for Crucio_5:

(Start: 112 @2567 has 299 MA's), (141, 2690),

Gene: Cuco_1 Start: 533, Stop: 832, Start Num: 94

Candidate Starts for Cuco_1:

(32, 371), (Start: 94 @533 has 25 MA's), (137, 641), (147, 713), (159, 782), (168, 827),

Gene: Cucurbita_13 Start: 3280, Stop: 3588, Start Num: 113

Candidate Starts for Cucurbita_13:

(95, 3250), (Start: 113 @3280 has 26 MA's), (Start: 161 @3544 has 1 MA's),

Gene: Cueylyss_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for Cueylyss_1:

(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Cullens_1 Start: 517, Stop: 819, Start Num: 89

Candidate Starts for Cullens_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Culver_13 Start: 3104, Stop: 3412, Start Num: 113

Candidate Starts for Culver_13:

(95, 3074), (Start: 113 @3104 has 26 MA's), (Start: 161 @3368 has 1 MA's),

Gene: Cyan_70 Start: 43301, Stop: 43603, Start Num: 109

Candidate Starts for Cyan_70:

(Start: 109 @43301 has 117 MA's), (120, 43352), (123, 43367), (139, 43418), (150, 43493), (167, 43592),

Gene: D29_4 Start: 2345, Stop: 2641, Start Num: 110

Candidate Starts for D29_4:

(Start: 110 @2345 has 194 MA's),

Gene: D32_4 Start: 2345, Stop: 2641, Start Num: 110

Candidate Starts for D32_4:

(Start: 110 @2345 has 194 MA's),

Gene: DBQu4n_4 Start: 2345, Stop: 2641, Start Num: 110

Candidate Starts for DBQu4n_4:

(Start: 110 @2345 has 194 MA's),

Gene: DD5_2 Start: 739, Stop: 1035, Start Num: 112

Candidate Starts for DD5_2:

(Start: 112 @739 has 299 MA's), (141, 862), (149, 916), (156, 952), (163, 988),

Gene: DaHudson_1 Start: 526, Stop: 819, Start Num: 97

Candidate Starts for DaHudson_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: DaVinci_4 Start: 2144, Stop: 2440, Start Num: 110

Candidate Starts for DaVinci_4:

(Start: 110 @2144 has 194 MA's), (144, 2279),

Gene: Daishi_1 Start: 518, Stop: 820, Start Num: 89

Candidate Starts for Daishi_1:

(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Dalmatian_5 Start: 2671, Stop: 2967, Start Num: 112

Candidate Starts for Dalmatian_5:

(Start: 112 @2671 has 299 MA's), (141, 2794),

Gene: Danzina_2 Start: 679, Stop: 1011, Start Num: 87

Candidate Starts for Danzina_2:

(1, 34), (3, 43), (4, 70), (6, 142), (15, 406), (19, 466), (23, 490), (26, 499), (76, 649), (Start: 87 @679 has 1 MA's), (Start: 109 @700 has 117 MA's), (130, 796), (132, 802), (141, 829), (150, 892),

Gene: Daredevil_10 Start: 3047, Stop: 3349, Start Num: 113

Candidate Starts for Daredevil_10:

(Start: 113 @3047 has 26 MA's), (122, 3104), (123, 3107), (146, 3215),

Gene: Darrell_4 Start: 2217, Stop: 2510, Start Num: 110

Candidate Starts for Darrell_4:

(Start: 110 @2217 has 194 MA's), (137, 2319), (141, 2337),

Gene: DarthPhader_4 Start: 2246, Stop: 2542, Start Num: 111

Candidate Starts for DarthPhader_4:

(Start: 111 @2246 has 4 MA's),

Gene: DatBoi_9 Start: 5103, Stop: 5411, Start Num: 113

Candidate Starts for DatBoi_9:

(57, 4968), (70, 5004), (Start: 113 @5103 has 26 MA's), (127, 5175), (167, 5400),

Gene: Dattran_2 Start: 723, Stop: 1034, Start Num: 109

Candidate Starts for Dattran_2:

(Start: 40 @588 has 2 MA's), (Start: 109 @723 has 117 MA's), (125, 795), (132, 825), (141, 852), (150, 915),

Gene: Daudau_2 Start: 579, Stop: 968, Start Num: 71

Candidate Starts for Daudau_2:

(Start: 71 @579 has 1 MA's), (Start: 103 @645 has 2 MA's), (Start: 110 @654 has 194 MA's), (144, 798),

Gene: DekHockey33_4 Start: 2425, Stop: 2721, Start Num: 110

Candidate Starts for DekHockey33_4:

(Start: 110 @2425 has 194 MA's), (129, 2515),

Gene: Deloris_4 Start: 2325, Stop: 2621, Start Num: 112

Candidate Starts for Deloris_4:

(Start: 112 @2325 has 299 MA's), (141, 2448),

Gene: Dexes_2 Start: 782, Stop: 1078, Start Num: 112

Candidate Starts for Dexes_2:

(Start: 112 @782 has 299 MA's), (141, 905), (156, 995), (163, 1031),

Gene: Diane_2 Start: 652, Stop: 966, Start Num: 110

Candidate Starts for Diane_2:

(Start: 103 @643 has 2 MA's), (Start: 110 @652 has 194 MA's), (144, 796), (146, 829),

Gene: Dieselweasel_1 Start: 517, Stop: 819, Start Num: 89

Candidate Starts for Dieselweasel_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Dignity_5 Start: 2547, Stop: 2843, Start Num: 112

Candidate Starts for Dignity_5:

(Start: 112 @2547 has 299 MA's), (141, 2670),

Gene: Discoknowium_1 Start: 534, Stop: 833, Start Num: 94

Candidate Starts for Discoknowium_1:

(32, 372), (Start: 94 @534 has 25 MA's), (137, 642), (147, 714), (159, 783), (168, 828),

Gene: Dixon_1 Start: 505, Stop: 798, Start Num: 112

Candidate Starts for Dixon_1:

(Start: 112 @505 has 299 MA's), (129, 592), (147, 679), (163, 757), (168, 793),

Gene: Doom_1 Start: 596, Stop: 892, Start Num: 112

Candidate Starts for Doom_1:

(Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (156, 809), (163, 845),

Gene: Dorothea_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Dorothea_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: DrFeelGood_1 Start: 596, Stop: 892, Start Num: 112

Candidate Starts for DrFeelGood_1:

(Start: 77 @533 has 4 MA's), (Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (156, 809), (163, 845),

Gene: DrManhattan_72 Start: 42208, Stop: 42510, Start Num: 109

Candidate Starts for DrManhattan_72:

(Start: 109 @42208 has 117 MA's), (139, 42325), (150, 42400), (167, 42499),

Gene: DrSierra_66 Start: 42253, Stop: 42555, Start Num: 109

Candidate Starts for DrSierra_66:

(Start: 109 @42253 has 117 MA's), (123, 42319), (139, 42370), (150, 42445), (167, 42544),

Gene: Drake55_5 Start: 2627, Stop: 2923, Start Num: 112

Candidate Starts for Drake55_5:

(35, 2426), (Start: 112 @2627 has 299 MA's),

Gene: Drake94_1 Start: 472, Stop: 768, Start Num: 97

Candidate Starts for Drake94_1:

(20, 247), (Start: 97 @472 has 63 MA's), (144, 607),

Gene: DreamCatcher_2 Start: 1332, Stop: 1622, Start Num: 115
Candidate Starts for DreamCatcher_2:
(9, 897), (17, 1014), (54, 1170), (56, 1179), (58, 1182), (Start: 115 @1332 has 4 MA's), (118, 1359),
(156, 1539), (163, 1575),

Gene: DreamTeam1_4 Start: 2108, Stop: 2401, Start Num: 110
Candidate Starts for DreamTeam1_4:
(Start: 110 @2108 has 194 MA's), (129, 2195), (137, 2210), (141, 2228),

Gene: Dreamboat_2 Start: 863, Stop: 1171, Start Num: 112
Candidate Starts for Dreamboat_2:
(Start: 83 @815 has 1 MA's), (Start: 112 @863 has 299 MA's), (141, 986), (156, 1076), (163, 1112),

Gene: DroogsArmy_1 Start: 408, Stop: 704, Start Num: 112
Candidate Starts for DroogsArmy_1:
(62, 297), (Start: 112 @408 has 299 MA's), (159, 654), (165, 672),

Gene: DudeLittle_5 Start: 2671, Stop: 2967, Start Num: 112
Candidate Starts for DudeLittle_5:
(Start: 112 @2671 has 299 MA's), (141, 2794),

Gene: Dulcie_1 Start: 596, Stop: 892, Start Num: 112
Candidate Starts for Dulcie_1:
(Start: 77 @533 has 4 MA's), (Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (163, 845),

Gene: Duplo_4 Start: 2345, Stop: 2641, Start Num: 110
Candidate Starts for Duplo_4:
(Start: 110 @2345 has 194 MA's),

Gene: Dussy_2 Start: 758, Stop: 1054, Start Num: 112
Candidate Starts for Dussy_2:
(Start: 112 @758 has 299 MA's), (141, 881), (149, 935), (156, 971), (163, 1007),

Gene: Dusty_13 Start: 3104, Stop: 3412, Start Num: 113
Candidate Starts for Dusty_13:
(95, 3074), (Start: 113 @3104 has 26 MA's), (Start: 161 @3368 has 1 MA's),

Gene: Dwayne_2 Start: 730, Stop: 1041, Start Num: 109
Candidate Starts for Dwayne_2:
(Start: 40 @589 has 2 MA's), (52, 628), (Start: 109 @730 has 117 MA's), (125, 802), (145, 883),

Gene: Dynamix_2 Start: 747, Stop: 1043, Start Num: 112
Candidate Starts for Dynamix_2:
(Start: 112 @747 has 299 MA's), (141, 870), (156, 960), (163, 996),

Gene: EZMoney23_4 Start: 2295, Stop: 2591, Start Num: 112
Candidate Starts for EZMoney23_4:
(Start: 112 @2295 has 299 MA's),

Gene: EagleEye_4 Start: 2125, Stop: 2418, Start Num: 110
Candidate Starts for EagleEye_4:
(Start: 110 @2125 has 194 MA's), (123, 2191), (137, 2227), (141, 2245), (144, 2257),

Gene: Eaglepride_1 Start: 473, Stop: 769, Start Num: 97

Candidate Starts for Eaglepride_1:

(63, 386), (Start: 97 @473 has 63 MA's),

Gene: Ebony_4 Start: 2395, Stop: 2658, Start Num: 117

Candidate Starts for Ebony_4:

(Start: 110 @2362 has 194 MA's), (Start: 117 @2395 has 3 MA's), (129, 2452), (168, 2653),

Gene: Echild_5 Start: 2672, Stop: 2968, Start Num: 112

Candidate Starts for Echild_5:

(Start: 112 @2672 has 299 MA's), (141, 2795),

Gene: Eddasa_2 Start: 746, Stop: 1060, Start Num: 109

Candidate Starts for Eddasa_2:

(69, 668), (Start: 109 @746 has 117 MA's), (145, 902),

Gene: Edison31_1 Start: 464, Stop: 760, Start Num: 97

Candidate Starts for Edison31_1:

(Start: 97 @464 has 63 MA's),

Gene: Edtherson_2 Start: 749, Stop: 1045, Start Num: 112

Candidate Starts for Edtherson_2:

(Start: 112 @749 has 299 MA's), (141, 872), (156, 962), (163, 998),

Gene: Eidsmoe_4 Start: 2332, Stop: 2625, Start Num: 110

Candidate Starts for Eidsmoe_4:

(Start: 86 @2305 has 3 MA's), (Start: 110 @2332 has 194 MA's), (137, 2434), (141, 2452),

Gene: Ejemplo_2 Start: 730, Stop: 1041, Start Num: 109

Candidate Starts for Ejemplo_2:

(Start: 40 @589 has 2 MA's), (52, 628), (Start: 109 @730 has 117 MA's), (125, 802), (132, 832), (141, 859), (150, 922),

Gene: ElGato_4 Start: 978, Stop: 1292, Start Num: 110

Candidate Starts for ElGato_4:

(37, 825), (51, 858), (56, 864), (59, 870), (104, 972), (Start: 110 @978 has 194 MA's), (123, 1047), (144, 1122), (146, 1155),

Gene: ElTiger69_1 Start: 502, Stop: 801, Start Num: 94

Candidate Starts for ElTiger69_1:

(Start: 94 @502 has 25 MA's), (Start: 114 @517 has 1 MA's), (137, 610), (159, 751), (168, 796),

Gene: Elener_66 Start: 39019, Stop: 39270, Start Num: 161

Candidate Starts for Elener_66:

(Start: 112 @38734 has 299 MA's), (137, 38851), (143, 38878), (146, 38926), (155, 38974), (Start: 161 @39019 has 1 MA's), (166, 39043), (171, 39073), (172, 39112), (173, 39118), (174, 39241),

Gene: Elephantoon_4 Start: 2095, Stop: 2388, Start Num: 110

Candidate Starts for Elephantoon_4:

(Start: 110 @2095 has 194 MA's), (137, 2197), (141, 2215),

Gene: Elezi_68 Start: 43103, Stop: 43405, Start Num: 109

Candidate Starts for Elezi_68:

(Start: 109 @43103 has 117 MA's), (120, 43154), (123, 43169), (139, 43220), (150, 43295), (167, 43394),

Gene: Emaanora_3 Start: 729, Stop: 1040, Start Num: 109

Candidate Starts for Emaanora_3:

(Start: 40 @588 has 2 MA's), (52, 627), (Start: 109 @729 has 117 MA's), (125, 801), (145, 882),

Gene: Emotion_74 Start: 44679, Stop: 45029, Start Num: 109

Candidate Starts for Emotion_74:

(Start: 109 @44679 has 117 MA's), (167, 44970),

Gene: EmyBug_4 Start: 2332, Stop: 2625, Start Num: 110

Candidate Starts for EmyBug_4:

(Start: 86 @2305 has 3 MA's), (Start: 110 @2332 has 194 MA's), (137, 2434), (141, 2452),

Gene: Engineer_14 Start: 3268, Stop: 3576, Start Num: 113

Candidate Starts for Engineer_14:

(95, 3238), (Start: 113 @3268 has 26 MA's), (150, 3460), (Start: 161 @3532 has 1 MA's),

Gene: EnochSoames_2 Start: 742, Stop: 1056, Start Num: 110

Candidate Starts for EnochSoames_2:

(Start: 40 @613 has 2 MA's), (Start: 103 @733 has 2 MA's), (Start: 110 @742 has 194 MA's), (145, 898),

Gene: EnzoK_1 Start: 607, Stop: 903, Start Num: 112

Candidate Starts for EnzoK_1:

(Start: 112 @607 has 299 MA's), (141, 730), (163, 856),

Gene: EpicPhail_1 Start: 526, Stop: 819, Start Num: 97

Candidate Starts for EpicPhail_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Epsocamisio_4 Start: 2278, Stop: 2574, Start Num: 110

Candidate Starts for Epsocamisio_4:

(Start: 110 @2278 has 194 MA's), (129, 2368),

Gene: Equemioh13_5 Start: 2624, Stop: 2920, Start Num: 112

Candidate Starts for Equemioh13_5:

(35, 2423), (Start: 112 @2624 has 299 MA's),

Gene: Eraser_69 Start: 43240, Stop: 43542, Start Num: 109

Candidate Starts for Eraser_69:

(Start: 109 @43240 has 117 MA's), (120, 43291), (123, 43306), (139, 43357), (150, 43432), (167, 43531),

Gene: EricB_4 Start: 2144, Stop: 2440, Start Num: 110

Candidate Starts for EricB_4:

(Start: 110 @2144 has 194 MA's), (144, 2279),

Gene: Esperer_2 Start: 740, Stop: 1054, Start Num: 109

Candidate Starts for Esperer_2:

(42, 629), (61, 656), (Start: 109 @740 has 117 MA's), (145, 896),

Gene: Espresso_2 Start: 832, Stop: 1128, Start Num: 112
Candidate Starts for Espresso_2:
(Start: 83 @784 has 1 MA's), (Start: 112 @832 has 299 MA's), (141, 955), (149, 1009), (156, 1045),
(163, 1081),

Gene: Euphoria_2 Start: 736, Stop: 1032, Start Num: 112
Candidate Starts for Euphoria_2:
(Start: 112 @736 has 299 MA's), (141, 859), (149, 913), (156, 949), (163, 985),

Gene: EvilGenius_5 Start: 2559, Stop: 2855, Start Num: 112
Candidate Starts for EvilGenius_5:
(Start: 112 @2559 has 299 MA's), (141, 2682),

Gene: Exile_60 Start: 43770, Stop: 44069, Start Num: 109
Candidate Starts for Exile_60:
(50, 43632), (Start: 109 @43770 has 117 MA's), (123, 43836), (139, 43887), (167, 44061),

Gene: ExplosioNervosa_4 Start: 2308, Stop: 2628, Start Num: 86
Candidate Starts for ExplosioNervosa_4:
(Start: 86 @2308 has 3 MA's), (Start: 110 @2335 has 194 MA's), (137, 2437), (141, 2455),

Gene: Eyeball_1 Start: 599, Stop: 895, Start Num: 112
Candidate Starts for Eyeball_1:
(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: Fajezeel_2 Start: 749, Stop: 1057, Start Num: 112
Candidate Starts for Fajezeel_2:
(Start: 112 @749 has 299 MA's), (141, 872), (156, 962), (163, 998),

Gene: Fameo_5 Start: 2671, Stop: 2967, Start Num: 112
Candidate Starts for Fameo_5:
(Start: 112 @2671 has 299 MA's), (141, 2794),

Gene: Farber_1 Start: 527, Stop: 820, Start Num: 97
Candidate Starts for Farber_1:
(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Fascinus_1 Start: 599, Stop: 895, Start Num: 112
Candidate Starts for Fascinus_1:
(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: Fayely_4 Start: 2335, Stop: 2628, Start Num: 110
Candidate Starts for Fayely_4:
(Start: 86 @2308 has 3 MA's), (Start: 110 @2335 has 194 MA's), (137, 2437), (141, 2455),

Gene: FeliMaine_92 Start: 49115, Stop: 49441, Start Num: 98
Candidate Starts for FeliMaine_92:
(Start: 91 @49109 has 3 MA's), (Start: 98 @49115 has 14 MA's), (Start: 115 @49157 has 4 MA's),
(124, 49202), (140, 49262), (148, 49322), (158, 49382),

Gene: Fenn_1 Start: 606, Stop: 902, Start Num: 112

Candidate Starts for Fenn_1:

(Start: 77 @543 has 4 MA's), (Start: 91 @579 has 3 MA's), (Start: 99 @588 has 1 MA's), (Start: 112 @606 has 299 MA's), (141, 729), (149, 783), (156, 819), (163, 855),

Gene: Fernando_1 Start: 526, Stop: 819, Start Num: 97

Candidate Starts for Fernando_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Fibonacci_4 Start: 2359, Stop: 2655, Start Num: 110

Candidate Starts for Fibonacci_4:

(Start: 110 @2359 has 194 MA's), (Start: 117 @2392 has 3 MA's), (129, 2449), (168, 2650),

Gene: FiringLine_5 Start: 2568, Stop: 2864, Start Num: 112

Candidate Starts for FiringLine_5:

(Start: 112 @2568 has 299 MA's), (141, 2691),

Gene: First_004 Start: 2483, Stop: 2779, Start Num: 112

Candidate Starts for First_004:

(Start: 112 @2483 has 299 MA's),

Gene: Flare16_5 Start: 2624, Stop: 2920, Start Num: 112

Candidate Starts for Flare16_5:

(35, 2423), (Start: 112 @2624 has 299 MA's),

Gene: Flaverint_4 Start: 2356, Stop: 2652, Start Num: 110

Candidate Starts for Flaverint_4:

(Start: 110 @2356 has 194 MA's), (Start: 117 @2389 has 3 MA's), (129, 2446), (168, 2647),

Gene: Floof_81 Start: 48040, Stop: 48342, Start Num: 109

Candidate Starts for Floof_81:

(26, 47851), (61, 47941), (79, 47998), (Start: 109 @48040 has 117 MA's), (123, 48106), (144, 48181), (145, 48193),

Gene: FlyCatcher_1 Start: 396, Stop: 692, Start Num: 103

Candidate Starts for FlyCatcher_1:

(63, 300), (Start: 103 @396 has 2 MA's), (159, 642),

Gene: Footloose_71 Start: 39222, Stop: 39524, Start Num: 109

Candidate Starts for Footloose_71:

(Start: 109 @39222 has 117 MA's), (123, 39288), (146, 39393), (152, 39429),

Gene: ForGetIt_1 Start: 561, Stop: 860, Start Num: 94

Candidate Starts for ForGetIt_1:

(32, 372), (Start: 94 @561 has 25 MA's), (137, 669), (147, 741), (159, 810), (168, 855),

Gene: Forsytheast_1 Start: 596, Stop: 892, Start Num: 112

Candidate Starts for Forsytheast_1:

(Start: 77 @533 has 4 MA's), (Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (149, 773), (156, 809), (163, 845),

Gene: Francis47_2 Start: 835, Stop: 1131, Start Num: 112

Candidate Starts for Francis47_2:

(Start: 83 @787 has 1 MA's), (Start: 112 @835 has 299 MA's), (141, 958), (156, 1048), (163, 1084),

Gene: Fred313_1 Start: 416, Stop: 712, Start Num: 96

Candidate Starts for Fred313_1:

(47, 293), (90, 410), (Start: 96 @416 has 3 MA's), (144, 551),

Gene: Froghopper_2 Start: 749, Stop: 1045, Start Num: 112

Candidate Starts for Froghopper_2:

(Start: 112 @749 has 299 MA's), (141, 872), (156, 962), (163, 998),

Gene: Fushigi_2 Start: 748, Stop: 1044, Start Num: 112

Candidate Starts for Fushigi_2:

(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: GageAP_2 Start: 986, Stop: 1282, Start Num: 112

Candidate Starts for GageAP_2:

(Start: 112 @986 has 299 MA's), (141, 1109), (156, 1199), (163, 1235),

Gene: Gail_4 Start: 2396, Stop: 2692, Start Num: 112

Candidate Starts for Gail_4:

(Start: 112 @2396 has 299 MA's), (136, 2498), (139, 2507), (140, 2513),

Gene: Gandalf20_2 Start: 843, Stop: 1139, Start Num: 112

Candidate Starts for Gandalf20_2:

(Start: 83 @795 has 1 MA's), (Start: 112 @843 has 299 MA's), (141, 966), (149, 1020), (156, 1056), (163, 1092),

Gene: GardenState_76 Start: 44995, Stop: 45294, Start Num: 109

Candidate Starts for GardenState_76:

(92, 44971), (Start: 109 @44995 has 117 MA's),

Gene: Gattaca_91 Start: 49103, Stop: 49429, Start Num: 97

Candidate Starts for Gattaca_91:

(Start: 97 @49103 has 63 MA's), (Start: 115 @49145 has 4 MA's), (124, 49190), (140, 49250), (148, 49310), (158, 49370),

Gene: GaugeLDP_4 Start: 2092, Stop: 2388, Start Num: 110

Candidate Starts for GaugeLDP_4:

(Start: 110 @2092 has 194 MA's),

Gene: Geeche_13 Start: 3085, Stop: 3393, Start Num: 113

Candidate Starts for Geeche_13:

(95, 3055), (Start: 113 @3085 has 26 MA's), (Start: 161 @3349 has 1 MA's),

Gene: Gemma_1 Start: 522, Stop: 824, Start Num: 89

Candidate Starts for Gemma_1:

(Start: 89 @522 has 31 MA's), (Start: 97 @531 has 63 MA's), (123, 597),

Gene: Georgie2_5 Start: 2570, Stop: 2866, Start Num: 112

Candidate Starts for Georgie2_5:

(Start: 112 @2570 has 299 MA's), (141, 2693),

Gene: Gilberta_4 Start: 2353, Stop: 2649, Start Num: 110

Candidate Starts for Gilberta_4:

(Start: 110 @2353 has 194 MA's), (Start: 117 @2386 has 3 MA's), (129, 2443), (168, 2644),

Gene: GingkoMaracino_1 Start: 517, Stop: 819, Start Num: 89

Candidate Starts for GingkoMaracino_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: GirlDinner_2 Start: 690, Stop: 1004, Start Num: 110

Candidate Starts for GirlDinner_2:

(Start: 110 @690 has 194 MA's), (123, 759), (144, 834),

Gene: Gladiator_4 Start: 2133, Stop: 2429, Start Num: 110

Candidate Starts for Gladiator_4:

(Start: 110 @2133 has 194 MA's), (144, 2268),

Gene: Goby_2 Start: 723, Stop: 1034, Start Num: 109

Candidate Starts for Goby_2:

(Start: 40 @588 has 2 MA's), (Start: 109 @723 has 117 MA's), (125, 795), (132, 825), (141, 852), (150, 915),

Gene: Godpower_2 Start: 615, Stop: 1037, Start Num: 46

Candidate Starts for Godpower_2:

(Start: 46 @615 has 1 MA's), (Start: 109 @726 has 117 MA's), (125, 798), (132, 828), (141, 855),

Gene: Gompeii16_2 Start: 835, Stop: 1131, Start Num: 112

Candidate Starts for Gompeii16_2:

(Start: 83 @787 has 1 MA's), (Start: 112 @835 has 299 MA's), (141, 958), (156, 1048), (163, 1084),

Gene: GoongGoong_90 Start: 48909, Stop: 49235, Start Num: 97

Candidate Starts for GoongGoong_90:

(Start: 97 @48909 has 63 MA's), (Start: 115 @48951 has 4 MA's), (124, 48996), (140, 49056), (148, 49116), (158, 49176),

Gene: Goose_1 Start: 462, Stop: 758, Start Num: 97

Candidate Starts for Goose_1:

(Start: 97 @462 has 63 MA's),

Gene: Graduation_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for Graduation_1:

(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 108 @595 has 2 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: GrecoEtereo_2 Start: 749, Stop: 1057, Start Num: 112

Candidate Starts for GrecoEtereo_2:

(Start: 112 @749 has 299 MA's), (141, 872), (156, 962), (163, 998),

Gene: GreedyLawyer_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for GreedyLawyer_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: GreenWeasel_1 Start: 591, Stop: 905, Start Num: 110

Candidate Starts for GreenWeasel_1:

(Start: 110 @591 has 194 MA's), (138, 708), (144, 735), (157, 837), (168, 900),

Gene: Greg_2 Start: 749, Stop: 1057, Start Num: 112
Candidate Starts for Greg_2:
(Start: 112 @749 has 299 MA's), (141, 872), (156, 962), (163, 998),

Gene: Gretchen_74 Start: 47033, Stop: 47335, Start Num: 109
Candidate Starts for Gretchen_74:
(Start: 109 @47033 has 117 MA's), (123, 47099), (139, 47150), (144, 47174),

Gene: Grif_1 Start: 526, Stop: 819, Start Num: 97
Candidate Starts for Grif_1:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Groupthink_2 Start: 531, Stop: 824, Start Num: 97
Candidate Starts for Groupthink_2:
(Start: 89 @522 has 31 MA's), (Start: 97 @531 has 63 MA's), (123, 597),

Gene: Grub_1 Start: 526, Stop: 819, Start Num: 97
Candidate Starts for Grub_1:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Grum1_1 Start: 526, Stop: 819, Start Num: 97
Candidate Starts for Grum1_1:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Gruunaga_4 Start: 2133, Stop: 2429, Start Num: 110
Candidate Starts for Gruunaga_4:
(Start: 110 @2133 has 194 MA's), (144, 2268),

Gene: GtownJaz_1 Start: 526, Stop: 819, Start Num: 97
Candidate Starts for GtownJaz_1:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Gwendoluna_1 Start: 600, Stop: 896, Start Num: 112
Candidate Starts for Gwendoluna_1:
(Start: 112 @600 has 299 MA's), (141, 723), (156, 813), (163, 849),

Gene: Gyzlar_2 Start: 742, Stop: 1038, Start Num: 112
Candidate Starts for Gyzlar_2:
(Start: 112 @742 has 299 MA's), (141, 865), (156, 955), (163, 991),

Gene: HINdeR_1 Start: 411, Stop: 704, Start Num: 112
Candidate Starts for HINdeR_1:
(Start: 112 @411 has 299 MA's), (122, 477), (159, 654), (165, 672),

Gene: Haizum_2 Start: 652, Stop: 966, Start Num: 110
Candidate Starts for Haizum_2:
(Start: 103 @643 has 2 MA's), (Start: 110 @652 has 194 MA's), (144, 796), (146, 829),

Gene: Hami1_1 Start: 598, Stop: 894, Start Num: 112
Candidate Starts for Hami1_1:
(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Hammer_4 Start: 2132, Stop: 2428, Start Num: 110

Candidate Starts for Hammer_4:

(Start: 110 @2132 has 194 MA's), (144, 2267),

Gene: Hank144_2 Start: 693, Stop: 1007, Start Num: 110

Candidate Starts for Hank144_2:

(Start: 71 @618 has 1 MA's), (74, 624), (Start: 110 @693 has 194 MA's), (123, 762), (144, 837), (145, 849),

Gene: HarryHoudini_5 Start: 2627, Stop: 2923, Start Num: 112

Candidate Starts for HarryHoudini_5:

(35, 2426), (Start: 112 @2627 has 299 MA's),

Gene: HarryOW_2 Start: 749, Stop: 1057, Start Num: 112

Candidate Starts for HarryOW_2:

(Start: 112 @749 has 299 MA's), (141, 872), (156, 962), (163, 998),

Gene: HashRod_2 Start: 518, Stop: 820, Start Num: 89

Candidate Starts for HashRod_2:

(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: HaveUMetTed_2 Start: 531, Stop: 824, Start Num: 97

Candidate Starts for HaveUMetTed_2:

(Start: 89 @522 has 31 MA's), (Start: 97 @531 has 63 MA's), (123, 597),

Gene: Heffalump_5 Start: 2671, Stop: 2967, Start Num: 112

Candidate Starts for Heffalump_5:

(Start: 112 @2671 has 299 MA's), (141, 2794),

Gene: Heliosoles_1 Start: 522, Stop: 824, Start Num: 89

Candidate Starts for Heliosoles_1:

(Start: 89 @522 has 31 MA's), (Start: 97 @531 has 63 MA's), (123, 597),

Gene: Herbertwm_1 Start: 414, Stop: 710, Start Num: 110

Candidate Starts for Herbertwm_1:

(72, 327), (73, 330), (Start: 110 @414 has 194 MA's), (131, 513),

Gene: Hercules11_1 Start: 526, Stop: 819, Start Num: 97

Candidate Starts for Hercules11_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Hermia_2 Start: 750, Stop: 1046, Start Num: 112

Candidate Starts for Hermia_2:

(Start: 112 @750 has 299 MA's), (141, 873), (156, 963), (163, 999),

Gene: HermioneGrange_2 Start: 748, Stop: 1044, Start Num: 112

Candidate Starts for HermioneGrange_2:

(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: Hexamo_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Hexamo_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Hippo_2 Start: 729, Stop: 1040, Start Num: 109
Candidate Starts for Hippo_2:
(52, 627), (Start: 109 @729 has 117 MA's), (125, 801), (145, 882),

Gene: Homines_2 Start: 832, Stop: 1128, Start Num: 112
Candidate Starts for Homines_2:
(Start: 83 @784 has 1 MA's), (Start: 112 @832 has 299 MA's), (141, 955), (156, 1045), (163, 1081),

Gene: Honk_82 Start: 49790, Stop: 50095, Start Num: 109
Candidate Starts for Honk_82:
(64, 49700), (92, 49769), (Start: 109 @49790 has 117 MA's), (121, 49850),

Gene: Hookmount_1 Start: 445, Stop: 741, Start Num: 112
Candidate Starts for Hookmount_1:
(Start: 112 @445 has 299 MA's), (144, 580),

Gene: Hoot_4 Start: 2143, Stop: 2439, Start Num: 110
Candidate Starts for Hoot_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Hope4ever_1 Start: 600, Stop: 896, Start Num: 112
Candidate Starts for Hope4ever_1:
(Start: 77 @537 has 4 MA's), (Start: 91 @573 has 3 MA's), (Start: 99 @582 has 1 MA's), (Start: 108 @597 has 2 MA's), (Start: 112 @600 has 299 MA's), (141, 723), (156, 813), (163, 849),

Gene: HortumSL17_4 Start: 2335, Stop: 2628, Start Num: 110
Candidate Starts for HortumSL17_4:
(Start: 86 @2308 has 3 MA's), (Start: 110 @2335 has 194 MA's), (137, 2437), (141, 2455),

Gene: HuhtaEnerson15_1 Start: 535, Stop: 834, Start Num: 94
Candidate Starts for HuhtaEnerson15_1:
(Start: 94 @535 has 25 MA's), (137, 643), (147, 715), (159, 784), (168, 829),

Gene: Huphlebuff_94 Start: 48678, Stop: 49004, Start Num: 98
Candidate Starts for Huphlebuff_94:
(Start: 91 @48672 has 3 MA's), (Start: 98 @48678 has 14 MA's), (Start: 115 @48720 has 4 MA's), (124, 48765), (140, 48825), (148, 48885), (158, 48945),

Gene: Hutc2_4 Start: 2359, Stop: 2655, Start Num: 110
Candidate Starts for Hutc2_4:
(Start: 110 @2359 has 194 MA's), (Start: 117 @2392 has 3 MA's), (129, 2449), (168, 2650),

Gene: Hydra_3 Start: 739, Stop: 1053, Start Num: 109
Candidate Starts for Hydra_3:
(Start: 109 @739 has 117 MA's), (145, 895),

Gene: IAmGroot_75 Start: 45197, Stop: 45496, Start Num: 109
Candidate Starts for IAmGroot_75:
(92, 45173), (Start: 109 @45197 has 117 MA's),

Gene: ILeeKay_1 Start: 547, Stop: 843, Start Num: 112
Candidate Starts for ILeeKay_1:

(Start: 77 @484 has 4 MA's), (Start: 91 @520 has 3 MA's), (Start: 99 @529 has 1 MA's), (Start: 112 @547 has 299 MA's), (141, 670), (156, 760), (163, 796),

Gene: Ichabod_2 Start: 749, Stop: 1045, Start Num: 112
Candidate Starts for Ichabod_2:
(Start: 112 @749 has 299 MA's), (141, 872), (163, 998),

Gene: IgnatiusPatJac_1 Start: 597, Stop: 893, Start Num: 112
Candidate Starts for IgnatiusPatJac_1:
(Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 108 @594 has 2 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Indigo_2 Start: 740, Stop: 1054, Start Num: 109
Candidate Starts for Indigo_2:
(42, 629), (61, 656), (Start: 109 @740 has 117 MA's), (145, 896),

Gene: Indra_4 Start: 2143, Stop: 2439, Start Num: 110
Candidate Starts for Indra_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Insomnia_4 Start: 2356, Stop: 2652, Start Num: 110
Candidate Starts for Insomnia_4:
(Start: 110 @2356 has 194 MA's), (Start: 117 @2389 has 3 MA's), (129, 2446), (168, 2647),

Gene: Inyanga_1 Start: 599, Stop: 895, Start Num: 112
Candidate Starts for Inyanga_1:
(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 108 @596 has 2 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: Iqorha_1 Start: 599, Stop: 895, Start Num: 112
Candidate Starts for Iqorha_1:
(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 108 @596 has 2 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: IronMan_4 Start: 2114, Stop: 2410, Start Num: 110
Candidate Starts for IronMan_4:
(Start: 110 @2114 has 194 MA's), (131, 2213), (151, 2309),

Gene: Isca_1 Start: 420, Stop: 716, Start Num: 112
Candidate Starts for Isca_1:
(56, 318), (Start: 91 @411 has 3 MA's), (Start: 112 @420 has 299 MA's), (144, 555),

Gene: Isiphiwo_4 Start: 2143, Stop: 2439, Start Num: 110
Candidate Starts for Isiphiwo_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Issmi_2 Start: 651, Stop: 965, Start Num: 110
Candidate Starts for Issmi_2:
(Start: 110 @651 has 194 MA's), (144, 795), (146, 828), (168, 960),

Gene: Iter_70 Start: 43593, Stop: 43895, Start Num: 109
Candidate Starts for Iter_70:
(Start: 109 @43593 has 117 MA's), (123, 43659), (139, 43710), (150, 43785), (167, 43884),

Gene: IttyBittyPiggy_70 Start: 41834, Stop: 42145, Start Num: 109
Candidate Starts for IttyBittyPiggy_70:
(Start: 109 @41834 has 117 MA's), (150, 42026), (167, 42125),

Gene: Itza_2 Start: 744, Stop: 1058, Start Num: 110
Candidate Starts for Itza_2:
(Start: 110 @744 has 194 MA's), (144, 888),

Gene: Iwokeuplikedis_5 Start: 2364, Stop: 2660, Start Num: 110
Candidate Starts for Iwokeuplikedis_5:
(Start: 110 @2364 has 194 MA's),

Gene: Izzy_2 Start: 793, Stop: 1107, Start Num: 109
Candidate Starts for Izzy_2:
(69, 715), (Start: 109 @793 has 117 MA's), (145, 949),

Gene: JC27_2 Start: 748, Stop: 1044, Start Num: 112
Candidate Starts for JC27_2:
(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: JF2_1 Start: 419, Stop: 715, Start Num: 112
Candidate Starts for JF2_1:
(47, 293), (90, 410), (Start: 112 @419 has 299 MA's), (144, 554),

Gene: JF4_1 Start: 419, Stop: 715, Start Num: 112
Candidate Starts for JF4_1:
(47, 293), (90, 410), (Start: 112 @419 has 299 MA's), (144, 554),

Gene: JHC117_1 Start: 526, Stop: 819, Start Num: 97
Candidate Starts for JHC117_1:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: JSwag_4 Start: 2278, Stop: 2574, Start Num: 110
Candidate Starts for JSwag_4:
(Start: 110 @2278 has 194 MA's), (129, 2368),

Gene: Jaan_4 Start: 2110, Stop: 2406, Start Num: 110
Candidate Starts for Jaan_4:
(Start: 110 @2110 has 194 MA's), (131, 2209), (151, 2305),

Gene: Jabiru_1 Start: 502, Stop: 801, Start Num: 94
Candidate Starts for Jabiru_1:
(Start: 94 @502 has 25 MA's), (Start: 114 @517 has 1 MA's), (137, 610), (159, 751), (168, 796),

Gene: Jabith_4 Start: 2356, Stop: 2652, Start Num: 110
Candidate Starts for Jabith_4:
(Start: 110 @2356 has 194 MA's), (Start: 117 @2389 has 3 MA's), (129, 2446), (168, 2647),

Gene: JackSparrow_1 Start: 596, Stop: 892, Start Num: 112
Candidate Starts for JackSparrow_1:
(Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 108 @593 has 2 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (156, 809), (163, 845),

Gene: Janeemi_69 Start: 43509, Stop: 43811, Start Num: 109
Candidate Starts for Janeemi_69:
(Start: 109 @43509 has 117 MA's), (123, 43575), (139, 43626), (150, 43701), (167, 43800),

Gene: Janus_3 Start: 1027, Stop: 1341, Start Num: 110
Candidate Starts for Janus_3:
(Start: 110 @1027 has 194 MA's), (123, 1096), (144, 1171),

Gene: Jash_2 Start: 746, Stop: 1060, Start Num: 109
Candidate Starts for Jash_2:
(69, 668), (Start: 109 @746 has 117 MA's), (145, 902),

Gene: JasmineDragon_70 Start: 43243, Stop: 43605, Start Num: 105
Candidate Starts for JasmineDragon_70:
(53, 43126), (Start: 105 @43243 has 2 MA's), (121, 43312), (123, 43318), (164, 43513), (170, 43555),

Gene: Jasper_2 Start: 863, Stop: 1171, Start Num: 112
Candidate Starts for Jasper_2:
(Start: 83 @815 has 1 MA's), (Start: 112 @863 has 299 MA's), (141, 986), (156, 1076), (163, 1112),

Gene: Jeeves_4 Start: 2418, Stop: 2714, Start Num: 112
Candidate Starts for Jeeves_4:
(Start: 112 @2418 has 299 MA's), (139, 2529), (140, 2535),

Gene: Jeffabunny_4 Start: 2143, Stop: 2439, Start Num: 110
Candidate Starts for Jeffabunny_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: JenCasNa_1 Start: 517, Stop: 819, Start Num: 89
Candidate Starts for JenCasNa_1:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: JeppNRM_2 Start: 531, Stop: 824, Start Num: 97
Candidate Starts for JeppNRM_2:
(Start: 89 @522 has 31 MA's), (Start: 97 @531 has 63 MA's), (123, 597),

Gene: Jerm_5 Start: 2548, Stop: 2844, Start Num: 112
Candidate Starts for Jerm_5:
(Start: 112 @2548 has 299 MA's), (141, 2671),

Gene: Jerm2_2 Start: 748, Stop: 1044, Start Num: 112
Candidate Starts for Jerm2_2:
(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: Jevington_3 Start: 1035, Stop: 1349, Start Num: 110
Candidate Starts for Jevington_3:
(Start: 71 @963 has 1 MA's), (Start: 103 @1029 has 2 MA's), (Start: 110 @1035 has 194 MA's), (123, 1104), (144, 1179), (146, 1212),

Gene: JewelBug_4 Start: 2144, Stop: 2440, Start Num: 110
Candidate Starts for JewelBug_4:
(Start: 110 @2144 has 194 MA's), (144, 2279),

Gene: Jobu08_1 Start: 517, Stop: 819, Start Num: 89
Candidate Starts for Jobu08_1:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Joemato_71 Start: 43479, Stop: 43781, Start Num: 109
Candidate Starts for Joemato_71:
(Start: 109 @43479 has 117 MA's), (120, 43530), (123, 43545), (139, 43596), (150, 43671), (167, 43770),

Gene: JohnDoe_70 Start: 43395, Stop: 43697, Start Num: 109
Candidate Starts for JohnDoe_70:
(Start: 109 @43395 has 117 MA's), (120, 43446), (123, 43461), (139, 43512), (150, 43587), (167, 43686),

Gene: JoieB_93 Start: 49278, Stop: 49604, Start Num: 98
Candidate Starts for JoieB_93:
(84, 49251), (Start: 98 @49278 has 14 MA's), (Start: 115 @49320 has 4 MA's), (124, 49365), (140, 49425), (148, 49485), (158, 49545),

Gene: JonJames_13 Start: 3969, Stop: 4277, Start Num: 113
Candidate Starts for JonJames_13:
(Start: 113 @3969 has 26 MA's), (146, 4143), (150, 4161), (153, 4182),

Gene: Jordennis_4 Start: 2143, Stop: 2439, Start Num: 110
Candidate Starts for Jordennis_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Jorgensen_2 Start: 833, Stop: 1129, Start Num: 112
Candidate Starts for Jorgensen_2:
(Start: 83 @785 has 1 MA's), (Start: 112 @833 has 299 MA's), (141, 956), (149, 1010), (156, 1046), (163, 1082),

Gene: Joselito_4 Start: 2356, Stop: 2652, Start Num: 110
Candidate Starts for Joselito_4:
(Start: 110 @2356 has 194 MA's), (Start: 117 @2389 has 3 MA's), (129, 2446), (168, 2647),

Gene: JoshKayV_5 Start: 2563, Stop: 2859, Start Num: 112
Candidate Starts for JoshKayV_5:
(Start: 112 @2563 has 299 MA's), (141, 2686),

Gene: Journey13_4 Start: 2424, Stop: 2720, Start Num: 110
Candidate Starts for Journey13_4:
(Start: 110 @2424 has 194 MA's), (129, 2514),

Gene: Jovo_1 Start: 535, Stop: 834, Start Num: 94
Candidate Starts for Jovo_1:
(Start: 94 @535 has 25 MA's), (137, 643), (147, 715), (159, 784), (168, 829),

Gene: Jsquared_4 Start: 2327, Stop: 2623, Start Num: 110
Candidate Starts for Jsquared_4:
(Start: 110 @2327 has 194 MA's),

Gene: Jstan_70 Start: 43158, Stop: 43409, Start Num: 120

Candidate Starts for Jstan_70:

(Start: 109 @43107 has 117 MA's), (120, 43158), (123, 43173), (139, 43224), (150, 43299), (167, 43398),

Gene: JuliaChild_2 Start: 834, Stop: 1130, Start Num: 112

Candidate Starts for JuliaChild_2:

(Start: 83 @786 has 1 MA's), (Start: 112 @834 has 299 MA's), (141, 957), (156, 1047), (163, 1083),

Gene: JuneStar_68 Start: 44149, Stop: 44457, Start Num: 109

Candidate Starts for JuneStar_68:

(25, 43936), (Start: 109 @44149 has 117 MA's), (123, 44215), (147, 44332), (150, 44341), (167, 44440),

Gene: KADY_2 Start: 527, Stop: 820, Start Num: 97

Candidate Starts for KADY_2:

(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: KBG_2 Start: 835, Stop: 1131, Start Num: 112

Candidate Starts for KBG_2:

(Start: 83 @787 has 1 MA's), (Start: 112 @835 has 299 MA's), (141, 958), (156, 1048), (163, 1084),

Gene: KSSJEB_1 Start: 580, Stop: 903, Start Num: 91

Candidate Starts for KSSJEB_1:

(Start: 91 @580 has 3 MA's), (Start: 99 @589 has 1 MA's), (Start: 112 @607 has 299 MA's), (141, 730), (156, 820), (163, 856),

Gene: Kachowdy_1 Start: 416, Stop: 712, Start Num: 96

Candidate Starts for Kachowdy_1:

(47, 293), (90, 410), (Start: 96 @416 has 3 MA's), (144, 551),

Gene: Kaine_3 Start: 968, Stop: 1282, Start Num: 110

Candidate Starts for Kaine_3:

(22, 755), (32, 785), (104, 962), (Start: 110 @968 has 194 MA's), (123, 1037), (144, 1112), (146, 1145),

Gene: Kalb97_2 Start: 528, Stop: 821, Start Num: 97

Candidate Starts for Kalb97_2:

(Start: 89 @519 has 31 MA's), (Start: 97 @528 has 63 MA's), (123, 594),

Gene: Kalnoky_2 Start: 522, Stop: 824, Start Num: 89

Candidate Starts for Kalnoky_2:

(Start: 89 @522 has 31 MA's), (Start: 97 @531 has 63 MA's), (123, 597),

Gene: Kalpine_4 Start: 2560, Stop: 2856, Start Num: 112

Candidate Starts for Kalpine_4:

(Start: 112 @2560 has 299 MA's),

Gene: Kanely_3 Start: 1297, Stop: 1593, Start Num: 112

Candidate Starts for Kanely_3:

(Start: 83 @1249 has 1 MA's), (Start: 112 @1297 has 299 MA's), (141, 1420), (156, 1510), (163, 1546),

Gene: Katalie_2 Start: 726, Stop: 1040, Start Num: 109

Candidate Starts for Katalie_2:

(39, 582), (Start: 109 @726 has 117 MA's), (125, 798), (145, 882),

Gene: KatherineG_4 Start: 2425, Stop: 2721, Start Num: 110

Candidate Starts for KatherineG_4:

(Start: 110 @2425 has 194 MA's), (129, 2515),

Gene: Kaylissa_71 Start: 43755, Stop: 44057, Start Num: 109

Candidate Starts for Kaylissa_71:

(Start: 109 @43755 has 117 MA's), (120, 43806), (123, 43821), (139, 43872), (150, 43947), (167, 44046),

Gene: Kazan_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Kazan_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: KeAlii_67 Start: 41473, Stop: 41784, Start Num: 109

Candidate Starts for KeAlii_67:

(Start: 109 @41473 has 117 MA's), (123, 41539), (139, 41590), (167, 41764),

Gene: Kenmech_2 Start: 758, Stop: 1054, Start Num: 112

Candidate Starts for Kenmech_2:

(Start: 112 @758 has 299 MA's), (141, 881), (149, 935), (156, 971), (163, 1007),

Gene: Kerberos_4 Start: 2345, Stop: 2641, Start Num: 110

Candidate Starts for Kerberos_4:

(Start: 110 @2345 has 194 MA's),

Gene: Keziacharles14_4 Start: 2212, Stop: 2505, Start Num: 110

Candidate Starts for Keziacharles14_4:

(Start: 110 @2212 has 194 MA's), (129, 2299), (137, 2314), (141, 2332),

Gene: Killigrew_1 Start: 596, Stop: 892, Start Num: 112

Candidate Starts for Killigrew_1:

(Start: 77 @533 has 4 MA's), (Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (156, 809), (163, 845),

Gene: Kimona_1 Start: 576, Stop: 872, Start Num: 112

Candidate Starts for Kimona_1:

(90, 567), (Start: 112 @576 has 299 MA's), (Start: 117 @609 has 3 MA's), (144, 711), (159, 822),

Gene: KingCyrus_5 Start: 2548, Stop: 2844, Start Num: 112

Candidate Starts for KingCyrus_5:

(Start: 112 @2548 has 299 MA's), (141, 2671),

Gene: Kipper29_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Kipper29_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: KittenMittens_1 Start: 472, Stop: 768, Start Num: 97

Candidate Starts for KittenMittens_1:

(20, 247), (Start: 97 @472 has 63 MA's), (144, 607),

Gene: Koko_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Koko_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Kristoff_2 Start: 629, Stop: 925, Start Num: 97
Candidate Starts for Kristoff_2:
(Start: 66 @548 has 1 MA's), (Start: 97 @629 has 63 MA's),

Gene: Kugel_1 Start: 596, Stop: 904, Start Num: 112
Candidate Starts for Kugel_1:
(78, 533), (Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 112 @596 has 299 MA's),
(141, 719), (156, 809), (163, 845),

Gene: KyMonks1A_1 Start: 597, Stop: 893, Start Num: 112
Candidate Starts for KyMonks1A_1:
(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Kykar_1 Start: 597, Stop: 893, Start Num: 112
Candidate Starts for Kykar_1:
(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: L5_4 Start: 2332, Stop: 2628, Start Num: 110
Candidate Starts for L5_4:
(Start: 110 @2332 has 194 MA's),

Gene: LBerry_1 Start: 517, Stop: 819, Start Num: 89
Candidate Starts for LBerry_1:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: LHTSCC_1 Start: 460, Stop: 762, Start Num: 108
Candidate Starts for LHTSCC_1:
(Start: 65 @355 has 2 MA's), (Start: 108 @460 has 2 MA's), (123, 535), (163, 721),

Gene: LadyBird_4 Start: 2463, Stop: 2759, Start Num: 112
Candidate Starts for LadyBird_4:
(Start: 112 @2463 has 299 MA's), (141, 2586),

Gene: Lambert1_1 Start: 445, Stop: 741, Start Num: 112
Candidate Starts for Lambert1_1:
(Start: 112 @445 has 299 MA's), (144, 580),

Gene: Lamina13_2 Start: 750, Stop: 1046, Start Num: 112
Candidate Starts for Lamina13_2:
(Start: 112 @750 has 299 MA's), (141, 873), (156, 963), (163, 999),

Gene: Landor_4 Start: 2112, Stop: 2408, Start Num: 110
Candidate Starts for Landor_4:
(Start: 110 @2112 has 194 MA's), (131, 2211), (151, 2307),

Gene: Lannister_3 Start: 743, Stop: 1054, Start Num: 109
Candidate Starts for Lannister_3:
(79, 701), (Start: 109 @743 has 117 MA's), (145, 896),

Gene: Larenn_5 Start: 2579, Stop: 2875, Start Num: 112
Candidate Starts for Larenn_5:
(Start: 112 @2579 has 299 MA's),

Gene: LarryKay_1 Start: 527, Stop: 820, Start Num: 97
Candidate Starts for LarryKay_1:
(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: LastResort_4 Start: 2278, Stop: 2574, Start Num: 110
Candidate Starts for LastResort_4:
(Start: 110 @2278 has 194 MA's), (129, 2368),

Gene: Legacy_2 Start: 739, Stop: 1053, Start Num: 109
Candidate Starts for Legacy_2:
(Start: 109 @739 has 117 MA's), (145, 895),

Gene: Lego_69 Start: 43077, Stop: 43379, Start Num: 109
Candidate Starts for Lego_69:
(Start: 109 @43077 has 117 MA's), (120, 43128), (123, 43143), (139, 43194), (150, 43269), (167, 43368),

Gene: Leogania_4 Start: 2319, Stop: 2615, Start Num: 112
Candidate Starts for Leogania_4:
(Start: 112 @2319 has 299 MA's), (140, 2436),

Gene: Lesedi_1 Start: 599, Stop: 895, Start Num: 112
Candidate Starts for Lesedi_1:
(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: Lev2_1 Start: 534, Stop: 833, Start Num: 94
Candidate Starts for Lev2_1:
(32, 372), (Start: 94 @534 has 25 MA's), (137, 642), (147, 714), (159, 783), (168, 828),

Gene: Leviathan_5 Start: 2547, Stop: 2843, Start Num: 112
Candidate Starts for Leviathan_5:
(Start: 112 @2547 has 299 MA's), (141, 2670),

Gene: Leviticus_2 Start: 740, Stop: 1054, Start Num: 109
Candidate Starts for Leviticus_2:
(42, 629), (61, 656), (Start: 109 @740 has 117 MA's), (145, 896),

Gene: Licorice_2 Start: 751, Stop: 1047, Start Num: 112
Candidate Starts for Licorice_2:
(Start: 112 @751 has 299 MA's), (141, 874), (156, 964), (163, 1000),

Gene: Liebe_69 Start: 45433, Stop: 45732, Start Num: 109
Candidate Starts for Liebe_69:
(Start: 109 @45433 has 117 MA's), (123, 45499), (125, 45502), (148, 45619), (167, 45724),

Gene: Lika_2 Start: 726, Stop: 1037, Start Num: 109
Candidate Starts for Lika_2:

(Start: 46 @615 has 1 MA's), (Start: 109 @726 has 117 MA's), (125, 798), (132, 828), (141, 855),

Gene: LilBib_1 Start: 600, Stop: 896, Start Num: 112

Candidate Starts for LilBib_1:

(93, 573), (101, 582), (Start: 112 @600 has 299 MA's), (141, 723), (156, 813), (163, 849),

Gene: LilTurb_5 Start: 2548, Stop: 2844, Start Num: 112

Candidate Starts for LilTurb_5:

(Start: 112 @2548 has 299 MA's), (141, 2671),

Gene: Lilbit_90 Start: 49238, Stop: 49564, Start Num: 98

Candidate Starts for Lilbit_90:

(Start: 91 @49232 has 3 MA's), (Start: 98 @49238 has 14 MA's), (Start: 115 @49280 has 4 MA's), (124, 49325), (140, 49385), (148, 49445), (158, 49505),

Gene: Lilbunny_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Lilbunny_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Lilith_1 Start: 527, Stop: 820, Start Num: 97

Candidate Starts for Lilith_1:

(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: LionsBait_4 Start: 2366, Stop: 2662, Start Num: 112

Candidate Starts for LionsBait_4:

(Start: 112 @2366 has 299 MA's),

Gene: LittleCherry_1 Start: 535, Stop: 834, Start Num: 94

Candidate Starts for LittleCherry_1:

(Start: 94 @535 has 25 MA's), (137, 643), (147, 715), (159, 784), (168, 829),

Gene: LittleLaf_90 Start: 49009, Stop: 49293, Start Num: 115

Candidate Starts for LittleLaf_90:

(Start: 91 @48961 has 3 MA's), (Start: 98 @48967 has 14 MA's), (Start: 115 @49009 has 4 MA's), (124, 49054), (140, 49114), (148, 49174), (158, 49234),

Gene: Lizalica_69 Start: 42687, Stop: 42989, Start Num: 109

Candidate Starts for Lizalica_69:

(Start: 109 @42687 has 117 MA's), (120, 42738), (123, 42753), (139, 42804), (150, 42879), (167, 42978),

Gene: Lockley_2 Start: 739, Stop: 1035, Start Num: 112

Candidate Starts for Lockley_2:

(Start: 112 @739 has 299 MA's), (141, 862), (149, 916), (156, 952), (163, 988),

Gene: Lokk_5 Start: 2540, Stop: 2836, Start Num: 112

Candidate Starts for Lokk_5:

(Start: 112 @2540 has 299 MA's),

Gene: London_69 Start: 43231, Stop: 43533, Start Num: 109

Candidate Starts for London_69:

(Start: 109 @43231 has 117 MA's), (120, 43282), (123, 43297), (139, 43348), (150, 43423), (167, 43522),

Gene: LoneWolf_4 Start: 2099, Stop: 2392, Start Num: 110

Candidate Starts for LoneWolf_4:

(Start: 110 @2099 has 194 MA's), (137, 2201), (141, 2219),

Gene: Loofah_3 Start: 682, Stop: 996, Start Num: 110

Candidate Starts for Loofah_3:

(Start: 71 @604 has 1 MA's), (104, 673), (Start: 110 @682 has 194 MA's), (144, 826), (145, 838),

Gene: Looper_4 Start: 2278, Stop: 2574, Start Num: 110

Candidate Starts for Looper_4:

(Start: 110 @2278 has 194 MA's), (129, 2368),

Gene: Lopton_2 Start: 841, Stop: 1137, Start Num: 112

Candidate Starts for Lopton_2:

(Start: 83 @793 has 1 MA's), (Start: 112 @841 has 299 MA's), (141, 964), (156, 1054), (163, 1090),

Gene: Lorelei_2 Start: 726, Stop: 1037, Start Num: 109

Candidate Starts for Lorelei_2:

(Start: 40 @591 has 2 MA's), (Start: 109 @726 has 117 MA's), (125, 798), (132, 828), (145, 879),

Gene: Loser_4 Start: 2277, Stop: 2573, Start Num: 112

Candidate Starts for Loser_4:

(Start: 112 @2277 has 299 MA's), (141, 2400),

Gene: Louie6_1 Start: 527, Stop: 820, Start Num: 97

Candidate Starts for Louie6_1:

(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Lozinak_14 Start: 3268, Stop: 3576, Start Num: 113

Candidate Starts for Lozinak_14:

(95, 3238), (Start: 113 @3268 has 26 MA's), (150, 3460), (Start: 161 @3532 has 1 MA's),

Gene: Luchador_4 Start: 2402, Stop: 2698, Start Num: 112

Candidate Starts for Luchador_4:

(Start: 112 @2402 has 299 MA's), (136, 2504), (139, 2513), (140, 2519),

Gene: Lucivia_4 Start: 2353, Stop: 2649, Start Num: 110

Candidate Starts for Lucivia_4:

(Start: 110 @2353 has 194 MA's), (Start: 117 @2386 has 3 MA's), (129, 2443), (168, 2644),

Gene: Lucyedi_4 Start: 2125, Stop: 2418, Start Num: 110

Candidate Starts for Lucyedi_4:

(Start: 110 @2125 has 194 MA's), (123, 2191), (137, 2227), (141, 2245), (144, 2257),

Gene: LugYA_3 Start: 517, Stop: 819, Start Num: 89

Candidate Starts for LugYA_3:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: LunarLander_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for LunarLander_1:

(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: MA5_1 Start: 429, Stop: 725, Start Num: 112
Candidate Starts for MA5_1:
(90, 420), (Start: 112 @429 has 299 MA's), (123, 498), (144, 564),

Gene: MK4_1 Start: 419, Stop: 715, Start Num: 112
Candidate Starts for MK4_1:
(47, 293), (90, 410), (Start: 112 @419 has 299 MA's), (144, 554),

Gene: MPlant7149_2 Start: 748, Stop: 1044, Start Num: 112
Candidate Starts for MPlant7149_2:
(Start: 112 @748 has 299 MA's), (156, 961), (163, 997),

Gene: MaCh_4 Start: 2353, Stop: 2649, Start Num: 110
Candidate Starts for MaCh_4:
(Start: 110 @2353 has 194 MA's), (Start: 117 @2386 has 3 MA's), (129, 2443), (168, 2644),

Gene: MaGuCo_63 Start: 43554, Stop: 43853, Start Num: 109
Candidate Starts for MaGuCo_63:
(Start: 109 @43554 has 117 MA's), (123, 43620), (125, 43623), (148, 43740), (167, 43845),

Gene: Mabodamaca_75 Start: 48569, Stop: 48868, Start Num: 109
Candidate Starts for Mabodamaca_75:
(18, 48311), (Start: 109 @48569 has 117 MA's), (123, 48635), (139, 48686), (150, 48761),

Gene: MadMarie_1 Start: 518, Stop: 820, Start Num: 89
Candidate Starts for MadMarie_1:
(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Magnar_1 Start: 599, Stop: 895, Start Num: 112
Candidate Starts for Magnar_1:
(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: Magnito_1 Start: 535, Stop: 894, Start Num: 77
Candidate Starts for Magnito_1:
(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Mainiac_1 Start: 527, Stop: 820, Start Num: 97
Candidate Starts for Mainiac_1:
(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Makemake_2 Start: 1064, Stop: 1360, Start Num: 112
Candidate Starts for Makemake_2:
(Start: 91 @1034 has 3 MA's), (Start: 99 @1043 has 1 MA's), (Start: 108 @1058 has 2 MA's), (Start: 112 @1064 has 299 MA's), (141, 1187), (163, 1313),

Gene: MalagasyRose_85 Start: 53161, Stop: 53499, Start Num: 119
Candidate Starts for MalagasyRose_85:
(70, 53017), (72, 53020), (85, 53065), (106, 53101), (116, 53140), (Start: 119 @53161 has 2 MA's), (144, 53260), (154, 53341),

Gene: Malec_5 Start: 2579, Stop: 2875, Start Num: 112

Candidate Starts for Malec_5:

(Start: 112 @2579 has 299 MA's),

Gene: Malinsilva_3 Start: 526, Stop: 819, Start Num: 97

Candidate Starts for Malinsilva_3:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Maminiaina_4 Start: 2102, Stop: 2395, Start Num: 110

Candidate Starts for Maminiaina_4:

(Start: 110 @2102 has 194 MA's), (137, 2204), (141, 2222),

Gene: Manatee_2 Start: 747, Stop: 1043, Start Num: 112

Candidate Starts for Manatee_2:

(Start: 112 @747 has 299 MA's), (141, 870), (156, 960), (163, 996),

Gene: Maneekul_2 Start: 729, Stop: 1040, Start Num: 109

Candidate Starts for Maneekul_2:

(52, 627), (Start: 109 @729 has 117 MA's), (125, 801), (132, 831), (141, 858), (150, 921),

Gene: Manu_2 Start: 531, Stop: 824, Start Num: 97

Candidate Starts for Manu_2:

(Start: 89 @522 has 31 MA's), (Start: 97 @531 has 63 MA's), (123, 597),

Gene: MarQuardt_1 Start: 526, Stop: 819, Start Num: 97

Candidate Starts for MarQuardt_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Marav_3 Start: 1035, Stop: 1349, Start Num: 110

Candidate Starts for Marav_3:

(52, 909), (Start: 71 @963 has 1 MA's), (Start: 103 @1029 has 2 MA's), (Start: 110 @1035 has 194 MA's), (123, 1104), (144, 1179), (146, 1212),

Gene: Marcell_2 Start: 743, Stop: 1039, Start Num: 112

Candidate Starts for Marcell_2:

(Start: 112 @743 has 299 MA's), (141, 866), (156, 956), (163, 992),

Gene: Marchy_2 Start: 748, Stop: 1044, Start Num: 112

Candidate Starts for Marchy_2:

(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: Marco3_1 Start: 597, Stop: 893, Start Num: 112

Candidate Starts for Marco3_1:

(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Marge_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for Marge_1:

(Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Margo_1 Start: 445, Stop: 741, Start Num: 112

Candidate Starts for Margo_1:

(Start: 112 @445 has 299 MA's), (144, 580),

Gene: Marie_1 Start: 517, Stop: 819, Start Num: 89

Candidate Starts for Marie_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Marius_2 Start: 531, Stop: 824, Start Num: 97

Candidate Starts for Marius_2:

(Start: 89 @522 has 31 MA's), (Start: 97 @531 has 63 MA's), (123, 597),

Gene: Maroc7_1 Start: 600, Stop: 896, Start Num: 112

Candidate Starts for Maroc7_1:

(Start: 77 @537 has 4 MA's), (Start: 91 @573 has 3 MA's), (Start: 99 @582 has 1 MA's), (Start: 112 @600 has 299 MA's), (141, 723), (156, 813), (163, 849),

Gene: Marsha_2 Start: 1060, Stop: 1356, Start Num: 111

Candidate Starts for Marsha_2:

(Start: 91 @1033 has 3 MA's), (Start: 99 @1042 has 1 MA's), (Start: 108 @1057 has 2 MA's), (Start: 111 @1060 has 4 MA's), (141, 1183), (163, 1309),

Gene: Marvin_86 Start: 48763, Stop: 49089, Start Num: 98

Candidate Starts for Marvin_86:

(Start: 91 @48757 has 3 MA's), (Start: 98 @48763 has 14 MA's), (Start: 115 @48805 has 4 MA's), (124, 48850), (140, 48910), (148, 48970), (158, 49030),

Gene: MaryBeth_2 Start: 751, Stop: 1047, Start Num: 112

Candidate Starts for MaryBeth_2:

(Start: 112 @751 has 299 MA's), (141, 874), (156, 964), (163, 1000),

Gene: Maureen_69 Start: 45432, Stop: 45731, Start Num: 109

Candidate Starts for Maureen_69:

(Start: 109 @45432 has 117 MA's), (123, 45498), (125, 45501), (148, 45618), (167, 45723),

Gene: McFly_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for McFly_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: McGuire_2 Start: 749, Stop: 1045, Start Num: 112

Candidate Starts for McGuire_2:

(Start: 112 @749 has 299 MA's), (141, 872), (149, 926), (156, 962), (163, 998),

Gene: McSinger_2 Start: 741, Stop: 1049, Start Num: 112

Candidate Starts for McSinger_2:

(68, 636), (Start: 112 @741 has 299 MA's), (141, 864), (156, 954), (163, 990),

Gene: MetalQZJ_2 Start: 751, Stop: 1047, Start Num: 112

Candidate Starts for MetalQZJ_2:

(Start: 112 @751 has 299 MA's), (141, 874), (156, 964), (163, 1000),

Gene: Methuselah_1 Start: 527, Stop: 820, Start Num: 97

Candidate Starts for Methuselah_1:

(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Michley_1 Start: 597, Stop: 893, Start Num: 112
Candidate Starts for Michley_1:
(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Microwolf_1 Start: 526, Stop: 819, Start Num: 97
Candidate Starts for Microwolf_1:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: MiculUcigas_5 Start: 2624, Stop: 2920, Start Num: 112
Candidate Starts for MiculUcigas_5:
(35, 2423), (Start: 112 @2624 has 299 MA's),

Gene: Midas2_1 Start: 503, Stop: 802, Start Num: 94
Candidate Starts for Midas2_1:
(30, 368), (Start: 94 @503 has 25 MA's), (137, 611), (147, 683), (159, 752), (168, 797),

Gene: Miko_5 Start: 2518, Stop: 2814, Start Num: 112
Candidate Starts for Miko_5:
(Start: 112 @2518 has 299 MA's),

Gene: Milcery_1 Start: 534, Stop: 833, Start Num: 94
Candidate Starts for Milcery_1:
(32, 372), (Start: 94 @534 has 25 MA's), (137, 642), (147, 714), (159, 783), (168, 828),

Gene: MinecraftSteve_5 Start: 2425, Stop: 2721, Start Num: 110
Candidate Starts for MinecraftSteve_5:
(Start: 110 @2425 has 194 MA's), (129, 2515),

Gene: MiniMommy_73 Start: 43251, Stop: 43613, Start Num: 105
Candidate Starts for MiniMommy_73:
(53, 43134), (Start: 105 @43251 has 2 MA's), (121, 43320), (123, 43326), (164, 43521), (168, 43554), (170, 43563),

Gene: Miskis_12 Start: 3268, Stop: 3576, Start Num: 113
Candidate Starts for Miskis_12:
(95, 3238), (Start: 113 @3268 has 26 MA's), (150, 3460), (Start: 161 @3532 has 1 MA's),

Gene: MissSwiss_70 Start: 42246, Stop: 42548, Start Num: 109
Candidate Starts for MissSwiss_70:
(Start: 109 @42246 has 117 MA's), (139, 42363), (147, 42429), (167, 42537),

Gene: MissWhite_4 Start: 2314, Stop: 2610, Start Num: 110
Candidate Starts for MissWhite_4:
(Start: 110 @2314 has 194 MA's),

Gene: Mkhuseli_1 Start: 600, Stop: 896, Start Num: 112
Candidate Starts for Mkhuseli_1:
(Start: 77 @537 has 4 MA's), (Start: 91 @573 has 3 MA's), (Start: 99 @582 has 1 MA's), (Start: 112 @600 has 299 MA's), (141, 723), (156, 813), (163, 849),

Gene: Molly_2 Start: 748, Stop: 1044, Start Num: 112
Candidate Starts for Molly_2:

(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: Mollymur_10 Start: 5419, Stop: 5724, Start Num: 113

Candidate Starts for Mollymur_10:

(Start: 113 @5419 has 26 MA's), (146, 5590), (168, 5719),

Gene: Monet_2 Start: 750, Stop: 1046, Start Num: 112

Candidate Starts for Monet_2:

(Start: 112 @750 has 299 MA's), (141, 873), (156, 963), (163, 999),

Gene: MoneyMay_1 Start: 517, Stop: 819, Start Num: 89

Candidate Starts for MoneyMay_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Moose_1 Start: 596, Stop: 892, Start Num: 112

Candidate Starts for Moose_1:

(Start: 77 @533 has 4 MA's), (Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (149, 773), (156, 809), (163, 845),

Gene: MosMoris_88 Start: 49109, Stop: 49435, Start Num: 97

Candidate Starts for MosMoris_88:

(Start: 97 @49109 has 63 MA's), (Start: 115 @49151 has 4 MA's), (124, 49196), (140, 49256), (148, 49316), (158, 49376),

Gene: MrGordo_1 Start: 570, Stop: 905, Start Num: 91

Candidate Starts for MrGordo_1:

(78, 534), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Mryolo_1 Start: 599, Stop: 895, Start Num: 112

Candidate Starts for Mryolo_1:

(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: Mudpuppy_68 Start: 43455, Stop: 43757, Start Num: 109

Candidate Starts for Mudpuppy_68:

(Start: 109 @43455 has 117 MA's), (120, 43506), (123, 43521), (139, 43572), (150, 43647), (167, 43746),

Gene: Mulciber_4 Start: 2359, Stop: 2655, Start Num: 110

Candidate Starts for Mulciber_4:

(Start: 110 @2359 has 194 MA's), (Start: 117 @2392 has 3 MA's), (129, 2449), (168, 2650),

Gene: Mule_1 Start: 595, Stop: 891, Start Num: 112

Candidate Starts for Mule_1:

(Start: 77 @532 has 4 MA's), (Start: 91 @568 has 3 MA's), (Start: 99 @577 has 1 MA's), (Start: 108 @592 has 2 MA's), (Start: 112 @595 has 299 MA's), (141, 718), (156, 808), (163, 844),

Gene: Munch_4 Start: 2356, Stop: 2652, Start Num: 110

Candidate Starts for Munch_4:

(Start: 110 @2356 has 194 MA's), (Start: 117 @2389 has 3 MA's), (129, 2446), (168, 2647),

Gene: Museum_3 Start: 748, Stop: 1044, Start Num: 112

Candidate Starts for Museum_3:
(Start: 112 @748 has 299 MA's), (156, 961), (163, 997),

Gene: MyraDee_1 Start: 377, Stop: 667, Start Num: 99
Candidate Starts for MyraDee_1:
(Start: 99 @377 has 1 MA's), (123, 440), (144, 506), (159, 617),

Gene: Myxus_4 Start: 2335, Stop: 2628, Start Num: 110
Candidate Starts for Myxus_4:
(Start: 86 @2308 has 3 MA's), (Start: 110 @2335 has 194 MA's), (137, 2437), (141, 2455),

Gene: NEHalo_2 Start: 747, Stop: 1043, Start Num: 112
Candidate Starts for NEHalo_2:
(Start: 112 @747 has 299 MA's), (141, 870), (156, 960), (163, 996),

Gene: NaSiaTalie_5 Start: 2624, Stop: 2920, Start Num: 112
Candidate Starts for NaSiaTalie_5:
(35, 2423), (Start: 112 @2624 has 299 MA's),

Gene: Nabi_2 Start: 726, Stop: 1037, Start Num: 109
Candidate Starts for Nabi_2:
(Start: 40 @591 has 2 MA's), (Start: 109 @726 has 117 MA's), (125, 798), (132, 828), (145, 879),

Gene: Naca_1 Start: 505, Stop: 804, Start Num: 94
Candidate Starts for Naca_1:
(Start: 94 @505 has 25 MA's), (Start: 114 @520 has 1 MA's), (137, 613), (159, 754), (168, 799),

Gene: Naira_1 Start: 606, Stop: 902, Start Num: 112
Candidate Starts for Naira_1:
(Start: 77 @543 has 4 MA's), (Start: 91 @579 has 3 MA's), (Start: 99 @588 has 1 MA's), (Start: 112 @606 has 299 MA's), (141, 729), (149, 783), (156, 819), (163, 855),

Gene: Naji_4 Start: 2345, Stop: 2641, Start Num: 110
Candidate Starts for Naji_4:
(Start: 110 @2345 has 194 MA's),

Gene: Nanodon_3 Start: 713, Stop: 1027, Start Num: 109
Candidate Starts for Nanodon_3:
(47, 602), (69, 632), (Start: 109 @713 has 117 MA's), (125, 785), (145, 869),

Gene: NearlyHeadless_1 Start: 505, Stop: 798, Start Num: 112
Candidate Starts for NearlyHeadless_1:
(Start: 112 @505 has 299 MA's), (147, 679), (163, 757), (168, 793),

Gene: Nebulosus_4 Start: 2278, Stop: 2574, Start Num: 110
Candidate Starts for Nebulosus_4:
(Start: 110 @2278 has 194 MA's), (129, 2368),

Gene: Nedarya_4 Start: 2247, Stop: 2543, Start Num: 110
Candidate Starts for Nedarya_4:
(Start: 110 @2247 has 194 MA's),

Gene: Neeharika16_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Neeharika16_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Nerdos_2 Start: 740, Stop: 1054, Start Num: 109
Candidate Starts for Nerdos_2:
(42, 629), (61, 656), (Start: 109 @740 has 117 MA's), (145, 896),

Gene: Nergal_81 Start: 54725, Stop: 55063, Start Num: 119
Candidate Starts for Nergal_81:
(Start: 119 @54725 has 2 MA's), (142, 54815), (144, 54824), (154, 54905),

Gene: Nerujay_1 Start: 598, Stop: 906, Start Num: 112
Candidate Starts for Nerujay_1:
(78, 535), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's),
(141, 721), (156, 811), (163, 847),

Gene: Newrala_4 Start: 2143, Stop: 2439, Start Num: 110
Candidate Starts for Newrala_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Nhonho_2 Start: 746, Stop: 1042, Start Num: 112
Candidate Starts for Nhonho_2:
(Start: 112 @746 has 299 MA's), (156, 959), (163, 995),

Gene: NicoleTera_4 Start: 2315, Stop: 2611, Start Num: 112
Candidate Starts for NicoleTera_4:
(Start: 112 @2315 has 299 MA's),

Gene: Niobe_69 Start: 43234, Stop: 43536, Start Num: 109
Candidate Starts for Niobe_69:
(Start: 109 @43234 has 117 MA's), (120, 43285), (123, 43300), (139, 43351), (150, 43426), (167,
43525),

Gene: Nishikigoi_2 Start: 652, Stop: 966, Start Num: 110
Candidate Starts for Nishikigoi_2:
(Start: 103 @643 has 2 MA's), (Start: 110 @652 has 194 MA's), (144, 796), (146, 829),

Gene: Nitro_70 Start: 44009, Stop: 44311, Start Num: 109
Candidate Starts for Nitro_70:
(Start: 109 @44009 has 117 MA's), (123, 44075), (139, 44126), (150, 44201), (167, 44300),

Gene: Niza_3 Start: 1297, Stop: 1593, Start Num: 112
Candidate Starts for Niza_3:
(Start: 83 @1249 has 1 MA's), (Start: 112 @1297 has 299 MA's), (141, 1420), (163, 1546),

Gene: Noella_1 Start: 445, Stop: 741, Start Num: 112
Candidate Starts for Noella_1:
(Start: 112 @445 has 299 MA's), (144, 580),

Gene: Norvs_14 Start: 3268, Stop: 3576, Start Num: 113
Candidate Starts for Norvs_14:
(95, 3238), (Start: 113 @3268 has 26 MA's), (150, 3460), (Start: 161 @3532 has 1 MA's),

Gene: Norz_2 Start: 745, Stop: 1041, Start Num: 112
Candidate Starts for Norz_2:
(Start: 112 @745 has 299 MA's), (141, 868), (156, 958), (163, 994),

Gene: OKCentral2016_1 Start: 464, Stop: 760, Start Num: 97
Candidate Starts for OKCentral2016_1:
(63, 377), (Start: 97 @464 has 63 MA's),

Gene: ObiToo_74 Start: 43593, Stop: 43895, Start Num: 109
Candidate Starts for ObiToo_74:
(Start: 109 @43593 has 117 MA's), (150, 43785), (167, 43884),

Gene: Odin_3 Start: 2153, Stop: 2449, Start Num: 110
Candidate Starts for Odin_3:
(Start: 110 @2153 has 194 MA's), (151, 2348),

Gene: Ohno789_1 Start: 597, Stop: 893, Start Num: 112
Candidate Starts for Ohno789_1:
(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: OlanP_1 Start: 710, Stop: 1003, Start Num: 97
Candidate Starts for OlanP_1:
(Start: 97 @710 has 63 MA's), (123, 776),

Gene: Oliynyk_2 Start: 746, Stop: 1060, Start Num: 109
Candidate Starts for Oliynyk_2:
(69, 668), (Start: 109 @746 has 117 MA's), (145, 902),

Gene: Ollie_1 Start: 526, Stop: 819, Start Num: 97
Candidate Starts for Ollie_1:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Omar_2 Start: 651, Stop: 965, Start Num: 110
Candidate Starts for Omar_2:
(Start: 103 @642 has 2 MA's), (Start: 110 @651 has 194 MA's), (144, 795), (146, 828),

Gene: OneUp_9 Start: 2116, Stop: 2424, Start Num: 113
Candidate Starts for OneUp_9:
(81, 2056), (Start: 113 @2116 has 26 MA's), (146, 2290), (152, 2326),

Gene: Oogway_1 Start: 598, Stop: 894, Start Num: 112
Candidate Starts for Oogway_1:
(Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (163, 847),

Gene: Orange_4 Start: 2389, Stop: 2652, Start Num: 117
Candidate Starts for Orange_4:
(Start: 110 @2356 has 194 MA's), (Start: 117 @2389 has 3 MA's), (129, 2446), (168, 2647),

Gene: Ozzie_2 Start: 739, Stop: 1053, Start Num: 109
Candidate Starts for Ozzie_2:
(Start: 109 @739 has 117 MA's), (145, 895),

Gene: OzzyJ_3 Start: 730, Stop: 1041, Start Num: 109

Candidate Starts for OzzyJ_3:

(Start: 40 @589 has 2 MA's), (52, 628), (Start: 109 @730 has 117 MA's), (125, 802), (145, 883),

Gene: P28Green_1 Start: 517, Stop: 819, Start Num: 89

Candidate Starts for P28Green_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: PGHhamlin_3 Start: 526, Stop: 819, Start Num: 97

Candidate Starts for PGHhamlin_3:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: PSullivan_2 Start: 834, Stop: 1130, Start Num: 112

Candidate Starts for PSullivan_2:

(Start: 83 @786 has 1 MA's), (Start: 112 @834 has 299 MA's), (141, 957), (156, 1047), (163, 1083),

Gene: Pablito_2 Start: 689, Stop: 1003, Start Num: 110

Candidate Starts for Pablito_2:

(Start: 110 @689 has 194 MA's), (144, 833), (145, 845), (146, 866),

Gene: PacerPaul_2 Start: 835, Stop: 1131, Start Num: 112

Candidate Starts for PacerPaul_2:

(Start: 83 @787 has 1 MA's), (Start: 112 @835 has 299 MA's), (141, 958), (156, 1048), (163, 1084),

Gene: PackMan_4 Start: 2335, Stop: 2628, Start Num: 110

Candidate Starts for PackMan_4:

(Start: 86 @2308 has 3 MA's), (Start: 110 @2335 has 194 MA's), (137, 2437), (141, 2455),

Gene: Paedore_3 Start: 682, Stop: 996, Start Num: 110

Candidate Starts for Paedore_3:

(Start: 71 @604 has 1 MA's), (104, 673), (Start: 110 @682 has 194 MA's), (144, 826), (145, 838),

Gene: PainterBoy_4 Start: 2125, Stop: 2418, Start Num: 110

Candidate Starts for PainterBoy_4:

(Start: 110 @2125 has 194 MA's), (123, 2191), (137, 2227), (141, 2245), (144, 2257),

Gene: Paolo_3 Start: 1034, Stop: 1348, Start Num: 110

Candidate Starts for Paolo_3:

(42, 881), (Start: 71 @962 has 1 MA's), (Start: 103 @1028 has 2 MA's), (Start: 110 @1034 has 194 MA's), (123, 1103), (144, 1178),

Gene: Papez_2 Start: 785, Stop: 1129, Start Num: 83

Candidate Starts for Papez_2:

(Start: 83 @785 has 1 MA's), (Start: 112 @833 has 299 MA's), (126, 908), (141, 956), (156, 1046), (163, 1082),

Gene: Paphu_1 Start: 597, Stop: 893, Start Num: 112

Candidate Starts for Paphu_1:

(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Paraselene_1 Start: 597, Stop: 893, Start Num: 112

Candidate Starts for Paraselene_1:

(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Pari_2 Start: 735, Stop: 1031, Start Num: 112

Candidate Starts for Pari_2:

(Start: 112 @735 has 299 MA's), (141, 858), (156, 948), (163, 984),

Gene: Parliament_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for Parliament_1:

(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: PascalRango_2 Start: 747, Stop: 1043, Start Num: 112

Candidate Starts for PascalRango_2:

(Start: 112 @747 has 299 MA's), (141, 870), (156, 960), (163, 996),

Gene: PattyP_2 Start: 748, Stop: 1044, Start Num: 112

Candidate Starts for PattyP_2:

(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: Pavo_3 Start: 974, Stop: 1288, Start Num: 110

Candidate Starts for Pavo_3:

(27, 770), (28, 773), (Start: 40 @815 has 2 MA's), (41, 824), (67, 875), (104, 968), (Start: 110 @974 has 194 MA's), (123, 1043), (144, 1118), (146, 1151),

Gene: Pawn_1 Start: 522, Stop: 824, Start Num: 89

Candidate Starts for Pawn_1:

(Start: 89 @522 has 31 MA's), (Start: 97 @531 has 63 MA's), (123, 597),

Gene: Payneful_2 Start: 748, Stop: 1044, Start Num: 112

Candidate Starts for Payneful_2:

(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: PeaceMeal1_1 Start: 474, Stop: 770, Start Num: 97

Candidate Starts for PeaceMeal1_1:

(24, 270), (Start: 97 @474 has 63 MA's), (144, 609),

Gene: Pelly_2 Start: 782, Stop: 1078, Start Num: 112

Candidate Starts for Pelly_2:

(Start: 112 @782 has 299 MA's), (141, 905), (156, 995), (163, 1031),

Gene: Pembroke_1 Start: 517, Stop: 819, Start Num: 89

Candidate Starts for Pembroke_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Penny1_1 Start: 526, Stop: 819, Start Num: 97

Candidate Starts for Penny1_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Pepe_2 Start: 860, Stop: 1165, Start Num: 112

Candidate Starts for Pepe_2:

(Start: 83 @812 has 1 MA's), (Start: 112 @860 has 299 MA's), (141, 983), (156, 1073), (163, 1109),

Gene: Percival_75 Start: 46934, Stop: 47236, Start Num: 109

Candidate Starts for Percival_75:

(Start: 109 @46934 has 117 MA's), (123, 47000), (139, 47051), (144, 47075),

Gene: Perseus_1 Start: 595, Stop: 891, Start Num: 112

Candidate Starts for Perseus_1:

(Start: 77 @532 has 4 MA's), (Start: 91 @568 has 3 MA's), (Start: 99 @577 has 1 MA's), (Start: 108 @592 has 2 MA's), (Start: 112 @595 has 299 MA's), (141, 718), (156, 808), (163, 844),

Gene: Peterson_1 Start: 599, Stop: 895, Start Num: 112

Candidate Starts for Peterson_1:

(Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: Petp2012_2 Start: 748, Stop: 1044, Start Num: 112

Candidate Starts for Petp2012_2:

(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: Petruccio_2 Start: 749, Stop: 1045, Start Num: 112

Candidate Starts for Petruccio_2:

(Start: 112 @749 has 299 MA's), (141, 872), (156, 962), (163, 998),

Gene: PetterN_1 Start: 502, Stop: 801, Start Num: 94

Candidate Starts for PetterN_1:

(Start: 94 @502 has 25 MA's), (Start: 114 @517 has 1 MA's), (137, 610), (159, 751), (168, 796),

Gene: Ph8s_4 Start: 2160, Stop: 2456, Start Num: 110

Candidate Starts for Ph8s_4:

(73, 2076), (Start: 110 @2160 has 194 MA's), (146, 2328),

Gene: Phaded_4 Start: 2109, Stop: 2405, Start Num: 110

Candidate Starts for Phaded_4:

(Start: 110 @2109 has 194 MA's), (131, 2208), (151, 2304),

Gene: Phaeder_4 Start: 2335, Stop: 2628, Start Num: 110

Candidate Starts for Phaeder_4:

(Start: 86 @2308 has 3 MA's), (Start: 110 @2335 has 194 MA's), (137, 2437), (141, 2455),

Gene: Phantastic_1 Start: 425, Stop: 721, Start Num: 96

Candidate Starts for Phantastic_1:

(93, 422), (Start: 96 @425 has 3 MA's), (144, 560),

Gene: Pharaoh_4 Start: 2218, Stop: 2514, Start Num: 111

Candidate Starts for Pharaoh_4:

(Start: 111 @2218 has 4 MA's), (140, 2335),

Gene: PherrisBueller_2 Start: 863, Stop: 1171, Start Num: 112

Candidate Starts for PherrisBueller_2:

(Start: 83 @815 has 1 MA's), (Start: 112 @863 has 299 MA's), (141, 986), (156, 1076), (163, 1112),

Gene: Phettuccine_2 Start: 740, Stop: 1054, Start Num: 109

Candidate Starts for Phettuccine_2:

(42, 629), (61, 656), (Start: 109 @740 has 117 MA's), (145, 896),

Gene: Phillis_1 Start: 505, Stop: 798, Start Num: 112

Candidate Starts for Phillis_1:

(Start: 112 @505 has 299 MA's), (129, 592), (147, 679), (163, 757), (168, 793),

Gene: PhineBark_1 Start: 581, Stop: 895, Start Num: 99

Candidate Starts for PhineBark_1:

(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: PhinkBoden_15 Start: 3766, Stop: 4074, Start Num: 113

Candidate Starts for PhinkBoden_15:

(95, 3736), (Start: 113 @3766 has 26 MA's), (Start: 161 @4030 has 1 MA's),

Gene: PhishRPhriends_1 Start: 531, Stop: 824, Start Num: 97

Candidate Starts for PhishRPhriends_1:

(Start: 89 @522 has 31 MA's), (Start: 97 @531 has 63 MA's), (123, 597),

Gene: Phives_70 Start: 43835, Stop: 44137, Start Num: 109

Candidate Starts for Phives_70:

(Start: 109 @43835 has 117 MA's), (123, 43901), (139, 43952), (150, 44027), (167, 44126),

Gene: Phlippers_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for Phlippers_1:

(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Phlorence_1 Start: 534, Stop: 833, Start Num: 94

Candidate Starts for Phlorence_1:

(32, 372), (Start: 94 @534 has 25 MA's), (137, 642), (147, 714), (159, 783), (168, 828),

Gene: Phoebe_1 Start: 517, Stop: 819, Start Num: 89

Candidate Starts for Phoebe_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Phonnegut_4 Start: 2335, Stop: 2628, Start Num: 110

Candidate Starts for Phonnegut_4:

(Start: 86 @2308 has 3 MA's), (Start: 110 @2335 has 194 MA's), (137, 2437), (141, 2455),

Gene: Phoxy_1 Start: 527, Stop: 820, Start Num: 97

Candidate Starts for Phoxy_1:

(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Phranny_2 Start: 531, Stop: 824, Start Num: 97

Candidate Starts for Phranny_2:

(Start: 89 @522 has 31 MA's), (Start: 97 @531 has 63 MA's), (123, 597),

Gene: PhrostyMug_1 Start: 532, Stop: 891, Start Num: 77

Candidate Starts for PhrostyMug_1:

(Start: 77 @532 has 4 MA's), (Start: 91 @568 has 3 MA's), (Start: 99 @577 has 1 MA's), (Start: 108 @592 has 2 MA's), (Start: 112 @595 has 299 MA's), (141, 718), (156, 808), (163, 844),

Gene: PickleBack_1 Start: 535, Stop: 834, Start Num: 94
Candidate Starts for PickleBack_1:
(Start: 94 @535 has 25 MA's), (137, 643), (147, 715), (159, 784), (168, 829),

Gene: PinkPlastic_1 Start: 597, Stop: 893, Start Num: 112
Candidate Starts for PinkPlastic_1:
(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (149, 774), (156, 810), (163, 846),

Gene: Pinto_1 Start: 535, Stop: 894, Start Num: 77
Candidate Starts for Pinto_1:
(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Pioneer_4 Start: 2335, Stop: 2628, Start Num: 110
Candidate Starts for Pioneer_4:
(Start: 86 @2308 has 3 MA's), (Start: 110 @2335 has 194 MA's), (137, 2437), (141, 2455),

Gene: Pippin_2 Start: 749, Stop: 1057, Start Num: 112
Candidate Starts for Pippin_2:
(Start: 112 @749 has 299 MA's), (141, 872), (156, 962), (163, 998),

Gene: Piro94_4 Start: 2628, Stop: 2924, Start Num: 112
Candidate Starts for Piro94_4:
(35, 2427), (Start: 112 @2628 has 299 MA's),

Gene: Pistachio_1 Start: 420, Stop: 716, Start Num: 112
Candidate Starts for Pistachio_1:
(Start: 112 @420 has 299 MA's), (144, 555),

Gene: Pita2_2 Start: 834, Stop: 1130, Start Num: 112
Candidate Starts for Pita2_2:
(Start: 83 @786 has 1 MA's), (Start: 112 @834 has 299 MA's), (141, 957), (156, 1047), (163, 1083),

Gene: Pixelle_68 Start: 43980, Stop: 44282, Start Num: 109
Candidate Starts for Pixelle_68:
(Start: 109 @43980 has 117 MA's), (123, 44046), (139, 44097), (150, 44172), (167, 44271),

Gene: Pmask_4 Start: 2143, Stop: 2439, Start Num: 110
Candidate Starts for Pmask_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Pocahontas_1 Start: 445, Stop: 741, Start Num: 112
Candidate Starts for Pocahontas_1:
(Start: 112 @445 has 299 MA's), (144, 580),

Gene: Poise_93 Start: 48691, Stop: 49017, Start Num: 98
Candidate Starts for Poise_93:
(84, 48664), (Start: 98 @48691 has 14 MA's), (Start: 115 @48733 has 4 MA's), (124, 48778), (140, 48838), (148, 48898), (158, 48958),

Gene: Pomar16_4 Start: 2345, Stop: 2641, Start Num: 110
Candidate Starts for Pomar16_4:

(Start: 110 @2345 has 194 MA's),

Gene: Poompha_1 Start: 472, Stop: 768, Start Num: 97

Candidate Starts for Poompha_1:

(20, 247), (Start: 97 @472 has 63 MA's), (144, 607),

Gene: PotatoSplit_2 Start: 517, Stop: 819, Start Num: 89

Candidate Starts for PotatoSplit_2:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Poushou_54 Start: 39982, Stop: 40287, Start Num: 113

Candidate Starts for Poushou_54:

(Start: 113 @39982 has 26 MA's), (128, 40057), (133, 40078), (146, 40159),

Gene: Power_5 Start: 2567, Stop: 2863, Start Num: 112

Candidate Starts for Power_5:

(Start: 112 @2567 has 299 MA's), (141, 2690),

Gene: Powerpuff_71 Start: 44281, Stop: 44583, Start Num: 109

Candidate Starts for Powerpuff_71:

(Start: 109 @44281 has 117 MA's), (120, 44332), (123, 44347), (139, 44398), (150, 44473), (167, 44572),

Gene: Priamo_4 Start: 2158, Stop: 2454, Start Num: 110

Candidate Starts for Priamo_4:

(Start: 110 @2158 has 194 MA's), (144, 2293),

Gene: Pringar_88 Start: 48479, Stop: 48805, Start Num: 98

Candidate Starts for Pringar_88:

(Start: 91 @48473 has 3 MA's), (Start: 98 @48479 has 14 MA's), (Start: 115 @48521 has 4 MA's), (124, 48566), (140, 48626), (148, 48686), (158, 48746),

Gene: Priya_4 Start: 2332, Stop: 2625, Start Num: 110

Candidate Starts for Priya_4:

(Start: 86 @2305 has 3 MA's), (Start: 110 @2332 has 194 MA's), (137, 2434), (141, 2452),

Gene: ProMouse_1 Start: 596, Stop: 892, Start Num: 112

Candidate Starts for ProMouse_1:

(Start: 77 @533 has 4 MA's), (Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (163, 845),

Gene: Provolone_4 Start: 978, Stop: 1292, Start Num: 110

Candidate Starts for Provolone_4:

(37, 825), (51, 858), (56, 864), (59, 870), (104, 972), (Start: 110 @978 has 194 MA's), (123, 1047), (144, 1122), (146, 1155),

Gene: Puginator_3 Start: 1036, Stop: 1350, Start Num: 110

Candidate Starts for Puginator_3:

(42, 883), (Start: 71 @964 has 1 MA's), (Start: 103 @1030 has 2 MA's), (Start: 110 @1036 has 194 MA's), (123, 1105), (144, 1180),

Gene: Pukovnik_4 Start: 2088, Stop: 2384, Start Num: 110

Candidate Starts for Pukovnik_4:

(Start: 110 @2088 has 194 MA's), (151, 2283),

Gene: Puppy_1 Start: 420, Stop: 716, Start Num: 112

Candidate Starts for Puppy_1:

(Start: 112 @420 has 299 MA's), (144, 555),

Gene: PurpleHaze_1 Start: 522, Stop: 824, Start Num: 89

Candidate Starts for PurpleHaze_1:

(Start: 89 @522 has 31 MA's), (Start: 97 @531 has 63 MA's), (123, 597),

Gene: QTRlifeCrisis_1 Start: 597, Stop: 893, Start Num: 112

Candidate Starts for QTRlifeCrisis_1:

(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Qobbit_4 Start: 2305, Stop: 2625, Start Num: 86

Candidate Starts for Qobbit_4:

(Start: 86 @2305 has 3 MA's), (Start: 110 @2332 has 194 MA's), (137, 2434), (141, 2452),

Gene: QueenB2_5 Start: 2671, Stop: 2967, Start Num: 112

Candidate Starts for QueenB2_5:

(Start: 112 @2671 has 299 MA's), (141, 2794),

Gene: QueenBeesly_5 Start: 2568, Stop: 2864, Start Num: 112

Candidate Starts for QueenBeesly_5:

(Start: 112 @2568 has 299 MA's), (141, 2691),

Gene: R4_1 Start: 671, Stop: 985, Start Num: 110

Candidate Starts for R4_1:

(31, 464), (Start: 71 @593 has 1 MA's), (104, 662), (Start: 110 @671 has 194 MA's), (144, 815), (145, 827),

Gene: Rachaly_5 Start: 2538, Stop: 2834, Start Num: 112

Candidate Starts for Rachaly_5:

(Start: 112 @2538 has 299 MA's),

Gene: Raela_94 Start: 49242, Stop: 49568, Start Num: 98

Candidate Starts for Raela_94:

(84, 49215), (Start: 98 @49242 has 14 MA's), (Start: 115 @49284 has 4 MA's), (124, 49329), (140, 49389), (148, 49449), (158, 49509),

Gene: Rahalelujah_4 Start: 2102, Stop: 2395, Start Num: 110

Candidate Starts for Rahalelujah_4:

(Start: 110 @2102 has 194 MA's), (137, 2204), (141, 2222),

Gene: Raid_3 Start: 783, Stop: 1079, Start Num: 112

Candidate Starts for Raid_3:

(Start: 112 @783 has 299 MA's), (141, 906), (156, 996), (163, 1032),

Gene: Rajelicia_2 Start: 750, Stop: 1046, Start Num: 112

Candidate Starts for Rajelicia_2:

(Start: 112 @750 has 299 MA's), (141, 873), (156, 963), (163, 999),

Gene: Rana_2 Start: 726, Stop: 1037, Start Num: 109
Candidate Starts for Rana_2:
(Start: 40 @591 has 2 MA's), (Start: 109 @726 has 117 MA's), (125, 798), (132, 828), (145, 879),

Gene: ReMo_4 Start: 2278, Stop: 2574, Start Num: 110
Candidate Starts for ReMo_4:
(Start: 110 @2278 has 194 MA's), (129, 2368),

Gene: Reba_2 Start: 531, Stop: 824, Start Num: 97
Candidate Starts for Reba_2:
(Start: 89 @522 has 31 MA's), (Start: 97 @531 has 63 MA's), (123, 597),

Gene: RedBear_3 Start: 726, Stop: 1040, Start Num: 109
Candidate Starts for RedBear_3:
(39, 582), (Start: 109 @726 has 117 MA's), (125, 798), (145, 882),

Gene: RedRaider77_92 Start: 48636, Stop: 48962, Start Num: 98
Candidate Starts for RedRaider77_92:
(84, 48609), (Start: 98 @48636 has 14 MA's), (Start: 115 @48678 has 4 MA's), (124, 48723), (140, 48783), (148, 48843), (158, 48903),

Gene: RedRock_4 Start: 2278, Stop: 2574, Start Num: 112
Candidate Starts for RedRock_4:
(Start: 112 @2278 has 299 MA's), (141, 2401),

Gene: Reedo_68 Start: 41440, Stop: 41742, Start Num: 109
Candidate Starts for Reedo_68:
(Start: 109 @41440 has 117 MA's), (121, 41500), (123, 41506), (139, 41557), (150, 41632), (167, 41731), (168, 41734),

Gene: Refuge_4 Start: 2250, Stop: 2546, Start Num: 112
Candidate Starts for Refuge_4:
(Start: 112 @2250 has 299 MA's),

Gene: Remus_4 Start: 2278, Stop: 2574, Start Num: 110
Candidate Starts for Remus_4:
(Start: 110 @2278 has 194 MA's),

Gene: ResDef_1 Start: 445, Stop: 741, Start Num: 112
Candidate Starts for ResDef_1:
(Start: 112 @445 has 299 MA's), (144, 580),

Gene: Retro23_5 Start: 2671, Stop: 2967, Start Num: 112
Candidate Starts for Retro23_5:
(Start: 112 @2671 has 299 MA's), (141, 2794),

Gene: RhynO_1 Start: 474, Stop: 770, Start Num: 97
Candidate Starts for RhynO_1:
(Start: 97 @474 has 63 MA's), (144, 609),

Gene: Rhynn_1 Start: 748, Stop: 1044, Start Num: 112
Candidate Starts for Rhynn_1:
(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: RidgeCB_2 Start: 748, Stop: 1044, Start Num: 112
Candidate Starts for RidgeCB_2:
(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: Rifter_4 Start: 2132, Stop: 2428, Start Num: 110
Candidate Starts for Rifter_4:
(Start: 110 @2132 has 194 MA's), (144, 2267),

Gene: Ringer_1 Start: 597, Stop: 893, Start Num: 112
Candidate Starts for Ringer_1:
(Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 108 @594 has 2 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Roary_1 Start: 505, Stop: 798, Start Num: 112
Candidate Starts for Roary_1:
(Start: 112 @505 has 299 MA's), (129, 592), (147, 679), (163, 757), (168, 793),

Gene: Rohr_2 Start: 832, Stop: 1128, Start Num: 112
Candidate Starts for Rohr_2:
(Start: 83 @784 has 1 MA's), (Start: 112 @832 has 299 MA's), (141, 955), (156, 1045), (163, 1081),

Gene: Roksolana_4 Start: 2143, Stop: 2439, Start Num: 110
Candidate Starts for Roksolana_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Rosalind_4 Start: 2425, Stop: 2721, Start Num: 110
Candidate Starts for Rosalind_4:
(Start: 110 @2425 has 194 MA's), (129, 2515),

Gene: Rubeus_2 Start: 748, Stop: 1044, Start Num: 112
Candidate Starts for Rubeus_2:
(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: Rufus_2 Start: 747, Stop: 1043, Start Num: 112
Candidate Starts for Rufus_2:
(Start: 112 @747 has 299 MA's), (141, 870), (156, 960), (163, 996),

Gene: Rummer_1 Start: 518, Stop: 820, Start Num: 89
Candidate Starts for Rummer_1:
(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Ruotula_2 Start: 1335, Stop: 1625, Start Num: 115
Candidate Starts for Ruotula_2:
(9, 900), (16, 1008), (17, 1017), (54, 1173), (56, 1182), (58, 1185), (Start: 115 @1335 has 4 MA's), (118, 1362), (156, 1542), (163, 1578),

Gene: Rusticus_2 Start: 746, Stop: 1060, Start Num: 109
Candidate Starts for Rusticus_2:
(69, 668), (Start: 109 @746 has 117 MA's), (145, 902),

Gene: Rutherford_1 Start: 597, Stop: 893, Start Num: 112
Candidate Starts for Rutherford_1:

(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: RyeScarlet_5 Start: 2335, Stop: 2628, Start Num: 110

Candidate Starts for RyeScarlet_5:

(Start: 86 @2308 has 3 MA's), (Start: 110 @2335 has 194 MA's), (137, 2437), (141, 2455),

Gene: SPB78_77 Start: 49993, Stop: 50292, Start Num: 108

Candidate Starts for SPB78_77:

(Start: 108 @49993 has 2 MA's), (120, 50050), (138, 50110),

Gene: STLscum_2 Start: 861, Stop: 1166, Start Num: 112

Candidate Starts for STLscum_2:

(Start: 83 @813 has 1 MA's), (Start: 112 @861 has 299 MA's), (141, 984), (156, 1074), (163, 1110),

Gene: Sabia_1 Start: 518, Stop: 820, Start Num: 89

Candidate Starts for Sabia_1:

(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Sabinator_1 Start: 526, Stop: 819, Start Num: 97

Candidate Starts for Sabinator_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Saftant_2 Start: 978, Stop: 1292, Start Num: 110

Candidate Starts for Saftant_2:

(43, 831), (55, 855), (60, 864), (104, 969), (106, 972), (Start: 110 @978 has 194 MA's), (144, 1122),

Gene: Sagefire_2 Start: 699, Stop: 995, Start Num: 112

Candidate Starts for Sagefire_2:

(Start: 112 @699 has 299 MA's), (141, 822), (156, 912), (163, 948),

Gene: Saintus_1 Start: 505, Stop: 798, Start Num: 112

Candidate Starts for Saintus_1:

(Start: 112 @505 has 299 MA's), (129, 592), (147, 679), (163, 757), (168, 793),

Gene: Salz_4 Start: 2356, Stop: 2652, Start Num: 110

Candidate Starts for Salz_4:

(Start: 110 @2356 has 194 MA's), (Start: 117 @2389 has 3 MA's), (129, 2446), (168, 2647),

Gene: Samy_101 Start: 60454, Stop: 60759, Start Num: 109

Candidate Starts for Samy_101:

(Start: 109 @60454 has 117 MA's), (131, 60550), (139, 60571), (144, 60595), (146, 60628), (160, 60712), (162, 60718),

Gene: Sanya_1 Start: 1334, Stop: 1624, Start Num: 115

Candidate Starts for Sanya_1:

(9, 899), (17, 1016), (54, 1172), (56, 1181), (58, 1184), (Start: 115 @1334 has 4 MA's), (118, 1361), (156, 1541), (163, 1577),

Gene: SarFire_2 Start: 757, Stop: 1053, Start Num: 112

Candidate Starts for SarFire_2:

(Start: 112 @757 has 299 MA's), (141, 880), (156, 970), (163, 1006),

Gene: SarahRose_2 Start: 729, Stop: 1040, Start Num: 109
Candidate Starts for SarahRose_2:
(Start: 40 @588 has 2 MA's), (52, 627), (Start: 109 @729 has 117 MA's), (125, 801), (145, 882),

Gene: Scherzo_4 Start: 2335, Stop: 2628, Start Num: 110
Candidate Starts for Scherzo_4:
(Start: 86 @2308 has 3 MA's), (Start: 110 @2335 has 194 MA's), (137, 2437), (141, 2455),

Gene: Scorpia_1 Start: 502, Stop: 801, Start Num: 94
Candidate Starts for Scorpia_1:
(Start: 94 @502 has 25 MA's), (Start: 114 @517 has 1 MA's), (137, 610), (159, 751), (168, 796),

Gene: Scout_1 Start: 416, Stop: 712, Start Num: 96
Candidate Starts for Scout_1:
(47, 293), (90, 410), (Start: 96 @416 has 3 MA's), (144, 551),

Gene: Scowl_2 Start: 986, Stop: 1294, Start Num: 112
Candidate Starts for Scowl_2:
(Start: 112 @986 has 299 MA's), (141, 1109), (156, 1199), (163, 1235),

Gene: Seabiscuit_2 Start: 749, Stop: 1045, Start Num: 112
Candidate Starts for Seabiscuit_2:
(Start: 112 @749 has 299 MA's), (141, 872), (149, 926), (156, 962), (163, 998),

Gene: Seanderson_1 Start: 600, Stop: 896, Start Num: 112
Candidate Starts for Seanderson_1:
(Start: 77 @537 has 4 MA's), (Start: 91 @573 has 3 MA's), (Start: 99 @582 has 1 MA's), (Start: 112 @600 has 299 MA's), (141, 723), (156, 813), (163, 849),

Gene: SemperFi_5 Start: 2562, Stop: 2858, Start Num: 112
Candidate Starts for SemperFi_5:
(Start: 112 @2562 has 299 MA's), (141, 2685),

Gene: Serenity_4 Start: 2328, Stop: 2624, Start Num: 110
Candidate Starts for Serenity_4:
(Start: 110 @2328 has 194 MA's),

Gene: Severus_1 Start: 472, Stop: 768, Start Num: 97
Candidate Starts for Severus_1:
(20, 247), (Start: 97 @472 has 63 MA's), (144, 607),

Gene: ShakeltOph_72 Start: 43243, Stop: 43605, Start Num: 105
Candidate Starts for ShakeltOph_72:
(53, 43126), (Start: 105 @43243 has 2 MA's), (121, 43312), (123, 43318), (164, 43513), (170, 43555),

Gene: Sham4_4 Start: 2359, Stop: 2655, Start Num: 110
Candidate Starts for Sham4_4:
(Start: 110 @2359 has 194 MA's), (Start: 117 @2392 has 3 MA's), (129, 2449), (168, 2650),

Gene: ShayRa_5 Start: 2425, Stop: 2721, Start Num: 110
Candidate Starts for ShayRa_5:
(Start: 110 @2425 has 194 MA's), (129, 2515),

Gene: SheaKeira_4 Start: 2123, Stop: 2416, Start Num: 110
Candidate Starts for SheaKeira_4:
(Start: 110 @2123 has 194 MA's), (129, 2210), (137, 2225), (141, 2243),

Gene: Sheen_1 Start: 397, Stop: 693, Start Num: 103
Candidate Starts for Sheen_1:
(63, 301), (Start: 103 @397 has 2 MA's), (159, 643),

Gene: ShortQueendom_1 Start: 599, Stop: 895, Start Num: 112
Candidate Starts for ShortQueendom_1:
(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: Sibs6_2 Start: 748, Stop: 1044, Start Num: 112
Candidate Starts for Sibs6_2:
(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: SkiPole_2 Start: 861, Stop: 1166, Start Num: 112
Candidate Starts for SkiPole_2:
(Start: 83 @813 has 1 MA's), (Start: 112 @861 has 299 MA's), (141, 984), (156, 1074), (163, 1110),

Gene: Sknot_6 Start: 2624, Stop: 2920, Start Num: 112
Candidate Starts for Sknot_6:
(35, 2423), (Start: 112 @2624 has 299 MA's),

Gene: Slagathor_2 Start: 750, Stop: 1046, Start Num: 112
Candidate Starts for Slagathor_2:
(Start: 112 @750 has 299 MA's), (141, 873), (156, 963), (163, 999),

Gene: Smairt_1 Start: 595, Stop: 891, Start Num: 112
Candidate Starts for Smairt_1:
(Start: 77 @532 has 4 MA's), (Start: 91 @568 has 3 MA's), (Start: 99 @577 has 1 MA's), (Start: 108 @592 has 2 MA's), (Start: 112 @595 has 299 MA's), (141, 718), (156, 808), (163, 844),

Gene: Smeadley_1 Start: 505, Stop: 798, Start Num: 112
Candidate Starts for Smeadley_1:
(Start: 112 @505 has 299 MA's), (129, 592), (147, 679), (163, 757), (168, 793),

Gene: Smeagan_5 Start: 2550, Stop: 2846, Start Num: 112
Candidate Starts for Smeagan_5:
(Start: 112 @2550 has 299 MA's), (141, 2673),

Gene: Smeagol_1 Start: 596, Stop: 892, Start Num: 112
Candidate Starts for Smeagol_1:
(92, 569), (100, 578), (Start: 112 @596 has 299 MA's), (141, 719), (156, 809), (163, 845),

Gene: SmellyB_4 Start: 2143, Stop: 2439, Start Num: 110
Candidate Starts for SmellyB_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Smoothie_14 Start: 3268, Stop: 3576, Start Num: 113
Candidate Starts for Smoothie_14:
(95, 3238), (Start: 113 @3268 has 26 MA's), (150, 3460), (Start: 161 @3532 has 1 MA's),

Gene: SnapTap_5 Start: 2567, Stop: 2863, Start Num: 112

Candidate Starts for SnapTap_5:

(Start: 112 @2567 has 299 MA's), (141, 2690),

Gene: Snape_4 Start: 2362, Stop: 2658, Start Num: 110

Candidate Starts for Snape_4:

(Start: 110 @2362 has 194 MA's), (Start: 117 @2395 has 3 MA's), (129, 2452), (168, 2653),

Gene: Snazzy_1 Start: 595, Stop: 891, Start Num: 112

Candidate Starts for Snazzy_1:

(Start: 77 @532 has 4 MA's), (Start: 91 @568 has 3 MA's), (Start: 99 @577 has 1 MA's), (Start: 112 @595 has 299 MA's), (141, 718), (156, 808), (163, 844),

Gene: Snek_68 Start: 40495, Stop: 40800, Start Num: 109

Candidate Starts for Snek_68:

(Start: 109 @40495 has 117 MA's), (121, 40555), (123, 40561), (139, 40612), (167, 40786),

Gene: Snorlax_2 Start: 729, Stop: 1040, Start Num: 109

Candidate Starts for Snorlax_2:

(Start: 40 @588 has 2 MA's), (52, 627), (Start: 109 @729 has 117 MA's), (125, 801), (145, 882),

Gene: SoilDragon_1 Start: 517, Stop: 819, Start Num: 89

Candidate Starts for SoilDragon_1:

(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Solon_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for Solon_1:

(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Soondubu_62 Start: 44779, Stop: 45078, Start Num: 109

Candidate Starts for Soondubu_62:

(50, 44641), (Start: 109 @44779 has 117 MA's), (123, 44845), (139, 44896), (167, 45070),

Gene: SororFago_4 Start: 2399, Stop: 2695, Start Num: 112

Candidate Starts for SororFago_4:

(Start: 112 @2399 has 299 MA's), (139, 2510),

Gene: Sorpresa_1 Start: 599, Stop: 895, Start Num: 112

Candidate Starts for Sorpresa_1:

(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 112 @599 has 299 MA's), (Start: 117 @632 has 3 MA's), (141, 722), (156, 812), (163, 848),

Gene: Soshari_3 Start: 518, Stop: 820, Start Num: 89

Candidate Starts for Soshari_3:

(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Soups_4 Start: 2425, Stop: 2721, Start Num: 110

Candidate Starts for Soups_4:

(Start: 110 @2425 has 194 MA's),

Gene: South40_2 Start: 726, Stop: 1040, Start Num: 109

Candidate Starts for South40_2:
(39, 582), (Start: 109 @726 has 117 MA's), (125, 798), (145, 882),

Gene: SpeedDemon_90 Start: 4494, Stop: 4802, Start Num: 113
Candidate Starts for SpeedDemon_90:
(Start: 113 @4494 has 26 MA's), (127, 4566), (143, 4632),

Gene: Speedwell_3 Start: 947, Stop: 1261, Start Num: 110
Candidate Starts for Speedwell_3:
(22, 725), (Start: 34 @764 has 1 MA's), (104, 938), (106, 941), (Start: 110 @947 has 194 MA's), (144, 1091),

Gene: Spike509_1 Start: 527, Stop: 820, Start Num: 97
Candidate Starts for Spike509_1:
(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: SpikeBT_1 Start: 596, Stop: 892, Start Num: 112
Candidate Starts for SpikeBT_1:
(Start: 77 @533 has 4 MA's), (Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (156, 809), (163, 845),

Gene: Spouty_4 Start: 2332, Stop: 2625, Start Num: 110
Candidate Starts for Spouty_4:
(Start: 86 @2305 has 3 MA's), (Start: 110 @2332 has 194 MA's), (137, 2434), (141, 2452),

Gene: SqueakyClean_3 Start: 1027, Stop: 1341, Start Num: 110
Candidate Starts for SqueakyClean_3:
(Start: 110 @1027 has 194 MA's), (123, 1096), (144, 1171),

Gene: Squee_1 Start: 606, Stop: 902, Start Num: 112
Candidate Starts for Squee_1:
(Start: 77 @543 has 4 MA's), (Start: 91 @579 has 3 MA's), (Start: 99 @588 has 1 MA's), (Start: 112 @606 has 299 MA's), (141, 729), (156, 819), (163, 855),

Gene: Stagni_1 Start: 527, Stop: 820, Start Num: 97
Candidate Starts for Stagni_1:
(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: StarStuff_4 Start: 2345, Stop: 2641, Start Num: 110
Candidate Starts for StarStuff_4:
(Start: 110 @2345 has 194 MA's),

Gene: Steamy_4 Start: 2222, Stop: 2518, Start Num: 112
Candidate Starts for Steamy_4:
(Start: 112 @2222 has 299 MA's), (123, 2288),

Gene: StepMih_1 Start: 527, Stop: 820, Start Num: 97
Candidate Starts for StepMih_1:
(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: StepHig9_1 Start: 506, Stop: 799, Start Num: 112
Candidate Starts for StepHig9_1:
(Start: 112 @506 has 299 MA's), (129, 593), (147, 680), (163, 758), (168, 794),

Gene: StewieG_1 Start: 597, Stop: 893, Start Num: 112

Candidate Starts for StewieG_1:

(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: Stink_1 Start: 356, Stop: 763, Start Num: 65

Candidate Starts for Stink_1:

(Start: 65 @356 has 2 MA's), (123, 536), (163, 722),

Gene: StrongArm_1 Start: 599, Stop: 895, Start Num: 112

Candidate Starts for StrongArm_1:

(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 108 @596 has 2 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: Strosahl_4 Start: 2278, Stop: 2574, Start Num: 110

Candidate Starts for Strosahl_4:

(Start: 110 @2278 has 194 MA's),

Gene: SuMoo_83 Start: 48762, Stop: 49061, Start Num: 109

Candidate Starts for SuMoo_83:

(11, 48399), (13, 48429), (18, 48498), (Start: 109 @48762 has 117 MA's), (123, 48828), (139, 48879), (150, 48954),

Gene: Subaru_69 Start: 43103, Stop: 43405, Start Num: 109

Candidate Starts for Subaru_69:

(Start: 109 @43103 has 117 MA's), (120, 43154), (123, 43169), (139, 43220), (150, 43295), (167, 43394),

Gene: Sue2_68 Start: 41870, Stop: 42175, Start Num: 109

Candidate Starts for Sue2_68:

(85, 41837), (Start: 109 @41870 has 117 MA's), (123, 41936), (139, 41987), (167, 42161),

Gene: Sujidade_2 Start: 723, Stop: 1034, Start Num: 109

Candidate Starts for Sujidade_2:

(Start: 40 @588 has 2 MA's), (Start: 109 @723 has 117 MA's), (125, 795), (141, 852),

Gene: Sumter_1 Start: 599, Stop: 895, Start Num: 112

Candidate Starts for Sumter_1:

(Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: SunsetPointe_2 Start: 739, Stop: 1053, Start Num: 109

Candidate Starts for SunsetPointe_2:

(Start: 109 @739 has 117 MA's), (145, 895),

Gene: Sunshine924_1 Start: 595, Stop: 891, Start Num: 112

Candidate Starts for Sunshine924_1:

(Start: 77 @532 has 4 MA's), (Start: 91 @568 has 3 MA's), (Start: 99 @577 has 1 MA's), (Start: 112 @595 has 299 MA's), (141, 718), (156, 808), (163, 844),

Gene: SuperAwesome_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for SuperAwesome_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: SuperCallie99_4 Start: 2144, Stop: 2440, Start Num: 110
Candidate Starts for SuperCallie99_4:
(Start: 110 @2144 has 194 MA's), (144, 2279),

Gene: Superchunk_4 Start: 2154, Stop: 2450, Start Num: 110
Candidate Starts for Superchunk_4:
(Start: 110 @2154 has 194 MA's), (151, 2349),

Gene: SweetiePie_5 Start: 2568, Stop: 2864, Start Num: 112
Candidate Starts for SweetiePie_5:
(Start: 112 @2568 has 299 MA's), (141, 2691),

Gene: SwissCheese_1 Start: 596, Stop: 892, Start Num: 112
Candidate Starts for SwissCheese_1:
(Start: 77 @533 has 4 MA's), (Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (149, 773), (156, 809), (163, 845),

Gene: Switzer_2 Start: 747, Stop: 1043, Start Num: 112
Candidate Starts for Switzer_2:
(Start: 112 @747 has 299 MA's), (141, 870), (156, 960), (163, 996),

Gene: Switzerland_4 Start: 2425, Stop: 2721, Start Num: 110
Candidate Starts for Switzerland_4:
(Start: 110 @2425 has 194 MA's), (129, 2515),

Gene: Swole_2 Start: 834, Stop: 1130, Start Num: 112
Candidate Starts for Swole_2:
(Start: 83 @786 has 1 MA's), (Start: 112 @834 has 299 MA's), (141, 957), (156, 1047), (163, 1083),

Gene: TNguyen7_1 Start: 418, Stop: 714, Start Num: 112
Candidate Starts for TNguyen7_1:
(Start: 112 @418 has 299 MA's), (144, 553),

Gene: TagePighter_3 Start: 730, Stop: 1041, Start Num: 109
Candidate Starts for TagePighter_3:
(Start: 40 @589 has 2 MA's), (52, 628), (Start: 109 @730 has 117 MA's), (125, 802), (145, 883),

Gene: Tallboi_69 Start: 43220, Stop: 43522, Start Num: 109
Candidate Starts for Tallboi_69:
(Start: 109 @43220 has 117 MA's), (147, 43403), (167, 43511),

Gene: Target_2 Start: 851, Stop: 1147, Start Num: 112
Candidate Starts for Target_2:
(Start: 83 @803 has 1 MA's), (Start: 112 @851 has 299 MA's), (141, 974), (156, 1064), (163, 1100),

Gene: TarsusIV_5 Start: 2568, Stop: 2864, Start Num: 112
Candidate Starts for TarsusIV_5:
(Start: 112 @2568 has 299 MA's),

Gene: Tasp14_2 Start: 770, Stop: 1066, Start Num: 112
Candidate Starts for Tasp14_2:
(102, 755), (Start: 112 @770 has 299 MA's), (141, 893), (156, 983), (163, 1019),

Gene: Taurus_1 Start: 517, Stop: 819, Start Num: 89
Candidate Starts for Taurus_1:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: Tbone_69 Start: 43742, Stop: 44044, Start Num: 109
Candidate Starts for Tbone_69:
(Start: 109 @43742 has 117 MA's), (120, 43793), (123, 43808), (139, 43859), (150, 43934), (167, 44033),

Gene: Tefunt_2 Start: 643, Stop: 966, Start Num: 103
Candidate Starts for Tefunt_2:
(Start: 103 @643 has 2 MA's), (Start: 110 @652 has 194 MA's), (144, 796), (146, 829),

Gene: Teodoridan_1 Start: 600, Stop: 896, Start Num: 112
Candidate Starts for Teodoridan_1:
(Start: 77 @537 has 4 MA's), (Start: 91 @573 has 3 MA's), (Start: 99 @582 has 1 MA's), (Start: 112 @600 has 299 MA's), (141, 723), (156, 813), (163, 849),

Gene: Terrific_6 Start: 2620, Stop: 2916, Start Num: 112
Candidate Starts for Terrific_6:
(35, 2419), (Start: 112 @2620 has 299 MA's),

Gene: Tesla_88 Start: 48485, Stop: 48811, Start Num: 98
Candidate Starts for Tesla_88:
(84, 48458), (Start: 98 @48485 has 14 MA's), (Start: 115 @48527 has 4 MA's), (124, 48572), (140, 48632), (148, 48692), (158, 48752),

Gene: TforTroy_69 Start: 43283, Stop: 43591, Start Num: 109
Candidate Starts for TforTroy_69:
(25, 43070), (Start: 109 @43283 has 117 MA's), (147, 43466), (150, 43475), (167, 43574),

Gene: TheloniousMonk_2 Start: 748, Stop: 1044, Start Num: 112
Candidate Starts for TheloniousMonk_2:
(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: Thestral_2 Start: 639, Stop: 953, Start Num: 110
Candidate Starts for Thestral_2:
(Start: 110 @639 has 194 MA's), (144, 783),

Gene: Thor_2 Start: 757, Stop: 1053, Start Num: 112
Candidate Starts for Thor_2:
(Start: 112 @757 has 299 MA's), (141, 880), (156, 970), (163, 1006),

Gene: Tian_67 Start: 43915, Stop: 44217, Start Num: 109
Candidate Starts for Tian_67:
(Start: 109 @43915 has 117 MA's), (123, 43981), (139, 44032), (147, 44098), (167, 44206),

Gene: Tiffany_1 Start: 527, Stop: 820, Start Num: 97
Candidate Starts for Tiffany_1:
(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Tiger_1 Start: 534, Stop: 833, Start Num: 94

Candidate Starts for Tiger_1:
(32, 372), (Start: 94 @534 has 25 MA's), (137, 642), (147, 714), (159, 783), (168, 828),

Gene: Timothy_4 Start: 2356, Stop: 2652, Start Num: 110
Candidate Starts for Timothy_4:
(Start: 110 @2356 has 194 MA's), (Start: 117 @2389 has 3 MA's), (129, 2446), (168, 2647),

Gene: Timshel_1 Start: 408, Stop: 704, Start Num: 112
Candidate Starts for Timshel_1:
(62, 297), (Start: 112 @408 has 299 MA's), (159, 654), (165, 672),

Gene: TinaBelcher_2 Start: 639, Stop: 953, Start Num: 110
Candidate Starts for TinaBelcher_2:
(Start: 110 @639 has 194 MA's), (144, 783),

Gene: TinyTimmy_4 Start: 2356, Stop: 2652, Start Num: 110
Candidate Starts for TinyTimmy_4:
(Start: 110 @2356 has 194 MA's), (Start: 117 @2389 has 3 MA's), (129, 2446), (168, 2647),

Gene: TipsytheTRex_4 Start: 2326, Stop: 2622, Start Num: 110
Candidate Starts for TipsytheTRex_4:
(Start: 110 @2326 has 194 MA's),

Gene: Toaka_4 Start: 2356, Stop: 2682, Start Num: 86
Candidate Starts for Toaka_4:
(Start: 86 @2356 has 3 MA's), (Start: 112 @2389 has 299 MA's), (137, 2491), (141, 2509),

Gene: Todacoro_1 Start: 445, Stop: 741, Start Num: 112
Candidate Starts for Todacoro_1:
(Start: 112 @445 has 299 MA's), (144, 580),

Gene: Toma_2 Start: 723, Stop: 1034, Start Num: 109
Candidate Starts for Toma_2:
(Start: 40 @588 has 2 MA's), (Start: 109 @723 has 117 MA's), (125, 795), (132, 825), (141, 852), (150, 915),

Gene: Tomathan_4 Start: 2345, Stop: 2641, Start Num: 110
Candidate Starts for Tomathan_4:
(Start: 110 @2345 has 194 MA's),

Gene: Toniann_14 Start: 3268, Stop: 3576, Start Num: 113
Candidate Starts for Toniann_14:
(95, 3238), (Start: 113 @3268 has 26 MA's), (150, 3460), (Start: 161 @3532 has 1 MA's),

Gene: Topanga_1 Start: 517, Stop: 813, Start Num: 97
Candidate Starts for Topanga_1:
(Start: 97 @517 has 63 MA's),

Gene: Topgun_1 Start: 598, Stop: 894, Start Num: 112
Candidate Starts for Topgun_1:
(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Toro_1 Start: 396, Stop: 692, Start Num: 103
Candidate Starts for Toro_1:
(63, 300), (Start: 103 @396 has 2 MA's), (159, 642),

Gene: Tote_2 Start: 834, Stop: 1130, Start Num: 112
Candidate Starts for Tote_2:
(Start: 83 @786 has 1 MA's), (Start: 112 @834 has 299 MA's), (141, 957), (156, 1047), (163, 1083),

Gene: TouchMeNot_54 Start: 40155, Stop: 40460, Start Num: 113
Candidate Starts for TouchMeNot_54:
(Start: 113 @40155 has 26 MA's), (128, 40230), (133, 40251), (146, 40332),

Gene: Towmatter_9 Start: 2870, Stop: 3172, Start Num: 113
Candidate Starts for Towmatter_9:
(Start: 113 @2870 has 26 MA's), (122, 2927), (123, 2930), (125, 2933), (146, 3038),

Gene: Traft412_3 Start: 1245, Stop: 1541, Start Num: 112
Candidate Starts for Traft412_3:
(Start: 112 @1245 has 299 MA's), (141, 1368), (156, 1458), (163, 1494),

Gene: Travvers_4 Start: 2345, Stop: 2641, Start Num: 110
Candidate Starts for Travvers_4:
(Start: 110 @2345 has 194 MA's),

Gene: Treddle_2 Start: 750, Stop: 1046, Start Num: 112
Candidate Starts for Treddle_2:
(Start: 112 @750 has 299 MA's), (141, 873), (156, 963), (163, 999),

Gene: Tripl3t_1 Start: 598, Stop: 894, Start Num: 112
Candidate Starts for Tripl3t_1:
(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Triste_2 Start: 730, Stop: 1041, Start Num: 109
Candidate Starts for Triste_2:
(Start: 40 @589 has 2 MA's), (52, 628), (Start: 109 @730 has 117 MA's), (125, 802), (145, 883),

Gene: Triumph_3 Start: 679, Stop: 993, Start Num: 110
Candidate Starts for Triumph_3:
(Start: 110 @679 has 194 MA's), (144, 823),

Gene: Trixie_4 Start: 2424, Stop: 2720, Start Num: 112
Candidate Starts for Trixie_4:
(Start: 112 @2424 has 299 MA's),

Gene: Trooper_5 Start: 2370, Stop: 2666, Start Num: 112
Candidate Starts for Trooper_5:
(Start: 112 @2370 has 299 MA's),

Gene: Trouble_1 Start: 534, Stop: 893, Start Num: 77
Candidate Starts for Trouble_1:
(Start: 77 @534 has 4 MA's), (Start: 91 @570 has 3 MA's), (Start: 99 @579 has 1 MA's), (Start: 112 @597 has 299 MA's), (141, 720), (156, 810), (163, 846),

Gene: TrvxScott_2 Start: 639, Stop: 953, Start Num: 110

Candidate Starts for TrvxScott_2:

(Start: 110 @639 has 194 MA's), (144, 783),

Gene: TuanPN_2 Start: 730, Stop: 1041, Start Num: 109

Candidate Starts for TuanPN_2:

(Start: 40 @589 has 2 MA's), (52, 628), (Start: 109 @730 has 117 MA's), (125, 802), (132, 832), (141, 859), (150, 922),

Gene: Tubs_4 Start: 2335, Stop: 2628, Start Num: 110

Candidate Starts for Tubs_4:

(Start: 86 @2308 has 3 MA's), (Start: 110 @2335 has 194 MA's), (137, 2437), (141, 2455),

Gene: Tuck_69 Start: 43623, Stop: 43925, Start Num: 109

Candidate Starts for Tuck_69:

(Start: 109 @43623 has 117 MA's), (123, 43689), (139, 43740), (150, 43815), (167, 43914),

Gene: Tucker_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Tucker_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Turab_68 Start: 42750, Stop: 43052, Start Num: 109

Candidate Starts for Turab_68:

(Start: 109 @42750 has 117 MA's), (120, 42801), (123, 42816), (139, 42867), (150, 42942), (167, 43041),

Gene: Turbido_5 Start: 2551, Stop: 2847, Start Num: 112

Candidate Starts for Turbido_5:

(Start: 112 @2551 has 299 MA's), (141, 2674),

Gene: Turj99_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for Turj99_1:

(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Tutumahutu_71 Start: 43324, Stop: 43626, Start Num: 109

Candidate Starts for Tutumahutu_71:

(Start: 109 @43324 has 117 MA's), (120, 43375), (123, 43390), (139, 43441), (150, 43516), (167, 43615),

Gene: Tweety19_69 Start: 40496, Stop: 40801, Start Num: 109

Candidate Starts for Tweety19_69:

(Start: 109 @40496 has 117 MA's), (121, 40556), (123, 40562), (139, 40613), (167, 40787),

Gene: Twister_1 Start: 463, Stop: 759, Start Num: 97

Candidate Starts for Twister_1:

(Start: 97 @463 has 63 MA's),

Gene: TwoPeat_2 Start: 834, Stop: 1130, Start Num: 112

Candidate Starts for TwoPeat_2:

(Start: 83 @786 has 1 MA's), (Start: 112 @834 has 299 MA's), (141, 957), (156, 1047), (163, 1083),

Gene: U2_2 Start: 749, Stop: 1045, Start Num: 112
Candidate Starts for U2_2:
(Start: 112 @749 has 299 MA's), (141, 872), (156, 962), (163, 998),

Gene: UnionJack_87 Start: 500, Stop: 799, Start Num: 94
Candidate Starts for UnionJack_87:
(Start: 94 @500 has 25 MA's), (Start: 114 @515 has 1 MA's), (137, 608), (147, 680), (159, 749), (168, 794),

Gene: Unstoppable_2 Start: 740, Stop: 1054, Start Num: 109
Candidate Starts for Unstoppable_2:
(42, 629), (61, 656), (Start: 109 @740 has 117 MA's), (145, 896),

Gene: Updawg_5 Start: 2624, Stop: 2920, Start Num: 112
Candidate Starts for Updawg_5:
(35, 2423), (Start: 112 @2624 has 299 MA's),

Gene: Urza_2 Start: 744, Stop: 1058, Start Num: 110
Candidate Starts for Urza_2:
(Start: 110 @744 has 194 MA's), (144, 888),

Gene: UtzChips_77 Start: 46396, Stop: 46695, Start Num: 109
Candidate Starts for UtzChips_77:
(80, 46351), (Start: 109 @46396 has 117 MA's), (135, 46504), (139, 46513),

Gene: VA6_4 Start: 2464, Stop: 2760, Start Num: 112
Candidate Starts for VA6_4:
(Start: 112 @2464 has 299 MA's), (141, 2587),

Gene: VC3_4 Start: 2344, Stop: 2640, Start Num: 110
Candidate Starts for VC3_4:
(Start: 110 @2344 has 194 MA's),

Gene: VResidence_72 Start: 41784, Stop: 42086, Start Num: 109
Candidate Starts for VResidence_72:
(29, 41574), (Start: 109 @41784 has 117 MA's), (123, 41850), (139, 41901), (167, 42075),

Gene: VWB_70 Start: 47259, Stop: 47567, Start Num: 108
Candidate Starts for VWB_70:
(10, 46878), (Start: 108 @47259 has 2 MA's), (153, 47478),

Gene: Vanisoa_4 Start: 2102, Stop: 2395, Start Num: 110
Candidate Starts for Vanisoa_4:
(Start: 110 @2102 has 194 MA's), (123, 2168), (137, 2204), (141, 2222),

Gene: VasuNzinga_90 Start: 48574, Stop: 48900, Start Num: 98
Candidate Starts for VasuNzinga_90:
(84, 48547), (Start: 98 @48574 has 14 MA's), (Start: 115 @48616 has 4 MA's), (124, 48661), (140, 48721), (148, 48781), (158, 48841),

Gene: Verabelle_3 Start: 950, Stop: 1264, Start Num: 110
Candidate Starts for Verabelle_3:
(104, 944), (Start: 110 @950 has 194 MA's), (123, 1019), (144, 1094),

Gene: Verse_2 Start: 955, Stop: 1269, Start Num: 110
Candidate Starts for Verse_2:
(27, 751), (28, 754), (67, 856), (104, 949), (Start: 110 @955 has 194 MA's), (123, 1024), (144, 1099),
(146, 1132),

Gene: VieEnRose_2 Start: 744, Stop: 1058, Start Num: 110
Candidate Starts for VieEnRose_2:
(Start: 110 @744 has 194 MA's), (144, 888),

Gene: Violet_2 Start: 748, Stop: 1044, Start Num: 112
Candidate Starts for Violet_2:
(Start: 112 @748 has 299 MA's), (141, 871), (156, 961), (163, 997),

Gene: Vix_1 Start: 526, Stop: 819, Start Num: 97
Candidate Starts for Vix_1:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: VohminGhazi_4 Start: 2143, Stop: 2439, Start Num: 110
Candidate Starts for VohminGhazi_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: VroomVroom_67 Start: 42799, Stop: 43164, Start Num: 105
Candidate Starts for VroomVroom_67:
(49, 42664), (53, 42673), (Start: 105 @42799 has 2 MA's), (121, 42868), (123, 42874), (164, 43069),
(167, 43099), (170, 43111),

Gene: Waits_4 Start: 2278, Stop: 2574, Start Num: 110
Candidate Starts for Waits_4:
(Start: 110 @2278 has 194 MA's), (129, 2368),

Gene: WalterMcMickey_1 Start: 463, Stop: 759, Start Num: 97
Candidate Starts for WalterMcMickey_1:
(Start: 97 @463 has 63 MA's),

Gene: Warda_70 Start: 43423, Stop: 43725, Start Num: 109
Candidate Starts for Warda_70:
(Start: 109 @43423 has 117 MA's), (120, 43474), (123, 43489), (139, 43540), (150, 43615), (167,
43714),

Gene: Watermelon_2 Start: 736, Stop: 1044, Start Num: 112
Candidate Starts for Watermelon_2:
(Start: 112 @736 has 299 MA's), (141, 859), (156, 949), (163, 985),

Gene: Watson_1 Start: 526, Stop: 819, Start Num: 97
Candidate Starts for Watson_1:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: WeiHuaDA_5 Start: 2558, Stop: 2854, Start Num: 112
Candidate Starts for WeiHuaDA_5:
(Start: 112 @2558 has 299 MA's), (141, 2681),

Gene: Werner_2 Start: 730, Stop: 1041, Start Num: 109

Candidate Starts for Werner_2:
(Start: 40 @589 has 2 MA's), (52, 628), (Start: 109 @730 has 117 MA's), (125, 802), (145, 883),

Gene: Whabigail7_5 Start: 2548, Stop: 2844, Start Num: 112
Candidate Starts for Whabigail7_5:
(Start: 112 @2548 has 299 MA's), (141, 2671),

Gene: Whatever_2 Start: 589, Stop: 1041, Start Num: 40
Candidate Starts for Whatever_2:
(Start: 40 @589 has 2 MA's), (52, 628), (Start: 109 @730 has 117 MA's), (125, 802), (145, 883),

Gene: Wheeler_2 Start: 833, Stop: 1129, Start Num: 112
Candidate Starts for Wheeler_2:
(Start: 83 @785 has 1 MA's), (Start: 112 @833 has 299 MA's), (141, 956), (156, 1046), (163, 1082),

Gene: WideWale_5 Start: 2624, Stop: 2920, Start Num: 112
Candidate Starts for WideWale_5:
(35, 2423), (Start: 112 @2624 has 299 MA's),

Gene: Wiks_4 Start: 2143, Stop: 2439, Start Num: 110
Candidate Starts for Wiks_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Wildwest_65 Start: 43282, Stop: 43584, Start Num: 109
Candidate Starts for Wildwest_65:
(Start: 109 @43282 has 117 MA's), (121, 43342), (139, 43399), (150, 43474), (167, 43573),

Gene: Wilkins_1 Start: 598, Stop: 894, Start Num: 112
Candidate Starts for Wilkins_1:
(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: WilliamBoone_12 Start: 2893, Stop: 3201, Start Num: 113
Candidate Starts for WilliamBoone_12:
(95, 2863), (Start: 113 @2893 has 26 MA's), (Start: 161 @3157 has 1 MA's),

Gene: Wooldri_3 Start: 517, Stop: 819, Start Num: 89
Candidate Starts for Wooldri_3:
(Start: 89 @517 has 31 MA's), (Start: 97 @526 has 63 MA's), (123, 592),

Gene: WunderPhul_4 Start: 2143, Stop: 2439, Start Num: 110
Candidate Starts for WunderPhul_4:
(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: XianYue_4 Start: 2391, Stop: 2687, Start Num: 112
Candidate Starts for XianYue_4:
(Start: 112 @2391 has 299 MA's), (140, 2508),

Gene: Yang_68 Start: 42836, Stop: 43144, Start Num: 109
Candidate Starts for Yang_68:
(Start: 109 @42836 has 117 MA's), (123, 42902), (150, 43028), (167, 43127),

Gene: Yasdniil_2 Start: 729, Stop: 1040, Start Num: 109

Candidate Starts for Yasdnil_2:

(52, 627), (Start: 109 @729 has 117 MA's), (125, 801), (132, 831), (141, 858), (150, 921),

Gene: Yecey3_4 Start: 2101, Stop: 2394, Start Num: 112

Candidate Starts for Yecey3_4:

(Start: 112 @2101 has 299 MA's),

Gene: YesChef_69 Start: 43140, Stop: 43442, Start Num: 109

Candidate Starts for YesChef_69:

(Start: 109 @43140 has 117 MA's), (120, 43191), (123, 43206), (139, 43257), (150, 43332), (167, 43431),

Gene: Yokurt_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Yokurt_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Yosif_3 Start: 954, Stop: 1265, Start Num: 110

Candidate Starts for Yosif_3:

(41, 816), (75, 888), (79, 906), (Start: 110 @954 has 194 MA's), (146, 1128),

Gene: Yvonnetastic_14 Start: 3602, Stop: 3910, Start Num: 113

Candidate Starts for Yvonnetastic_14:

(Start: 113 @3602 has 26 MA's), (146, 3776), (150, 3794), (153, 3815), (167, 3902),

Gene: Zainub_3 Start: 1037, Stop: 1351, Start Num: 110

Candidate Starts for Zainub_3:

(52, 911), (Start: 71 @965 has 1 MA's), (Start: 103 @1031 has 2 MA's), (Start: 110 @1037 has 194 MA's), (123, 1106), (144, 1181),

Gene: Zaka_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Zaka_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: Zeeculate_1 Start: 596, Stop: 892, Start Num: 112

Candidate Starts for Zeeculate_1:

(Start: 77 @533 has 4 MA's), (Start: 91 @569 has 3 MA's), (Start: 99 @578 has 1 MA's), (Start: 112 @596 has 299 MA's), (141, 719), (156, 809), (163, 845),

Gene: Zemlya_2 Start: 703, Stop: 1014, Start Num: 109

Candidate Starts for Zemlya_2:

(1, 34), (2, 40), (3, 43), (4, 70), (6, 142), (15, 406), (19, 463), (23, 487), (26, 496), (76, 652), (Start: 87 @682 has 1 MA's), (Start: 109 @703 has 117 MA's), (130, 799), (132, 805), (141, 832),

Gene: Zephyr_1 Start: 598, Stop: 894, Start Num: 112

Candidate Starts for Zephyr_1:

(Start: 77 @535 has 4 MA's), (Start: 91 @571 has 3 MA's), (Start: 99 @580 has 1 MA's), (Start: 112 @598 has 299 MA's), (141, 721), (156, 811), (163, 847),

Gene: Zeta1847_76 Start: 47529, Stop: 47834, Start Num: 109

Candidate Starts for Zeta1847_76:

(45, 47376), (Start: 46 @47379 has 1 MA's), (48, 47382), (Start: 109 @47529 has 117 MA's), (169, 47829),

Gene: Zetzy_1 Start: 518, Stop: 820, Start Num: 89

Candidate Starts for Zetzy_1:

(Start: 89 @518 has 31 MA's), (Start: 97 @527 has 63 MA's), (123, 593),

Gene: Zeuska_1 Start: 599, Stop: 895, Start Num: 112

Candidate Starts for Zeuska_1:

(Start: 77 @536 has 4 MA's), (Start: 91 @572 has 3 MA's), (Start: 99 @581 has 1 MA's), (Start: 108 @596 has 2 MA's), (Start: 112 @599 has 299 MA's), (141, 722), (156, 812), (163, 848),

Gene: Zimmer_4 Start: 2256, Stop: 2552, Start Num: 111

Candidate Starts for Zimmer_4:

(21, 1998), (33, 2043), (44, 2094), (Start: 111 @2256 has 4 MA's),

Gene: Zulu_4 Start: 2143, Stop: 2439, Start Num: 110

Candidate Starts for Zulu_4:

(Start: 110 @2143 has 194 MA's), (144, 2278),

Gene: phiHau3_1 Start: 591, Stop: 905, Start Num: 110

Candidate Starts for phiHau3_1:

(Start: 110 @591 has 194 MA's), (138, 708), (144, 735), (157, 837), (168, 900),