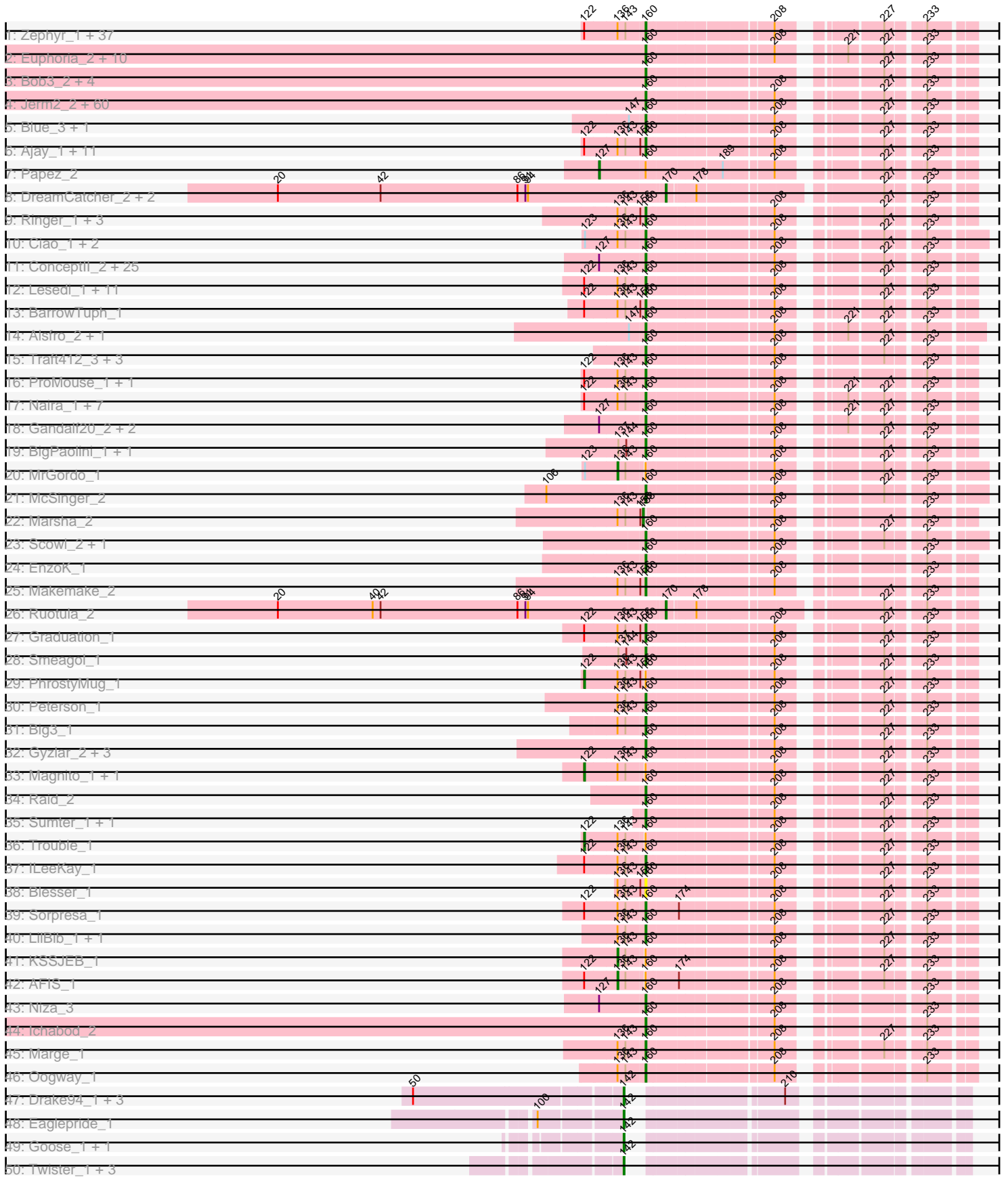
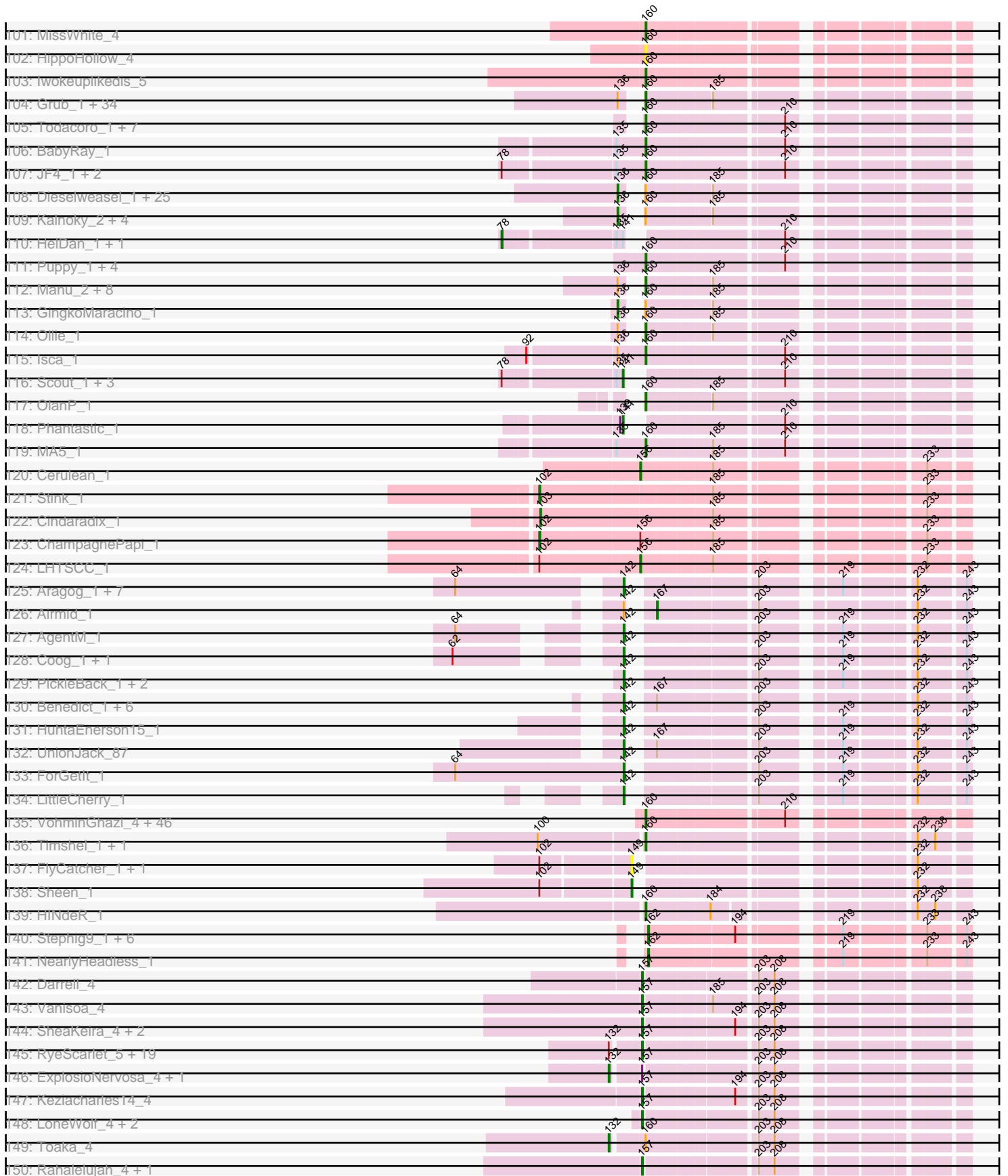


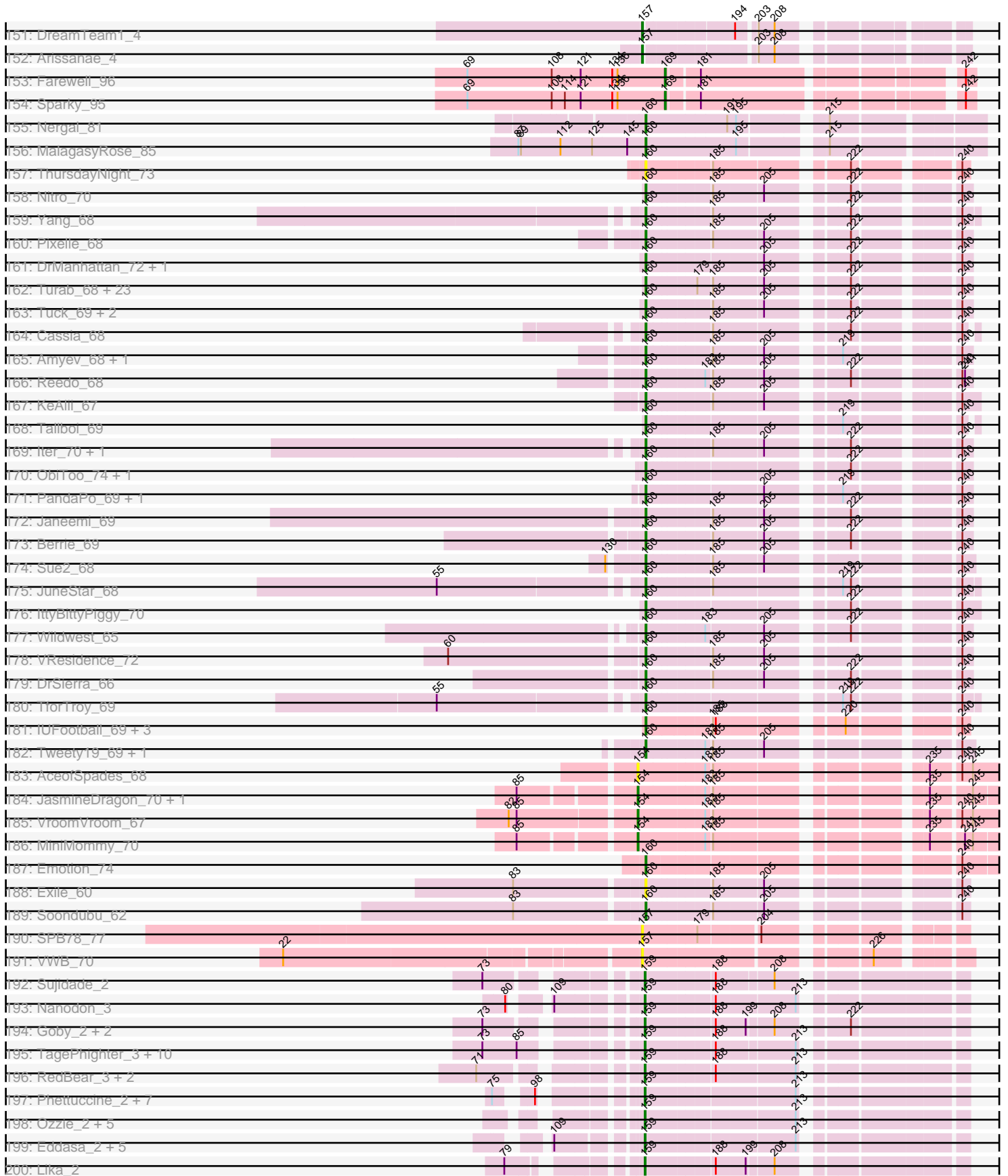
Pham 296063



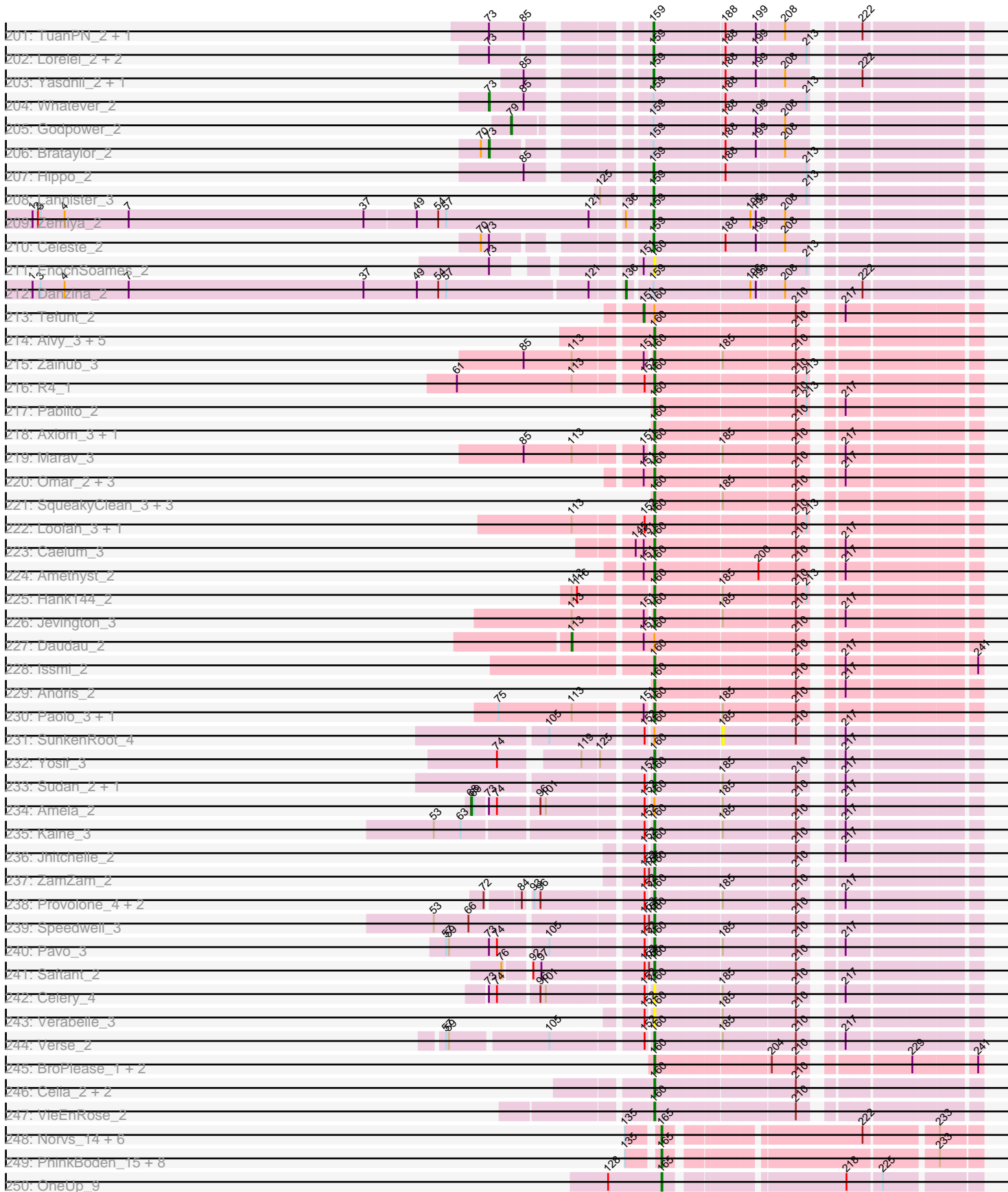
Pham 296063



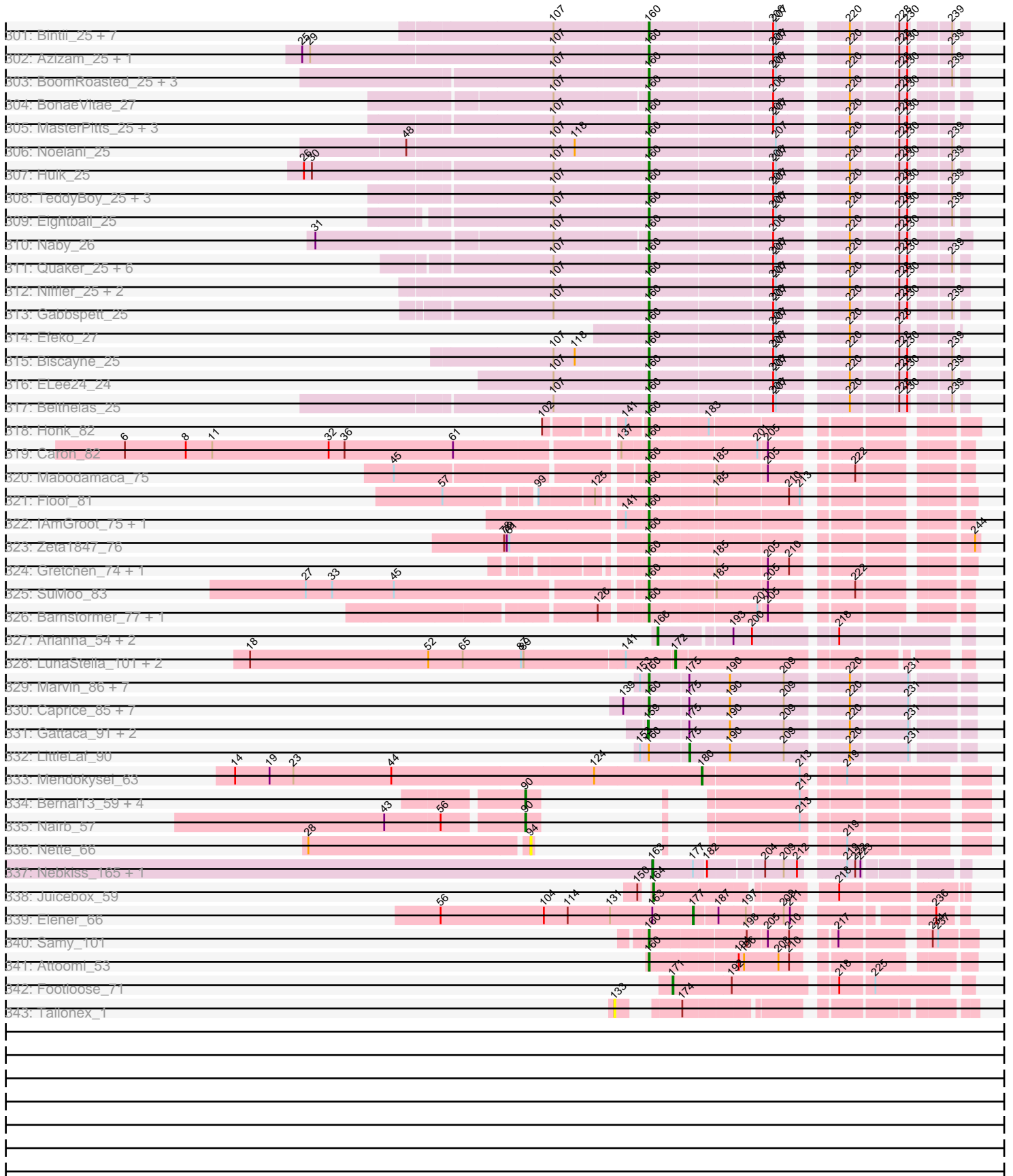
Pham 296063



Pham 296063



Pham 296063



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 296063 Report

This analysis was run 04/25/26 on database version 644.

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 296063 has 1140 members, 78 are drafts.

Phages represented in each track:

- Track 1 : Zephyr_1, Paphu_1, Fascinus_1, Bigchungu_1, PhineBark_1, Solon_1, Rutherford_1, Bones_1, ShortQueendom_1, Mkhusele_1, Michley_1, Maroc7_1, Marco3_1, Ashballer_1, Snazzy_1, Parliament_1, Zeeculate_1, DrFeelGood_1, StewieG_1, CactusRose_1, Adahisdi_1, Crispicous1_1, Phlippers_1, Seanderson_1, Levia_1, Cueyllyss_1, Teodoridan_1, Ohno789_1, Sunshine924_1, Bigfoot_1, Topgun_1, Hami1_1, Wilkins_1, Applejack_1, Killigrew_1, SpikeBT_1, Tripl3t_1, Squee_1
- Track 2 : Euphoria_2, Alvin_3, Seabiscuit_2, Abbyshoes_2, Lockley_2, Kenmech_2, Briton15_2, DD5_2, McGuire_2, Dussy_2, BeesKnees_2
- Track 3 : Bob3_2, Burton_2, MPlant7149_2, Museum_3, Nhonho_2
- Track 4 : Jerm2_2, MetalQZJ_2, Greg_2, Monet_2, RidgeCB_2, GrecoEtereo_2, DirtDevil_2, Fushigi_2, PattyP_2, Sagefire_2, Chanagan_2, Corvo_2, Bethlehem_2, BigMau_3, Rufus_2, GMonster_2, Pippin_2, BillKnuckles_2, Molly_2, Slagathor_2, PascalRango_2, HermioneGrange_2, JC27_2, U2_2, Whitspit_2, Lamina13_2, Petp2012_2, Marchy_2, Payneful_2, Thor_2, BaconJack_2, KikiBouba_2, Manatee_2, Licorice_2, SarFire_2, MaryBeth_2, Treddle_2, Arlo_2, Dynamix_2, Violet_2, Fajezeel_2, Hermia_2, TheloniousMonk_2, Sibs6_2, Buttons_2, Pari_2, NEHalo_2, Noxious_2, Norz_2, Barriga_2, Watermelon_2, Anglerfish_2, GroundGoblin_2, Aldrich_2, Switzer_2, Rhynn_1, HarryOW_2, Arcanine_2, Rubeus_2, Rajelicia_2, Edtherson_2
- Track 5 : Blue_3, Tasp14_2
- Track 6 : Ajay_1, Inyanga_1, Iqorha_1, Beatrix_1, Bexan_1, StrongArm_1, Smairt_1, Mule_1, Aeneas_1, Zeuska_1, Perseus_1, Hope4ever_1
- Track 7 : Papez_2
- Track 8 : DreamCatcher_2, Sanya_1, Abrogate_20
- Track 9 : Ringer_1, IgnatiusPatJac_1, BluSpix_1, JackSparrow_1
- Track 10 : Ciao_1, Nerujay_1, Kugel_1
- Track 11 : Conceptll_2, Bircsak_2, PherrisBueller_2, STLscum_2, PacerPaul_2, Rohr_2, Altman_3, Pepe_2, SkiPole_2, Gompeii16_2, Lopton_2, Pita2_2, BPBiabs31_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, PSullivan_2
- Track 12 : Lesedi_1, Atkinbua_1, KyMonks1A_1, Turj99_1, Magnar_1, Eyeball_1, LunarLander_1, Bxb1_1, Mryolo_1, Paraselene_1, Kykar_1, QTRlifeCrisis_1

- Track 13 : BarrowTuph_1
- Track 14 : Alsfro_2, Carlyle_2
- Track 15 : Traft412_3, Dexes_2, Pelly_2, Acme_2
- Track 16 : ProMouse_1, Dulcie_1
- Track 17 : Naira_1, Bruns_1, Moose_1, Forsytheast_1, Fenn_1, PinkPlastic_1, SwissCheese_1, PowerRanger_1
- Track 18 : Gandalf20_2, Jorgensen_2, Espresso_2
- Track 19 : BigPaolini_1, Doom_1
- Track 20 : MrGordo_1
- Track 21 : McSinger_2
- Track 22 : Marsha_2
- Track 23 : Scowl_2, GageAP_2
- Track 24 : EnzoK_1
- Track 25 : Makemake_2
- Track 26 : Ruotula_2
- Track 27 : Graduation_1
- Track 28 : Smeagol_1
- Track 29 : PhrostyMug_1
- Track 30 : Peterson_1
- Track 31 : Big3_1
- Track 32 : Gyzlar_2, Marcell_2, Petruccio_2, Froghopper_2
- Track 33 : Magnito_1, Pinto_1
- Track 34 : Raid_2
- Track 35 : Sumter_1, Gwendoluna_1
- Track 36 : Trouble_1
- Track 37 : ILeeKay_1
- Track 38 : Blesser_1
- Track 39 : Sorpresa_1
- Track 40 : LilBib_1, Puppet_1
- Track 41 : KSSJEB_1
- Track 42 : AFIS_1
- Track 43 : Niza_3
- Track 44 : Ichabod_2
- Track 45 : Marge_1
- Track 46 : Oogway_1
- Track 47 : Drake94_1, Severus_1, Poompha_1, KittenMittens_1
- Track 48 : Eaglepride_1
- Track 49 : Goose_1, Chupacabra_1
- Track 50 : Twister_1, WalterMcMickey_1, Edison31_1, Topanga_1
- Track 51 : OKCentral2016_1
- Track 52 : Rebeuca_2
- Track 53 : RhynO_1
- Track 54 : PeaceMeal1_1
- Track 55 : Kristoff_2
- Track 56 : MaCh_4, Sham4_4, Bowtie_4, Flaverint_4, Joselito_4, Fibonacci_4, Gilberta_4, Munch_4, Lucivia_4, Hutc2_4, TinyTimmy_4, Mulciber_4, Aneem_4, Bud_4, Insomnia_4, Salz_4, Jabith_4, Timothy_4, Snape_4
- Track 57 : Ebony_4, Kimba_4, Bachome_4, Orange_4
- Track 58 : Refuge_4
- Track 59 : Zimmer_4
- Track 60 : Steamy_4
- Track 61 : DARTHPhader_4
- Track 62 : Pharaoh_4

- Track 63 : SororFago_4
- Track 64 : Luchador_4
- Track 65 : Gail_4
- Track 66 : Jeeves_4
- Track 67 : Waits_4, Epsocamisio_4, Rosalind_4, MinecraftSteve_5, DekHockey33_4, ShayRa_5, JSwag_4, KatherineG_4, Nebulosus_4, Boohoo_4, LastResort_4, Switzerland_4, Battleship_5, ReMo_4, Looper_4, Anaysia_4
- Track 68 : Nedarya_4
- Track 69 : Strosahl_4, Soups_4, Remus_4
- Track 70 : Warrior24_4, Oofda_4
- Track 71 : Elle_4
- Track 72 : EagleEye_4, Lucyedi_4, PainterBoy_4
- Track 73 : 40AC_5
- Track 74 : MyraDee_1
- Track 75 : Kimona_1
- Track 76 : NicoleTera_4, Chargerpower_5, EZMoney23_4, Trixie_4
- Track 77 : Journey13_4
- Track 78 : Lokk_5, Rachaly_5, BobSwaget_5
- Track 79 : Adzzy_4
- Track 80 : AnnaL29_4, CRB1_4, Loser_4, RedRock_4
- Track 81 : MiculUcigas_5, Flare16_5, WideWale_5, Sknot_5, Centaur_5, HarryHoudini_5, Equemioh13_5, Piro94_4, Drake55_5, Terrific_6, NaSiaTalie_5, Baehexic_5, Updawg_5
- Track 82 : Buggy_5, Agape74_5, Dignity_5, SemperFi_5, Smeagan_5, Deloris_4, EvilGenius_5, SnapTap_5, Jerm_5, SweetiePie_5, LadyBird_4, Georgie2_5, LilTurb_5, AN3_4, KingCyrus_5, ChipMunk_5, Crucio_5, BengiVuitton_4, AbbyPaige_5, Power_5, QueenBeesly_5, VA6_4, JoshKayV_5, Leviathan_5, Whabigail7_5, FiringLine_5, Turbido_5
- Track 83 : Bactobuster_4, Jaan_4, IronMan_4, Tristan_4, Landor_4, Phaded_4
- Track 84 : Miko_5, Changeling_4, DeerParkTS_4, 20ES_4, ArcherNM_4, First_004, Anthony_1
- Track 85 : DudeLittle_5, Anselm_5, Dalmatian_5, Heffalump_5, QueenB2_5, Fameo_5, Retro23_5
- Track 86 : Odin_3, Pukovnik_4, Superchunk_4
- Track 87 : Leogania_4, BiancaTri92_4
- Track 88 : StarStuff_4, C3_04, Tomathan_4, AN9_4, D32_4, Travvers_4, VC3_4, D29_4, Kerberos_4, DBQu4n_4, ANI8_4, Naji_4, Duplo_4, Pomar16_4
- Track 89 : Ph8s_4
- Track 90 : XianYue_4
- Track 91 : TarsusIV_5
- Track 92 : Herbertwm_1
- Track 93 : Larenn_5, Malec_5
- Track 94 : Colin_5, WeiHuaDA_5
- Track 95 : Che12_4
- Track 96 : Kalpine_4
- Track 97 : GaugeLDP_4, Trooper_5, BabyBack_4, Acolyte_4, Yecy3_4, SwirlSquare_4
- Track 98 : L5_4, Jsquared_4, Koduck_4, TipsytheTRex_4, Serenity_4
- Track 99 : Benvolio_5, Echid_5
- Track 100 : LionsBait_4
- Track 101 : MissWhite_4
- Track 102 : HippoHollow_4
- Track 103 : Iwokeuplikedis_5

- Track 104 : Grub_1, Grif_1, Phoxy_1, Snickers_1, Louie6_1, Tiffany_1, Beauxregard13_1, Spike509_1, Fernando_1, AugsMagnumOpus_3, Bxz2_1, Vix_1, Microwolf_1, Aglet_1, Grum1_1, Stagni_1, StepMih_1, Mainiac_1, EpicPhail_1, LarryKay_1, Sabinator_1, PGHhamlin_3, MarQuardt_1, GtownJaz_1, Penny1_1, DaHudson_1, Watson_1, Malinsilva_3, KADY_2, Lilith_1, Methuselah_1, Anubis_3, Farber_1, Hercules11_1, JHC117_1
- Track 105 : Todacoro_1, Pocahontas_1, ResDef_1, Caviar_1, Hookmount_1, Noella_1, Lambert1_1, Margo_1
- Track 106 : BabyRay_1
- Track 107 : JF4_1, MK4_1, JF2_1
- Track 108 : Dieselweasel_1, TinyPebbles_1, Soshari_3, JenCasNa_1, SoilDragon_1, Cullens_1, Phoebe_1, PotatoSplit_2, MoneyMay_1, MadMarie_1, Colbster_1, Daishi_1, BreSam8_1, HashRod_2, Taurus_1, Zetzy_1, Jobu08_1, Sabia_1, P28Green_1, AgronaGT15_1, LugYA_3, Pembroke_1, Marie_1, LBerry_1, Rummer_1, Wooldri_3
- Track 109 : Kalnok_2, PurpleHaze_1, Pawn_1, Gemma_1, Heliosoles_1
- Track 110 : HelDan_1, Heathen_1
- Track 111 : Puppy_1, TNguyen7_1, Pistachio_1, BlueBird_1, Giroux_1
- Track 112 : Manu_2, Kalb97_2, JeppNRM_2, Groupthink_2, Reba_2, HaveUMetTed_2, Marius_2, Phranny_2, PhishRPhriends_1
- Track 113 : GingkoMaracino_1
- Track 114 : Ollie_1
- Track 115 : Isca_1
- Track 116 : Scout_1, Fred313_1, Kachowdy_1, Roimos_1
- Track 117 : OlanP_1
- Track 118 : Phantastic_1
- Track 119 : MA5_1
- Track 120 : Cerulean_1
- Track 121 : Stink_1
- Track 122 : Cindaradix_1
- Track 123 : ChampagnePapi_1
- Track 124 : LHTSCC_1
- Track 125 : Aragog_1, Cuco_1, Discoknowium_1, Milcery_1, Tiger_1, Phlorence_1, Lev2_1, Archetta_1
- Track 126 : Airmid_1
- Track 127 : AgentM_1
- Track 128 : Coog_1, Midas2_1
- Track 129 : PickleBack_1, Jovo_1, Conspiracy_1
- Track 130 : Benedict_1, ElTiger69_1, PetterN_1, Jabiru_1, Chadwick_1, Scorpia_1, Naca_1
- Track 131 : HuhtaEnerson15_1
- Track 132 : UnionJack_87
- Track 133 : ForGetIt_1
- Track 134 : LittleCherry_1
- Track 135 : VohminGhazi_4, Dorothea_4, Anon_4, Indra_4, CloudWang3_4, Artemis2UCLA_4, Helmet_4, Chartreuse_4, EricB_4, Gladiator_4, BlessJoy_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, Temprado_4, Koko_4, Gruunaga_4, SmellyB_4, GreedyLawyer_4, Rifter_4, Blinn1_4, Jordennis_4, Priamo_4, WunderPhul_4, Roksolana_4, Hexamo_4, Zaka_4, Hammer_4, DaVinci_4, Blue7_4, Kazan_4, Newrala_4, Isiphiwo_4, Hoot_4, Polyphemus_4, Neeharika16_4
- Track 136 : Timshel_1, DroogsArmy_1

- Track 137 : FlyCatcher_1, Toro_1
- Track 138 : Sheen_1
- Track 139 : HINdeR_1
- Track 140 : Stephig9_1, Dixon_1, Phillis_1, Smeadley_1, Saintus_1, Astro_1, Roary_1
- Track 141 : NearlyHeadless_1
- Track 142 : Darrell_4
- Track 143 : Vanisoa_4
- Track 144 : SheaKeira_4, Klodlith_4, Charm_4
- Track 145 : RyeScarlet_5, Priya_4, Conquerage_4, Phaeder_4, HortumSL17_4, Eidsmoe_4, Aliter_4, Scherzo_4, Alma_4, Pioneer_4, Spouty_4, EmyBug_4, Tubs_4, Myxus_4, Catalina_4, Beemo_4, PackMan_4, Phonnegut_4, Fayely_4, Ayanochan_5
- Track 146 : ExplosioNervosa_4, Qobbit_4
- Track 147 : Keziacharles14_4
- Track 148 : LoneWolf_4, Elephantoon_4, Maminina_4
- Track 149 : Toaka_4
- Track 150 : Rahalelujah_4, BogosyJay_4
- Track 151 : DreamTeam1_4
- Track 152 : Arissanae_4
- Track 153 : Farewell_96
- Track 154 : Sparky_95
- Track 155 : Nergal_81
- Track 156 : MalagasyRose_85
- Track 157 : ThursdayNight_73
- Track 158 : Nitro_70
- Track 159 : Yang_68
- Track 160 : Pixelle_68
- Track 161 : DrManhattan_72, Adolin_71
- Track 162 : Turab_68, Adumb2043_68, Eraser_69, AEgle_67, Niobe_69, Asa16_69, Tbone_69, Amploria_69, Cyan_70, Flutur_69, Lizalica_69, JohnDoe_70, Powerpuff_71, YesChef_69, Mudpuppy_68, Subaru_69, Skelbel_70, Lego_69, Joemato_71, Kaylissa_71, London_69, Warda_70, Tutumahutu_71, Elezi_68
- Track 163 : Tuck_69, Community_70, Phives_70
- Track 164 : Cassia_68
- Track 165 : Amyev_68, Tian_67
- Track 166 : Reedo_68
- Track 167 : KeAlii_67
- Track 168 : Tallboi_69
- Track 169 : Iter_70, Ascela_71
- Track 170 : ObiToo_74, Crewmate_74
- Track 171 : PandaPo_69, MissSwiss_70
- Track 172 : Janeemi_69
- Track 173 : Berrie_69
- Track 174 : Sue2_68
- Track 175 : JuneStar_68
- Track 176 : IttyBittyPiggy_70
- Track 177 : Wildwest_65
- Track 178 : VResidence_72
- Track 179 : DrSierra_66
- Track 180 : TforTroy_69
- Track 181 : IUFootball_69, Maureen_69, MaGuCo_63, Liebe_69
- Track 182 : Tweety19_69, Snek_68
- Track 183 : AceofSpades_68

- Track 184 : JasmineDragon_70, ShakeltOph_70
- Track 185 : VroomVroom_67
- Track 186 : MiniMommy_70
- Track 187 : Emotion_74
- Track 188 : Exile_60
- Track 189 : Soondubu_62
- Track 190 : SPB78_77
- Track 191 : VWB_70
- Track 192 : Sujidade_2
- Track 193 : Nanodon_3
- Track 194 : Goby_2, Toma_2, Dattran_2
- Track 195 : TagerPhighter_3, BarryBee_3, Triste_2, SarahRose_2, Snorlax_2, Asten_2, Werner_2, Chucky_2, OzzyJ_3, Emaanora_3, Dwayne_2
- Track 196 : RedBear_3, South40_2, Katalie_2
- Track 197 : Phettuccine_2, Esperer_2, Aaronocolus_2, Unstoppable_2, Bovely_2, Leviticus_2, Nerdos_2, Indigo_2
- Track 198 : Ozzie_2, Legacy_2, Hydra_3, Caliburn_2, BeardedLady_2, SunsetPointe_2
- Track 199 : Eddasa_2, Izzy_2, Jash_2, Rusticus_2, BryanRecycles_2, Oliynyk_2
- Track 200 : Lika_2
- Track 201 : TuanPN_2, Ejemplo_2
- Track 202 : Lorelei_2, Nabi_2, Rana_2
- Track 203 : Yasdnil_2, Maneekul_2
- Track 204 : Whatever_2
- Track 205 : Godpower_2
- Track 206 : Brataylor_2
- Track 207 : Hippo_2
- Track 208 : Lannister_3
- Track 209 : Zemlya_2
- Track 210 : Celeste_2
- Track 211 : EnochSoames_2
- Track 212 : Danzina_2
- Track 213 : Tefunt_2
- Track 214 : Alvy_3, BartholomewSD_3, TinaBelcher_2, Bowden_2, TrvxScott_2, Thestral_2
- Track 215 : Zainub_3
- Track 216 : R4_1
- Track 217 : Pablito_2
- Track 218 : Axiom_3, Triumph_3
- Track 219 : Marav_3
- Track 220 : Omar_2, Haizum_2, Nishikigoi_2, Diane_2
- Track 221 : SqueakyClean_3, Animus_3, Janus_3, GirlDinner_2
- Track 222 : Loofah_3, Paedore_3
- Track 223 : Caelum_3
- Track 224 : Amethyst_2
- Track 225 : Hank144_2
- Track 226 : Jevington_3
- Track 227 : Daudau_2
- Track 228 : Issmi_2
- Track 229 : Andris_2
- Track 230 : Paolo_3, Puginator_3
- Track 231 : SunkenRoot_4
- Track 232 : Yosif_3

- Track 233 : Sudan_2, Alsaber_3
- Track 234 : Amela_2
- Track 235 : Kaine_3
- Track 236 : Jhitchelle_2
- Track 237 : ZamZam_2
- Track 238 : Provolone_4, Conan_4, ElGato_4
- Track 239 : Speedwell_3
- Track 240 : Pavo_3
- Track 241 : Saftant_2
- Track 242 : Celery_4
- Track 243 : Verabelle_3
- Track 244 : Verse_2
- Track 245 : BroPlease_1, GreenWeasel_1, phiHau3_1
- Track 246 : Celia_2, Itza_2, Urza_2
- Track 247 : VieEnRose_2
- Track 248 : Norvs_14, Smoothie_14, Lozinak_14, Miskis_12, Engineer_14, Aphelion_14, Toniann_14
- Track 249 : PhinkBoden_15, Cucurbita_13, ClubL_14, Dusty_13, Culver_13, Geeche_13, Bachita_15, Abscondus_13, WilliamBoone_12
- Track 250 : OneUp_9
- Track 251 : BrutonGaster_7
- Track 252 : Button_71
- Track 253 : PotPie_71, SummitAcademy_71, Yucky_74
- Track 254 : Zareef_67, Wolfwood_69, Azira_67, Nibbles_67, Fribs8_67
- Track 255 : Jamzy_76
- Track 256 : HippoPololi_68
- Track 257 : Survivors_69
- Track 258 : Buttrmlkdreams_71, Horseradish_71
- Track 259 : Axym_69, Agatha_71, Burnsey_70
- Track 260 : Margaret_75
- Track 261 : Bubble_70, Quasar_71
- Track 262 : Vine_74, Elinal_76, Mayweather_74, KayGee_74
- Track 263 : Yummy_71
- Track 264 : Lauer_66, Balloona_71, CocoaPuff_70
- Track 265 : Yakult_74
- Track 266 : RanchParmCat_74
- Track 267 : GiKK_75
- Track 268 : Orla_75
- Track 269 : Dre3_68
- Track 270 : Amok_68, Emalyn_67
- Track 271 : McDazzle_71
- Track 272 : SweatNTears_71
- Track 273 : MAnor_73, Pons_74
- Track 274 : MunkgeeRoachy_69
- Track 275 : Troje_71
- Track 276 : Nodigi_74
- Track 277 : Angelique_76
- Track 278 : Bradissa_76
- Track 279 : Pollux_82, EMsquaredA_80, Floral_80
- Track 280 : EnalisNailo_76
- Track 281 : BritBrat_98
- Track 282 : Wrigley_81, Jablanski_82, Posh_79, Pytheas_83
- Track 283 : Cashline_76

- Track 284 : LonelyBoi_78
- Track 285 : JonJames_13, Cardigan_14
- Track 286 : Yvonnestic_14
- Track 287 : Bantam_8
- Track 288 : Daredevil_10
- Track 289 : SpeedDemon_90
- Track 290 : DatBoi_9
- Track 291 : Towmatter_9
- Track 292 : Mollymur_10
- Track 293 : MortyNRick_97, Birdsong_96, BearBQ_102
- Track 294 : Crater_100, Apricot_101
- Track 295 : Kuwabara_94
- Track 296 : KyriosFaba_25, Bradley2_25, Lola20_25, Yasuo_25, Gillker_25, Anseraureola_25, Danimal_25, Baine_25, EdElric_25, Cayde6_25, Jahseh_25
- Track 297 : Majesty_25, Witch_25, GoldenBlanche_25, Jannah_25, Erin_25, Duggle_26, Chatham_25, Gardevoir_25, JoBros_25, BarBear_25, YertPhresh_25, ManAs_25, Minima_25, Sara_25, Octopus_25, Picnic_25, NeumannU_25, Aztec_25, Goulash_26, Astro16_25, Horacetta_25, Slentz_25, Hernandez44_25, BurtonThePup_25, Puddles3_26, BinkBonk_25, Goobery_25, Sachet_26, SeaWolves_25, Luxx_25, Dooby_25, Owens_25, Picconator_26, Scrunchy_25, Alucard_25, Tyrellus_26, JaimeB_25, Pondwater_25, Yubaba_25, Myram_25, Dongwon_25, Jella_27, Ciel_25, PaoPu_25, LemonPepper_25
- Track 298 : JRok_25, McShie_25, BrokMonster_25
- Track 299 : Mauilvory_24, Bullzi2019_26, TomBrady12_26, Rira_25, Namsahir_27, Yami_25, Snuffles_27, Slizam_25, Cazares_25, TinyTruffula_25, Publix_26, Trireme_25, Miaurora_25, PuffyCat_25, Trackstar_25, IzzyPants24_25, Clownery_25, Lunatic_25
- Track 300 : Charbie_25, Sippinontea_25, Kojax4_25, Vanisius_25, LaviMo_25, Maneater_25, Madebyisha_25, Grayscar_27, TimoTea_25, Aries55_25, KayPaulus_25, MrGreen_25, Scamander_25, Burgy_25, Sage7_25, Cheesecake_25, Kaijohn_25, Avvas_25, Josuke_25, RoscoWindex_25, Bodhi17_25, Godfather_25, Rhysand_25, Jerky_25, Otwor_25, SantasSleigh_25, OdetoJoy_25, Wolfpack_25, VitulaEligans_25, Zahlia_25, Danno_25
- Track 301 : Bintii_25, Elspeth_26, HarperAnne_26, Upsilon_25, Ekko14_26, PoRanda_25, JooneeDee_25, MirimarMandM_25
- Track 302 : Azizam_25, Oaklynn_25
- Track 303 : BoomRoasted_25, KillerTomato_25, Bri160_25, Concrete_25
- Track 304 : BonaeVitae_27
- Track 305 : MasterPitts_25, DaftyDuck_25, DirtPie_25, Marichuy_26
- Track 306 : Noelani_25
- Track 307 : Hulk_25
- Track 308 : TeddyBoy_25, Rhogar_25, LionelHutz_25, HeadMave_25
- Track 309 : Eightball_25
- Track 310 : Naby_26
- Track 311 : Quaker_25, Douggye_25, Kevanna_25, Loca_25, Livingwater_25, Leafy_25, MelBee03_25
- Track 312 : Niffler_25, Stem_25, Nobel_25
- Track 313 : Gabbspett_25
- Track 314 : Efeko_27
- Track 315 : Biscayne_25
- Track 316 : ELee24_24
- Track 317 : Belthelas_25
- Track 318 : Honk_82

- Track 319 : Caron_82
- Track 320 : Mabodamaca_75
- Track 321 : Floof_81
- Track 322 : IAmGroot_75, GardenState_76
- Track 323 : Zeta1847_76
- Track 324 : Gretchen_74, Percival_75
- Track 325 : SuMoo_83
- Track 326 : Barnstormer_77, UtzChips_77
- Track 327 : Arianna_54, Poushou_54, TouchMeNot_54
- Track 328 : LunaStella_101, TChen_101, Renaud18_112
- Track 329 : Marvin_86, Lilbit_88, Beelzebub_96, Corazon_87, FeliMaine_92, Clarkson_93, Huphlepuuff_94, Pringar_88
- Track 330 : Caprice_85, JoieB_93, Raela_94, RedRaider77_92, VasuNzinga_90, Poise_93, Tesla_88, Blackbeetle_93
- Track 331 : Gattaca_91, MosMoris_88, GoongGoong_93
- Track 332 : LittleLaf_90
- Track 333 : Mendokyseji_63
- Track 334 : Bernal13_59, Ibrahim_59, RonRayGun_59, ZenTime222_65, Whitty_58
- Track 335 : Nairb_57
- Track 336 : Nette_66
- Track 337 : Nebkiss_165, Gaia_169
- Track 338 : Juicebox_59
- Track 339 : Elener_66
- Track 340 : Samy_101
- Track 341 : Attoomi_53
- Track 342 : Footloose_71
- Track 343 : Tailonex_1

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

The start number called the most often in the published annotations is 160, it was called in 746 of the 1062 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_4, 40AC_5, AEgle_67, AN3_4, AN9_4, AN18_4, AbbyPaige_5, Abbyshoes_2, Acme_2, Acolyte_4, Adahisdi_1, Adolin_71, Adumb2043_68, Adzzy_4, Aeneas_1, Agape74_5, Aglet_1, Ajay_1, Aldrich_2, Alsaber_3, Alsfro_2, Altman_3, Alucard_25, Alvin_3, Alvy_3, Amethyst_2, Amploria_69, Amyev_68, Anaysia_4, Andris_2, Aneem_4, Anglerfish_2, Animus_3, AnnaL29_4, Anon_4, Anselm_5, Anseraureola_25, Anthony_1, Anubis_3, Applejack_1, Arcanine_2, ArcherNM_4, Aries55_25, Arlo_2, Artemis2UCLA_4, Asa16_69, Ascela_71, Ashballer_1, Astro16_25, Atkinbua_1, Attoomi_53, AugsMagnumOpus_3, Avvas_25, Axiom_3, Azizam_25, Aztec_25, BABullseye_4, BPBiebs31_2, BabyBack_4, BabyRay_1, BaconJack_2, Bactobuster_4, Baehexic_5, Baine_25, BarBear_25, Barnstormer_77, Barriga_2, BarrowTuph_1, BartholomewSD_3, Battleship_5, Beatrix_1, Beauxregard13_1, Beelzebub_96, BeesKnees_2, Belthelas_25, BengiVuitton_4, Benvolio_5, Berrie_69, Bethlehem_2, Bexan_1, BiancaTri92_4, Big3_1, BigMau_3, BigPaolini_1, Bigchungji_1, Bigfoot_1, BillKnuckles_2, BinkBonk_25, Bintii_25, Bircsak_2, Biscayne_25, Blackbeetle_93, BlessJoy_4, Blessor_1, Blinn1_4, BluSpix_1, Blue7_4, BlueBird_1, Blue_3, Bob3_2, BobSwaget_5, Bodhi17_25,

BonaeVitae_27, Bones_1, Boohoo_4, BoomRoasted_25, Bowden_2, Bowtie_4, Bradley2_25, Bri160_25, Briton15_2, BroPlease_1, BrokMonster_25, Bruns_1, Bud_4, Buggy_5, Bullzi2019_26, Burgy_25, BurtonThePup_25, Burton_2, Buttons_2, Bxb1_1, Bxz2_1, C3_04, CRB1_4, CactusRose_1, Caelum_3, Caprice_85, Carlyle_2, Caron_82, Cassia_68, Caviar_1, Cayde6_25, Cazares_25, Celery_4, Celia_2, Centaur_5, Chanagan_2, Changeling_4, Charbie_25, Chargerpower_5, Chartreuse_4, Chatham_25, Che12_4, Cheesecake_25, ChipMunk_5, Ciao_1, Ciel_25, Clarkson_93, CloudWang3_4, Clownery_25, Colin_5, Community_70, Conan_4, ConceptII_2, Concrete_25, Cookiedough_4, Corazon_87, Corvo_2, Crewmate_74, Crispicious1_1, Crucio_5, Cueyllyss_1, Cyan_70, D29_4, D32_4, DBQu4n_4, DD5_2, DaHudson_1, DaVinci_4, DaftyDuck_25, Dalmatian_5, Danimal_25, Danno_25, DeerParkTS_4, DekHockey33_4, Deloris_4, Dexes_2, Diane_2, Dignity_5, DirtDevil_2, DirtPie_25, Dongwon_25, Dooby_25, Doom_1, Dorothea_4, Douggie_25, DrFeelGood_1, DrManhattan_72, DrSierra_66, Drake55_5, Dreamboat_2, DroogsArmy_1, DudeLittle_5, Duggle_26, Dulcie_1, Duplo_4, Dussy_2, Dynamix_2, ELee24_24, EZMoney23_4, Echid_5, EdEric_25, Edtherson_2, Efeko_27, Eightball_25, Ekko14_26, ElGato_4, Elezi_68, Elle_4, Elspeth_26, Emotion_74, EnochSoames_2, EnzoK_1, EpicPhail_1, Epsocamisio_4, Equemioh13_5, Eraser_69, EricB_4, Erin_25, Espresso_2, Euphoria_2, EvilGenius_5, Exile_60, Eyeball_1, Fajezeel_2, Fameo_5, Farber_1, Fascinus_1, FeliMaine_92, Fenn_1, Fernando_1, Fibonacci_4, FiringLine_5, First_004, Flare16_5, Flaverint_4, Floof_81, Flutur_69, Forsytheast_1, Francis47_2, Froghopper_2, Fushigi_2, GMonster_2, Gabbspett_25, GageAP_2, Gail_4, Gandalf20_2, GardenState_76, Gardevoir_25, GaugeLDP_4, Georgie2_5, Gilberta_4, Gillker_25, GirlDinner_2, Giroux_1, Gladiator_4, Godfather_25, GoldenBlanche_25, Gompeii16_2, Goobery_25, Goulash_26, Graduation_1, Grayscar_27, GrecoEtereo_2, GreedyLawyer_4, GreenWeasel_1, Greg_2, Gretchen_74, Grif_1, GroundGoblin_2, Groupthink_2, Grub_1, Grum1_1, Gruunaga_4, GtownJaz_1, Gwendoluna_1, Gyzlar_2, HINdeR_1, Haizum_2, Hami1_1, Hammer_4, Hank144_2, HarperAnne_26, HarryHoudini_5, HarryOW_2, HaveUMetTed_2, HeadMave_25, Heffalump_5, Helmet_4, Herbertwm_1, Hercules11_1, Hermia_2, HermioneGrange_2, Hernandez44_25, Hexamo_4, HippoHollow_4, Homines_2, Honk_82, Hookmount_1, Hoot_4, Hope4ever_1, Horacetta_25, Hulk_25, Huphlepuuff_94, Hutc2_4, IAmGroot_75, ILeeKay_1, IUFootball_69, Ichabod_2, IgnatiusPatJac_1, Indra_4, Insomnia_4, Inyanga_1, Iqorha_1, IronMan_4, Isca_1, Isiphiwo_4, Issmi_2, Iter_70, IttyBittyPiggy_70, Itza_2, Iwokeuplikedis_5, IzzyPants24_25, JC27_2, JF2_1, JF4_1, JHC117_1, JRok_25, JSwag_4, Jaan_4, Jabith_4, JackSparrow_1, Jahseh_25, JaimeB_25, Janeemi_69, Jannah_25, Janus_3, Jasper_2, Jeeves_4, Jeffabunny_4, Jella_27, JeppNRM_2, Jerky_25, Jerm2_2, Jerm_5, Jevington_3, JewelBug_4, Jhitchelle_2, JoBros_25, Joemato_71, JohnDoe_70, JoieB_93, JooneeDee_25, Jordennis_4, Jorgensen_2, Joselito_4, JoshKayV_5, Josuke_25, Journey13_4, Jsquared_4, JuliaChild_2, JuneStar_68, KADY_2, KBG_2, Kaijohn_25, Kaine_3, Kalb97_2, Kalpine_4, Kanely_3, KatherineG_4, KayPaulus_25, Kaylissa_71, Kazan_4, KeAlii_67, Kenmech_2, Kerberos_4, Kevanna_25, KikiBouba_2, KillerTomato_25, Killigrew_1, Kimona_1, KingCyrus_5, Kipper29_4, Koduck_4, Kojax4_25, Koko_4, Kugel_1, KyMonks1A_1, Kykar_1, KyriosFaba_25, L5_4, LadyBird_4, Lambert1_1, Lamina13_2, Landor_4, Larenn_5, LarryKay_1, LastResort_4, LaviMo_25, Leafy_25, Lego_69, LemonPepper_25, Leogania_4, Lesedi_1, Levia_1, Leviathan_5, Licorice_2, Liebe_69, LilBib_1, LilTurb_5, Lilbit_88, Lilbunny_4, Lilith_1, LionelHutz_25, LionsBait_4, Livingwater_25, Lizalica_69, Loca_25, Lockley_2, Lokk_5, Lola20_25, London_69, Loofah_3, Looper_4, Lopton_2, Loser_4, Louie6_1, Luchador_4, Lucivia_4, LunarLander_1, Lunatic_25, Luxx_25, MA5_1, MK4_1, MPlant7149_2,

MaCh_4, MaGuCo_63, Mabodamaca_75, Madebyisha_25, Magnar_1, Mainiac_1, Majesty_25, Makemake_2, MalagasyRose_85, Malec_5, Malinsilva_3, ManAs_25, Manatee_2, Maneater_25, Manu_2, MarQuardt_1, Marav_3, Marcell_2, Marchy_2, Marco3_1, Marge_1, Margo_1, Marichuy_26, Marius_2, Maroc7_1, Marvin_86, MaryBeth_2, MasterPitts_25, Mauilvory_24, Maureen_69, McFly_4, McGuire_2, McShie_25, McSinger_2, MelBee03_25, MetalQZJ_2, Methuselah_1, Miaurora_25, Michley_1, Microwolf_1, MiculUcigas_5, Miko_5, MinecraftSteve_5, Minima_25, MirimarMandM_25, MissSwiss_70, MissWhite_4, Mkhuseleli_1, Molly_2, Monet_2, Moose_1, MrGreen_25, Mryolo_1, Mudpuppy_68, Mulciber_4, Mule_1, Munch_4, Museum_3, Myram_25, NEHalo_2, NaSiaTalie_5, Naby_26, Naira_1, Naji_4, Namsahir_27, Nebulosus_4, Nedarya_4, Neeharika16_4, Nergal_81, Nerujay_1, NeumannU_25, Newrala_4, Nhonho_2, NicoleTera_4, Niffler_25, Niobe_69, Nishikigoi_2, Nitro_70, Niza_3, Nobel_25, Noelani_25, Noella_1, Norz_2, Noxious_2, Oaklynn_25, ObiToo_74, Octopus_25, OdetoJoy_25, Odin_3, Ohno789_1, OlanP_1, Ollie_1, Omar_2, Oofda_4, Oogway_1, Otwor_25, Owens_25, PGHhamlin_3, PSullivan_2, Pablito_2, PacerPaul_2, Paedore_3, PandaPo_69, PaoPu_25, Paolo_3, Paphu_1, Paraselene_1, Pari_2, Parliament_1, PascalRango_2, PattyP_2, Pavo_3, Payneful_2, Pelly_2, Penny1_1, Pepe_2, Percival_75, Perseus_1, Peterson_1, Petp2012_2, Petruccio_2, Ph8s_4, Phaded_4, PherrisBueller_2, PhineBark_1, PhishRPhriends_1, Phives_70, Philipppers_1, Phoxy_1, Phranny_2, Picconator_26, Picnic_25, PinkPlastic_1, Pippin_2, Piro94_4, Pistachio_1, Pita2_2, Pixelle_68, Pmask_4, PoRanda_25, Pocahontas_1, Poise_93, Polyphemus_4, Pomar16_4, Pondwater_25, PowerRanger_1, Power_5, Powerpuff_71, Priamo_4, Pringar_88, ProMouse_1, Provolone_4, Publix_26, Puddles3_26, PuffyCat_25, Puginator_3, Pukovnik_4, Puppet_1, Puppy_1, QTRLifeCrisis_1, Quaker_25, QueenB2_5, QueenBeesly_5, R4_1, Rachaly_5, Raela_94, Raid_2, Rajelicia_2, ReMo_4, Reba_2, RedRaider77_92, RedRock_4, Reedo_68, Refuge_4, Remus_4, ResDef_1, Retro23_5, Rhogar_25, Rhynn_1, Rhysand_25, RidgeCB_2, Rifter_4, Ringer_1, Rira_25, Rohr_2, Roksolana_4, Rosalind_4, RoscoWindex_25, Rubeus_2, Rufus_2, Rutherford_1, STLscum_2, Sabinator_1, Sachet_26, Saftant_2, Sage7_25, Sagefire_2, Salz_4, Samy_101, SantasSleigh_25, SarFire_2, Sara_25, Scamander_25, Scowl_2, Scrunchy_25, SeaWolves_25, Seabiscuit_2, Seanderson_1, SemperFi_5, Serenity_4, Sham4_4, ShayRa_5, ShortQueendom_1, Sibs6_2, Sippinontea_25, Skelbel_70, SkiPole_2, Sknot_5, Slagathor_2, Slentz_25, Slizam_25, Smairt_1, Smeagan_5, Smeagol_1, SmellyB_4, SnapTap_5, Snape_4, Snazzy_1, Sneak_68, Snickers_1, Snuffles_27, Solon_1, Soondubu_62, SororFago_4, Sorpresa_1, Soups_4, Speedwell_3, Spike509_1, SpikeBT_1, SqueakyClean_3, Squee_1, Stagni_1, StarStuff_4, Steamy_4, Stem_25, StepMih_1, StewieG_1, StrongArm_1, Strosahl_4, SuMoo_83, Subaru_69, Sudan_2, Sue2_68, Sumter_1, Sunshine924_1, SuperAwesome_4, SuperCallie99_4, Superchunk_4, SweetiePie_5, SwirlSquare_4, SwissCheese_1, Switzer_2, Switzerland_4, Swole_2, TNguyen7_1, Tallboi_69, Target_2, TarsusIV_5, Tasp14_2, Tbone_69, TeddyBoy_25, Temprado_4, Teodoridan_1, Terrific_6, Tesla_88, TforTroy_69, TheloniousMonk_2, Thestral_2, Thor_2, ThursdayNight_73, Tian_67, Tiffany_1, TimoTea_25, Timothy_4, Timshel_1, TinaBelcher_2, TinyTimmy_4, TinyTruffula_25, TipsytheTRex_4, Todacoro_1, TomBrady12_26, Tomathan_4, Topgun_1, Tote_2, Trackstar_25, Traft412_3, Travvers_4, Treddle_2, Tripl3t_1, Trireme_25, Tristan_4, Triumph_3, Trixie_4, Trooper_5, TrvxScott_2, Tuck_69, Tucker_4, Turab_68, Turbido_5, Turj99_1, Tutumahutu_71, Tweety19_69, TwoPeat_2, Tyrellus_26, U2_2, Updawg_5, Upsilon_25, Urza_2, UtzChips_77, VA6_4, VC3_4, VResidence_72, Vanisius_25, VasuNzinga_90, Verabelle_3, Verse_2, VieEnRose_2, Violet_2, VitulaEligans_25, Vix_1, VohminGhazi_4, Waits_4, Warda_70, Warrior24_4, Watermelon_2, Watson_1, WeiHuaDA_5, Whabigail7_5, Wheeler_2, Whispit_2, WideWale_5, Wiks_4,

Wildwest_65, Wilkins_1, Witch_25, Wolfpack_25, WunderPhul_4, XianYue_4, Yami_25, Yang_68, Yasuo_25, Yecey3_4, YertPhresh_25, YesChef_69, Yokurt_4, Yosif_3, Yubaba_25, Zahlia_25, Zainub_3, Zaka_4, ZamZam_2, Zeeculate_1, Zephyr_1, Zeta1847_76, Zeuska_1, Zulu_4, phiHau3_1,

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

- AFIS_1, AgronaGT15_1, Amela_2, Bachome_4, BreSam8_1, Colbster_1, Cullens_1, Daishi_1, Daudau_2, Dieselweasel_1, Ebony_4, Gemma_1, GingkoMaracino_1, HashRod_2, Heliosoles_1, JenCasNa_1, Jobu08_1, KSSJEB_1, Kalnok_2, Kimba_4, LBerry_1, LittleLaf_90, LugYA_3, MadMarie_1, Magnito_1, Marie_1, MoneyMay_1, MrGordo_1, Orange_4, P28Green_1, Papez_2, Pawn_1, Pembroke_1, Phoebe_1, PhrostyMug_1, Pinto_1, PotatoSplit_2, PurpleHaze_1, Rummer_1, Sabia_1, SoilDragon_1, Soshari_3, SunkenRoot_4, Taurus_1, Tefunt_2, TinyPebbles_1, Toaka_4, Trouble_1, Wooldri_3, Zetzy_1,

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

- Aaronocolus_2, Abrogate_20, Abscondus_13, AceofSpades_68, Agatha_71, AgentM_1, Airmid_1, Aliter_4, Alma_4, Amok_68, Angelique_76, Aphelion_14, Apricot_101, Aragog_1, Archetta_1, Arianna_54, Arissanae_4, Asten_2, Astro_1, Axym_69, Ayanochan_5, Azira_67, Bachita_15, Balloona_71, Bantam_8, BarryBee_3, BearBQ_102, BeardedLady_2, Beemo_4, Benedict_1, Bernal13_59, Birdsong_96, BogosyJay_4, Bovely_2, Bradissa_76, Brataylor_2, BritBrat_98, BrutonGaster_7, BryanRecycles_2, Bubble_70, Burnsey_70, Button_71, Buttrmlkdreams_71, Caliburn_2, Cardigan_14, Cashline_76, Catalina_4, Celeste_2, Cerulean_1, Chadwick_1, ChampagnePapi_1, Charm_4, Chucky_2, Chupacabra_1, Cindaradix_1, ClubL_14, CocoaPuff_70, Conquerage_4, Conspiracy_1, Coog_1, Crater_100, Cuco_1, Cucurbita_13, Culver_13, Danzina_2, Daredevil_10, Darrell_4, DARTHPhader_4, DatBoi_9, Dattran_2, Discoknowium_1, Dixon_1, Drake94_1, Dre3_68, DreamCatcher_2, DreamTeam1_4, Dusty_13, Dwayne_2, EMSquaredA_80, EagleEye_4, Eaglepride_1, Eddasa_2, Edison31_1, Eidsmoe_4, Ejemplo_2, ElTiger69_1, Elener_66, Elephantoon_4, Elinal_76, Emaanora_3, Emalyn_67, EmyBug_4, EnalisNailo_76, Engineer_14, Esperer_2, ExplosioNervosa_4, Farewell_96, Fayely_4, Floral_80, FlyCatcher_1, Footloose_71, ForGetIt_1, Fred313_1, Fribs8_67, Gaia_169, Gattaca_91, Geeche_13, GiKK_75, Goby_2, Godpower_2, GoongGoong_93, Goose_1, Heathen_1, HeiDan_1, HippoPololi_68, Hippo_2, Horseradish_71, HortumSL17_4, HuhtaEnerson15_1, Hydra_3, Ibrahim_59, Indigo_2, Izzy_2, Jabiru_1, Jablanski_82, Jamzy_76, Jash_2, JasmineDragon_70, JonJames_13, Jovo_1, Juicebox_59, Kachowdy_1, Katalie_2, KayGee_74, Keziacharles14_4, KittenMittens_1, Klodlith_4, Kristoff_2, Kuwabara_94, LHTSCC_1, Lannister_3, Lauer_66, Legacy_2, Lev2_1, Leviticus_2, Lika_2, LittleCherry_1, LoneWolf_4, LonelyBoi_78, Lorelei_2, Lozinak_14, Lucyedi_4, LunaStella_101, MAnor_73, Maminiaina_4, Maneekul_2, Margaret_75, Marsha_2, Mayweather_74, McDazzle_71, Mendokysei_63, Midas2_1, Milcery_1, MiniMommy_70, Miskis_12, Mollymur_10, MortyNRick_97, MosMoris_88, MunkgeeRoachy_69, MyraDee_1, Myxus_4, Nabi_2, Naca_1, Nairb_57, Nanodon_3, NearlyHeadless_1, Nebkiss_165, Nerdos_2, Nette_66, Nibbles_67, Nodigi_74, Norvs_14, OKCentral2016_1, Oliynyk_2, OneUp_9, Orla_75, Ozzie_2, OzzyJ_3, PackMan_4, PainterBoy_4, PeaceMeal1_1, PetterN_1, Phaeder_4, Phantastic_1, Pharaoh_4, Phettuccine_2, Phillis_1, PhinkBoden_15, Phlorence_1, Phonnegut_4, PickleBack_1, Pioneer_4, Pollux_82, Pons_74, Poompha_1, Posh_79, PotPie_71, Poushou_54, Priya_4, Pytheas_83, Qobbit_4, Quasar_71, Rahalelujah_4, Rana_2, RanchParmCat_74, Rebeuca_2, RedBear_3, Renaud18_112, RhynO_1, Roary_1, Roimos_1, RonRayGun_59, Ruotula_2, Rusticus_2, RyeScarlet_5, SPB78_77,

Saintus_1, Sanya_1, SarahRose_2, Scherzo_4, Scorpia_1, Scout_1, Severus_1, ShakeltOph_70, SheaKeira_4, Sheen_1, Smeadley_1, Smoothie_14, Snorlax_2, South40_2, Sparky_95, SpeedDemon_90, Spouty_4, Stephig9_1, Stink_1, Sujidade_2, SummitAcademy_71, SunsetPointe_2, Survivors_69, SweatNTears_71, TChen_101, TAgePhighter_3, Tailonex_1, Tiger_1, Toma_2, Toniann_14, Topanga_1, Toro_1, TouchMeNot_54, Towmatter_9, Triste_2, Troje_71, TuanPN_2, Tubs_4, Twister_1, UnionJack_87, Unstoppable_2, VWB_70, Vanisoa_4, Vine_74, VroomVroom_67, WalterMcMickey_1, Werner_2, Whatever_2, Whitty_58, WilliamBoone_12, Wolfwood_69, Wrigley_81, Yakult_74, Yasdnil_2, Yucky_74, Yummy_71, Yvonnetastic_14, Zareef_67, Zemlya_2, ZenTime222_65, Zimmer_4,

Summary by start number:

Start 68:

- Found in 1 of 1140 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amela_2 (BD3),

Start 73:

- Found in 27 of 1140 (2.4%) of genes in pham
- Manual Annotations of this start: 2 of 1062
- Called 7.4% of time when present
- Phage (with cluster) where this start called: Brataylor_2 (BD1), Whatever_2 (BD1),

Start 78:

- Found in 10 of 1140 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 1062
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Heathen_1 (A3), HelDan_1 (A3),

Start 79:

- Found in 3 of 1140 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Godpower_2 (BD1),

Start 90:

- Found in 6 of 1140 (0.5%) of genes in pham
- Manual Annotations of this start: 6 of 1062
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bernal13_59 (T), Ibrahim_59 (T), Nairb_57 (T), RonRayGun_59 (T), Whitty_58 (T), ZenTime222_65 (T),

Start 94:

- Found in 6 of 1140 (0.5%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Nette_66 (T),

Start 102:

- Found in 7 of 1140 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 1062

- Called 28.6% of time when present
- Phage (with cluster) where this start called: ChampagnePapi_1 (A4), Stink_1 (A4),

Start 103:

- Found in 4 of 1140 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 1062
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cindaradix_1 (A4), Rebeuca_2 (A10),

Start 113:

- Found in 11 of 1140 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Daudau_2 (BD2),

Start 122:

- Found in 81 of 1140 (7.1%) of genes in pham
- Manual Annotations of this start: 4 of 1062
- Called 4.9% of time when present
- Phage (with cluster) where this start called: Magnito_1 (A1), PhrostyMug_1 (A1), Pinto_1 (A1), Trouble_1 (A1),

Start 127:

- Found in 31 of 1140 (2.7%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 3.2% of time when present
- Phage (with cluster) where this start called: Papez_2 (A1),

Start 132:

- Found in 23 of 1140 (2.0%) of genes in pham
- Manual Annotations of this start: 3 of 1062
- Called 13.0% of time when present
- Phage (with cluster) where this start called: ExplosioNervosa_4 (A9), Qobbit_4 (A9), Toaka_4 (A9),

Start 133:

- Found in 6 of 1140 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 33.3% of time when present
- Phage (with cluster) where this start called: GiKK_75 (CT), Tailonex_1 (singleton),

Start 136:

- Found in 188 of 1140 (16.5%) of genes in pham
- Manual Annotations of this start: 36 of 1062
- Called 19.1% of time when present
- Phage (with cluster) where this start called: AFIS_1 (A1), AgronaGT15_1 (A3), BreSam8_1 (A3), Colbster_1 (A3), Cullens_1 (A3), Daishi_1 (A3), Danzina_2 (BD1), Dieselweasel_1 (A3), Gemma_1 (A3), GingkoMaracino_1 (A3), HashRod_2 (A3), Heliosoles_1 (A3), JenCasNa_1 (A3), Jobu08_1 (A3), KSSJEB_1 (A1), Kalnoky_2 (A3), LBerry_1 (A3), LugYA_3 (A3), MadMarie_1 (A3), Marie_1 (A3), MoneyMay_1 (A3), MrGordo_1 (A1), P28Green_1 (A3), Pawn_1 (A3), Pembroke_1 (A3), Phoebe_1 (A3), PotatoSplit_2 (A3), PurpleHaze_1 (A3), Rummer_1 (A3), Sabia_1 (A3), SoilDragon_1 (A3), Soshari_3 (A3), Taurus_1 (A3), TinyPebbles_1 (A3), Wooldri_3

(A3), Zetzy_1 (A3),

Start 138:

- Found in 5 of 1140 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 1062
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Bubble_70 (CT), Quasar_71 (CT),

Start 141:

- Found in 20 of 1140 (1.8%) of genes in pham
- Manual Annotations of this start: 3 of 1062
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Fred313_1 (A3), Kachowdy_1 (A3), Phantastic_1 (A3), Roimos_1 (A3), Scout_1 (A3),

Start 142:

- Found in 42 of 1140 (3.7%) of genes in pham
- Manual Annotations of this start: 40 of 1062
- Called 95.2% of time when present
- Phage (with cluster) where this start called: AgentM_1 (A5), Aragog_1 (A5), Archetta_1 (A5), Benedict_1 (A5), Chadwick_1 (A5), Chupacabra_1 (A10), Conspiracy_1 (A5), Coog_1 (A5), Cuco_1 (A5), Discoknowium_1 (A5), Drake94_1 (A10), Eaglepride_1 (A10), Edison31_1 (A10), EITiger69_1 (A5), ForGetIt_1 (A5), Goose_1 (A10), HuhtaEnerson15_1 (A5), Jabiru_1 (A5), Jovo_1 (A5), KittenMittens_1 (A10), Kristoff_2 (A10), Lev2_1 (A5), LittleCherry_1 (A5), Midas2_1 (A5), Milcery_1 (A5), Naca_1 (A5), OKCentral2016_1 (A10), PeaceMeal1_1 (A10), PetterN_1 (A5), Phlorence_1 (A5), PickleBack_1 (A5), Poompha_1 (A10), RhynO_1 (A10), Scorpia_1 (A5), Severus_1 (A10), Tiger_1 (A5), Topanga_1 (A10), Twister_1 (A10), UnionJack_87 (A5), WalterMcMickey_1 (A10),

Start 149:

- Found in 3 of 1140 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FlyCatcher_1 (A7), Sheen_1 (A7), Toro_1 (A7),

Start 151:

- Found in 21 of 1140 (1.8%) of genes in pham
- Manual Annotations of this start: 3 of 1062
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Buttrmlkdreams_71 (CT), Horseradish_71 (CT), Tefunt_2 (BD2),

Start 154:

- Found in 34 of 1140 (3.0%) of genes in pham
- Manual Annotations of this start: 26 of 1062
- Called 82.4% of time when present
- Phage (with cluster) where this start called: AceofSpades_68 (AZ4), Agatha_71 (CT), Amok_68 (CT), Axym_69 (CT), Azira_67 (CT), Burnsey_70 (CT), Button_71 (CT), Dre3_68 (CT), Emalyn_67 (CT), Fribs8_67 (CT), HippoPololi_68 (CT), Jamzy_76 (CT), JasmineDragon_70 (AZ4), Margaret_75 (CT), MiniMommy_70 (AZ4), MunkgeeRoachy_69 (CT), Nibbles_67 (CT), Nodigi_74 (CT), Orla_75 (CT),

RanchParmCat_74 (CT), ShakeltOph_70 (AZ4), Survivors_69 (CT), SweatNTears_71 (CT), Troje_71 (CT), VroomVroom_67 (AZ4), Wolfwood_69 (CT), Yakult_74 (CT), Zareef_67 (CT),

Start 156:

- Found in 41 of 1140 (3.6%) of genes in pham
- Manual Annotations of this start: 11 of 1062
- Called 29.3% of time when present
- Phage (with cluster) where this start called: Cerulean_1 (A4), Elinal_76 (CT), KayGee_74 (CT), LHTSCC_1 (A4), MAnor_73 (CT), Mayweather_74 (CT), McDazzle_71 (CT), Pons_74 (CT), PotPie_71 (CT), SummitAcademy_71 (CT), Vine_74 (CT), Yucky_74 (CT),

Start 157:

- Found in 40 of 1140 (3.5%) of genes in pham
- Manual Annotations of this start: 33 of 1062
- Called 95.0% of time when present
- Phage (with cluster) where this start called: Aliter_4 (A9), Alma_4 (A9), Arissanae_4 (A9), Ayanochan_5 (A9), Beemo_4 (A9), BogosyJay_4 (A9), Catalina_4 (A9), Charm_4 (A9), Conquerage_4 (A9), Darrell_4 (A9), DreamTeam1_4 (A9), EagleEye_4 (A16), Eidsmoe_4 (A9), Elephantoon_4 (A9), EmyBug_4 (A9), Fayely_4 (A9), HortumSL17_4 (A9), Keziacharles14_4 (A9), Klodlith_4 (A9), LoneWolf_4 (A9), Lucyedi_4 (A16), Maminaiaina_4 (A9), Myxus_4 (A9), PackMan_4 (A9), PainterBoy_4 (A16), Phaeder_4 (A9), Phonnegut_4 (A9), Pioneer_4 (A9), Priya_4 (A9), Rahalelujah_4 (A9), RyeScarlet_5 (A9), SPB78_77 (BA), Scherzo_4 (A9), SheaKeira_4 (A9), Spouty_4 (A9), Tubs_4 (A9), VWB_70 (BA), Vanisoa_4 (A9),

Start 158:

- Found in 4 of 1140 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 1062
- 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 159:

- Found in 58 of 1140 (5.1%) of genes in pham
- Manual Annotations of this start: 54 of 1062
- Called 93.1% of time when present
- Phage (with cluster) where this start called: Aaronocolus_2 (BD1), Asten_2 (BD1), BarryBee_3 (BD1), BeardedLady_2 (BD1), Bovely_2 (BD1), BryanRecycles_2 (BD1), Caliburn_2 (BD1), Celeste_2 (BD1), Chucky_2 (BD1), Dattran_2 (BD1), Dwayne_2 (BD1), Eddasa_2 (BD1), Ejemplo_2 (BD1), Emaanora_3 (BD1), Esperer_2 (BD1), Gattaca_91 (S), Goby_2 (BD1), GoongGoong_93 (S), Hippo_2 (BD1), Hydra_3 (BD1), Indigo_2 (BD1), Izzy_2 (BD1), Jash_2 (BD1), Katalie_2 (BD1), Lannister_3 (BD1), Legacy_2 (BD1), Leviticus_2 (BD1), Lika_2 (BD1), Lorelei_2 (BD1), Maneekul_2 (BD1), MosMoris_88 (S), Nabi_2 (BD1), Nanodon_3 (BD1), Nerdos_2 (BD1), Oliynyk_2 (BD1), Ozzie_2 (BD1), OzzyJ_3 (BD1), Phettuccine_2 (BD1), Rana_2 (BD1), RedBear_3 (BD1), Rusticus_2 (BD1), SarahRose_2 (BD1), Snorlax_2 (BD1), South40_2 (BD1), Sujidade_2 (BD1), SunsetPointe_2 (BD1), TAGEPghter_3 (BD1), Toma_2 (BD1), Triste_2 (BD1), TuanPN_2 (BD1), Unstoppable_2 (BD1), Werner_2 (BD1), Yasdnil_2 (BD1), Zemlya_2 (BD1),

Start 160:

- Found in 853 of 1140 (74.8%) of genes in pham
- Manual Annotations of this start: 746 of 1062
- Called 94.1% of time when present
- Phage (with cluster) where this start called: 20ES_4 (A2), 40AC_5 (A17), AEgle_67 (AZ1), AN3_4 (A2), AN9_4 (A2), ANI8_4 (A2), AbbyPaige_5 (A2), Abbyshoes_2 (A1), Acme_2 (A1), Acolyte_4 (A2), Adahisdi_1 (A1), Adolin_71 (AZ1), Adumb2043_68 (AZ1), Adzzy_4 (A2), Aeneas_1 (A1), Agape74_5 (A2), Aglet_1 (A3), Ajay_1 (A1), Aldrich_2 (A1), Alsaber_3 (BD3), Alsfro_2 (A1), Altman_3 (A1), Alucard_25 (EE), Alvin_3 (A1), Alvy_3 (BD2), Amethyst_2 (BD2), Amploria_69 (AZ1), Amyev_68 (AZ1), Anaysia_4 (A15), Andris_2 (BD2), Aneem_4 (A11), Anglerfish_2 (A1), Animus_3 (BD2), AnnaL29_4 (A2), Anon_4 (A15), Anselm_5 (A2), Anseraureola_25 (EE), Anthony_1 (A20), Anubis_3 (A3), Applejack_1 (A1), Arcanine_2 (A1), ArcherNM_4 (A2), Aries55_25 (EE), Arlo_2 (A1), Artemis2UCLA_4 (A6), Asa16_69 (AZ1), Ascela_71 (AZ1), Ashballer_1 (A1), Astro16_25 (EE), Atkinbua_1 (A1), Attoomi_53 (singleton), AugsMagnumOpus_3 (A3), Avvas_25 (EE), Axiom_3 (BD2), Azizam_25 (EE), Aztec_25 (EE), BABullseye_4 (A6), BPBiebs31_2 (A1), BabyBack_4 (A2), BabyRay_1 (A3), BaconJack_2 (A1), Bactobuster_4 (A2), Baehexic_5 (A2), Baine_25 (EE), BarBear_25 (EE), Barnstormer_77 (EH), Barriga_2 (A1), BarrowTuph_1 (A1), BartholomewSD_3 (BD2), Battleship_5 (A15), Beatrix_1 (A1), Beauxregard13_1 (A3), Beelzebub_96 (S), BeesKnees_2 (A1), Belthelas_25 (EE), BengiVuitton_4 (A2), Benvolio_5 (A2), Berrie_69 (AZ1), Bethlehem_2 (A1), Bexan_1 (A1), BiancaTri92_4 (A2), Big3_1 (A1), BigMau_3 (A1), BigPaolini_1 (A1), Bigchungi_1 (A1), Bigfoot_1 (A1), BillKnuckles_2 (A1), BinkBonk_25 (EE), Bintii_25 (EE), Bircsak_2 (A1), Biscayne_25 (EE), Blackbeetle_93 (S), BlessJoy_4 (A6), Blessor_1 (A1), Blinn1_4 (A6), BluSpix_1 (A1), Blue7_4 (A6), BlueBird_1 (A3), Blue_3 (A1), Bob3_2 (A1), BobSwaget_5 (A2), Bodhi17_25 (EE), BonaeVitae_27 (EE), Bones_1 (A1), Boohoo_4 (A15), BoomRoasted_25 (EE), Bowden_2 (BD2), Bowtie_4 (A11), Bradley2_25 (EE), Bri160_25 (EE), Briton15_2 (A1), BroPlease_1 (BD4), BrokMonster_25 (EE), Bruns_1 (A1), Bud_4 (A11), Buggy_5 (A2), Bullzi2019_26 (EE), Burgy_25 (EE), BurtonThePup_25 (EE), Burton_2 (A1), Buttons_2 (A1), Bxb1_1 (A1), Bxz2_1 (A3), C3_04 (A2), CRB1_4 (A2), CactusRose_1 (A1), Caelum_3 (BD2), Caprice_85 (S), Carlyle_2 (A1), Caron_82 (EH), Cassia_68 (AZ1), Caviar_1 (A3), Cayde6_25 (EE), Cazares_25 (EE), Celery_4 (BD3), Celia_2 (BD6), Centaur_5 (A2), Chanagan_2 (A1), Changeling_4 (A2), Charbie_25 (EE), Chargerpower_5 (A22), Chartreuse_4 (A6), Chatham_25 (EE), Che12_4 (A2), Cheesecake_25 (EE), ChipMunk_5 (A2), Ciao_1 (A1), Ciel_25 (EE), Clarkson_93 (S), CloudWang3_4 (A6), Clownery_25 (EE), Colin_5 (A2), Community_70 (AZ1), Conan_4 (BD3), ConceptII_2 (A1), Concrete_25 (EE), Cookiedough_4 (A6), Corazon_87 (S), Corvo_2 (A1), Crewmate_74 (AZ1), Crispicious1_1 (A1), Crucio_5 (A2), Cueyllyss_1 (A1), Cyan_70 (AZ1), D29_4 (A2), D32_4 (A2), DBQu4n_4 (A2), DD5_2 (A1), DaHudson_1 (A3), DaVinci_4 (A6), DaftyDuck_25 (EE), Dalmatian_5 (A2), Danimal_25 (EE), Danno_25 (EE), DeerParkTS_4 (A2), DekHockey33_4 (A15), Deloris_4 (A2), Dexes_2 (A1), Diane_2 (BD2), Dignity_5 (A2), DirtDevil_2 (A1), DirtPie_25 (EE), Dongwon_25 (EE), Dooby_25 (EE), Doom_1 (A1), Dorothea_4 (A6), Duggie_25 (EE), DrFeelGood_1 (A1), DrManhattan_72 (AZ1), DrSierra_66 (AZ1), Drake55_5 (A2), Dreamboat_2 (A1), DroogsArmy_1 (A7), DudeLittle_5 (A2), Duggle_26 (EE), Dulcie_1 (A1), Duplo_4 (A2), Dussy_2 (A1), Dynamix_2 (A1), ELee24_24 (EE), EZMoney23_4 (A2), Echild_5 (A2), EdElric_25 (EE), Edtherson_2 (A1), Efeko_27 (EE), Eightball_25 (EE), Ekko14_26 (EE), ElGato_4 (BD3), Elezi_68 (AZ1), Elle_4 (A15), Elspeth_26 (EE), Emotion_74 (AZ4), EnochSoames_2 (BD1), EnzoK_1 (A1), EpicPhail_1 (A3), Epsocamisio_4 (A15), Equemioh13_5 (A2), Eraser_69 (AZ1), EricB_4 (A6), Erin_25 (EE), Espresso_2 (A1), Euphoria_2 (A1), EvilGenius_5 (A2), Exile_60 (AZ6), Eyeball_1 (A1), Fajezeel_2 (A1), Fameo_5 (A2), Farber_1 (A3), Fascinus_1 (A1),

FeliMaine_92 (S), Fenn_1 (A1), Fernando_1 (A3), Fibonacci_4 (A11), FiringLine_5 (A2), First_004 (A2), Flare16_5 (A2), Flaverint_4 (A11), Floof_81 (EH), Flutur_69 (AZ), Forsytheast_1 (A1), Francis47_2 (A1), Froghopper_2 (A1), Fushigi_2 (A1), GMonster_2 (A1), Gabbspett_25 (EE), GageAP_2 (A1), Gail_4 (A14), Gandalf20_2 (A1), GardenState_76 (EH), Gardevoir_25 (EE), GaugeLDP_4 (A2), Georgie2_5 (A2), Gilberta_4 (A11), Gillker_25 (EE), GirlDinner_2 (BD2), Giroux_1 (A3), Gladiator_4 (A6), Godfather_25 (EE), GoldenBlanche_25 (EE), Gompeii16_2 (A1), Goobery_25 (EE), Goulash_26 (EE), Graduation_1 (A1), Grayscar_27 (EE), GrecoEtereo_2 (A1), GreedyLawyer_4 (A6), GreenWeasel_1 (BD4), Greg_2 (A1), Gretchen_74 (EH), Grif_1 (A3), GroundGoblin_2 (A1), Groupthink_2 (A3), Grub_1 (A3), Grum1_1 (A3), Gruunaga_4 (A6), GtownJaz_1 (A3), Gwendoluna_1 (A1), Gyzlar_2 (A1), HINdeR_1 (A7), Haizum_2 (BD2), Hami1_1 (A1), Hammer_4 (A6), Hank144_2 (BD2), HarperAnne_26 (EE), HarryHoudini_5 (A2), HarryOW_2 (A1), HaveUMetTed_2 (A3), HeadMave_25 (EE), Heffalump_5 (A2), Helmet_4 (A6), Herbertwm_1 (A2), Hercules11_1 (A3), Hermia_2 (A1), HermioneGrange_2 (A1), Hernandez44_25 (EE), Hexamo_4 (A6), HippoHollow_4 (A2), Homines_2 (A1), Honk_82 (EH), Hookmount_1 (A3), Hoot_4 (A6), Hope4ever_1 (A1), Horacetta_25 (EE), Hulk_25 (EE), Huphlepuuff_94 (S), Hutc2_4 (A11), IAmGroot_75 (EH), ILeeKay_1 (A1), IUFootball_69 (AZ2), Ichabod_2 (A1), IgnatiusPatJac_1 (A1), Indra_4 (A6), Insomnia_4 (A11), Inyanga_1 (A1), Iqorha_1 (A1), IronMan_4 (A2), Isca_1 (A3), Isiphiwo_4 (A6), Issmi_2 (BD2), Iter_70 (AZ1), IttyBittyPiggy_70 (AZ1), Itza_2 (BD6), Iwokeuplikedis_5 (A2), IzzyPants24_25 (EE), JC27_2 (A1), JF2_1 (A3), JF4_1 (A3), JHC117_1 (A3), JRok_25 (EE), JSwag_4 (A15), Jaan_4 (A2), Jabith_4 (A11), JackSparrow_1 (A1), Jahseh_25 (EE), JaimeB_25 (EE), Janeemi_69 (AZ1), Jannah_25 (EE), Janus_3 (BD2), Jasper_2 (A1), Jeeves_4 (A14), Jeffabunny_4 (A6), Jella_27 (EE), JeppNRM_2 (A3), Jerky_25 (EE), Jerm2_2 (A1), Jerm_5 (A2), Jevington_3 (BD2), JewelBug_4 (A6), Jhitchelle_2 (BD3), JoBros_25 (EE), Joemato_71 (AZ1), JohnDoe_70 (AZ1), JoieB_93 (S), JooneeDee_25 (EE), Jordennis_4 (A6), Jorgensen_2 (A1), Joselito_4 (A11), JoshKayV_5 (A2), Josuke_25 (EE), Journey13_4 (A2), Jsquared_4 (A2), JuliaChild_2 (A1), JuneStar_68 (AZ1), KADY_2 (A3), KBG_2 (A1), Kaijohn_25 (EE), Kaine_3 (BD3), Kalb97_2 (A3), Kalpine_4 (A2), Kanely_3 (A1), KatherineG_4 (A15), KayPaulus_25 (EE), Kaylissa_71 (AZ1), Kazan_4 (A6), KeAlii_67 (AZ1), Kenmech_2 (A1), Kerberos_4 (A2), Kevanna_25 (EE), KikiBouba_2 (A1), KillerTomato_25 (EE), Killigrew_1 (A1), Kimona_1 (A19), KingCyrus_5 (A2), Kipper29_4 (A6), Koduck_4 (A2), Kojax4_25 (EE), Koko_4 (A6), Kugel_1 (A1), KyMonks1A_1 (A1), Kykar_1 (A1), KyriosFaba_25 (EE), L5_4 (A2), LadyBird_4 (A2), Lambert1_1 (A3), Lamina13_2 (A1), Landor_4 (A2), Larenn_5 (A2), LarryKay_1 (A3), LastResort_4 (A15), LaviMo_25 (EE), Leafy_25 (EE), Lego_69 (AZ1), LemonPepper_25 (EE), Leogania_4 (A2), Lesedi_1 (A1), Levia_1 (A1), Leviathan_5 (A2), Licorice_2 (A1), Liebe_69 (AZ2), LilBib_1 (A1), LilTurb_5 (A2), Lilbit_88 (S), Lilbunny_4 (A6), Lilith_1 (A3), LionelHutz_25 (EE), LionsBait_4 (A2), Livingwater_25 (EE), Lizalica_69 (AZ1), Loca_25 (EE), Lockley_2 (A1), Lokk_5 (A2), Lola20_25 (EE), London_69 (AZ1), Loofah_3 (BD2), Looper_4 (A15), Lopton_2 (A1), Loser_4 (A2), Louie6_1 (A3), Luchador_4 (A14), Lucivia_4 (A11), LunarLander_1 (A1), Lunatic_25 (EE), Luxx_25 (EE), MA5_1 (A3), MK4_1 (A3), MPlant7149_2 (A1), MaCh_4 (A11), MaGuCo_63 (AZ2), Mabodamaca_75 (EH), Madebyisha_25 (EE), Magnar_1 (A1), Mainiac_1 (A3), Majesty_25 (EE), Makemake_2 (A1), MalagasyRose_85 (AG), Malec_5 (A2), Malinsilva_3 (A3), ManAs_25 (EE), Manatee_2 (A1), Maneater_25 (EE), Manu_2 (A3), MarQuardt_1 (A3), Marav_3 (BD2), Marcell_2 (A1), Marchy_2 (A1), Marco3_1 (A1), Marge_1 (A1), Margo_1 (A3), Marichuy_26 (EE), Marius_2 (A3), Maroc7_1 (A1), Marvin_86 (S), MaryBeth_2 (A1), MasterPitts_25 (EE), MauiIvory_24 (EE), Maureen_69 (AZ2), McFly_4 (A6), McGuire_2 (A1), McShie_25 (EE), McSinger_2 (A1), MelBee03_25

(EE), MetalQZJ_2 (A1), Methuselah_1 (A3), Miaurora_25 (EE), Michley_1 (A1), Microwolf_1 (A3), MiculUcigas_5 (A2), Miko_5 (A2), MinecraftSteve_5 (A15), Minima_25 (EE), MirimarMandM_25 (EE), MissSwiss_70 (AZ1), MissWhite_4 (A2), Mkhuseleli_1 (A1), Molly_2 (A1), Monet_2 (A1), Moose_1 (A1), MrGreen_25 (EE), Mryolo_1 (A1), Mudpuppy_68 (AZ1), Mulciber_4 (A11), Mule_1 (A1), Munch_4 (A11), Museum_3 (A1), Myram_25 (EE), NEHalo_2 (A1), NaSiaTalie_5 (A2), Naby_26 (EE), Naira_1 (A1), Naji_4 (A2), Namsahir_27 (EE), Nebulosus_4 (A15), Nedarya_4 (A15), Neeharika16_4 (A6), Nergal_81 (AG), Nerujay_1 (A1), NeumannU_25 (EE), Newrala_4 (A6), Nhonho_2 (A1), NicoleTera_4 (A2), Niffler_25 (EE), Niobe_69 (AZ1), Nishikigoi_2 (BD2), Nitro_70 (AZ1), Niza_3 (A1), Nobel_25 (EE), Noelani_25 (EE), Noella_1 (A3), Norz_2 (A1), Noxious_2 (A1), Oaklynn_25 (EE), ObiToo_74 (AZ1), Octopus_25 (EE), OdetoJoy_25 (EE), Odin_3 (A2), Ohno789_1 (A1), OlanP_1 (A3), Ollie_1 (A3), Omar_2 (BD2), Oofda_4 (A15), Oogway_1 (A1), Otwor_25 (EE), Owens_25 (EE), PGHhamlin_3 (A3), PSullivan_2 (A1), Pablito_2 (BD2), PacerPaul_2 (A1), Paedore_3 (BD2), PandaPo_69 (AZ1), PaoPu_25 (EE), Paolo_3 (BD2), Paphu_1 (A1), Paraselene_1 (A1), Pari_2 (A1), Parliament_1 (A1), PascalRango_2 (A1), PattyP_2 (A1), Pavo_3 (BD3), Payneful_2 (A1), Pelly_2 (A1), Penny1_1 (A3), Pepe_2 (A1), Percival_75 (EH), Perseus_1 (A1), Peterson_1 (A1), Petp2012_2 (A1), Petruccio_2 (A1), Ph8s_4 (A2), Phaded_4 (A2), PherrisBueller_2 (A1), PhineBark_1 (A1), PhishRPhriends_1 (A3), Phives_70 (AZ1), Phlippers_1 (A1), Phoxy_1 (A3), Phranny_2 (A3), Picconator_26 (EE), Picnic_25 (EE), PinkPlastic_1 (A1), Pippin_2 (A1), Piro94_4 (A2), Pistachio_1 (A3), Pita2_2 (A1), Pixelle_68 (AZ1), Pmask_4 (A6), PoRanda_25 (EE), Pocahontas_1 (A3), Poise_93 (S), Polyphemus_4 (A6), Pomar16_4 (A2), Pondwater_25 (EE), PowerRanger_1 (A1), Power_5 (A2), Powerpuff_71 (AZ1), Priamo_4 (A6), Pringar_88 (S), ProMouse_1 (A1), Provolone_4 (BD3), Publix_26 (EE), Puddles3_26 (EE), PuffyCat_25 (EE), Puginator_3 (BD2), Pukovnik_4 (A2), Puppet_1 (A1), Puppy_1 (A3), QTRLifeCrisis_1 (A1), Quaker_25 (EE), QueenB2_5 (A2), QueenBeesly_5 (A2), R4_1 (BD2), Rachaly_5 (A2), Raela_94 (S), Raid_2 (A1), Rajelicia_2 (A1), ReMo_4 (A15), Reba_2 (A3), RedRaider77_92 (S), RedRock_4 (A2), Reedo_68 (AZ1), Refuge_4 (A12), Remus_4 (A15), ResDef_1 (A3), Retro23_5 (A2), Rhogar_25 (EE), Rhynn_1 (A1), Rhysand_25 (EE), RidgeCB_2 (A1), Rifter_4 (A6), Ringer_1 (A1), Rira_25 (EE), Rohr_2 (A1), Roksolana_4 (A6), Rosalind_4 (A15), RoscoWindex_25 (EE), Rubeus_2 (A1), Rufus_2 (A1), Rutherford_1 (A1), STLscum_2 (A1), Sabinator_1 (A3), Sachet_26 (EE), Saftant_2 (BD3), Sage7_25 (EE), Sagefire_2 (A1), Salz_4 (A11), Samy_101 (singleton), SantasSleigh_25 (EE), SarFire_2 (A1), Sara_25 (EE), Scamander_25 (EE), Scowl_2 (A1), Scrunchy_25 (EE), SeaWolves_25 (EE), Seabiscuit_2 (A1), Seanderson_1 (A1), SemperFi_5 (A2), Serenity_4 (A2), Sham4_4 (A11), ShayRa_5 (A15), ShortQueendom_1 (A1), Sibs6_2 (A1), Sippinontea_25 (EE), Skelbel_70 (AZ1), SkiPole_2 (A1), Sknot_5 (A2), Slagathor_2 (A1), Slentz_25 (EE), Slizam_25 (EE), Smairt_1 (A1), Smeagan_5 (A2), Smeagol_1 (A1), SmellyB_4 (A6), SnapTap_5 (A2), Snape_4 (A11), Snazzy_1 (A1), Snek_68 (AZ3), Snickers_1 (A3), Snuffles_27 (EE), Solon_1 (A1), Soondubu_62 (AZ6), SororFago_4 (A14), Sorpresa_1 (A1), Soups_4 (A15), Speedwell_3 (BD3), Spike509_1 (A3), SpikeBT_1 (A1), SqueakyClean_3 (BD2), Squee_1 (A1), Stagni_1 (A3), StarStuff_4 (A2), Steamy_4 (A12), Stem_25 (EE), StepMih_1 (A3), StewieG_1 (A1), StrongArm_1 (A1), Strosahl_4 (A15), SuMoo_83 (EH), Subaru_69 (AZ1), Sudan_2 (BD3), Sue2_68 (AZ1), Sumter_1 (A1), Sunshine924_1 (A1), SuperAwesome_4 (A6), SuperCallie99_4 (A6), Superchunk_4 (A2), SweetiePie_5 (A2), SwirlSquare_4 (A2), SwissCheese_1 (A1), Switzer_2 (A1), Switzerland_4 (A15), Swole_2 (A1), TNguyen7_1 (A3), Tallboi_69 (AZ1), Target_2 (A1), TarsusIV_5 (A2), Tasp14_2 (A1), Tbone_69 (AZ1), TeddyBoy_25 (EE), Temprado_4 (A6), Teodoridan_1 (A1), Terrific_6 (A2), Tesla_88 (S), TforTroy_69 (AZ1), TheloniousMonk_2 (A1), Thestral_2 (BD2), Thor_2 (A1), ThursdayNight_73

(AZ), Tian_67 (AZ1), Tiffany_1 (A3), TimoTea_25 (EE), Timothy_4 (A11), Timshel_1 (A7), TinaBelcher_2 (BD2), TinyTimmy_4 (A11), TinyTruffula_25 (EE), TopsytheTRex_4 (A2), Todacoro_1 (A3), TomBrady12_26 (EE), Tomathan_4 (A2), Topgun_1 (A1), Tote_2 (A1), Trackstar_25 (EE), Traft412_3 (A1), Travvers_4 (A2), Treddle_2 (A1), Tripl3t_1 (A1), Trireme_25 (EE), Tristan_4 (A2), Triumph_3 (BD2), Trixie_4 (A2), Trooper_5 (A2), TrvxScott_2 (BD2), Tuck_69 (AZ1), Tucker_4 (A6), Turab_68 (AZ1), Turbido_5 (A2), Turj99_1 (A1), Tutumahutu_71 (AZ1), Tweety19_69 (AZ3), TwoPeat_2 (A1), Tyrellus_26 (EE), U2_2 (A1), Updawg_5 (A2), Upsilon_25 (EE), Urza_2 (BD6), UtzChips_77 (EH), VA6_4 (A2), VC3_4 (A2), VResidence_72 (AZ1), Vanisius_25 (EE), VasuNzinga_90 (S), Verabelle_3 (BD3), Verse_2 (BD3), VieEnRose_2 (BD6), Violet_2 (A1), VitulaEligans_25 (EE), Vix_1 (A3), VohminGhazi_4 (A6), Waits_4 (A15), Warda_70 (AZ1), Warrior24_4 (A15), Watermelon_2 (A1), Watson_1 (A3), WeiHuaDA_5 (A2), Whabigail7_5 (A2), Wheeler_2 (A1), Whitspit_2 (A1), WideWale_5 (A2), Wiks_4 (A6), Wildwest_65 (AZ1), Wilkins_1 (A1), Witch_25 (EE), Wolfpack_25 (EE), WunderPhul_4 (A6), XianYue_4 (A2), Yami_25 (EE), Yang_68 (AZ1), Yasuo_25 (EE), Yecey3_4 (A9), YertPhresh_25 (EE), YesChef_69 (AZ1), Yokurt_4 (A6), Yosif_3 (BD3), Yubaba_25 (EE), Zahlia_25 (EE), Zainub_3 (BD2), Zaka_4 (A6), ZamZam_2 (BD3), Zeeculate_1 (A1), Zephyr_1 (A1), Zeta1847_76 (EH), Zeuska_1 (A1), Zulu_4 (A6), phiHau3_1 (BD4),

Start 161:

- Found in 1 of 1140 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MyraDee_1 (A18),

Start 162:

- Found in 8 of 1140 (0.7%) of genes in pham
- Manual Annotations of this start: 8 of 1062
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Astro_1 (A8), Dixon_1 (A8), NearlyHeadless_1 (A8), Phillis_1 (A8), Roary_1 (A8), Saintus_1 (A8), Smeadley_1 (A8), Stephig9_1 (A8),

Start 163:

- Found in 3 of 1140 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 1062
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Gaia_169 (X), Nebkiss_165 (X),

Start 164:

- Found in 1 of 1140 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Juicebox_59 (singleton),

Start 165:

- Found in 27 of 1140 (2.4%) of genes in pham
- Manual Annotations of this start: 25 of 1062
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_13 (CQ1), Aphelion_14 (CQ1), 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), Smoothie_14 (CQ1), SpeedDemon_90 (DL), Toniann_14 (CQ1), Towmatter_9 (DL), WilliamBoone_12 (CQ1), Yvonnetastic_14 (DD),

Start 166:

- Found in 3 of 1140 (0.3%) of genes in pham
- Manual Annotations of this start: 3 of 1062
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arianna_54 (EO), Poushou_54 (EO), TouchMeNot_54 (EO),

Start 167:

- Found in 9 of 1140 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Airmid_1 (A5),

Start 169:

- Found in 2 of 1140 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1062
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Farewell_96 (AF), Sparky_95 (AF),

Start 170:

- Found in 4 of 1140 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 1062
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abrogate_20 (A1), DreamCatcher_2 (A1), Ruotula_2 (A1), Sanya_1 (A1),

Start 171:

- Found in 1 of 1140 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Footloose_71 (singleton),

Start 172:

- Found in 22 of 1140 (1.9%) of genes in pham
- Manual Annotations of this start: 22 of 1062
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Angelique_76 (CY1), Apricot_101 (DN3), BearBQ_102 (DN), Birdsong_96 (DN), Bradissa_76 (CY1), BritBrat_98 (CY2), Cashline_76 (CY6), Crater_100 (DN3), EMSquaredA_80 (CY1), EnalisNailo_76 (CY1), Floral_80 (CY1), Jablanski_82 (CY3), Kuwabara_94 (DN4), LonelyBoi_78 (CY7), LunaStella_101 (F4), MortyNRick_97 (DN), Pollux_82 (CY1), Posh_79 (CY4), Pytheas_83 (CY3), Renaud18_112 (F4), TChen_101 (F4), Wrigley_81 (CY4),

Start 174:

- Found in 35 of 1140 (3.1%) of genes in pham
- Manual Annotations of this start: 3 of 1062
- Called 11.4% of time when present

- Phage (with cluster) where this start called: Bachome_4 (A11), Ebony_4 (A11), Kimba_4 (A11), Orange_4 (A11),

Start 175:

- Found in 20 of 1140 (1.8%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 5.0% of time when present
- Phage (with cluster) where this start called: LittleLaf_90 (S),

Start 176:

- Found in 5 of 1140 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Yummy_71 (CT),

Start 177:

- Found in 3 of 1140 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Elener_66 (singleton),

Start 180:

- Found in 1 of 1140 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mendokysei_63 (T),

Start 185:

- Found in 183 of 1140 (16.1%) of genes in pham
- No Manual Annotations of this start.
- Called 0.5% of time when present
- Phage (with cluster) where this start called: SunkenRoot_4 (BD3),

Start 186:

- Found in 7 of 1140 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 1062
- Called 42.9% of time when present
- Phage (with cluster) where this start called: Balloona_71 (CT), CocoaPuff_70 (CT), Lauer_66 (CT),

Summary by clusters:

There are 56 clusters represented in this pham: DN, singleton, BA, DD, DL, DN3, A7, CY1, CY6, A15, A14, A17, A16, A11, A10, A12, AF, A19, A18, A1, BD4, A3, A2, BD1, A4, BD3, A6, A9, A5, CQ1, CY3, CY2, EO, CY7, EH, AG, CY4, EE, BD2, S, T, CQ2, X, AZ, CT, A20, A22, F4, A8, BD6, AZ1, AZ2, AZ3, AZ4, DN4, AZ6,

Info for manual annotations of cluster A1:

- Start number 122 was manually annotated 4 times for cluster A1.
- Start number 127 was manually annotated 1 time for cluster A1.
- Start number 136 was manually annotated 3 times for cluster A1.
- Start number 158 was manually annotated 1 time for cluster A1.
- Start number 160 was manually annotated 204 times for cluster A1.

- Start number 170 was manually annotated 3 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 103 was manually annotated 1 time for cluster A10.
- Start number 142 was manually annotated 15 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 160 was manually annotated 19 times for cluster A11.
- Start number 174 was manually annotated 3 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 158 was manually annotated 3 times for cluster A12.
- Start number 160 was manually annotated 2 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 160 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 160 was manually annotated 23 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 157 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 161 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 160 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 160 was manually annotated 105 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 160 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 160 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 78 was manually annotated 2 times for cluster A3.
- Start number 136 was manually annotated 32 times for cluster A3.
- Start number 141 was manually annotated 3 times for cluster A3.
- Start number 160 was manually annotated 65 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 102 was manually annotated 2 times for cluster A4.
- Start number 103 was manually annotated 1 time for cluster A4.
- Start number 156 was manually annotated 2 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 142 was manually annotated 25 times for cluster A5.
- Start number 167 was manually annotated 1 time for cluster A5.

Info for manual annotations of cluster A6:

- Start number 160 was manually annotated 46 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 149 was manually annotated 1 time for cluster A7.
- Start number 160 was manually annotated 3 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 162 was manually annotated 8 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 132 was manually annotated 3 times for cluster A9.
- Start number 157 was manually annotated 30 times for cluster A9.
- Start number 160 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AF:

- Start number 169 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 160 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AZ1:

- Start number 160 was manually annotated 44 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 160 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 160 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 154 was manually annotated 4 times for cluster AZ4.
- Start number 160 was manually annotated 1 time for cluster AZ4.

Info for manual annotations of cluster AZ6:

- Start number 160 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BD1:

- Start number 73 was manually annotated 2 times for cluster BD1.
- Start number 79 was manually annotated 1 time for cluster BD1.
- Start number 136 was manually annotated 1 time for cluster BD1.
- Start number 159 was manually annotated 51 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 113 was manually annotated 1 time for cluster BD2.
- Start number 151 was manually annotated 1 time for cluster BD2.
- Start number 160 was manually annotated 30 times for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 68 was manually annotated 1 time for cluster BD3.

- Start number 160 was manually annotated 13 times for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 160 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 160 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster CQ1:

- Start number 165 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 165 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CT:

- Start number 133 was manually annotated 1 time for cluster CT.
- Start number 138 was manually annotated 2 times for cluster CT.
- Start number 151 was manually annotated 2 times for cluster CT.
- Start number 154 was manually annotated 22 times for cluster CT.
- Start number 156 was manually annotated 9 times for cluster CT.
- Start number 176 was manually annotated 1 time for cluster CT.
- Start number 186 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster CY1:

- Start number 172 was manually annotated 6 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 172 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 172 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 172 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY6:

- Start number 172 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 172 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster DD:

- Start number 165 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:

- Start number 165 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 172 was manually annotated 3 times for cluster DN.

Info for manual annotations of cluster DN3:

- Start number 172 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 172 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster EE:

- Start number 160 was manually annotated 139 times for cluster EE.

Info for manual annotations of cluster EH:

- Start number 160 was manually annotated 12 times for cluster EH.

Info for manual annotations of cluster EO:

- Start number 166 was manually annotated 3 times for cluster EO.

Info for manual annotations of cluster F4:

- Start number 172 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster S:

- Start number 159 was manually annotated 3 times for cluster S.
- Start number 160 was manually annotated 15 times for cluster S.
- Start number 175 was manually annotated 1 time for cluster S.

Info for manual annotations of cluster T:

- Start number 90 was manually annotated 6 times for cluster T.
- Start number 180 was manually annotated 1 time for cluster T.

Info for manual annotations of cluster X:

- Start number 163 was manually annotated 2 times for cluster X.

Gene Information:

Gene: 20ES_4 Start: 2483, Stop: 2779, Start Num: 160

Candidate Starts for 20ES_4:

(Start: 160 @2483 has 746 MA's),

Gene: 40AC_5 Start: 2296, Stop: 2592, Start Num: 160

Candidate Starts for 40AC_5:

(Start: 160 @2296 has 746 MA's), (206, 2413),

Gene: AEgle_67 Start: 42706, Stop: 43008, Start Num: 160

Candidate Starts for AEgle_67:

(Start: 160 @42706 has 746 MA's), (179, 42757), (185, 42772), (205, 42823), (222, 42898), (240, 42997),

Gene: AFIS_1 Start: 572, Stop: 895, Start Num: 136

Candidate Starts for AFIS_1:

(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 160 @599 has 746 MA's), (Start: 174 @632 has 3 MA's), (208, 722), (227, 812), (233, 848),

Gene: AN3_4 Start: 2464, Stop: 2760, Start Num: 160

Candidate Starts for AN3_4:

(Start: 160 @2464 has 746 MA's), (208, 2587),

Gene: AN9_4 Start: 2344, Stop: 2640, Start Num: 160
Candidate Starts for AN9_4:
(Start: 160 @2344 has 746 MA's),

Gene: ANI8_4 Start: 2344, Stop: 2640, Start Num: 160
Candidate Starts for ANI8_4:
(Start: 160 @2344 has 746 MA's),

Gene: Aaronocolus_2 Start: 740, Stop: 1054, Start Num: 159
Candidate Starts for Aaronocolus_2:
(75, 629), (98, 656), (Start: 159 @740 has 54 MA's), (213, 896),

Gene: AbbyPaige_5 Start: 2538, Stop: 2834, Start Num: 160
Candidate Starts for AbbyPaige_5:
(Start: 160 @2538 has 746 MA's), (208, 2661),

Gene: Abbysshoes_2 Start: 758, Stop: 1054, Start Num: 160
Candidate Starts for Abbysshoes_2:
(Start: 160 @758 has 746 MA's), (208, 881), (221, 935), (227, 971), (233, 1007),

Gene: Abrogate_20 Start: 1334, Stop: 1624, Start Num: 170
Candidate Starts for Abrogate_20:
(20, 899), (42, 1016), (86, 1172), (91, 1181), (94, 1184), (Start: 170 @1334 has 3 MA's), (178, 1361),
(227, 1541), (233, 1577),

Gene: Abscondus_13 Start: 3104, Stop: 3412, Start Num: 165
Candidate Starts for Abscondus_13:
(135, 3074), (Start: 165 @3104 has 25 MA's), (233, 3368),

Gene: AceofSpades_68 Start: 43114, Stop: 43479, Start Num: 154
Candidate Starts for AceofSpades_68:
(Start: 154 @43114 has 26 MA's), (183, 43183), (185, 43189), (235, 43384), (240, 43414), (245,
43426),

Gene: Acme_2 Start: 781, Stop: 1089, Start Num: 160
Candidate Starts for Acme_2:
(Start: 160 @781 has 746 MA's), (208, 904), (227, 994), (233, 1030),

Gene: Acolyte_4 Start: 2122, Stop: 2418, Start Num: 160
Candidate Starts for Acolyte_4:
(Start: 160 @2122 has 746 MA's),

Gene: Adahisdi_1 Start: 600, Stop: 896, Start Num: 160
Candidate Starts for Adahisdi_1:
(Start: 122 @537 has 4 MA's), (Start: 136 @573 has 36 MA's), (143, 582), (Start: 160 @600 has 746
MA's), (208, 723), (227, 813), (233, 849),

Gene: Adolin_71 Start: 42654, Stop: 42956, Start Num: 160
Candidate Starts for Adolin_71:
(Start: 160 @42654 has 746 MA's), (205, 42771), (222, 42846), (240, 42945),

Gene: Adumb2043_68 Start: 42731, Stop: 43033, Start Num: 160
Candidate Starts for Adumb2043_68:

(Start: 160 @42731 has 746 MA's), (179, 42782), (185, 42797), (205, 42848), (222, 42923), (240, 43022),

Gene: Adzzy_4 Start: 2160, Stop: 2456, Start Num: 160

Candidate Starts for Adzzy_4:

(Start: 160 @2160 has 746 MA's), (217, 2328), (224, 2355),

Gene: Aeneas_1 Start: 595, Stop: 891, Start Num: 160

Candidate Starts for Aeneas_1:

(Start: 122 @532 has 4 MA's), (Start: 136 @568 has 36 MA's), (143, 577), (Start: 156 @592 has 11 MA's), (Start: 160 @595 has 746 MA's), (208, 718), (227, 808), (233, 844),

Gene: Agape74_5 Start: 2538, Stop: 2834, Start Num: 160

Candidate Starts for Agape74_5:

(Start: 160 @2538 has 746 MA's), (208, 2661),

Gene: Agatha_71 Start: 46233, Stop: 46523, Start Num: 154

Candidate Starts for Agatha_71:

(Start: 138 @46212 has 2 MA's), (Start: 154 @46233 has 26 MA's), (192, 46332),

Gene: AgentM_1 Start: 504, Stop: 803, Start Num: 142

Candidate Starts for AgentM_1:

(64, 372), (Start: 142 @504 has 40 MA's), (203, 612), (219, 684), (232, 753), (243, 798),

Gene: Aglet_1 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for Aglet_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: AgronaGT15_1 Start: 518, Stop: 820, Start Num: 136

Candidate Starts for AgronaGT15_1:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Airmid_1 Start: 517, Stop: 801, Start Num: 167

Candidate Starts for Airmid_1:

(Start: 142 @502 has 40 MA's), (Start: 167 @517 has 1 MA's), (203, 610), (232, 751), (243, 796),

Gene: Ajay_1 Start: 596, Stop: 892, Start Num: 160

Candidate Starts for Ajay_1:

(Start: 122 @533 has 4 MA's), (Start: 136 @569 has 36 MA's), (143, 578), (Start: 156 @593 has 11 MA's), (Start: 160 @596 has 746 MA's), (208, 719), (227, 809), (233, 845),

Gene: Aldrich_2 Start: 750, Stop: 1046, Start Num: 160

Candidate Starts for Aldrich_2:

(Start: 160 @750 has 746 MA's), (208, 873), (227, 963), (233, 999),

Gene: Aliter_4 Start: 2335, Stop: 2628, Start Num: 157

Candidate Starts for Aliter_4:

(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: Alma_4 Start: 2333, Stop: 2626, Start Num: 157

Candidate Starts for Alma_4:

(Start: 132 @2306 has 3 MA's), (Start: 157 @2333 has 33 MA's), (203, 2435), (208, 2453),

Gene: Alsaber_3 Start: 970, Stop: 1284, Start Num: 160
Candidate Starts for Alsaber_3:
(152, 964), (Start: 160 @970 has 746 MA's), (185, 1039), (210, 1114), (217, 1147),

Gene: Alsfro_2 Start: 778, Stop: 1083, Start Num: 160
Candidate Starts for Alsfro_2:
(147, 763), (Start: 160 @778 has 746 MA's), (208, 901), (221, 955), (227, 991), (233, 1027),

Gene: Altman_3 Start: 1297, Stop: 1593, Start Num: 160
Candidate Starts for Altman_3:
(Start: 127 @1249 has 1 MA's), (Start: 160 @1297 has 746 MA's), (208, 1420), (227, 1510), (233, 1546),

Gene: Alucard_25 Start: 16990, Stop: 17289, Start Num: 160
Candidate Starts for Alucard_25:
(Start: 160 @16990 has 746 MA's), (206, 17119), (207, 17122), (220, 17185), (228, 17233), (230, 17242), (239, 17278),

Gene: Alvin_3 Start: 1213, Stop: 1509, Start Num: 160
Candidate Starts for Alvin_3:
(Start: 160 @1213 has 746 MA's), (208, 1336), (221, 1390), (227, 1426), (233, 1462),

Gene: Alvy_3 Start: 740, Stop: 1054, Start Num: 160
Candidate Starts for Alvy_3:
(Start: 160 @740 has 746 MA's), (210, 884),

Gene: Amela_2 Start: 787, Stop: 1275, Start Num: 68
Candidate Starts for Amela_2:
(Start: 68 @787 has 1 MA's), (69, 790), (Start: 73 @802 has 2 MA's), (74, 811), (96, 853), (101, 859), (152, 955), (Start: 160 @961 has 746 MA's), (185, 1030), (210, 1105), (217, 1138),

Gene: Amethyst_2 Start: 650, Stop: 964, Start Num: 160
Candidate Starts for Amethyst_2:
(Start: 151 @641 has 3 MA's), (Start: 160 @650 has 746 MA's), (200, 755), (210, 794), (217, 827),

Gene: Amok_68 Start: 44983, Stop: 45258, Start Num: 154
Candidate Starts for Amok_68:
(Start: 151 @44980 has 3 MA's), (Start: 154 @44983 has 26 MA's), (210, 45088),

Gene: Amploria_69 Start: 42910, Stop: 43212, Start Num: 160
Candidate Starts for Amploria_69:
(Start: 160 @42910 has 746 MA's), (179, 42961), (185, 42976), (205, 43027), (222, 43102), (240, 43201),

Gene: Amyev_68 Start: 43916, Stop: 44218, Start Num: 160
Candidate Starts for Amyev_68:
(Start: 160 @43916 has 746 MA's), (185, 43982), (205, 44033), (219, 44099), (240, 44207),

Gene: Anaysia_4 Start: 2278, Stop: 2574, Start Num: 160
Candidate Starts for Anaysia_4:
(Start: 160 @2278 has 746 MA's), (194, 2368),

Gene: Andris_2 Start: 682, Stop: 996, Start Num: 160

Candidate Starts for Andris_2:

(Start: 160 @682 has 746 MA's), (210, 826), (217, 859),

Gene: Aneem_4 Start: 2356, Stop: 2652, Start Num: 160

Candidate Starts for Aneem_4:

(Start: 160 @2356 has 746 MA's), (Start: 174 @2389 has 3 MA's), (194, 2446), (243, 2647),

Gene: Angelique_76 Start: 50625, Stop: 50915, Start Num: 172

Candidate Starts for Angelique_76:

(9, 50097), (15, 50157), (17, 50160), (24, 50208), (39, 50289), (46, 50322), (58, 50376), (62, 50388), (120, 50526), (Start: 172 @50625 has 22 MA's),

Gene: Anglerfish_2 Start: 747, Stop: 1043, Start Num: 160

Candidate Starts for Anglerfish_2:

(Start: 160 @747 has 746 MA's), (208, 870), (227, 960), (233, 996),

Gene: Animus_3 Start: 1027, Stop: 1341, Start Num: 160

Candidate Starts for Animus_3:

(Start: 160 @1027 has 746 MA's), (185, 1096), (210, 1171),

Gene: AnnaL29_4 Start: 2278, Stop: 2574, Start Num: 160

Candidate Starts for AnnaL29_4:

(Start: 160 @2278 has 746 MA's), (208, 2401),

Gene: Anon_4 Start: 2182, Stop: 2478, Start Num: 160

Candidate Starts for Anon_4:

(Start: 160 @2182 has 746 MA's), (210, 2317),

Gene: Anselm_5 Start: 2674, Stop: 2970, Start Num: 160

Candidate Starts for Anselm_5:

(Start: 160 @2674 has 746 MA's), (208, 2797),

Gene: Anseraureola_25 Start: 17052, Stop: 17351, Start Num: 160

Candidate Starts for Anseraureola_25:

(107, 16950), (Start: 160 @17052 has 746 MA's), (206, 17181), (207, 17184), (220, 17247), (228, 17295), (230, 17304), (239, 17340),

Gene: Anthony_1 Start: 406, Stop: 699, Start Num: 160

Candidate Starts for Anthony_1:

(Start: 160 @406 has 746 MA's),

Gene: Anubis_3 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for Anubis_3:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Aphelion_14 Start: 3268, Stop: 3576, Start Num: 165

Candidate Starts for Aphelion_14:

(135, 3238), (Start: 165 @3268 has 25 MA's), (222, 3460), (233, 3532),

Gene: Applejack_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for Applejack_1:

(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Apricot_101 Start: 51816, Stop: 52109, Start Num: 172

Candidate Starts for Apricot_101:

(100, 51666), (Start: 172 @51816 has 22 MA's),

Gene: Aragog_1 Start: 534, Stop: 833, Start Num: 142

Candidate Starts for Aragog_1:

(64, 372), (Start: 142 @534 has 40 MA's), (203, 642), (219, 714), (232, 783), (243, 828),

Gene: Arcanine_2 Start: 750, Stop: 1046, Start Num: 160

Candidate Starts for Arcanine_2:

(Start: 160 @750 has 746 MA's), (208, 873), (227, 963), (233, 999),

Gene: ArcherNM_4 Start: 2293, Stop: 2589, Start Num: 160

Candidate Starts for ArcherNM_4:

(Start: 160 @2293 has 746 MA's),

Gene: Archetta_1 Start: 534, Stop: 833, Start Num: 142

Candidate Starts for Archetta_1:

(64, 372), (Start: 142 @534 has 40 MA's), (203, 642), (219, 714), (232, 783), (243, 828),

Gene: Arianna_54 Start: 40153, Stop: 40458, Start Num: 166

Candidate Starts for Arianna_54:

(Start: 166 @40153 has 3 MA's), (193, 40228), (200, 40249), (218, 40330),

Gene: Aries55_25 Start: 17079, Stop: 17378, Start Num: 160

Candidate Starts for Aries55_25:

(107, 16977), (Start: 160 @17079 has 746 MA's), (206, 17208), (207, 17211), (220, 17274), (228, 17322), (230, 17331), (239, 17367),

Gene: Arissanae_4 Start: 2121, Stop: 2414, Start Num: 157

Candidate Starts for Arissanae_4:

(Start: 157 @2121 has 33 MA's), (203, 2223), (208, 2241),

Gene: Arlo_2 Start: 747, Stop: 1043, Start Num: 160

Candidate Starts for Arlo_2:

(Start: 160 @747 has 746 MA's), (208, 870), (227, 960), (233, 996),

Gene: Artemis2UCLA_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for Artemis2UCLA_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Asa16_69 Start: 43233, Stop: 43535, Start Num: 160

Candidate Starts for Asa16_69:

(Start: 160 @43233 has 746 MA's), (179, 43284), (185, 43299), (205, 43350), (222, 43425), (240, 43524),

Gene: Ascela_71 Start: 43822, Stop: 44124, Start Num: 160

Candidate Starts for Ascela_71:

(Start: 160 @43822 has 746 MA's), (185, 43888), (205, 43939), (222, 44014), (240, 44113),

Gene: Ashballer_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Ashballer_1:

(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Asten_2 Start: 729, Stop: 1040, Start Num: 159

Candidate Starts for Asten_2:

(Start: 73 @588 has 2 MA's), (85, 627), (Start: 159 @729 has 54 MA's), (188, 801), (213, 882),

Gene: Astro_1 Start: 505, Stop: 798, Start Num: 162

Candidate Starts for Astro_1:

(Start: 162 @505 has 8 MA's), (194, 592), (219, 679), (233, 757), (243, 793),

Gene: Astro16_25 Start: 17072, Stop: 17371, Start Num: 160

Candidate Starts for Astro16_25:

(Start: 160 @17072 has 746 MA's), (206, 17201), (207, 17204), (220, 17267), (228, 17315), (230, 17324), (239, 17360),

Gene: Atkinbua_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for Atkinbua_1:

(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Attoomi_53 Start: 41445, Stop: 41750, Start Num: 160

Candidate Starts for Attoomi_53:

(Start: 160 @41445 has 746 MA's), (194, 41532), (196, 41538), (208, 41577), (210, 41589),

Gene: AugsMagnumOpus_3 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for AugsMagnumOpus_3:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Avvas_25 Start: 17079, Stop: 17378, Start Num: 160

Candidate Starts for Avvas_25:

(107, 16977), (Start: 160 @17079 has 746 MA's), (206, 17208), (207, 17211), (220, 17274), (228, 17322), (230, 17331), (239, 17367),

Gene: Axiom_3 Start: 679, Stop: 993, Start Num: 160

Candidate Starts for Axiom_3:

(Start: 160 @679 has 746 MA's), (210, 823),

Gene: Axym_69 Start: 46163, Stop: 46453, Start Num: 154

Candidate Starts for Axym_69:

(Start: 138 @46142 has 2 MA's), (Start: 154 @46163 has 26 MA's), (192, 46262),

Gene: Ayanochan_5 Start: 2335, Stop: 2628, Start Num: 157

Candidate Starts for Ayanochan_5:

(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: Azira_67 Start: 45015, Stop: 45332, Start Num: 154

Candidate Starts for Azira_67:

(Start: 154 @45015 has 26 MA's), (213, 45153), (226, 45222),

Gene: Azizam_25 Start: 17012, Stop: 17311, Start Num: 160

Candidate Starts for Azizam_25:

(25, 16631), (29, 16640), (107, 16910), (Start: 160 @17012 has 746 MA's), (206, 17141), (207, 17144), (220, 17207), (228, 17255), (230, 17264), (239, 17300),

Gene: Aztec_25 Start: 16995, Stop: 17294, Start Num: 160

Candidate Starts for Aztec_25:

(Start: 160 @16995 has 746 MA's), (206, 17124), (207, 17127), (220, 17190), (228, 17238), (230, 17247), (239, 17283),

Gene: BABullseye_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for BABullseye_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: BPBiabs31_2 Start: 832, Stop: 1128, Start Num: 160

Candidate Starts for BPBiabs31_2:

(Start: 127 @784 has 1 MA's), (Start: 160 @832 has 746 MA's), (208, 955), (227, 1045), (233, 1081),

Gene: BabyBack_4 Start: 2096, Stop: 2392, Start Num: 160

Candidate Starts for BabyBack_4:

(Start: 160 @2096 has 746 MA's),

Gene: BabyRay_1 Start: 458, Stop: 754, Start Num: 160

Candidate Starts for BabyRay_1:

(135, 449), (Start: 160 @458 has 746 MA's), (210, 593),

Gene: Bachita_15 Start: 3780, Stop: 4088, Start Num: 165

Candidate Starts for Bachita_15:

(135, 3750), (Start: 165 @3780 has 25 MA's), (233, 4044),

Gene: Bachome_4 Start: 2386, Stop: 2649, Start Num: 174

Candidate Starts for Bachome_4:

(Start: 160 @2353 has 746 MA's), (Start: 174 @2386 has 3 MA's), (194, 2443), (243, 2644),

Gene: BaconJack_2 Start: 750, Stop: 1046, Start Num: 160

Candidate Starts for BaconJack_2:

(Start: 160 @750 has 746 MA's), (208, 873), (227, 963), (233, 999),

Gene: Bactobuster_4 Start: 2106, Stop: 2402, Start Num: 160

Candidate Starts for Bactobuster_4:

(Start: 160 @2106 has 746 MA's), (198, 2205), (224, 2301),

Gene: Baehexic_5 Start: 2625, Stop: 2921, Start Num: 160

Candidate Starts for Baehexic_5:

(67, 2424), (Start: 160 @2625 has 746 MA's),

Gene: Baine_25 Start: 17015, Stop: 17314, Start Num: 160

Candidate Starts for Baine_25:

(107, 16913), (Start: 160 @17015 has 746 MA's), (206, 17144), (207, 17147), (220, 17210), (228, 17258), (230, 17267), (239, 17303),

Gene: Balloona_71 Start: 47653, Stop: 47916, Start Num: 186

Candidate Starts for Balloona_71:

(148, 47563), (Start: 156 @47575 has 11 MA's), (168, 47599), (Start: 186 @47653 has 1 MA's), (198, 47686), (226, 47812),

Gene: Bantam_8 Start: 4561, Stop: 4869, Start Num: 165
Candidate Starts for Bantam_8:
(155, 4546), (Start: 165 @4561 has 25 MA's), (189, 4633), (212, 4699),

Gene: BarBear_25 Start: 17072, Stop: 17371, Start Num: 160
Candidate Starts for BarBear_25:
(Start: 160 @17072 has 746 MA's), (206, 17201), (207, 17204), (220, 17267), (228, 17315), (230, 17324), (239, 17360),

Gene: Barnstormer_77 Start: 46434, Stop: 46733, Start Num: 160
Candidate Starts for Barnstormer_77:
(126, 46389), (Start: 160 @46434 has 746 MA's), (201, 46542), (205, 46551),

Gene: Barriga_2 Start: 749, Stop: 1045, Start Num: 160
Candidate Starts for Barriga_2:
(Start: 160 @749 has 746 MA's), (208, 872), (227, 962), (233, 998),

Gene: BarrowTuph_1 Start: 598, Stop: 894, Start Num: 160
Candidate Starts for BarrowTuph_1:
(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 156 @595 has 11 MA's), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: BarryBee_3 Start: 729, Stop: 1040, Start Num: 159
Candidate Starts for BarryBee_3:
(Start: 73 @588 has 2 MA's), (85, 627), (Start: 159 @729 has 54 MA's), (188, 801), (213, 882),

Gene: BartholomewSD_3 Start: 740, Stop: 1054, Start Num: 160
Candidate Starts for BartholomewSD_3:
(Start: 160 @740 has 746 MA's), (210, 884),

Gene: Battleship_5 Start: 2425, Stop: 2721, Start Num: 160
Candidate Starts for Battleship_5:
(Start: 160 @2425 has 746 MA's), (194, 2515),

Gene: BearBQ_102 Start: 54695, Stop: 54988, Start Num: 172
Candidate Starts for BearBQ_102:
(88, 54524), (Start: 172 @54695 has 22 MA's),

Gene: BeardedLady_2 Start: 739, Stop: 1053, Start Num: 159
Candidate Starts for BeardedLady_2:
(Start: 159 @739 has 54 MA's), (213, 895),

Gene: Beatrix_1 Start: 599, Stop: 895, Start Num: 160
Candidate Starts for Beatrix_1:
(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 156 @596 has 11 MA's), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Beauxregard13_1 Start: 526, Stop: 819, Start Num: 160
Candidate Starts for Beauxregard13_1:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Beelzebub_96 Start: 49193, Stop: 49519, Start Num: 160

Candidate Starts for Beelzebub_96:

(153, 49187), (Start: 160 @49193 has 746 MA's), (Start: 175 @49235 has 1 MA's), (190, 49280), (209, 49340), (220, 49400), (231, 49460),

Gene: Beemo_4 Start: 2336, Stop: 2629, Start Num: 157

Candidate Starts for Beemo_4:

(Start: 132 @2309 has 3 MA's), (Start: 157 @2336 has 33 MA's), (203, 2438), (208, 2456),

Gene: BeesKnees_2 Start: 751, Stop: 1047, Start Num: 160

Candidate Starts for BeesKnees_2:

(Start: 160 @751 has 746 MA's), (208, 874), (221, 928), (227, 964), (233, 1000),

Gene: Belthelas_25 Start: 17128, Stop: 17427, Start Num: 160

Candidate Starts for Belthelas_25:

(107, 17026), (Start: 160 @17128 has 746 MA's), (206, 17257), (207, 17260), (220, 17323), (228, 17371), (230, 17380), (239, 17416),

Gene: Benedict_1 Start: 503, Stop: 802, Start Num: 142

Candidate Starts for Benedict_1:

(Start: 142 @503 has 40 MA's), (Start: 167 @518 has 1 MA's), (203, 611), (232, 752), (243, 797),

Gene: BengiVuitton_4 Start: 2325, Stop: 2621, Start Num: 160

Candidate Starts for BengiVuitton_4:

(Start: 160 @2325 has 746 MA's), (208, 2448),

Gene: Benvolio_5 Start: 2672, Stop: 2968, Start Num: 160

Candidate Starts for Benvolio_5:

(Start: 160 @2672 has 746 MA's), (208, 2795),

Gene: Bernal13_59 Start: 40895, Stop: 41194, Start Num: 90

Candidate Starts for Bernal13_59:

(Start: 90 @40895 has 6 MA's), (213, 41018),

Gene: Berrie_69 Start: 43434, Stop: 43736, Start Num: 160

Candidate Starts for Berrie_69:

(Start: 160 @43434 has 746 MA's), (185, 43500), (205, 43551), (222, 43626), (240, 43725),

Gene: Bethlehem_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for Bethlehem_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Bexan_1 Start: 599, Stop: 895, Start Num: 160

Candidate Starts for Bexan_1:

(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 156 @596 has 11 MA's), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: BiancaTri92_4 Start: 2316, Stop: 2612, Start Num: 160

Candidate Starts for BiancaTri92_4:

(Start: 160 @2316 has 746 MA's), (206, 2433),

Gene: Big3_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Big3_1:

(Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: BigMau_3 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for BigMau_3:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: BigPaolini_1 Start: 596, Stop: 892, Start Num: 160

Candidate Starts for BigPaolini_1:

(137, 569), (144, 578), (Start: 160 @596 has 746 MA's), (208, 719), (227, 809), (233, 845),

Gene: Bigchungi_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for Bigchungi_1:

(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Bigfoot_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Bigfoot_1:

(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: BillKnuckles_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for BillKnuckles_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: BinkBonk_25 Start: 17072, Stop: 17371, Start Num: 160

Candidate Starts for BinkBonk_25:

(Start: 160 @17072 has 746 MA's), (206, 17201), (207, 17204), (220, 17267), (228, 17315), (230, 17324), (239, 17360),

Gene: Bintii_25 Start: 17094, Stop: 17393, Start Num: 160

Candidate Starts for Bintii_25:

(107, 16992), (Start: 160 @17094 has 746 MA's), (206, 17223), (207, 17226), (220, 17289), (228, 17337), (230, 17346), (239, 17382),

Gene: Bircsak_2 Start: 835, Stop: 1131, Start Num: 160

Candidate Starts for Bircsak_2:

(Start: 127 @787 has 1 MA's), (Start: 160 @835 has 746 MA's), (208, 958), (227, 1048), (233, 1084),

Gene: Birdsong_96 Start: 52683, Stop: 52976, Start Num: 172

Candidate Starts for Birdsong_96:

(88, 52512), (Start: 172 @52683 has 22 MA's),

Gene: Biscayne_25 Start: 17155, Stop: 17454, Start Num: 160

Candidate Starts for Biscayne_25:

(107, 17053), (118, 17077), (Start: 160 @17155 has 746 MA's), (206, 17284), (207, 17287), (220, 17350), (228, 17398), (230, 17407), (239, 17443),

Gene: Blackbeetle_93 Start: 48691, Stop: 49017, Start Num: 160

Candidate Starts for Blackbeetle_93:

(139, 48664), (Start: 160 @48691 has 746 MA's), (Start: 175 @48733 has 1 MA's), (190, 48778), (209, 48838), (220, 48898), (231, 48958),

Gene: BlessJoy_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for BlessJoy_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Blesser_1 Start: 597, Stop: 893, Start Num: 160
Candidate Starts for Blesser_1:
(Start: 136 @570 has 36 MA's), (143, 579), (Start: 156 @594 has 11 MA's), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Blinn1_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for Blinn1_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: BluSpix_1 Start: 597, Stop: 893, Start Num: 160
Candidate Starts for BluSpix_1:
(Start: 136 @570 has 36 MA's), (143, 579), (Start: 156 @594 has 11 MA's), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Blue_3 Start: 1232, Stop: 1528, Start Num: 160
Candidate Starts for Blue_3:
(147, 1217), (Start: 160 @1232 has 746 MA's), (208, 1355), (227, 1445), (233, 1481),

Gene: Blue7_4 Start: 2132, Stop: 2428, Start Num: 160
Candidate Starts for Blue7_4:
(Start: 160 @2132 has 746 MA's), (210, 2267),

Gene: BlueBird_1 Start: 420, Stop: 716, Start Num: 160
Candidate Starts for BlueBird_1:
(Start: 160 @420 has 746 MA's), (210, 555),

Gene: Bob3_2 Start: 748, Stop: 1044, Start Num: 160
Candidate Starts for Bob3_2:
(Start: 160 @748 has 746 MA's), (227, 961), (233, 997),

Gene: BobSwaget_5 Start: 2538, Stop: 2834, Start Num: 160
Candidate Starts for BobSwaget_5:
(Start: 160 @2538 has 746 MA's),

Gene: Bodhi17_25 Start: 17109, Stop: 17408, Start Num: 160
Candidate Starts for Bodhi17_25:
(107, 17007), (Start: 160 @17109 has 746 MA's), (206, 17238), (207, 17241), (220, 17304), (228, 17352), (230, 17361), (239, 17397),

Gene: BogosyJay_4 Start: 2102, Stop: 2395, Start Num: 157
Candidate Starts for BogosyJay_4:
(Start: 157 @2102 has 33 MA's), (203, 2204), (208, 2222),

Gene: BonaeVitae_27 Start: 17082, Stop: 17384, Start Num: 160
Candidate Starts for BonaeVitae_27:
(107, 16983), (Start: 160 @17082 has 746 MA's), (206, 17211), (220, 17277), (228, 17325), (230, 17334),

Gene: Bones_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Bones_1:

(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Boohoo_4 Start: 2278, Stop: 2574, Start Num: 160

Candidate Starts for Boohoo_4:

(Start: 160 @2278 has 746 MA's), (194, 2368),

Gene: BoomRoasted_25 Start: 17082, Stop: 17381, Start Num: 160

Candidate Starts for BoomRoasted_25:

(107, 16980), (Start: 160 @17082 has 746 MA's), (206, 17211), (207, 17214), (220, 17277), (228, 17325), (230, 17334), (239, 17370),

Gene: Bovely_2 Start: 740, Stop: 1054, Start Num: 159

Candidate Starts for Bovely_2:

(75, 629), (98, 656), (Start: 159 @740 has 54 MA's), (213, 896),

Gene: Bowden_2 Start: 639, Stop: 953, Start Num: 160

Candidate Starts for Bowden_2:

(Start: 160 @639 has 746 MA's), (210, 783),

Gene: Bowtie_4 Start: 2356, Stop: 2652, Start Num: 160

Candidate Starts for Bowtie_4:

(Start: 160 @2356 has 746 MA's), (Start: 174 @2389 has 3 MA's), (194, 2446), (243, 2647),

Gene: Bradissa_76 Start: 51528, Stop: 51818, Start Num: 172

Candidate Starts for Bradissa_76:

(Start: 172 @51528 has 22 MA's),

Gene: Bradley2_25 Start: 16994, Stop: 17293, Start Num: 160

Candidate Starts for Bradley2_25:

(107, 16892), (Start: 160 @16994 has 746 MA's), (206, 17123), (207, 17126), (220, 17189), (228, 17237), (230, 17246), (239, 17282),

Gene: Brataylor_2 Start: 590, Stop: 1036, Start Num: 73

Candidate Starts for Brataylor_2:

(70, 581), (Start: 73 @590 has 2 MA's), (Start: 159 @725 has 54 MA's), (188, 797), (199, 827), (208, 854),

Gene: BreSam8_1 Start: 518, Stop: 820, Start Num: 136

Candidate Starts for BreSam8_1:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Bri160_25 Start: 17069, Stop: 17368, Start Num: 160

Candidate Starts for Bri160_25:

(107, 16967), (Start: 160 @17069 has 746 MA's), (206, 17198), (207, 17201), (220, 17264), (228, 17312), (230, 17321), (239, 17357),

Gene: BritBrat_98 Start: 55168, Stop: 55455, Start Num: 172

Candidate Starts for BritBrat_98:

(110, 55045), (Start: 136 @55111 has 36 MA's), (Start: 141 @55117 has 3 MA's), (Start: 172 @55168 has 22 MA's),

Gene: Briton15_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for Briton15_2:

(Start: 160 @748 has 746 MA's), (208, 871), (221, 925), (227, 961), (233, 997),

Gene: BroPlease_1 Start: 591, Stop: 905, Start Num: 160

Candidate Starts for BroPlease_1:

(Start: 160 @591 has 746 MA's), (204, 708), (210, 735), (229, 837), (241, 900),

Gene: BrokMonster_25 Start: 17060, Stop: 17359, Start Num: 160

Candidate Starts for BrokMonster_25:

(12, 16586), (21, 16658), (107, 16958), (Start: 160 @17060 has 746 MA's), (206, 17189), (207, 17192), (220, 17255), (228, 17303), (230, 17312), (239, 17348),

Gene: Bruns_1 Start: 596, Stop: 892, Start Num: 160

Candidate Starts for Bruns_1:

(Start: 122 @533 has 4 MA's), (Start: 136 @569 has 36 MA's), (143, 578), (Start: 160 @596 has 746 MA's), (208, 719), (221, 773), (227, 809), (233, 845),

Gene: BrutonGaster_7 Start: 1661, Stop: 1969, Start Num: 165

Candidate Starts for BrutonGaster_7:

(Start: 103 @1544 has 2 MA's), (129, 1613), (Start: 165 @1661 has 25 MA's), (218, 1835), (225, 1871), (233, 1925), (240, 1961),

Gene: BryanRecycles_2 Start: 746, Stop: 1060, Start Num: 159

Candidate Starts for BryanRecycles_2:

(109, 668), (Start: 159 @746 has 54 MA's), (213, 902),

Gene: Bubble_70 Start: 46197, Stop: 46508, Start Num: 138

Candidate Starts for Bubble_70:

(Start: 138 @46197 has 2 MA's), (Start: 154 @46218 has 26 MA's), (192, 46317),

Gene: Bud_4 Start: 2362, Stop: 2658, Start Num: 160

Candidate Starts for Bud_4:

(Start: 160 @2362 has 746 MA's), (Start: 174 @2395 has 3 MA's), (194, 2452), (243, 2653),

Gene: Buggy_5 Start: 2549, Stop: 2845, Start Num: 160

Candidate Starts for Buggy_5:

(Start: 160 @2549 has 746 MA's), (208, 2672),

Gene: Bullzi2019_26 Start: 16770, Stop: 17069, Start Num: 160

Candidate Starts for Bullzi2019_26:

(107, 16668), (Start: 160 @16770 has 746 MA's), (206, 16899), (207, 16902), (220, 16965), (228, 17013), (230, 17022),

Gene: Burgy_25 Start: 17080, Stop: 17379, Start Num: 160

Candidate Starts for Burgy_25:

(107, 16978), (Start: 160 @17080 has 746 MA's), (206, 17209), (207, 17212), (220, 17275), (228, 17323), (230, 17332), (239, 17368),

Gene: Burnsey_70 Start: 45875, Stop: 46165, Start Num: 154

Candidate Starts for Burnsey_70:

(Start: 138 @45854 has 2 MA's), (Start: 154 @45875 has 26 MA's), (192, 45974),

Gene: Burton_2 Start: 750, Stop: 1046, Start Num: 160

Candidate Starts for Burton_2:

(Start: 160 @750 has 746 MA's), (227, 963), (233, 999),

Gene: BurtonThePup_25 Start: 17072, Stop: 17371, Start Num: 160

Candidate Starts for BurtonThePup_25:

(Start: 160 @17072 has 746 MA's), (206, 17201), (207, 17204), (220, 17267), (228, 17315), (230, 17324), (239, 17360),

Gene: Button_71 Start: 45762, Stop: 46070, Start Num: 154

Candidate Starts for Button_71:

(118, 45687), (Start: 133 @45732 has 1 MA's), (148, 45753), (Start: 154 @45762 has 26 MA's), (Start: 174 @45807 has 3 MA's), (185, 45846), (205, 45876), (213, 45909), (222, 45960),

Gene: Buttons_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for Buttons_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Buttrmlkdreams_71 Start: 45701, Stop: 45979, Start Num: 151

Candidate Starts for Buttrmlkdreams_71:

(Start: 151 @45701 has 3 MA's), (Start: 154 @45704 has 26 MA's), (173, 45746), (Start: 176 @45758 has 1 MA's), (179, 45770), (213, 45821), (216, 45848), (218, 45851),

Gene: Bxb1_1 Start: 599, Stop: 895, Start Num: 160

Candidate Starts for Bxb1_1:

(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Bxz2_1 Start: 537, Stop: 830, Start Num: 160

Candidate Starts for Bxz2_1:

(Start: 136 @528 has 36 MA's), (Start: 160 @537 has 746 MA's), (185, 603),

Gene: C3_04 Start: 2344, Stop: 2640, Start Num: 160

Candidate Starts for C3_04:

(Start: 160 @2344 has 746 MA's),

Gene: CRB1_4 Start: 2473, Stop: 2769, Start Num: 160

Candidate Starts for CRB1_4:

(Start: 160 @2473 has 746 MA's), (208, 2596),

Gene: CactusRose_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for CactusRose_1:

(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Caelum_3 Start: 669, Stop: 983, Start Num: 160

Candidate Starts for Caelum_3:

(145, 651), (Start: 151 @660 has 3 MA's), (Start: 160 @669 has 746 MA's), (210, 813), (217, 846),

Gene: Caliburn_2 Start: 739, Stop: 1053, Start Num: 159

Candidate Starts for Caliburn_2:

(Start: 159 @739 has 54 MA's), (213, 895),

Gene: Caprice_85 Start: 48629, Stop: 48955, Start Num: 160

Candidate Starts for Caprice_85:

(139, 48602), (Start: 160 @48629 has 746 MA's), (Start: 175 @48671 has 1 MA's), (190, 48716), (209, 48776), (220, 48836), (231, 48896),

Gene: Cardigan_14 Start: 3818, Stop: 4126, Start Num: 165

Candidate Starts for Cardigan_14:

(Start: 165 @3818 has 25 MA's), (218, 3992), (222, 4010), (226, 4031),

Gene: Carlyle_2 Start: 778, Stop: 1074, Start Num: 160

Candidate Starts for Carlyle_2:

(147, 763), (Start: 160 @778 has 746 MA's), (208, 901), (221, 955), (227, 991), (233, 1027),

Gene: Caron_82 Start: 47300, Stop: 47599, Start Num: 160

Candidate Starts for Caron_82:

(6, 46730), (8, 46799), (11, 46829), (32, 46961), (36, 46979), (61, 47102), (137, 47273), (Start: 160 @47300 has 746 MA's), (201, 47408), (205, 47417),

Gene: Cashline_76 Start: 52028, Stop: 52315, Start Num: 172

Candidate Starts for Cashline_76:

(55, 51776), (110, 51905), (Start: 136 @51971 has 36 MA's), (Start: 141 @51977 has 3 MA's), (146, 51983), (Start: 172 @52028 has 22 MA's), (181, 52058),

Gene: Cassia_68 Start: 43117, Stop: 43419, Start Num: 160

Candidate Starts for Cassia_68:

(Start: 160 @43117 has 746 MA's), (185, 43183), (222, 43309), (240, 43408),

Gene: Catalina_4 Start: 2335, Stop: 2628, Start Num: 157

Candidate Starts for Catalina_4:

(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: Caviar_1 Start: 445, Stop: 741, Start Num: 160

Candidate Starts for Caviar_1:

(Start: 160 @445 has 746 MA's), (210, 580),

Gene: Cayde6_25 Start: 17015, Stop: 17314, Start Num: 160

Candidate Starts for Cayde6_25:

(107, 16913), (Start: 160 @17015 has 746 MA's), (206, 17144), (207, 17147), (220, 17210), (228, 17258), (230, 17267), (239, 17303),

Gene: Cazares_25 Start: 16542, Stop: 16841, Start Num: 160

Candidate Starts for Cazares_25:

(107, 16440), (Start: 160 @16542 has 746 MA's), (206, 16671), (207, 16674), (220, 16737), (228, 16785), (230, 16794),

Gene: Celery_4 Start: 962, Stop: 1276, Start Num: 160

Candidate Starts for Celery_4:

(Start: 73 @803 has 2 MA's), (74, 812), (96, 854), (101, 860), (152, 956), (Start: 160 @962 has 746 MA's), (185, 1031), (210, 1106), (217, 1139),

Gene: Celeste_2 Start: 725, Stop: 1036, Start Num: 159

Candidate Starts for Celeste_2:

(70, 581), (Start: 73 @590 has 2 MA's), (Start: 159 @725 has 54 MA's), (188, 797), (199, 827), (208, 854),

Gene: Celia_2 Start: 744, Stop: 1058, Start Num: 160

Candidate Starts for Celia_2:

(Start: 160 @744 has 746 MA's), (210, 888),

Gene: Centaur_5 Start: 2621, Stop: 2917, Start Num: 160

Candidate Starts for Centaur_5:

(67, 2420), (Start: 160 @2621 has 746 MA's),

Gene: Cerulean_1 Start: 461, Stop: 763, Start Num: 156

Candidate Starts for Cerulean_1:

(Start: 156 @461 has 11 MA's), (185, 536), (233, 722),

Gene: Chadwick_1 Start: 501, Stop: 800, Start Num: 142

Candidate Starts for Chadwick_1:

(Start: 142 @501 has 40 MA's), (Start: 167 @516 has 1 MA's), (203, 609), (232, 750), (243, 795),

Gene: ChampagnePapi_1 Start: 355, Stop: 762, Start Num: 102

Candidate Starts for ChampagnePapi_1:

(Start: 102 @355 has 2 MA's), (Start: 156 @460 has 11 MA's), (185, 535), (233, 721),

Gene: Chanagan_2 Start: 749, Stop: 1045, Start Num: 160

Candidate Starts for Chanagan_2:

(Start: 160 @749 has 746 MA's), (208, 872), (227, 962), (233, 998),

Gene: Changeling_4 Start: 2293, Stop: 2589, Start Num: 160

Candidate Starts for Changeling_4:

(Start: 160 @2293 has 746 MA's),

Gene: Charbie_25 Start: 17055, Stop: 17354, Start Num: 160

Candidate Starts for Charbie_25:

(107, 16953), (Start: 160 @17055 has 746 MA's), (206, 17184), (207, 17187), (220, 17250), (228, 17298), (230, 17307), (239, 17343),

Gene: Chargerpower_5 Start: 2445, Stop: 2744, Start Num: 160

Candidate Starts for Chargerpower_5:

(Start: 160 @2445 has 746 MA's),

Gene: Charm_4 Start: 2108, Stop: 2401, Start Num: 157

Candidate Starts for Charm_4:

(Start: 157 @2108 has 33 MA's), (194, 2195), (203, 2210), (208, 2228),

Gene: Chartreuse_4 Start: 2144, Stop: 2440, Start Num: 160

Candidate Starts for Chartreuse_4:

(Start: 160 @2144 has 746 MA's), (210, 2279),

Gene: Chatham_25 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for Chatham_25:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Che12_4 Start: 2115, Stop: 2411, Start Num: 160
Candidate Starts for Che12_4:
(Start: 160 @2115 has 746 MA's),

Gene: Cheesecake_25 Start: 17080, Stop: 17379, Start Num: 160
Candidate Starts for Cheesecake_25:
(107, 16978), (Start: 160 @17080 has 746 MA's), (206, 17209), (207, 17212), (220, 17275), (228, 17323), (230, 17332), (239, 17368),

Gene: ChipMunk_5 Start: 2559, Stop: 2855, Start Num: 160
Candidate Starts for ChipMunk_5:
(Start: 160 @2559 has 746 MA's), (208, 2682),

Gene: Chucky_2 Start: 730, Stop: 1041, Start Num: 159
Candidate Starts for Chucky_2:
(Start: 73 @589 has 2 MA's), (85, 628), (Start: 159 @730 has 54 MA's), (188, 802), (213, 883),

Gene: Chupacabra_1 Start: 460, Stop: 756, Start Num: 142
Candidate Starts for Chupacabra_1:
(Start: 142 @460 has 40 MA's),

Gene: Ciao_1 Start: 598, Stop: 906, Start Num: 160
Candidate Starts for Ciao_1:
(123, 535), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Ciel_25 Start: 17072, Stop: 17371, Start Num: 160
Candidate Starts for Ciel_25:
(Start: 160 @17072 has 746 MA's), (206, 17201), (207, 17204), (220, 17267), (228, 17315), (230, 17324), (239, 17360),

Gene: Cindaradix_1 Start: 358, Stop: 765, Start Num: 103
Candidate Starts for Cindaradix_1:
(Start: 103 @358 has 2 MA's), (185, 538), (233, 724),

Gene: Clarkson_93 Start: 48873, Stop: 49199, Start Num: 160
Candidate Starts for Clarkson_93:
(153, 48867), (Start: 160 @48873 has 746 MA's), (Start: 175 @48915 has 1 MA's), (190, 48960), (209, 49020), (220, 49080), (231, 49140),

Gene: CloudWang3_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for CloudWang3_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Clownery_25 Start: 16668, Stop: 16967, Start Num: 160
Candidate Starts for Clownery_25:
(107, 16566), (Start: 160 @16668 has 746 MA's), (206, 16797), (207, 16800), (220, 16863), (228, 16911), (230, 16920),

Gene: ClubL_14 Start: 3280, Stop: 3588, Start Num: 165
Candidate Starts for ClubL_14:
(135, 3250), (Start: 165 @3280 has 25 MA's), (233, 3544),

Gene: CocoaPuff_70 Start: 46933, Stop: 47196, Start Num: 186
Candidate Starts for CocoaPuff_70:
(148, 46843), (Start: 156 @46855 has 11 MA's), (168, 46879), (Start: 186 @46933 has 1 MA's), (198, 46966), (226, 47092),

Gene: Colbster_1 Start: 517, Stop: 819, Start Num: 136
Candidate Starts for Colbster_1:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Colin_5 Start: 2440, Stop: 2736, Start Num: 160
Candidate Starts for Colin_5:
(Start: 160 @2440 has 746 MA's), (208, 2563),

Gene: Community_70 Start: 43720, Stop: 44022, Start Num: 160
Candidate Starts for Community_70:
(Start: 160 @43720 has 746 MA's), (185, 43786), (205, 43837), (222, 43912), (240, 44011),

Gene: Conan_4 Start: 975, Stop: 1289, Start Num: 160
Candidate Starts for Conan_4:
(72, 822), (84, 855), (93, 861), (96, 867), (152, 969), (Start: 160 @975 has 746 MA's), (185, 1044), (210, 1119), (217, 1152),

Gene: ConceptII_2 Start: 835, Stop: 1131, Start Num: 160
Candidate Starts for ConceptII_2:
(Start: 127 @787 has 1 MA's), (Start: 160 @835 has 746 MA's), (208, 958), (227, 1048), (233, 1084),

Gene: Concrete_25 Start: 17059, Stop: 17358, Start Num: 160
Candidate Starts for Concrete_25:
(107, 16957), (Start: 160 @17059 has 746 MA's), (206, 17188), (207, 17191), (220, 17254), (228, 17302), (230, 17311), (239, 17347),

Gene: Conquerage_4 Start: 2332, Stop: 2625, Start Num: 157
Candidate Starts for Conquerage_4:
(Start: 132 @2305 has 3 MA's), (Start: 157 @2332 has 33 MA's), (203, 2434), (208, 2452),

Gene: Conspiracy_1 Start: 535, Stop: 834, Start Num: 142
Candidate Starts for Conspiracy_1:
(Start: 142 @535 has 40 MA's), (203, 643), (219, 715), (232, 784), (243, 829),

Gene: Coog_1 Start: 503, Stop: 802, Start Num: 142
Candidate Starts for Coog_1:
(62, 368), (Start: 142 @503 has 40 MA's), (203, 611), (219, 683), (232, 752), (243, 797),

Gene: Cookiedough_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for Cookiedough_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Corazon_87 Start: 49067, Stop: 49393, Start Num: 160
Candidate Starts for Corazon_87:
(153, 49061), (Start: 160 @49067 has 746 MA's), (Start: 175 @49109 has 1 MA's), (190, 49154), (209, 49214), (220, 49274), (231, 49334),

Gene: Corvo_2 Start: 751, Stop: 1047, Start Num: 160

Candidate Starts for Corvo_2:

(Start: 160 @751 has 746 MA's), (208, 874), (227, 964), (233, 1000),

Gene: Crater_100 Start: 52160, Stop: 52453, Start Num: 172

Candidate Starts for Crater_100:

(100, 52010), (Start: 172 @52160 has 22 MA's),

Gene: Crewmate_74 Start: 43978, Stop: 44280, Start Num: 160

Candidate Starts for Crewmate_74:

(Start: 160 @43978 has 746 MA's), (222, 44170), (240, 44269),

Gene: Crispicous1_1 Start: 599, Stop: 895, Start Num: 160

Candidate Starts for Crispicous1_1:

(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Crucio_5 Start: 2567, Stop: 2863, Start Num: 160

Candidate Starts for Crucio_5:

(Start: 160 @2567 has 746 MA's), (208, 2690),

Gene: Cuco_1 Start: 533, Stop: 832, Start Num: 142

Candidate Starts for Cuco_1:

(64, 371), (Start: 142 @533 has 40 MA's), (203, 641), (219, 713), (232, 782), (243, 827),

Gene: Cucurbita_13 Start: 3280, Stop: 3588, Start Num: 165

Candidate Starts for Cucurbita_13:

(135, 3250), (Start: 165 @3280 has 25 MA's), (233, 3544),

Gene: Cueylyss_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Cueylyss_1:

(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Cullens_1 Start: 517, Stop: 819, Start Num: 136

Candidate Starts for Cullens_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Culver_13 Start: 3104, Stop: 3412, Start Num: 165

Candidate Starts for Culver_13:

(135, 3074), (Start: 165 @3104 has 25 MA's), (233, 3368),

Gene: Cyan_70 Start: 43301, Stop: 43603, Start Num: 160

Candidate Starts for Cyan_70:

(Start: 160 @43301 has 746 MA's), (179, 43352), (185, 43367), (205, 43418), (222, 43493), (240, 43592),

Gene: D29_4 Start: 2345, Stop: 2641, Start Num: 160

Candidate Starts for D29_4:

(Start: 160 @2345 has 746 MA's),

Gene: D32_4 Start: 2345, Stop: 2641, Start Num: 160

Candidate Starts for D32_4:

(Start: 160 @2345 has 746 MA's),

Gene: DBQu4n_4 Start: 2345, Stop: 2641, Start Num: 160

Candidate Starts for DBQu4n_4:

(Start: 160 @2345 has 746 MA's),

Gene: DD5_2 Start: 739, Stop: 1035, Start Num: 160

Candidate Starts for DD5_2:

(Start: 160 @739 has 746 MA's), (208, 862), (221, 916), (227, 952), (233, 988),

Gene: DaHudson_1 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for DaHudson_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: DaVinci_4 Start: 2144, Stop: 2440, Start Num: 160

Candidate Starts for DaVinci_4:

(Start: 160 @2144 has 746 MA's), (210, 2279),

Gene: DaftyDuck_25 Start: 17012, Stop: 17311, Start Num: 160

Candidate Starts for DaftyDuck_25:

(107, 16910), (Start: 160 @17012 has 746 MA's), (206, 17141), (207, 17144), (220, 17207), (228, 17255), (230, 17264),

Gene: Daishi_1 Start: 518, Stop: 820, Start Num: 136

Candidate Starts for Daishi_1:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Dalmatian_5 Start: 2671, Stop: 2967, Start Num: 160

Candidate Starts for Dalmatian_5:

(Start: 160 @2671 has 746 MA's), (208, 2794),

Gene: Danimal_25 Start: 16991, Stop: 17290, Start Num: 160

Candidate Starts for Danimal_25:

(107, 16889), (Start: 160 @16991 has 746 MA's), (206, 17120), (207, 17123), (220, 17186), (228, 17234), (230, 17243), (239, 17279),

Gene: Danno_25 Start: 17079, Stop: 17378, Start Num: 160

Candidate Starts for Danno_25:

(107, 16977), (Start: 160 @17079 has 746 MA's), (206, 17208), (207, 17211), (220, 17274), (228, 17322), (230, 17331), (239, 17367),

Gene: Danzina_2 Start: 679, Stop: 1011, Start Num: 136

Candidate Starts for Danzina_2:

(1, 34), (3, 43), (4, 70), (7, 142), (37, 406), (49, 466), (54, 490), (57, 499), (121, 649), (Start: 136 @679 has 36 MA's), (Start: 159 @700 has 54 MA's), (196, 796), (199, 802), (208, 829), (222, 892),

Gene: Daredevil_10 Start: 3047, Stop: 3349, Start Num: 165

Candidate Starts for Daredevil_10:

(Start: 165 @3047 has 25 MA's), (184, 3104), (185, 3107), (218, 3215),

Gene: Darrell_4 Start: 2217, Stop: 2510, Start Num: 157

Candidate Starts for Darrell_4:

(Start: 157 @2217 has 33 MA's), (203, 2319), (208, 2337),

Gene: DarthPhader_4 Start: 2246, Stop: 2542, Start Num: 158
Candidate Starts for DarthPhader_4:
(Start: 158 @2246 has 4 MA's),

Gene: DatBoi_9 Start: 5103, Stop: 5411, Start Num: 165
Candidate Starts for DatBoi_9:
(95, 4968), (114, 5004), (Start: 165 @5103 has 25 MA's), (189, 5175), (240, 5400),

Gene: Dattran_2 Start: 723, Stop: 1034, Start Num: 159
Candidate Starts for Dattran_2:
(Start: 73 @588 has 2 MA's), (Start: 159 @723 has 54 MA's), (188, 795), (199, 825), (208, 852), (222, 915),

Gene: Daudau_2 Start: 579, Stop: 968, Start Num: 113
Candidate Starts for Daudau_2:
(Start: 113 @579 has 1 MA's), (Start: 151 @645 has 3 MA's), (Start: 160 @654 has 746 MA's), (210, 798),

Gene: DeerParkTS_4 Start: 2259, Stop: 2555, Start Num: 160
Candidate Starts for DeerParkTS_4:
(Start: 160 @2259 has 746 MA's),

Gene: DekHockey33_4 Start: 2425, Stop: 2721, Start Num: 160
Candidate Starts for DekHockey33_4:
(Start: 160 @2425 has 746 MA's), (194, 2515),

Gene: Deloris_4 Start: 2325, Stop: 2621, Start Num: 160
Candidate Starts for Deloris_4:
(Start: 160 @2325 has 746 MA's), (208, 2448),

Gene: Dexes_2 Start: 782, Stop: 1078, Start Num: 160
Candidate Starts for Dexes_2:
(Start: 160 @782 has 746 MA's), (208, 905), (227, 995), (233, 1031),

Gene: Diane_2 Start: 652, Stop: 966, Start Num: 160
Candidate Starts for Diane_2:
(Start: 151 @643 has 3 MA's), (Start: 160 @652 has 746 MA's), (210, 796), (217, 829),

Gene: Dieselweasel_1 Start: 517, Stop: 819, Start Num: 136
Candidate Starts for Dieselweasel_1:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Dignity_5 Start: 2547, Stop: 2843, Start Num: 160
Candidate Starts for Dignity_5:
(Start: 160 @2547 has 746 MA's), (208, 2670),

Gene: DirtDevil_2 Start: 750, Stop: 1046, Start Num: 160
Candidate Starts for DirtDevil_2:
(Start: 160 @750 has 746 MA's), (208, 873), (227, 963), (233, 999),

Gene: DirtPie_25 Start: 17105, Stop: 17404, Start Num: 160
Candidate Starts for DirtPie_25:

(107, 17003), (Start: 160 @17105 has 746 MA's), (206, 17234), (207, 17237), (220, 17300), (228, 17348), (230, 17357),

Gene: Discoknowium_1 Start: 534, Stop: 833, Start Num: 142

Candidate Starts for Discoknowium_1:

(64, 372), (Start: 142 @534 has 40 MA's), (203, 642), (219, 714), (232, 783), (243, 828),

Gene: Dixon_1 Start: 505, Stop: 798, Start Num: 162

Candidate Starts for Dixon_1:

(Start: 162 @505 has 8 MA's), (194, 592), (219, 679), (233, 757), (243, 793),

Gene: Dongwon_25 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for Dongwon_25:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Dooby_25 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for Dooby_25:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Doom_1 Start: 596, Stop: 892, Start Num: 160

Candidate Starts for Doom_1:

(137, 569), (144, 578), (Start: 160 @596 has 746 MA's), (208, 719), (227, 809), (233, 845),

Gene: Dorothea_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for Dorothea_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Douggie_25 Start: 17065, Stop: 17364, Start Num: 160

Candidate Starts for Douggie_25:

(107, 16963), (Start: 160 @17065 has 746 MA's), (206, 17194), (207, 17197), (220, 17260), (228, 17308), (230, 17317), (239, 17353),

Gene: DrFeelGood_1 Start: 596, Stop: 892, Start Num: 160

Candidate Starts for DrFeelGood_1:

(Start: 122 @533 has 4 MA's), (Start: 136 @569 has 36 MA's), (143, 578), (Start: 160 @596 has 746 MA's), (208, 719), (227, 809), (233, 845),

Gene: DrManhattan_72 Start: 42208, Stop: 42510, Start Num: 160

Candidate Starts for DrManhattan_72:

(Start: 160 @42208 has 746 MA's), (205, 42325), (222, 42400), (240, 42499),

Gene: DrSierra_66 Start: 42253, Stop: 42555, Start Num: 160

Candidate Starts for DrSierra_66:

(Start: 160 @42253 has 746 MA's), (185, 42319), (205, 42370), (222, 42445), (240, 42544),

Gene: Drake55_5 Start: 2627, Stop: 2923, Start Num: 160

Candidate Starts for Drake55_5:

(67, 2426), (Start: 160 @2627 has 746 MA's),

Gene: Drake94_1 Start: 472, Stop: 768, Start Num: 142

Candidate Starts for Drake94_1:

(50, 247), (Start: 142 @472 has 40 MA's), (210, 607),

Gene: Dre3_68 Start: 45474, Stop: 45806, Start Num: 154

Candidate Starts for Dre3_68:

(140, 45456), (Start: 154 @45474 has 26 MA's),

Gene: DreamCatcher_2 Start: 1332, Stop: 1622, Start Num: 170

Candidate Starts for DreamCatcher_2:

(20, 897), (42, 1014), (86, 1170), (91, 1179), (94, 1182), (Start: 170 @1332 has 3 MA's), (178, 1359), (227, 1539), (233, 1575),

Gene: DreamTeam1_4 Start: 2108, Stop: 2401, Start Num: 157

Candidate Starts for DreamTeam1_4:

(Start: 157 @2108 has 33 MA's), (194, 2195), (203, 2210), (208, 2228),

Gene: Dreamboat_2 Start: 863, Stop: 1171, Start Num: 160

Candidate Starts for Dreamboat_2:

(Start: 127 @815 has 1 MA's), (Start: 160 @863 has 746 MA's), (208, 986), (227, 1076), (233, 1112),

Gene: DroogsArmy_1 Start: 408, Stop: 704, Start Num: 160

Candidate Starts for DroogsArmy_1:

(100, 297), (Start: 160 @408 has 746 MA's), (232, 654), (238, 672),

Gene: DudeLittle_5 Start: 2671, Stop: 2967, Start Num: 160

Candidate Starts for DudeLittle_5:

(Start: 160 @2671 has 746 MA's), (208, 2794),

Gene: Duggle_26 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for Duggle_26:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Dulcie_1 Start: 596, Stop: 892, Start Num: 160

Candidate Starts for Dulcie_1:

(Start: 122 @533 has 4 MA's), (Start: 136 @569 has 36 MA's), (143, 578), (Start: 160 @596 has 746 MA's), (208, 719), (233, 845),

Gene: Duplo_4 Start: 2345, Stop: 2641, Start Num: 160

Candidate Starts for Duplo_4:

(Start: 160 @2345 has 746 MA's),

Gene: Dussy_2 Start: 758, Stop: 1054, Start Num: 160

Candidate Starts for Dussy_2:

(Start: 160 @758 has 746 MA's), (208, 881), (221, 935), (227, 971), (233, 1007),

Gene: Dusty_13 Start: 3104, Stop: 3412, Start Num: 165

Candidate Starts for Dusty_13:

(135, 3074), (Start: 165 @3104 has 25 MA's), (233, 3368),

Gene: Dwayne_2 Start: 730, Stop: 1041, Start Num: 159

Candidate Starts for Dwayne_2:

(Start: 73 @589 has 2 MA's), (85, 628), (Start: 159 @730 has 54 MA's), (188, 802), (213, 883),

Gene: Dynamix_2 Start: 747, Stop: 1043, Start Num: 160
Candidate Starts for Dynamix_2:
(Start: 160 @747 has 746 MA's), (208, 870), (227, 960), (233, 996),

Gene: ELee24_24 Start: 16858, Stop: 17157, Start Num: 160
Candidate Starts for ELee24_24:
(107, 16756), (Start: 160 @16858 has 746 MA's), (206, 16987), (207, 16990), (220, 17053), (228, 17101), (230, 17110), (239, 17146),

Gene: EMSquaredA_80 Start: 50168, Stop: 50458, Start Num: 172
Candidate Starts for EMSquaredA_80:
(10, 49655), (34, 49805), (35, 49814), (38, 49841), (41, 49859), (47, 49883), (58, 49922), (62, 49934), (64, 49937), (120, 50072), (Start: 172 @50168 has 22 MA's),

Gene: EZMoney23_4 Start: 2295, Stop: 2591, Start Num: 160
Candidate Starts for EZMoney23_4:
(Start: 160 @2295 has 746 MA's),

Gene: EagleEye_4 Start: 2125, Stop: 2418, Start Num: 157
Candidate Starts for EagleEye_4:
(Start: 157 @2125 has 33 MA's), (185, 2191), (203, 2227), (208, 2245), (210, 2257),

Gene: Eaglepride_1 Start: 473, Stop: 769, Start Num: 142
Candidate Starts for Eaglepride_1:
(100, 386), (Start: 142 @473 has 40 MA's),

Gene: Ebony_4 Start: 2395, Stop: 2658, Start Num: 174
Candidate Starts for Ebony_4:
(Start: 160 @2362 has 746 MA's), (Start: 174 @2395 has 3 MA's), (194, 2452), (243, 2653),

Gene: Echild_5 Start: 2672, Stop: 2968, Start Num: 160
Candidate Starts for Echild_5:
(Start: 160 @2672 has 746 MA's), (208, 2795),

Gene: EdElric_25 Start: 16989, Stop: 17288, Start Num: 160
Candidate Starts for EdElric_25:
(107, 16887), (Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Eddasa_2 Start: 746, Stop: 1060, Start Num: 159
Candidate Starts for Eddasa_2:
(109, 668), (Start: 159 @746 has 54 MA's), (213, 902),

Gene: Edison31_1 Start: 464, Stop: 760, Start Num: 142
Candidate Starts for Edison31_1:
(Start: 142 @464 has 40 MA's),

Gene: Edtherson_2 Start: 749, Stop: 1045, Start Num: 160
Candidate Starts for Edtherson_2:
(Start: 160 @749 has 746 MA's), (208, 872), (227, 962), (233, 998),

Gene: Efeko_27 Start: 16867, Stop: 17157, Start Num: 160
Candidate Starts for Efeko_27:

(Start: 160 @16867 has 746 MA's), (206, 16996), (207, 16999), (220, 17062), (228, 17110),

Gene: Eidsmoe_4 Start: 2332, Stop: 2625, Start Num: 157

Candidate Starts for Eidsmoe_4:

(Start: 132 @2305 has 3 MA's), (Start: 157 @2332 has 33 MA's), (203, 2434), (208, 2452),

Gene: Eightball_25 Start: 17066, Stop: 17365, Start Num: 160

Candidate Starts for Eightball_25:

(107, 16964), (Start: 160 @17066 has 746 MA's), (206, 17195), (207, 17198), (220, 17261), (228, 17309), (230, 17318), (239, 17354),

Gene: Ejemplo_2 Start: 730, Stop: 1041, Start Num: 159

Candidate Starts for Ejemplo_2:

(Start: 73 @589 has 2 MA's), (85, 628), (Start: 159 @730 has 54 MA's), (188, 802), (199, 832), (208, 859), (222, 922),

Gene: Ekko14_26 Start: 16744, Stop: 17043, Start Num: 160

Candidate Starts for Ekko14_26:

(107, 16642), (Start: 160 @16744 has 746 MA's), (206, 16873), (207, 16876), (220, 16939), (228, 16987), (230, 16996), (239, 17032),

Gene: ElGato_4 Start: 978, Stop: 1292, Start Num: 160

Candidate Starts for ElGato_4:

(72, 825), (84, 858), (93, 864), (96, 870), (152, 972), (Start: 160 @978 has 746 MA's), (185, 1047), (210, 1122), (217, 1155),

Gene: ElTiger69_1 Start: 502, Stop: 801, Start Num: 142

Candidate Starts for ElTiger69_1:

(Start: 142 @502 has 40 MA's), (Start: 167 @517 has 1 MA's), (203, 610), (232, 751), (243, 796),

Gene: Elener_66 Start: 39019, Stop: 39270, Start Num: 177

Candidate Starts for Elener_66:

(56, 38734), (104, 38851), (114, 38878), (131, 38926), (Start: 163 @38974 has 2 MA's), (Start: 177 @39019 has 1 MA's), (187, 39043), (197, 39073), (209, 39112), (211, 39118), (236, 39241),

Gene: Elephantoon_4 Start: 2095, Stop: 2388, Start Num: 157

Candidate Starts for Elephantoon_4:

(Start: 157 @2095 has 33 MA's), (203, 2197), (208, 2215),

Gene: Elezi_68 Start: 43103, Stop: 43405, Start Num: 160

Candidate Starts for Elezi_68:

(Start: 160 @43103 has 746 MA's), (179, 43154), (185, 43169), (205, 43220), (222, 43295), (240, 43394),

Gene: Elinal_76 Start: 48006, Stop: 48332, Start Num: 156

Candidate Starts for Elinal_76:

(148, 47994), (Start: 156 @48006 has 11 MA's), (168, 48030), (Start: 186 @48084 has 1 MA's), (200, 48111), (226, 48231),

Gene: Elle_4 Start: 2141, Stop: 2437, Start Num: 160

Candidate Starts for Elle_4:

(94, 2009), (Start: 160 @2141 has 746 MA's), (194, 2231), (210, 2276),

Gene: Elspeth_26 Start: 16744, Stop: 17043, Start Num: 160
Candidate Starts for Elspeth_26:
(107, 16642), (Start: 160 @16744 has 746 MA's), (206, 16873), (207, 16876), (220, 16939), (228, 16987), (230, 16996), (239, 17032),

Gene: Emaanora_3 Start: 729, Stop: 1040, Start Num: 159
Candidate Starts for Emaanora_3:
(Start: 73 @588 has 2 MA's), (85, 627), (Start: 159 @729 has 54 MA's), (188, 801), (213, 882),

Gene: Emalyn_67 Start: 43687, Stop: 43962, Start Num: 154
Candidate Starts for Emalyn_67:
(Start: 151 @43684 has 3 MA's), (Start: 154 @43687 has 26 MA's), (210, 43792),

Gene: Emotion_74 Start: 44679, Stop: 45029, Start Num: 160
Candidate Starts for Emotion_74:
(Start: 160 @44679 has 746 MA's), (240, 44970),

Gene: EmyBug_4 Start: 2332, Stop: 2625, Start Num: 157
Candidate Starts for EmyBug_4:
(Start: 132 @2305 has 3 MA's), (Start: 157 @2332 has 33 MA's), (203, 2434), (208, 2452),

Gene: EnalisNailo_76 Start: 50668, Stop: 50958, Start Num: 172
Candidate Starts for EnalisNailo_76:
(39, 50335), (58, 50422), (62, 50434), (64, 50437), (120, 50572), (Start: 172 @50668 has 22 MA's),

Gene: Engineer_14 Start: 3268, Stop: 3576, Start Num: 165
Candidate Starts for Engineer_14:
(135, 3238), (Start: 165 @3268 has 25 MA's), (222, 3460), (233, 3532),

Gene: EnochSoames_2 Start: 742, Stop: 1056, Start Num: 160
Candidate Starts for EnochSoames_2:
(Start: 73 @613 has 2 MA's), (Start: 151 @733 has 3 MA's), (Start: 160 @742 has 746 MA's), (213, 898),

Gene: EnzoK_1 Start: 607, Stop: 903, Start Num: 160
Candidate Starts for EnzoK_1:
(Start: 160 @607 has 746 MA's), (208, 730), (233, 856),

Gene: EpicPhail_1 Start: 526, Stop: 819, Start Num: 160
Candidate Starts for EpicPhail_1:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Epsocamisio_4 Start: 2278, Stop: 2574, Start Num: 160
Candidate Starts for Epsocamisio_4:
(Start: 160 @2278 has 746 MA's), (194, 2368),

Gene: Equemioh13_5 Start: 2624, Stop: 2920, Start Num: 160
Candidate Starts for Equemioh13_5:
(67, 2423), (Start: 160 @2624 has 746 MA's),

Gene: Eraser_69 Start: 43240, Stop: 43542, Start Num: 160
Candidate Starts for Eraser_69:

(Start: 160 @43240 has 746 MA's), (179, 43291), (185, 43306), (205, 43357), (222, 43432), (240, 43531),

Gene: EricB_4 Start: 2144, Stop: 2440, Start Num: 160

Candidate Starts for EricB_4:

(Start: 160 @2144 has 746 MA's), (210, 2279),

Gene: Erin_25 Start: 16987, Stop: 17286, Start Num: 160

Candidate Starts for Erin_25:

(Start: 160 @16987 has 746 MA's), (206, 17116), (207, 17119), (220, 17182), (228, 17230), (230, 17239), (239, 17275),

Gene: Esperer_2 Start: 740, Stop: 1054, Start Num: 159

Candidate Starts for Esperer_2:

(75, 629), (98, 656), (Start: 159 @740 has 54 MA's), (213, 896),

Gene: Espresso_2 Start: 832, Stop: 1128, Start Num: 160

Candidate Starts for Espresso_2:

(Start: 127 @784 has 1 MA's), (Start: 160 @832 has 746 MA's), (208, 955), (221, 1009), (227, 1045), (233, 1081),

Gene: Euphoria_2 Start: 736, Stop: 1032, Start Num: 160

Candidate Starts for Euphoria_2:

(Start: 160 @736 has 746 MA's), (208, 859), (221, 913), (227, 949), (233, 985),

Gene: EvilGenius_5 Start: 2559, Stop: 2855, Start Num: 160

Candidate Starts for EvilGenius_5:

(Start: 160 @2559 has 746 MA's), (208, 2682),

Gene: Exile_60 Start: 43770, Stop: 44069, Start Num: 160

Candidate Starts for Exile_60:

(83, 43632), (Start: 160 @43770 has 746 MA's), (185, 43836), (205, 43887), (240, 44061),

Gene: ExplosioNervosa_4 Start: 2308, Stop: 2628, Start Num: 132

Candidate Starts for ExplosioNervosa_4:

(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: Eyeball_1 Start: 599, Stop: 895, Start Num: 160

Candidate Starts for Eyeball_1:

(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Fajezeel_2 Start: 749, Stop: 1057, Start Num: 160

Candidate Starts for Fajezeel_2:

(Start: 160 @749 has 746 MA's), (208, 872), (227, 962), (233, 998),

Gene: Fameo_5 Start: 2671, Stop: 2967, Start Num: 160

Candidate Starts for Fameo_5:

(Start: 160 @2671 has 746 MA's), (208, 2794),

Gene: Farber_1 Start: 527, Stop: 820, Start Num: 160

Candidate Starts for Farber_1:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Farewell_96 Start: 61361, Stop: 61663, Start Num: 169

Candidate Starts for Farewell_96:

(69, 61136), (108, 61232), (121, 61265), (134, 61301), (Start: 136 @61307 has 36 MA's), (Start: 169 @61361 has 2 MA's), (181, 61394), (242, 61652),

Gene: Fascinus_1 Start: 599, Stop: 895, Start Num: 160

Candidate Starts for Fascinus_1:

(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Fayely_4 Start: 2335, Stop: 2628, Start Num: 157

Candidate Starts for Fayely_4:

(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: FeliMaine_92 Start: 49115, Stop: 49441, Start Num: 160

Candidate Starts for FeliMaine_92:

(153, 49109), (Start: 160 @49115 has 746 MA's), (Start: 175 @49157 has 1 MA's), (190, 49202), (209, 49262), (220, 49322), (231, 49382),

Gene: Fenn_1 Start: 606, Stop: 902, Start Num: 160

Candidate Starts for Fenn_1:

(Start: 122 @543 has 4 MA's), (Start: 136 @579 has 36 MA's), (143, 588), (Start: 160 @606 has 746 MA's), (208, 729), (221, 783), (227, 819), (233, 855),

Gene: Fernando_1 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for Fernando_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Fibonacci_4 Start: 2359, Stop: 2655, Start Num: 160

Candidate Starts for Fibonacci_4:

(Start: 160 @2359 has 746 MA's), (Start: 174 @2392 has 3 MA's), (194, 2449), (243, 2650),

Gene: FiringLine_5 Start: 2568, Stop: 2864, Start Num: 160

Candidate Starts for FiringLine_5:

(Start: 160 @2568 has 746 MA's), (208, 2691),

Gene: First_004 Start: 2483, Stop: 2779, Start Num: 160

Candidate Starts for First_004:

(Start: 160 @2483 has 746 MA's),

Gene: Flare16_5 Start: 2624, Stop: 2920, Start Num: 160

Candidate Starts for Flare16_5:

(67, 2423), (Start: 160 @2624 has 746 MA's),

Gene: Flaverint_4 Start: 2356, Stop: 2652, Start Num: 160

Candidate Starts for Flaverint_4:

(Start: 160 @2356 has 746 MA's), (Start: 174 @2389 has 3 MA's), (194, 2446), (243, 2647),

Gene: Floof_81 Start: 48040, Stop: 48342, Start Num: 160

Candidate Starts for Floof_81:

(57, 47851), (99, 47941), (125, 47998), (Start: 160 @48040 has 746 MA's), (185, 48106), (210, 48181), (213, 48193),

Gene: Floral_80 Start: 52125, Stop: 52415, Start Num: 172

Candidate Starts for Floral_80:

(10, 51612), (34, 51762), (35, 51771), (38, 51798), (41, 51816), (47, 51840), (58, 51879), (62, 51891), (64, 51894), (120, 52029), (Start: 172 @52125 has 22 MA's),

Gene: Flutur_69 Start: 43582, Stop: 43884, Start Num: 160

Candidate Starts for Flutur_69:

(Start: 160 @43582 has 746 MA's), (179, 43633), (185, 43648), (205, 43699), (222, 43774), (240, 43873),

Gene: FlyCatcher_1 Start: 396, Stop: 692, Start Num: 149

Candidate Starts for FlyCatcher_1:

(Start: 102 @300 has 2 MA's), (Start: 149 @396 has 1 MA's), (232, 642),

Gene: Footloose_71 Start: 39222, Stop: 39524, Start Num: 171

Candidate Starts for Footloose_71:

(Start: 171 @39222 has 1 MA's), (192, 39288), (218, 39393), (225, 39429),

Gene: ForGetIt_1 Start: 561, Stop: 860, Start Num: 142

Candidate Starts for ForGetIt_1:

(64, 372), (Start: 142 @561 has 40 MA's), (203, 669), (219, 741), (232, 810), (243, 855),

Gene: Forsytheast_1 Start: 596, Stop: 892, Start Num: 160

Candidate Starts for Forsytheast_1:

(Start: 122 @533 has 4 MA's), (Start: 136 @569 has 36 MA's), (143, 578), (Start: 160 @596 has 746 MA's), (208, 719), (221, 773), (227, 809), (233, 845),

Gene: Francis47_2 Start: 835, Stop: 1131, Start Num: 160

Candidate Starts for Francis47_2:

(Start: 127 @787 has 1 MA's), (Start: 160 @835 has 746 MA's), (208, 958), (227, 1048), (233, 1084),

Gene: Fred313_1 Start: 416, Stop: 712, Start Num: 141

Candidate Starts for Fred313_1:

(Start: 78 @293 has 2 MA's), (135, 410), (Start: 141 @416 has 3 MA's), (210, 551),

Gene: Fribs8_67 Start: 45643, Stop: 45981, Start Num: 154

Candidate Starts for Fribs8_67:

(Start: 154 @45643 has 26 MA's), (213, 45781), (226, 45850),

Gene: Froghopper_2 Start: 749, Stop: 1045, Start Num: 160

Candidate Starts for Froghopper_2:

(Start: 160 @749 has 746 MA's), (208, 872), (227, 962), (233, 998),

Gene: Fushigi_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for Fushigi_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: GMonster_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for GMonster_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Gabbspett_25 Start: 17109, Stop: 17408, Start Num: 160

Candidate Starts for Gabbspett_25:

(107, 17007), (Start: 160 @17109 has 746 MA's), (206, 17238), (207, 17241), (220, 17304), (228, 17352), (230, 17361), (239, 17397),

Gene: GageAP_2 Start: 986, Stop: 1282, Start Num: 160

Candidate Starts for GageAP_2:

(Start: 160 @986 has 746 MA's), (208, 1109), (227, 1199), (233, 1235),

Gene: Gaia_169 Start: 83930, Stop: 84226, Start Num: 163

Candidate Starts for Gaia_169:

(Start: 163 @83930 has 2 MA's), (Start: 177 @83975 has 1 MA's), (182, 83987), (204, 84041), (209, 84062), (212, 84077), (219, 84116), (222, 84125), (223, 84131),

Gene: Gail_4 Start: 2396, Stop: 2692, Start Num: 160

Candidate Starts for Gail_4:

(Start: 160 @2396 has 746 MA's), (201, 2498), (205, 2507), (206, 2513),

Gene: Gandalf20_2 Start: 843, Stop: 1139, Start Num: 160

Candidate Starts for Gandalf20_2:

(Start: 127 @795 has 1 MA's), (Start: 160 @843 has 746 MA's), (208, 966), (221, 1020), (227, 1056), (233, 1092),

Gene: GardenState_76 Start: 44995, Stop: 45294, Start Num: 160

Candidate Starts for GardenState_76:

(Start: 141 @44971 has 3 MA's), (Start: 160 @44995 has 746 MA's),

Gene: Gardevoir_25 Start: 17023, Stop: 17322, Start Num: 160

Candidate Starts for Gardevoir_25:

(Start: 160 @17023 has 746 MA's), (206, 17152), (207, 17155), (220, 17218), (228, 17266), (230, 17275), (239, 17311),

Gene: Gattaca_91 Start: 49103, Stop: 49429, Start Num: 159

Candidate Starts for Gattaca_91:

(Start: 159 @49103 has 54 MA's), (Start: 175 @49145 has 1 MA's), (190, 49190), (209, 49250), (220, 49310), (231, 49370),

Gene: GaugeLDP_4 Start: 2092, Stop: 2388, Start Num: 160

Candidate Starts for GaugeLDP_4:

(Start: 160 @2092 has 746 MA's),

Gene: Geeche_13 Start: 3085, Stop: 3393, Start Num: 165

Candidate Starts for Geeche_13:

(135, 3055), (Start: 165 @3085 has 25 MA's), (233, 3349),

Gene: Gemma_1 Start: 522, Stop: 824, Start Num: 136

Candidate Starts for Gemma_1:

(Start: 136 @522 has 36 MA's), (Start: 160 @531 has 746 MA's), (185, 597),

Gene: Georgie2_5 Start: 2570, Stop: 2866, Start Num: 160

Candidate Starts for Georgie2_5:

(Start: 160 @2570 has 746 MA's), (208, 2693),

Gene: GiKK_75 Start: 47115, Stop: 47441, Start Num: 133

Candidate Starts for GiKK_75:

(118, 47070), (Start: 133 @47115 has 1 MA's), (148, 47136), (Start: 154 @47145 has 26 MA's), (Start: 174 @47190 has 3 MA's), (185, 47229), (192, 47244), (212, 47277), (214, 47304), (221, 47328), (222, 47331),

Gene: Gilberta_4 Start: 2353, Stop: 2649, Start Num: 160

Candidate Starts for Gilberta_4:

(Start: 160 @2353 has 746 MA's), (Start: 174 @2386 has 3 MA's), (194, 2443), (243, 2644),

Gene: Gillker_25 Start: 16988, Stop: 17287, Start Num: 160

Candidate Starts for Gillker_25:

(107, 16886), (Start: 160 @16988 has 746 MA's), (206, 17117), (207, 17120), (220, 17183), (228, 17231), (230, 17240), (239, 17276),

Gene: GingkoMaracino_1 Start: 517, Stop: 819, Start Num: 136

Candidate Starts for GingkoMaracino_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: GirlDinner_2 Start: 690, Stop: 1004, Start Num: 160

Candidate Starts for GirlDinner_2:

(Start: 160 @690 has 746 MA's), (185, 759), (210, 834),

Gene: Giroux_1 Start: 420, Stop: 716, Start Num: 160

Candidate Starts for Giroux_1:

(Start: 160 @420 has 746 MA's), (210, 555),

Gene: Gladiator_4 Start: 2133, Stop: 2429, Start Num: 160

Candidate Starts for Gladiator_4:

(Start: 160 @2133 has 746 MA's), (210, 2268),

Gene: Goby_2 Start: 723, Stop: 1034, Start Num: 159

Candidate Starts for Goby_2:

(Start: 73 @588 has 2 MA's), (Start: 159 @723 has 54 MA's), (188, 795), (199, 825), (208, 852), (222, 915),

Gene: Godfather_25 Start: 17079, Stop: 17378, Start Num: 160

Candidate Starts for Godfather_25:

(107, 16977), (Start: 160 @17079 has 746 MA's), (206, 17208), (207, 17211), (220, 17274), (228, 17322), (230, 17331), (239, 17367),

Gene: Godpower_2 Start: 615, Stop: 1037, Start Num: 79

Candidate Starts for Godpower_2:

(Start: 79 @615 has 1 MA's), (Start: 159 @726 has 54 MA's), (188, 798), (199, 828), (208, 855),

Gene: GoldenBlanche_25 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for GoldenBlanche_25:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Gompeii16_2 Start: 835, Stop: 1131, Start Num: 160

Candidate Starts for Gompeii16_2:

(Start: 127 @787 has 1 MA's), (Start: 160 @835 has 746 MA's), (208, 958), (227, 1048), (233, 1084),

Gene: Goobery_25 Start: 17072, Stop: 17371, Start Num: 160

Candidate Starts for Goobery_25:

(Start: 160 @17072 has 746 MA's), (206, 17201), (207, 17204), (220, 17267), (228, 17315), (230, 17324), (239, 17360),

Gene: GoongGoong_93 Start: 48909, Stop: 49235, Start Num: 159

Candidate Starts for GoongGoong_93:

(Start: 159 @48909 has 54 MA's), (Start: 175 @48951 has 1 MA's), (190, 48996), (209, 49056), (220, 49116), (231, 49176),

Gene: Goose_1 Start: 462, Stop: 758, Start Num: 142

Candidate Starts for Goose_1:

(Start: 142 @462 has 40 MA's),

Gene: Goulash_26 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for Goulash_26:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Graduation_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Graduation_1:

(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 156 @595 has 11 MA's), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Grayscar_27 Start: 17080, Stop: 17379, Start Num: 160

Candidate Starts for Grayscar_27:

(107, 16978), (Start: 160 @17080 has 746 MA's), (206, 17209), (207, 17212), (220, 17275), (228, 17323), (230, 17332), (239, 17368),

Gene: GrecoEtereo_2 Start: 749, Stop: 1057, Start Num: 160

Candidate Starts for GrecoEtereo_2:

(Start: 160 @749 has 746 MA's), (208, 872), (227, 962), (233, 998),

Gene: GreedyLawyer_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for GreedyLawyer_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: GreenWeasel_1 Start: 591, Stop: 905, Start Num: 160

Candidate Starts for GreenWeasel_1:

(Start: 160 @591 has 746 MA's), (204, 708), (210, 735), (229, 837), (241, 900),

Gene: Greg_2 Start: 749, Stop: 1057, Start Num: 160

Candidate Starts for Greg_2:

(Start: 160 @749 has 746 MA's), (208, 872), (227, 962), (233, 998),

Gene: Gretchen_74 Start: 47033, Stop: 47335, Start Num: 160

Candidate Starts for Gretchen_74:

(Start: 160 @47033 has 746 MA's), (185, 47099), (205, 47150), (210, 47174),

Gene: Grif_1 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for Grif_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: GroundGoblin_2 Start: 750, Stop: 1046, Start Num: 160
Candidate Starts for GroundGoblin_2:
(Start: 160 @750 has 746 MA's), (208, 873), (227, 963), (233, 999),

Gene: Groupthink_2 Start: 531, Stop: 824, Start Num: 160
Candidate Starts for Groupthink_2:
(Start: 136 @522 has 36 MA's), (Start: 160 @531 has 746 MA's), (185, 597),

Gene: Grub_1 Start: 526, Stop: 819, Start Num: 160
Candidate Starts for Grub_1:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Grum1_1 Start: 526, Stop: 819, Start Num: 160
Candidate Starts for Grum1_1:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Gruunaga_4 Start: 2133, Stop: 2429, Start Num: 160
Candidate Starts for Gruunaga_4:
(Start: 160 @2133 has 746 MA's), (210, 2268),

Gene: GtownJaz_1 Start: 526, Stop: 819, Start Num: 160
Candidate Starts for GtownJaz_1:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Gwendoluna_1 Start: 600, Stop: 896, Start Num: 160
Candidate Starts for Gwendoluna_1:
(Start: 160 @600 has 746 MA's), (208, 723), (227, 813), (233, 849),

Gene: Gyzlar_2 Start: 742, Stop: 1038, Start Num: 160
Candidate Starts for Gyzlar_2:
(Start: 160 @742 has 746 MA's), (208, 865), (227, 955), (233, 991),

Gene: HINdeR_1 Start: 411, Stop: 704, Start Num: 160
Candidate Starts for HINdeR_1:
(Start: 160 @411 has 746 MA's), (184, 477), (232, 654), (238, 672),

Gene: Haizum_2 Start: 652, Stop: 966, Start Num: 160
Candidate Starts for Haizum_2:
(Start: 151 @643 has 3 MA's), (Start: 160 @652 has 746 MA's), (210, 796), (217, 829),

Gene: Hami1_1 Start: 598, Stop: 894, Start Num: 160
Candidate Starts for Hami1_1:
(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Hammer_4 Start: 2132, Stop: 2428, Start Num: 160
Candidate Starts for Hammer_4:
(Start: 160 @2132 has 746 MA's), (210, 2267),

Gene: Hank144_2 Start: 693, Stop: 1007, Start Num: 160
Candidate Starts for Hank144_2:
(Start: 113 @618 has 1 MA's), (116, 624), (Start: 160 @693 has 746 MA's), (185, 762), (210, 837), (213, 849),

Gene: HarperAnne_26 Start: 16743, Stop: 17042, Start Num: 160
Candidate Starts for HarperAnne_26:
(107, 16641), (Start: 160 @16743 has 746 MA's), (206, 16872), (207, 16875), (220, 16938), (228, 16986), (230, 16995), (239, 17031),

Gene: HarryHoudini_5 Start: 2627, Stop: 2923, Start Num: 160
Candidate Starts for HarryHoudini_5:
(67, 2426), (Start: 160 @2627 has 746 MA's),

Gene: HarryOW_2 Start: 749, Stop: 1057, Start Num: 160
Candidate Starts for HarryOW_2:
(Start: 160 @749 has 746 MA's), (208, 872), (227, 962), (233, 998),

Gene: HashRod_2 Start: 518, Stop: 820, Start Num: 136
Candidate Starts for HashRod_2:
(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: HaveUMetTed_2 Start: 531, Stop: 824, Start Num: 160
Candidate Starts for HaveUMetTed_2:
(Start: 136 @522 has 36 MA's), (Start: 160 @531 has 746 MA's), (185, 597),

Gene: HeadMave_25 Start: 17075, Stop: 17374, Start Num: 160
Candidate Starts for HeadMave_25:
(107, 16973), (Start: 160 @17075 has 746 MA's), (206, 17204), (207, 17207), (220, 17270), (228, 17318), (230, 17327), (239, 17363),

Gene: Heathen_1 Start: 293, Stop: 712, Start Num: 78
Candidate Starts for Heathen_1:
(Start: 78 @293 has 2 MA's), (135, 410), (Start: 141 @416 has 3 MA's), (210, 551),

Gene: Heffalump_5 Start: 2671, Stop: 2967, Start Num: 160
Candidate Starts for Heffalump_5:
(Start: 160 @2671 has 746 MA's), (208, 2794),

Gene: HelDan_1 Start: 293, Stop: 712, Start Num: 78
Candidate Starts for HelDan_1:
(Start: 78 @293 has 2 MA's), (135, 410), (Start: 141 @416 has 3 MA's), (210, 551),

Gene: Heliosoles_1 Start: 522, Stop: 824, Start Num: 136
Candidate Starts for Heliosoles_1:
(Start: 136 @522 has 36 MA's), (Start: 160 @531 has 746 MA's), (185, 597),

Gene: Helmet_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for Helmet_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Herbertwm_1 Start: 414, Stop: 710, Start Num: 160
Candidate Starts for Herbertwm_1:
(115, 327), (117, 330), (Start: 160 @414 has 746 MA's), (198, 513),

Gene: Hercules11_1 Start: 526, Stop: 819, Start Num: 160
Candidate Starts for Hercules11_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Hermia_2 Start: 750, Stop: 1046, Start Num: 160

Candidate Starts for Hermia_2:

(Start: 160 @750 has 746 MA's), (208, 873), (227, 963), (233, 999),

Gene: HermioneGrange_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for HermioneGrange_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Hernandez44_25 Start: 17104, Stop: 17403, Start Num: 160

Candidate Starts for Hernandez44_25:

(Start: 160 @17104 has 746 MA's), (206, 17233), (207, 17236), (220, 17299), (228, 17347), (230, 17356), (239, 17392),

Gene: Hexamo_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for Hexamo_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Hippo_2 Start: 729, Stop: 1040, Start Num: 159

Candidate Starts for Hippo_2:

(85, 627), (Start: 159 @729 has 54 MA's), (188, 801), (213, 882),

Gene: HippoHollow_4 Start: 2372, Stop: 2668, Start Num: 160

Candidate Starts for HippoHollow_4:

(Start: 160 @2372 has 746 MA's),

Gene: HippoPololi_68 Start: 45087, Stop: 45419, Start Num: 154

Candidate Starts for HippoPololi_68:

(Start: 154 @45087 has 26 MA's),

Gene: Homines_2 Start: 832, Stop: 1128, Start Num: 160

Candidate Starts for Homines_2:

(Start: 127 @784 has 1 MA's), (Start: 160 @832 has 746 MA's), (208, 955), (227, 1045), (233, 1081),

Gene: Honk_82 Start: 49790, Stop: 50095, Start Num: 160

Candidate Starts for Honk_82:

(Start: 102 @49700 has 2 MA's), (Start: 141 @49769 has 3 MA's), (Start: 160 @49790 has 746 MA's), (183, 49850),

Gene: Hookmount_1 Start: 445, Stop: 741, Start Num: 160

Candidate Starts for Hookmount_1:

(Start: 160 @445 has 746 MA's), (210, 580),

Gene: Hoot_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for Hoot_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Hope4ever_1 Start: 600, Stop: 896, Start Num: 160

Candidate Starts for Hope4ever_1:

(Start: 122 @537 has 4 MA's), (Start: 136 @573 has 36 MA's), (143, 582), (Start: 156 @597 has 11 MA's), (Start: 160 @600 has 746 MA's), (208, 723), (227, 813), (233, 849),

Gene: Horacetta_25 Start: 16989, Stop: 17288, Start Num: 160
Candidate Starts for Horacetta_25:
(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Horseradish_71 Start: 45465, Stop: 45743, Start Num: 151
Candidate Starts for Horseradish_71:
(Start: 151 @45465 has 3 MA's), (Start: 154 @45468 has 26 MA's), (173, 45510), (Start: 176 @45522 has 1 MA's), (179, 45534), (213, 45585), (216, 45612), (218, 45615),

Gene: HortumSL17_4 Start: 2335, Stop: 2628, Start Num: 157
Candidate Starts for HortumSL17_4:
(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: HuhtaEnerson15_1 Start: 535, Stop: 834, Start Num: 142
Candidate Starts for HuhtaEnerson15_1:
(Start: 142 @535 has 40 MA's), (203, 643), (219, 715), (232, 784), (243, 829),

Gene: Hulk_25 Start: 17022, Stop: 17321, Start Num: 160
Candidate Starts for Hulk_25:
(26, 16653), (30, 16662), (107, 16920), (Start: 160 @17022 has 746 MA's), (206, 17151), (207, 17154), (220, 17217), (228, 17265), (230, 17274), (239, 17310),

Gene: Huphlebuff_94 Start: 48678, Stop: 49004, Start Num: 160
Candidate Starts for Huphlebuff_94:
(153, 48672), (Start: 160 @48678 has 746 MA's), (Start: 175 @48720 has 1 MA's), (190, 48765), (209, 48825), (220, 48885), (231, 48945),

Gene: Hutc2_4 Start: 2359, Stop: 2655, Start Num: 160
Candidate Starts for Hutc2_4:
(Start: 160 @2359 has 746 MA's), (Start: 174 @2392 has 3 MA's), (194, 2449), (243, 2650),

Gene: Hydra_3 Start: 739, Stop: 1053, Start Num: 159
Candidate Starts for Hydra_3:
(Start: 159 @739 has 54 MA's), (213, 895),

Gene: IAmGroot_75 Start: 45197, Stop: 45496, Start Num: 160
Candidate Starts for IAmGroot_75:
(Start: 141 @45173 has 3 MA's), (Start: 160 @45197 has 746 MA's),

Gene: ILeeKay_1 Start: 547, Stop: 843, Start Num: 160
Candidate Starts for ILeeKay_1:
(Start: 122 @484 has 4 MA's), (Start: 136 @520 has 36 MA's), (143, 529), (Start: 160 @547 has 746 MA's), (208, 670), (227, 760), (233, 796),

Gene: IUFootball_69 Start: 45434, Stop: 45733, Start Num: 160
Candidate Starts for IUFootball_69:
(Start: 160 @45434 has 746 MA's), (185, 45500), (188, 45503), (220, 45620), (240, 45725),

Gene: Ibrahim_59 Start: 41099, Stop: 41398, Start Num: 90
Candidate Starts for Ibrahim_59:
(Start: 90 @41099 has 6 MA's), (213, 41222),

Gene: Ichabod_2 Start: 749, Stop: 1045, Start Num: 160
Candidate Starts for Ichabod_2:
(Start: 160 @749 has 746 MA's), (208, 872), (233, 998),

Gene: IgnatiusPatJac_1 Start: 597, Stop: 893, Start Num: 160
Candidate Starts for IgnatiusPatJac_1:
(Start: 136 @570 has 36 MA's), (143, 579), (Start: 156 @594 has 11 MA's), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Indigo_2 Start: 740, Stop: 1054, Start Num: 159
Candidate Starts for Indigo_2:
(75, 629), (98, 656), (Start: 159 @740 has 54 MA's), (213, 896),

Gene: Indra_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for Indra_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Insomnia_4 Start: 2356, Stop: 2652, Start Num: 160
Candidate Starts for Insomnia_4:
(Start: 160 @2356 has 746 MA's), (Start: 174 @2389 has 3 MA's), (194, 2446), (243, 2647),

Gene: Inyanga_1 Start: 599, Stop: 895, Start Num: 160
Candidate Starts for Inyanga_1:
(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 156 @596 has 11 MA's), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Iqorha_1 Start: 599, Stop: 895, Start Num: 160
Candidate Starts for Iqorha_1:
(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 156 @596 has 11 MA's), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: IronMan_4 Start: 2114, Stop: 2410, Start Num: 160
Candidate Starts for IronMan_4:
(Start: 160 @2114 has 746 MA's), (198, 2213), (224, 2309),

Gene: Isca_1 Start: 420, Stop: 716, Start Num: 160
Candidate Starts for Isca_1:
(92, 318), (Start: 136 @411 has 36 MA's), (Start: 160 @420 has 746 MA's), (210, 555),

Gene: Isiphiwo_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for Isiphiwo_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Issmi_2 Start: 651, Stop: 965, Start Num: 160
Candidate Starts for Issmi_2:
(Start: 160 @651 has 746 MA's), (210, 795), (217, 828), (241, 960),

Gene: Iter_70 Start: 43593, Stop: 43895, Start Num: 160
Candidate Starts for Iter_70:
(Start: 160 @43593 has 746 MA's), (185, 43659), (205, 43710), (222, 43785), (240, 43884),

Gene: IttyBittyPiggy_70 Start: 41834, Stop: 42145, Start Num: 160
Candidate Starts for IttyBittyPiggy_70:

(Start: 160 @41834 has 746 MA's), (222, 42026), (240, 42125),

Gene: Itza_2 Start: 744, Stop: 1058, Start Num: 160

Candidate Starts for Itza_2:

(Start: 160 @744 has 746 MA's), (210, 888),

Gene: Iwokeuplikedis_5 Start: 2364, Stop: 2660, Start Num: 160

Candidate Starts for Iwokeuplikedis_5:

(Start: 160 @2364 has 746 MA's),

Gene: Izzy_2 Start: 793, Stop: 1107, Start Num: 159

Candidate Starts for Izzy_2:

(109, 715), (Start: 159 @793 has 54 MA's), (213, 949),

Gene: IzzyPants24_25 Start: 16598, Stop: 16897, Start Num: 160

Candidate Starts for IzzyPants24_25:

(107, 16496), (Start: 160 @16598 has 746 MA's), (206, 16727), (207, 16730), (220, 16793), (228, 16841), (230, 16850),

Gene: JC27_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for JC27_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: JF2_1 Start: 419, Stop: 715, Start Num: 160

Candidate Starts for JF2_1:

(Start: 78 @293 has 2 MA's), (135, 410), (Start: 160 @419 has 746 MA's), (210, 554),

Gene: JF4_1 Start: 419, Stop: 715, Start Num: 160

Candidate Starts for JF4_1:

(Start: 78 @293 has 2 MA's), (135, 410), (Start: 160 @419 has 746 MA's), (210, 554),

Gene: JHC117_1 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for JHC117_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: JRok_25 Start: 17009, Stop: 17308, Start Num: 160

Candidate Starts for JRok_25:

(12, 16535), (21, 16607), (107, 16907), (Start: 160 @17009 has 746 MA's), (206, 17138), (207, 17141), (220, 17204), (228, 17252), (230, 17261), (239, 17297),

Gene: JSwag_4 Start: 2278, Stop: 2574, Start Num: 160

Candidate Starts for JSwag_4:

(Start: 160 @2278 has 746 MA's), (194, 2368),

Gene: Jaan_4 Start: 2110, Stop: 2406, Start Num: 160

Candidate Starts for Jaan_4:

(Start: 160 @2110 has 746 MA's), (198, 2209), (224, 2305),

Gene: Jabiru_1 Start: 502, Stop: 801, Start Num: 142

Candidate Starts for Jabiru_1:

(Start: 142 @502 has 40 MA's), (Start: 167 @517 has 1 MA's), (203, 610), (232, 751), (243, 796),

Gene: Jabith_4 Start: 2356, Stop: 2652, Start Num: 160

Candidate Starts for Jabith_4:

(Start: 160 @2356 has 746 MA's), (Start: 174 @2389 has 3 MA's), (194, 2446), (243, 2647),

Gene: Jablanski_82 Start: 53171, Stop: 53461, Start Num: 172

Candidate Starts for Jablanski_82:

(Start: 136 @53114 has 36 MA's), (Start: 141 @53120 has 3 MA's), (Start: 172 @53171 has 22 MA's),

Gene: JackSparrow_1 Start: 596, Stop: 892, Start Num: 160

Candidate Starts for JackSparrow_1:

(Start: 136 @569 has 36 MA's), (143, 578), (Start: 156 @593 has 11 MA's), (Start: 160 @596 has 746 MA's), (208, 719), (227, 809), (233, 845),

Gene: Jahseh_25 Start: 16995, Stop: 17294, Start Num: 160

Candidate Starts for Jahseh_25:

(107, 16893), (Start: 160 @16995 has 746 MA's), (206, 17124), (207, 17127), (220, 17190), (228, 17238), (230, 17247), (239, 17283),

Gene: JaimeB_25 Start: 17072, Stop: 17371, Start Num: 160

Candidate Starts for JaimeB_25:

(Start: 160 @17072 has 746 MA's), (206, 17201), (207, 17204), (220, 17267), (228, 17315), (230, 17324), (239, 17360),

Gene: Jamzy_76 Start: 46875, Stop: 47171, Start Num: 154

Candidate Starts for Jamzy_76:

(118, 46800), (Start: 133 @46845 has 1 MA's), (148, 46866), (Start: 154 @46875 has 26 MA's), (Start: 174 @46920 has 3 MA's), (185, 46959), (192, 46974), (212, 47007), (214, 47034), (221, 47058), (222, 47061),

Gene: Janeemi_69 Start: 43509, Stop: 43811, Start Num: 160

Candidate Starts for Janeemi_69:

(Start: 160 @43509 has 746 MA's), (185, 43575), (205, 43626), (222, 43701), (240, 43800),

Gene: Jannah_25 Start: 17055, Stop: 17354, Start Num: 160

Candidate Starts for Jannah_25:

(Start: 160 @17055 has 746 MA's), (206, 17184), (207, 17187), (220, 17250), (228, 17298), (230, 17307), (239, 17343),

Gene: Janus_3 Start: 1027, Stop: 1341, Start Num: 160

Candidate Starts for Janus_3:

(Start: 160 @1027 has 746 MA's), (185, 1096), (210, 1171),

Gene: Jash_2 Start: 746, Stop: 1060, Start Num: 159

Candidate Starts for Jash_2:

(109, 668), (Start: 159 @746 has 54 MA's), (213, 902),

Gene: JasmineDragon_70 Start: 43243, Stop: 43605, Start Num: 154

Candidate Starts for JasmineDragon_70:

(85, 43126), (Start: 154 @43243 has 26 MA's), (183, 43312), (185, 43318), (235, 43513), (245, 43555),

Gene: Jasper_2 Start: 863, Stop: 1171, Start Num: 160

Candidate Starts for Jasper_2:

(Start: 127 @815 has 1 MA's), (Start: 160 @863 has 746 MA's), (208, 986), (227, 1076), (233, 1112),

Gene: Jeeves_4 Start: 2418, Stop: 2714, Start Num: 160
Candidate Starts for Jeeves_4:
(Start: 160 @2418 has 746 MA's), (205, 2529), (206, 2535),

Gene: Jeffabunny_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for Jeffabunny_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Jella_27 Start: 17090, Stop: 17389, Start Num: 160
Candidate Starts for Jella_27:
(Start: 160 @17090 has 746 MA's), (206, 17219), (207, 17222), (220, 17285), (228, 17333), (230, 17342), (239, 17378),

Gene: JenCasNa_1 Start: 517, Stop: 819, Start Num: 136
Candidate Starts for JenCasNa_1:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: JeppNRM_2 Start: 531, Stop: 824, Start Num: 160
Candidate Starts for JeppNRM_2:
(Start: 136 @522 has 36 MA's), (Start: 160 @531 has 746 MA's), (185, 597),

Gene: Jerky_25 Start: 17154, Stop: 17453, Start Num: 160
Candidate Starts for Jerky_25:
(107, 17052), (Start: 160 @17154 has 746 MA's), (206, 17283), (207, 17286), (220, 17349), (228, 17397), (230, 17406), (239, 17442),

Gene: Jerm_5 Start: 2548, Stop: 2844, Start Num: 160
Candidate Starts for Jerm_5:
(Start: 160 @2548 has 746 MA's), (208, 2671),

Gene: Jerm2_2 Start: 748, Stop: 1044, Start Num: 160
Candidate Starts for Jerm2_2:
(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Jevington_3 Start: 1035, Stop: 1349, Start Num: 160
Candidate Starts for Jevington_3:
(Start: 113 @963 has 1 MA's), (Start: 151 @1029 has 3 MA's), (Start: 160 @1035 has 746 MA's), (185, 1104), (210, 1179), (217, 1212),

Gene: JewelBug_4 Start: 2144, Stop: 2440, Start Num: 160
Candidate Starts for JewelBug_4:
(Start: 160 @2144 has 746 MA's), (210, 2279),

Gene: Jhitchelle_2 Start: 945, Stop: 1259, Start Num: 160
Candidate Starts for Jhitchelle_2:
(152, 939), (Start: 160 @945 has 746 MA's), (210, 1089), (217, 1122),

Gene: JoBros_25 Start: 16990, Stop: 17289, Start Num: 160
Candidate Starts for JoBros_25:
(Start: 160 @16990 has 746 MA's), (206, 17119), (207, 17122), (220, 17185), (228, 17233), (230, 17242), (239, 17278),

Gene: Jobu08_1 Start: 517, Stop: 819, Start Num: 136

Candidate Starts for Jobu08_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Joemato_71 Start: 43479, Stop: 43781, Start Num: 160

Candidate Starts for Joemato_71:

(Start: 160 @43479 has 746 MA's), (179, 43530), (185, 43545), (205, 43596), (222, 43671), (240, 43770),

Gene: JohnDoe_70 Start: 43395, Stop: 43697, Start Num: 160

Candidate Starts for JohnDoe_70:

(Start: 160 @43395 has 746 MA's), (179, 43446), (185, 43461), (205, 43512), (222, 43587), (240, 43686),

Gene: JoieB_93 Start: 49278, Stop: 49604, Start Num: 160

Candidate Starts for JoieB_93:

(139, 49251), (Start: 160 @49278 has 746 MA's), (Start: 175 @49320 has 1 MA's), (190, 49365), (209, 49425), (220, 49485), (231, 49545),

Gene: JonJames_13 Start: 3969, Stop: 4277, Start Num: 165

Candidate Starts for JonJames_13:

(Start: 165 @3969 has 25 MA's), (218, 4143), (222, 4161), (226, 4182),

Gene: JooneeDee_25 Start: 17094, Stop: 17393, Start Num: 160

Candidate Starts for JooneeDee_25:

(107, 16992), (Start: 160 @17094 has 746 MA's), (206, 17223), (207, 17226), (220, 17289), (228, 17337), (230, 17346), (239, 17382),

Gene: Jordennis_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for Jordennis_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Jorgensen_2 Start: 833, Stop: 1129, Start Num: 160

Candidate Starts for Jorgensen_2:

(Start: 127 @785 has 1 MA's), (Start: 160 @833 has 746 MA's), (208, 956), (221, 1010), (227, 1046), (233, 1082),

Gene: Joselito_4 Start: 2356, Stop: 2652, Start Num: 160

Candidate Starts for Joselito_4:

(Start: 160 @2356 has 746 MA's), (Start: 174 @2389 has 3 MA's), (194, 2446), (243, 2647),

Gene: JoshKayV_5 Start: 2563, Stop: 2859, Start Num: 160

Candidate Starts for JoshKayV_5:

(Start: 160 @2563 has 746 MA's), (208, 2686),

Gene: Josuke_25 Start: 17080, Stop: 17379, Start Num: 160

Candidate Starts for Josuke_25:

(107, 16978), (Start: 160 @17080 has 746 MA's), (206, 17209), (207, 17212), (220, 17275), (228, 17323), (230, 17332), (239, 17368),

Gene: Journey13_4 Start: 2424, Stop: 2720, Start Num: 160

Candidate Starts for Journey13_4:

(Start: 160 @2424 has 746 MA's), (194, 2514),

Gene: Jovo_1 Start: 535, Stop: 834, Start Num: 142
Candidate Starts for Jovo_1:
(Start: 142 @535 has 40 MA's), (203, 643), (219, 715), (232, 784), (243, 829),

Gene: Jsquared_4 Start: 2327, Stop: 2623, Start Num: 160
Candidate Starts for Jsquared_4:
(Start: 160 @2327 has 746 MA's),

Gene: Juicebox_59 Start: 41044, Stop: 41346, Start Num: 164
Candidate Starts for Juicebox_59:
(150, 41038), (Start: 164 @41044 has 1 MA's), (218, 41221),

Gene: JuliaChild_2 Start: 834, Stop: 1130, Start Num: 160
Candidate Starts for JuliaChild_2:
(Start: 127 @786 has 1 MA's), (Start: 160 @834 has 746 MA's), (208, 957), (227, 1047), (233, 1083),

Gene: JuneStar_68 Start: 44149, Stop: 44457, Start Num: 160
Candidate Starts for JuneStar_68:
(55, 43936), (Start: 160 @44149 has 746 MA's), (185, 44215), (219, 44332), (222, 44341), (240, 44440),

Gene: KADY_2 Start: 527, Stop: 820, Start Num: 160
Candidate Starts for KADY_2:
(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: KBG_2 Start: 835, Stop: 1131, Start Num: 160
Candidate Starts for KBG_2:
(Start: 127 @787 has 1 MA's), (Start: 160 @835 has 746 MA's), (208, 958), (227, 1048), (233, 1084),

Gene: KSSJEB_1 Start: 580, Stop: 903, Start Num: 136
Candidate Starts for KSSJEB_1:
(Start: 136 @580 has 36 MA's), (143, 589), (Start: 160 @607 has 746 MA's), (208, 730), (227, 820), (233, 856),

Gene: Kachowdy_1 Start: 416, Stop: 712, Start Num: 141
Candidate Starts for Kachowdy_1:
(Start: 78 @293 has 2 MA's), (135, 410), (Start: 141 @416 has 3 MA's), (210, 551),

Gene: Kaijohn_25 Start: 17052, Stop: 17351, Start Num: 160
Candidate Starts for Kaijohn_25:
(107, 16950), (Start: 160 @17052 has 746 MA's), (206, 17181), (207, 17184), (220, 17247), (228, 17295), (230, 17304), (239, 17340),

Gene: Kaine_3 Start: 968, Stop: 1282, Start Num: 160
Candidate Starts for Kaine_3:
(53, 755), (63, 785), (152, 962), (Start: 160 @968 has 746 MA's), (185, 1037), (210, 1112), (217, 1145),

Gene: Kalb97_2 Start: 528, Stop: 821, Start Num: 160
Candidate Starts for Kalb97_2:
(Start: 136 @519 has 36 MA's), (Start: 160 @528 has 746 MA's), (185, 594),

Gene: Kalnoky_2 Start: 522, Stop: 824, Start Num: 136
Candidate Starts for Kalnoky_2:

(Start: 136 @522 has 36 MA's), (Start: 160 @531 has 746 MA's), (185, 597),

Gene: Kalpine_4 Start: 2560, Stop: 2856, Start Num: 160

Candidate Starts for Kalpine_4:

(Start: 160 @2560 has 746 MA's),

Gene: Kanely_3 Start: 1297, Stop: 1593, Start Num: 160

Candidate Starts for Kanely_3:

(Start: 127 @1249 has 1 MA's), (Start: 160 @1297 has 746 MA's), (208, 1420), (227, 1510), (233, 1546),

Gene: Katalie_2 Start: 726, Stop: 1040, Start Num: 159

Candidate Starts for Katalie_2:

(71, 582), (Start: 159 @726 has 54 MA's), (188, 798), (213, 882),

Gene: KatherineG_4 Start: 2425, Stop: 2721, Start Num: 160

Candidate Starts for KatherineG_4:

(Start: 160 @2425 has 746 MA's), (194, 2515),

Gene: KayGee_74 Start: 48035, Stop: 48361, Start Num: 156

Candidate Starts for KayGee_74:

(148, 48023), (Start: 156 @48035 has 11 MA's), (168, 48059), (Start: 186 @48113 has 1 MA's), (200, 48140), (226, 48260),

Gene: KayPaulus_25 Start: 17082, Stop: 17381, Start Num: 160

Candidate Starts for KayPaulus_25:

(107, 16980), (Start: 160 @17082 has 746 MA's), (206, 17211), (207, 17214), (220, 17277), (228, 17325), (230, 17334), (239, 17370),

Gene: Kaylissa_71 Start: 43755, Stop: 44057, Start Num: 160

Candidate Starts for Kaylissa_71:

(Start: 160 @43755 has 746 MA's), (179, 43806), (185, 43821), (205, 43872), (222, 43947), (240, 44046),

Gene: Kazan_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for Kazan_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: KeAlii_67 Start: 41473, Stop: 41784, Start Num: 160

Candidate Starts for KeAlii_67:

(Start: 160 @41473 has 746 MA's), (185, 41539), (205, 41590), (240, 41764),

Gene: Kenmech_2 Start: 758, Stop: 1054, Start Num: 160

Candidate Starts for Kenmech_2:

(Start: 160 @758 has 746 MA's), (208, 881), (221, 935), (227, 971), (233, 1007),

Gene: Kerberos_4 Start: 2345, Stop: 2641, Start Num: 160

Candidate Starts for Kerberos_4:

(Start: 160 @2345 has 746 MA's),

Gene: Kevanna_25 Start: 17068, Stop: 17367, Start Num: 160

Candidate Starts for Kevanna_25:

(107, 16966), (Start: 160 @17068 has 746 MA's), (206, 17197), (207, 17200), (220, 17263), (228, 17311), (230, 17320), (239, 17356),

Gene: Keziacharles14_4 Start: 2212, Stop: 2505, Start Num: 157
Candidate Starts for Keziacharles14_4:
(Start: 157 @2212 has 33 MA's), (194, 2299), (203, 2314), (208, 2332),

Gene: KikiBouba_2 Start: 750, Stop: 1046, Start Num: 160
Candidate Starts for KikiBouba_2:
(Start: 160 @750 has 746 MA's), (208, 873), (227, 963), (233, 999),

Gene: KillerTomato_25 Start: 17069, Stop: 17368, Start Num: 160
Candidate Starts for KillerTomato_25:
(107, 16967), (Start: 160 @17069 has 746 MA's), (206, 17198), (207, 17201), (220, 17264), (228, 17312), (230, 17321), (239, 17357),

Gene: Killigrew_1 Start: 596, Stop: 892, Start Num: 160
Candidate Starts for Killigrew_1:
(Start: 122 @533 has 4 MA's), (Start: 136 @569 has 36 MA's), (143, 578), (Start: 160 @596 has 746 MA's), (208, 719), (227, 809), (233, 845),

Gene: Kimba_4 Start: 2389, Stop: 2652, Start Num: 174
Candidate Starts for Kimba_4:
(Start: 160 @2356 has 746 MA's), (Start: 174 @2389 has 3 MA's), (194, 2446), (243, 2647),

Gene: Kimona_1 Start: 576, Stop: 872, Start Num: 160
Candidate Starts for Kimona_1:
(135, 567), (Start: 160 @576 has 746 MA's), (Start: 174 @609 has 3 MA's), (210, 711), (232, 822),

Gene: KingCyrus_5 Start: 2548, Stop: 2844, Start Num: 160
Candidate Starts for KingCyrus_5:
(Start: 160 @2548 has 746 MA's), (208, 2671),

Gene: Kipper29_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for Kipper29_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: KittenMittens_1 Start: 472, Stop: 768, Start Num: 142
Candidate Starts for KittenMittens_1:
(50, 247), (Start: 142 @472 has 40 MA's), (210, 607),

Gene: Klodlith_4 Start: 2108, Stop: 2401, Start Num: 157
Candidate Starts for Klodlith_4:
(Start: 157 @2108 has 33 MA's), (194, 2195), (203, 2210), (208, 2228),

Gene: Koduck_4 Start: 2324, Stop: 2620, Start Num: 160
Candidate Starts for Koduck_4:
(Start: 160 @2324 has 746 MA's),

Gene: Kojax4_25 Start: 17079, Stop: 17378, Start Num: 160
Candidate Starts for Kojax4_25:
(107, 16977), (Start: 160 @17079 has 746 MA's), (206, 17208), (207, 17211), (220, 17274), (228, 17322), (230, 17331), (239, 17367),

Gene: Koko_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for Koko_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Kristoff_2 Start: 629, Stop: 925, Start Num: 142

Candidate Starts for Kristoff_2:

(Start: 103 @548 has 2 MA's), (Start: 142 @629 has 40 MA's),

Gene: Kugel_1 Start: 596, Stop: 904, Start Num: 160

Candidate Starts for Kugel_1:

(123, 533), (Start: 136 @569 has 36 MA's), (143, 578), (Start: 160 @596 has 746 MA's), (208, 719), (227, 809), (233, 845),

Gene: Kuwabara_94 Start: 53726, Stop: 54019, Start Num: 172

Candidate Starts for Kuwabara_94:

(Start: 172 @53726 has 22 MA's),

Gene: KyMonks1A_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for KyMonks1A_1:

(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Kykar_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for Kykar_1:

(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: KyriosFaba_25 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for KyriosFaba_25:

(107, 16887), (Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: L5_4 Start: 2332, Stop: 2628, Start Num: 160

Candidate Starts for L5_4:

(Start: 160 @2332 has 746 MA's),

Gene: LBerry_1 Start: 517, Stop: 819, Start Num: 136

Candidate Starts for LBerry_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: LHTSCC_1 Start: 460, Stop: 762, Start Num: 156

Candidate Starts for LHTSCC_1:

(Start: 102 @355 has 2 MA's), (Start: 156 @460 has 11 MA's), (185, 535), (233, 721),

Gene: LadyBird_4 Start: 2463, Stop: 2759, Start Num: 160

Candidate Starts for LadyBird_4:

(Start: 160 @2463 has 746 MA's), (208, 2586),

Gene: Lambert1_1 Start: 445, Stop: 741, Start Num: 160

Candidate Starts for Lambert1_1:

(Start: 160 @445 has 746 MA's), (210, 580),

Gene: Lamina13_2 Start: 750, Stop: 1046, Start Num: 160
Candidate Starts for Lamina13_2:
(Start: 160 @750 has 746 MA's), (208, 873), (227, 963), (233, 999),

Gene: Landor_4 Start: 2112, Stop: 2408, Start Num: 160
Candidate Starts for Landor_4:
(Start: 160 @2112 has 746 MA's), (198, 2211), (224, 2307),

Gene: Lannister_3 Start: 743, Stop: 1054, Start Num: 159
Candidate Starts for Lannister_3:
(125, 701), (Start: 159 @743 has 54 MA's), (213, 896),

Gene: Larenn_5 Start: 2579, Stop: 2875, Start Num: 160
Candidate Starts for Larenn_5:
(Start: 160 @2579 has 746 MA's),

Gene: LarryKay_1 Start: 527, Stop: 820, Start Num: 160
Candidate Starts for LarryKay_1:
(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: LastResort_4 Start: 2278, Stop: 2574, Start Num: 160
Candidate Starts for LastResort_4:
(Start: 160 @2278 has 746 MA's), (194, 2368),

Gene: Lauer_66 Start: 47856, Stop: 48119, Start Num: 186
Candidate Starts for Lauer_66:
(148, 47766), (Start: 156 @47778 has 11 MA's), (168, 47802), (Start: 186 @47856 has 1 MA's), (198, 47889), (226, 48015),

Gene: LaviMo_25 Start: 17080, Stop: 17379, Start Num: 160
Candidate Starts for LaviMo_25:
(107, 16978), (Start: 160 @17080 has 746 MA's), (206, 17209), (207, 17212), (220, 17275), (228, 17323), (230, 17332), (239, 17368),

Gene: Leafy_25 Start: 17034, Stop: 17333, Start Num: 160
Candidate Starts for Leafy_25:
(107, 16932), (Start: 160 @17034 has 746 MA's), (206, 17163), (207, 17166), (220, 17229), (228, 17277), (230, 17286), (239, 17322),

Gene: Legacy_2 Start: 739, Stop: 1053, Start Num: 159
Candidate Starts for Legacy_2:
(Start: 159 @739 has 54 MA's), (213, 895),

Gene: Lego_69 Start: 43077, Stop: 43379, Start Num: 160
Candidate Starts for Lego_69:
(Start: 160 @43077 has 746 MA's), (179, 43128), (185, 43143), (205, 43194), (222, 43269), (240, 43368),

Gene: LemonPepper_25 Start: 16989, Stop: 17288, Start Num: 160
Candidate Starts for LemonPepper_25:
(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Leogania_4 Start: 2319, Stop: 2615, Start Num: 160

Candidate Starts for Leogania_4:

(Start: 160 @2319 has 746 MA's), (206, 2436),

Gene: Lesedi_1 Start: 599, Stop: 895, Start Num: 160

Candidate Starts for Lesedi_1:

(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Lev2_1 Start: 534, Stop: 833, Start Num: 142

Candidate Starts for Lev2_1:

(64, 372), (Start: 142 @534 has 40 MA's), (203, 642), (219, 714), (232, 783), (243, 828),

Gene: Levia_1 Start: 599, Stop: 895, Start Num: 160

Candidate Starts for Levia_1:

(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Leviathan_5 Start: 2547, Stop: 2843, Start Num: 160

Candidate Starts for Leviathan_5:

(Start: 160 @2547 has 746 MA's), (208, 2670),

Gene: Leviticus_2 Start: 740, Stop: 1054, Start Num: 159

Candidate Starts for Leviticus_2:

(75, 629), (98, 656), (Start: 159 @740 has 54 MA's), (213, 896),

Gene: Licorice_2 Start: 751, Stop: 1047, Start Num: 160

Candidate Starts for Licorice_2:

(Start: 160 @751 has 746 MA's), (208, 874), (227, 964), (233, 1000),

Gene: Liebe_69 Start: 45433, Stop: 45732, Start Num: 160

Candidate Starts for Liebe_69:

(Start: 160 @45433 has 746 MA's), (185, 45499), (188, 45502), (220, 45619), (240, 45724),

Gene: Lika_2 Start: 726, Stop: 1037, Start Num: 159

Candidate Starts for Lika_2:

(Start: 79 @615 has 1 MA's), (Start: 159 @726 has 54 MA's), (188, 798), (199, 828), (208, 855),

Gene: LilBib_1 Start: 600, Stop: 896, Start Num: 160

Candidate Starts for LilBib_1:

(Start: 136 @573 has 36 MA's), (143, 582), (Start: 160 @600 has 746 MA's), (208, 723), (227, 813), (233, 849),

Gene: LilTurb_5 Start: 2548, Stop: 2844, Start Num: 160

Candidate Starts for LilTurb_5:

(Start: 160 @2548 has 746 MA's), (208, 2671),

Gene: Lilbit_88 Start: 49238, Stop: 49564, Start Num: 160

Candidate Starts for Lilbit_88:

(153, 49232), (Start: 160 @49238 has 746 MA's), (Start: 175 @49280 has 1 MA's), (190, 49325), (209, 49385), (220, 49445), (231, 49505),

Gene: Lilbunny_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for Lilbunny_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Lilith_1 Start: 527, Stop: 820, Start Num: 160
Candidate Starts for Lilith_1:
(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: LionelHutz_25 Start: 17075, Stop: 17374, Start Num: 160
Candidate Starts for LionelHutz_25:
(107, 16973), (Start: 160 @17075 has 746 MA's), (206, 17204), (207, 17207), (220, 17270), (228, 17318), (230, 17327), (239, 17363),

Gene: LionsBait_4 Start: 2366, Stop: 2662, Start Num: 160
Candidate Starts for LionsBait_4:
(Start: 160 @2366 has 746 MA's),

Gene: LittleCherry_1 Start: 535, Stop: 834, Start Num: 142
Candidate Starts for LittleCherry_1:
(Start: 142 @535 has 40 MA's), (203, 643), (219, 715), (232, 784), (243, 829),

Gene: LittleLaf_90 Start: 49009, Stop: 49293, Start Num: 175
Candidate Starts for LittleLaf_90:
(153, 48961), (Start: 160 @48967 has 746 MA's), (Start: 175 @49009 has 1 MA's), (190, 49054), (209, 49114), (220, 49174), (231, 49234),

Gene: Livingwater_25 Start: 17077, Stop: 17376, Start Num: 160
Candidate Starts for Livingwater_25:
(107, 16975), (Start: 160 @17077 has 746 MA's), (206, 17206), (207, 17209), (220, 17272), (228, 17320), (230, 17329), (239, 17365),

Gene: Lizalica_69 Start: 42687, Stop: 42989, Start Num: 160
Candidate Starts for Lizalica_69:
(Start: 160 @42687 has 746 MA's), (179, 42738), (185, 42753), (205, 42804), (222, 42879), (240, 42978),

Gene: Loca_25 Start: 17102, Stop: 17401, Start Num: 160
Candidate Starts for Loca_25:
(107, 17000), (Start: 160 @17102 has 746 MA's), (206, 17231), (207, 17234), (220, 17297), (228, 17345), (230, 17354), (239, 17390),

Gene: Lockley_2 Start: 739, Stop: 1035, Start Num: 160
Candidate Starts for Lockley_2:
(Start: 160 @739 has 746 MA's), (208, 862), (221, 916), (227, 952), (233, 988),

Gene: Lokk_5 Start: 2540, Stop: 2836, Start Num: 160
Candidate Starts for Lokk_5:
(Start: 160 @2540 has 746 MA's),

Gene: Lola20_25 Start: 17015, Stop: 17314, Start Num: 160
Candidate Starts for Lola20_25:
(107, 16913), (Start: 160 @17015 has 746 MA's), (206, 17144), (207, 17147), (220, 17210), (228, 17258), (230, 17267), (239, 17303),

Gene: London_69 Start: 43231, Stop: 43533, Start Num: 160

Candidate Starts for London_69:

(Start: 160 @43231 has 746 MA's), (179, 43282), (185, 43297), (205, 43348), (222, 43423), (240, 43522),

Gene: LoneWolf_4 Start: 2099, Stop: 2392, Start Num: 157

Candidate Starts for LoneWolf_4:

(Start: 157 @2099 has 33 MA's), (203, 2201), (208, 2219),

Gene: LonelyBoi_78 Start: 53256, Stop: 53543, Start Num: 172

Candidate Starts for LonelyBoi_78:

(5, 52596), (13, 52755), (16, 52785), (110, 53133), (Start: 136 @53199 has 36 MA's), (Start: 141 @53205 has 3 MA's), (Start: 172 @53256 has 22 MA's),

Gene: Loofah_3 Start: 682, Stop: 996, Start Num: 160

Candidate Starts for Loofah_3:

(Start: 113 @604 has 1 MA's), (152, 673), (Start: 160 @682 has 746 MA's), (210, 826), (213, 838),

Gene: Looper_4 Start: 2278, Stop: 2574, Start Num: 160

Candidate Starts for Looper_4:

(Start: 160 @2278 has 746 MA's), (194, 2368),

Gene: Lopton_2 Start: 841, Stop: 1137, Start Num: 160

Candidate Starts for Lopton_2:

(Start: 127 @793 has 1 MA's), (Start: 160 @841 has 746 MA's), (208, 964), (227, 1054), (233, 1090),

Gene: Lorelei_2 Start: 726, Stop: 1037, Start Num: 159

Candidate Starts for Lorelei_2:

(Start: 73 @591 has 2 MA's), (Start: 159 @726 has 54 MA's), (188, 798), (199, 828), (213, 879),

Gene: Loser_4 Start: 2277, Stop: 2573, Start Num: 160

Candidate Starts for Loser_4:

(Start: 160 @2277 has 746 MA's), (208, 2400),

Gene: Louie6_1 Start: 527, Stop: 820, Start Num: 160

Candidate Starts for Louie6_1:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Lozinak_14 Start: 3268, Stop: 3576, Start Num: 165

Candidate Starts for Lozinak_14:

(135, 3238), (Start: 165 @3268 has 25 MA's), (222, 3460), (233, 3532),

Gene: Luchador_4 Start: 2402, Stop: 2698, Start Num: 160

Candidate Starts for Luchador_4:

(Start: 160 @2402 has 746 MA's), (201, 2504), (205, 2513), (206, 2519),

Gene: Lucivia_4 Start: 2353, Stop: 2649, Start Num: 160

Candidate Starts for Lucivia_4:

(Start: 160 @2353 has 746 MA's), (Start: 174 @2386 has 3 MA's), (194, 2443), (243, 2644),

Gene: Lucyedi_4 Start: 2125, Stop: 2418, Start Num: 157

Candidate Starts for Lucyedi_4:

(Start: 157 @2125 has 33 MA's), (185, 2191), (203, 2227), (208, 2245), (210, 2257),

Gene: LugYA_3 Start: 517, Stop: 819, Start Num: 136
Candidate Starts for LugYA_3:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: LunaStella_101 Start: 55262, Stop: 55549, Start Num: 172
Candidate Starts for LunaStella_101:
(18, 54791), (52, 54992), (65, 55031), (87, 55097), (89, 55100), (Start: 141 @55211 has 3 MA's),
(Start: 172 @55262 has 22 MA's),

Gene: LunarLander_1 Start: 598, Stop: 894, Start Num: 160
Candidate Starts for LunarLander_1:
(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746
MA's), (208, 721), (227, 811), (233, 847),

Gene: Lunatic_25 Start: 16542, Stop: 16841, Start Num: 160
Candidate Starts for Lunatic_25:
(107, 16440), (Start: 160 @16542 has 746 MA's), (206, 16671), (207, 16674), (220, 16737), (228,
16785), (230, 16794),

Gene: Luxx_25 Start: 17090, Stop: 17389, Start Num: 160
Candidate Starts for Luxx_25:
(Start: 160 @17090 has 746 MA's), (206, 17219), (207, 17222), (220, 17285), (228, 17333), (230,
17342), (239, 17378),

Gene: MA5_1 Start: 429, Stop: 725, Start Num: 160
Candidate Starts for MA5_1:
(135, 420), (Start: 160 @429 has 746 MA's), (185, 498), (210, 564),

Gene: MAnor_73 Start: 48015, Stop: 48329, Start Num: 156
Candidate Starts for MAnor_73:
(148, 48003), (Start: 156 @48015 has 11 MA's), (202, 48114), (221, 48201),

Gene: MK4_1 Start: 419, Stop: 715, Start Num: 160
Candidate Starts for MK4_1:
(Start: 78 @293 has 2 MA's), (135, 410), (Start: 160 @419 has 746 MA's), (210, 554),

Gene: MPlant7149_2 Start: 748, Stop: 1044, Start Num: 160
Candidate Starts for MPlant7149_2:
(Start: 160 @748 has 746 MA's), (227, 961), (233, 997),

Gene: MaCh_4 Start: 2353, Stop: 2649, Start Num: 160
Candidate Starts for MaCh_4:
(Start: 160 @2353 has 746 MA's), (Start: 174 @2386 has 3 MA's), (194, 2443), (243, 2644),

Gene: MaGuCo_63 Start: 43554, Stop: 43853, Start Num: 160
Candidate Starts for MaGuCo_63:
(Start: 160 @43554 has 746 MA's), (185, 43620), (188, 43623), (220, 43740), (240, 43845),

Gene: Mabodamaca_75 Start: 48569, Stop: 48868, Start Num: 160
Candidate Starts for Mabodamaca_75:
(45, 48311), (Start: 160 @48569 has 746 MA's), (185, 48635), (205, 48686), (222, 48761),

Gene: MadMarie_1 Start: 518, Stop: 820, Start Num: 136
Candidate Starts for MadMarie_1:
(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Madebyisha_25 Start: 17154, Stop: 17453, Start Num: 160
Candidate Starts for Madebyisha_25:
(107, 17052), (Start: 160 @17154 has 746 MA's), (206, 17283), (207, 17286), (220, 17349), (228, 17397), (230, 17406), (239, 17442),

Gene: Magnar_1 Start: 599, Stop: 895, Start Num: 160
Candidate Starts for Magnar_1:
(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Magnito_1 Start: 535, Stop: 894, Start Num: 122
Candidate Starts for Magnito_1:
(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Mainiac_1 Start: 527, Stop: 820, Start Num: 160
Candidate Starts for Mainiac_1:
(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Majesty_25 Start: 17071, Stop: 17370, Start Num: 160
Candidate Starts for Majesty_25:
(Start: 160 @17071 has 746 MA's), (206, 17200), (207, 17203), (220, 17266), (228, 17314), (230, 17323), (239, 17359),

Gene: Makemake_2 Start: 1064, Stop: 1360, Start Num: 160
Candidate Starts for Makemake_2:
(Start: 136 @1034 has 36 MA's), (143, 1043), (Start: 156 @1058 has 11 MA's), (Start: 160 @1064 has 746 MA's), (208, 1187), (233, 1313),

Gene: MalagasyRose_85 Start: 53161, Stop: 53499, Start Num: 160
Candidate Starts for MalagasyRose_85:
(87, 53017), (89, 53020), (112, 53065), (125, 53101), (145, 53140), (Start: 160 @53161 has 746 MA's), (195, 53260), (215, 53341),

Gene: Malec_5 Start: 2579, Stop: 2875, Start Num: 160
Candidate Starts for Malec_5:
(Start: 160 @2579 has 746 MA's),

Gene: Malinsilva_3 Start: 526, Stop: 819, Start Num: 160
Candidate Starts for Malinsilva_3:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Maminiaina_4 Start: 2102, Stop: 2395, Start Num: 157
Candidate Starts for Maminiaina_4:
(Start: 157 @2102 has 33 MA's), (203, 2204), (208, 2222),

Gene: ManAs_25 Start: 16989, Stop: 17288, Start Num: 160
Candidate Starts for ManAs_25:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Manatee_2 Start: 747, Stop: 1043, Start Num: 160

Candidate Starts for Manatee_2:

(Start: 160 @747 has 746 MA's), (208, 870), (227, 960), (233, 996),

Gene: Maneater_25 Start: 17054, Stop: 17353, Start Num: 160

Candidate Starts for Maneater_25:

(107, 16952), (Start: 160 @17054 has 746 MA's), (206, 17183), (207, 17186), (220, 17249), (228, 17297), (230, 17306), (239, 17342),

Gene: Maneekul_2 Start: 729, Stop: 1040, Start Num: 159

Candidate Starts for Maneekul_2:

(85, 627), (Start: 159 @729 has 54 MA's), (188, 801), (199, 831), (208, 858), (222, 921),

Gene: Manu_2 Start: 531, Stop: 824, Start Num: 160

Candidate Starts for Manu_2:

(Start: 136 @522 has 36 MA's), (Start: 160 @531 has 746 MA's), (185, 597),

Gene: MarQuardt_1 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for MarQuardt_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Marav_3 Start: 1035, Stop: 1349, Start Num: 160

Candidate Starts for Marav_3:

(85, 909), (Start: 113 @963 has 1 MA's), (Start: 151 @1029 has 3 MA's), (Start: 160 @1035 has 746 MA's), (185, 1104), (210, 1179), (217, 1212),

Gene: Marcell_2 Start: 743, Stop: 1039, Start Num: 160

Candidate Starts for Marcell_2:

(Start: 160 @743 has 746 MA's), (208, 866), (227, 956), (233, 992),

Gene: Marchy_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for Marchy_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Marco3_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for Marco3_1:

(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Margaret_75 Start: 46622, Stop: 46930, Start Num: 154

Candidate Starts for Margaret_75:

(98, 46505), (Start: 113 @46538 has 1 MA's), (118, 46547), (Start: 133 @46592 has 1 MA's), (148, 46613), (Start: 154 @46622 has 26 MA's), (Start: 174 @46667 has 3 MA's), (185, 46706), (192, 46721), (203, 46730), (205, 46736), (213, 46769),

Gene: Marge_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Marge_1:

(Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Margo_1 Start: 445, Stop: 741, Start Num: 160

Candidate Starts for Margo_1:

(Start: 160 @445 has 746 MA's), (210, 580),

Gene: Marichuy_26 Start: 17105, Stop: 17404, Start Num: 160

Candidate Starts for Marichuy_26:

(107, 17003), (Start: 160 @17105 has 746 MA's), (206, 17234), (207, 17237), (220, 17300), (228, 17348), (230, 17357),

Gene: Marie_1 Start: 517, Stop: 819, Start Num: 136

Candidate Starts for Marie_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Marius_2 Start: 531, Stop: 824, Start Num: 160

Candidate Starts for Marius_2:

(Start: 136 @522 has 36 MA's), (Start: 160 @531 has 746 MA's), (185, 597),

Gene: Maroc7_1 Start: 600, Stop: 896, Start Num: 160

Candidate Starts for Maroc7_1:

(Start: 122 @537 has 4 MA's), (Start: 136 @573 has 36 MA's), (143, 582), (Start: 160 @600 has 746 MA's), (208, 723), (227, 813), (233, 849),

Gene: Marsha_2 Start: 1060, Stop: 1356, Start Num: 158

Candidate Starts for Marsha_2:

(Start: 136 @1033 has 36 MA's), (143, 1042), (Start: 156 @1057 has 11 MA's), (Start: 158 @1060 has 4 MA's), (208, 1183), (233, 1309),

Gene: Marvin_86 Start: 48763, Stop: 49089, Start Num: 160

Candidate Starts for Marvin_86:

(153, 48757), (Start: 160 @48763 has 746 MA's), (Start: 175 @48805 has 1 MA's), (190, 48850), (209, 48910), (220, 48970), (231, 49030),

Gene: MaryBeth_2 Start: 751, Stop: 1047, Start Num: 160

Candidate Starts for MaryBeth_2:

(Start: 160 @751 has 746 MA's), (208, 874), (227, 964), (233, 1000),

Gene: MasterPitts_25 Start: 17012, Stop: 17311, Start Num: 160

Candidate Starts for MasterPitts_25:

(107, 16910), (Start: 160 @17012 has 746 MA's), (206, 17141), (207, 17144), (220, 17207), (228, 17255), (230, 17264),

Gene: Mauilvory_24 Start: 16465, Stop: 16764, Start Num: 160

Candidate Starts for Mauilvory_24:

(107, 16363), (Start: 160 @16465 has 746 MA's), (206, 16594), (207, 16597), (220, 16660), (228, 16708), (230, 16717),

Gene: Maureen_69 Start: 45432, Stop: 45731, Start Num: 160

Candidate Starts for Maureen_69:

(Start: 160 @45432 has 746 MA's), (185, 45498), (188, 45501), (220, 45618), (240, 45723),

Gene: Mayweather_74 Start: 48037, Stop: 48378, Start Num: 156

Candidate Starts for Mayweather_74:

(148, 48025), (Start: 156 @48037 has 11 MA's), (168, 48061), (Start: 186 @48115 has 1 MA's), (200, 48154), (226, 48274),

Gene: McDazzle_71 Start: 47583, Stop: 47897, Start Num: 156

Candidate Starts for McDazzle_71:

(148, 47571), (Start: 156 @47583 has 11 MA's), (202, 47682), (219, 47763), (221, 47769),

Gene: McFly_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for McFly_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: McGuire_2 Start: 749, Stop: 1045, Start Num: 160

Candidate Starts for McGuire_2:

(Start: 160 @749 has 746 MA's), (208, 872), (221, 926), (227, 962), (233, 998),

Gene: McShie_25 Start: 17061, Stop: 17360, Start Num: 160

Candidate Starts for McShie_25:

(12, 16587), (21, 16659), (107, 16959), (Start: 160 @17061 has 746 MA's), (206, 17190), (207, 17193), (220, 17256), (228, 17304), (230, 17313), (239, 17349),

Gene: McSinger_2 Start: 741, Stop: 1049, Start Num: 160

Candidate Starts for McSinger_2:

(106, 636), (Start: 160 @741 has 746 MA's), (208, 864), (227, 954), (233, 990),

Gene: MelBee03_25 Start: 17068, Stop: 17367, Start Num: 160

Candidate Starts for MelBee03_25:

(107, 16966), (Start: 160 @17068 has 746 MA's), (206, 17197), (207, 17200), (220, 17263), (228, 17311), (230, 17320), (239, 17356),

Gene: Mendokysei_63 Start: 42026, Stop: 42310, Start Num: 180

Candidate Starts for Mendokysei_63:

(14, 41501), (19, 41540), (23, 41567), (44, 41678), (124, 41906), (Start: 180 @42026 has 1 MA's), (213, 42134), (219, 42173),

Gene: MetalQZJ_2 Start: 751, Stop: 1047, Start Num: 160

Candidate Starts for MetalQZJ_2:

(Start: 160 @751 has 746 MA's), (208, 874), (227, 964), (233, 1000),

Gene: Methuselah_1 Start: 527, Stop: 820, Start Num: 160

Candidate Starts for Methuselah_1:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Miaurora_25 Start: 16659, Stop: 16958, Start Num: 160

Candidate Starts for Miaurora_25:

(107, 16557), (Start: 160 @16659 has 746 MA's), (206, 16788), (207, 16791), (220, 16854), (228, 16902), (230, 16911),

Gene: Michley_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for Michley_1:

(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Microwolf_1 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for Microwolf_1:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: MiculUcigas_5 Start: 2624, Stop: 2920, Start Num: 160
Candidate Starts for MiculUcigas_5:
(67, 2423), (Start: 160 @2624 has 746 MA's),

Gene: Midas2_1 Start: 503, Stop: 802, Start Num: 142
Candidate Starts for Midas2_1:
(62, 368), (Start: 142 @503 has 40 MA's), (203, 611), (219, 683), (232, 752), (243, 797),

Gene: Miko_5 Start: 2518, Stop: 2814, Start Num: 160
Candidate Starts for Miko_5:
(Start: 160 @2518 has 746 MA's),

Gene: Milcery_1 Start: 534, Stop: 833, Start Num: 142
Candidate Starts for Milcery_1:
(64, 372), (Start: 142 @534 has 40 MA's), (203, 642), (219, 714), (232, 783), (243, 828),

Gene: MinecraftSteve_5 Start: 2425, Stop: 2721, Start Num: 160
Candidate Starts for MinecraftSteve_5:
(Start: 160 @2425 has 746 MA's), (194, 2515),

Gene: MiniMommy_70 Start: 43251, Stop: 43613, Start Num: 154
Candidate Starts for MiniMommy_70:
(85, 43134), (Start: 154 @43251 has 26 MA's), (183, 43320), (185, 43326), (235, 43521), (241, 43554),
(245, 43563),

Gene: Minima_25 Start: 16989, Stop: 17288, Start Num: 160
Candidate Starts for Minima_25:
(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230,
17241), (239, 17277),

Gene: MirimarMandM_25 Start: 17137, Stop: 17436, Start Num: 160
Candidate Starts for MirimarMandM_25:
(107, 17035), (Start: 160 @17137 has 746 MA's), (206, 17266), (207, 17269), (220, 17332), (228,
17380), (230, 17389), (239, 17425),

Gene: Miskis_12 Start: 3268, Stop: 3576, Start Num: 165
Candidate Starts for Miskis_12:
(135, 3238), (Start: 165 @3268 has 25 MA's), (222, 3460), (233, 3532),

Gene: MissSwiss_70 Start: 42246, Stop: 42548, Start Num: 160
Candidate Starts for MissSwiss_70:
(Start: 160 @42246 has 746 MA's), (205, 42363), (219, 42429), (240, 42537),

Gene: MissWhite_4 Start: 2314, Stop: 2610, Start Num: 160
Candidate Starts for MissWhite_4:
(Start: 160 @2314 has 746 MA's),

Gene: Mkhuseli_1 Start: 600, Stop: 896, Start Num: 160
Candidate Starts for Mkhuseli_1:

(Start: 122 @537 has 4 MA's), (Start: 136 @573 has 36 MA's), (143, 582), (Start: 160 @600 has 746 MA's), (208, 723), (227, 813), (233, 849),

Gene: Molly_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for Molly_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Mollymur_10 Start: 5419, Stop: 5724, Start Num: 165

Candidate Starts for Mollymur_10:

(Start: 165 @5419 has 25 MA's), (218, 5590), (241, 5719),

Gene: Monet_2 Start: 750, Stop: 1046, Start Num: 160

Candidate Starts for Monet_2:

(Start: 160 @750 has 746 MA's), (208, 873), (227, 963), (233, 999),

Gene: MoneyMay_1 Start: 517, Stop: 819, Start Num: 136

Candidate Starts for MoneyMay_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Moose_1 Start: 596, Stop: 892, Start Num: 160

Candidate Starts for Moose_1:

(Start: 122 @533 has 4 MA's), (Start: 136 @569 has 36 MA's), (143, 578), (Start: 160 @596 has 746 MA's), (208, 719), (221, 773), (227, 809), (233, 845),

Gene: MortyNRick_97 Start: 53600, Stop: 53893, Start Num: 172

Candidate Starts for MortyNRick_97:

(88, 53429), (Start: 172 @53600 has 22 MA's),

Gene: MosMoris_88 Start: 49109, Stop: 49435, Start Num: 159

Candidate Starts for MosMoris_88:

(Start: 159 @49109 has 54 MA's), (Start: 175 @49151 has 1 MA's), (190, 49196), (209, 49256), (220, 49316), (231, 49376),

Gene: MrGordo_1 Start: 570, Stop: 905, Start Num: 136

Candidate Starts for MrGordo_1:

(123, 534), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: MrGreen_25 Start: 17048, Stop: 17347, Start Num: 160

Candidate Starts for MrGreen_25:

(107, 16946), (Start: 160 @17048 has 746 MA's), (206, 17177), (207, 17180), (220, 17243), (228, 17291), (230, 17300), (239, 17336),

Gene: Mryolo_1 Start: 599, Stop: 895, Start Num: 160

Candidate Starts for Mryolo_1:

(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Mudpuppy_68 Start: 43455, Stop: 43757, Start Num: 160

Candidate Starts for Mudpuppy_68:

(Start: 160 @43455 has 746 MA's), (179, 43506), (185, 43521), (205, 43572), (222, 43647), (240, 43746),

Gene: Mulciber_4 Start: 2359, Stop: 2655, Start Num: 160

Candidate Starts for Mulciber_4:

(Start: 160 @2359 has 746 MA's), (Start: 174 @2392 has 3 MA's), (194, 2449), (243, 2650),

Gene: Mule_1 Start: 595, Stop: 891, Start Num: 160

Candidate Starts for Mule_1:

(Start: 122 @532 has 4 MA's), (Start: 136 @568 has 36 MA's), (143, 577), (Start: 156 @592 has 11 MA's), (Start: 160 @595 has 746 MA's), (208, 718), (227, 808), (233, 844),

Gene: Munch_4 Start: 2356, Stop: 2652, Start Num: 160

Candidate Starts for Munch_4:

(Start: 160 @2356 has 746 MA's), (Start: 174 @2389 has 3 MA's), (194, 2446), (243, 2647),

Gene: MunkgeeRoachy_69 Start: 45602, Stop: 45892, Start Num: 154

Candidate Starts for MunkgeeRoachy_69:

(148, 45596), (Start: 154 @45602 has 26 MA's), (192, 45701),

Gene: Museum_3 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for Museum_3:

(Start: 160 @748 has 746 MA's), (227, 961), (233, 997),

Gene: MyraDee_1 Start: 377, Stop: 667, Start Num: 161

Candidate Starts for MyraDee_1:

(Start: 161 @377 has 1 MA's), (185, 440), (210, 506), (232, 617),

Gene: Myram_25 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for Myram_25:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Myxus_4 Start: 2335, Stop: 2628, Start Num: 157

Candidate Starts for Myxus_4:

(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: NEHalo_2 Start: 747, Stop: 1043, Start Num: 160

Candidate Starts for NEHalo_2:

(Start: 160 @747 has 746 MA's), (208, 870), (227, 960), (233, 996),

Gene: NaSiaTalie_5 Start: 2624, Stop: 2920, Start Num: 160

Candidate Starts for NaSiaTalie_5:

(67, 2423), (Start: 160 @2624 has 746 MA's),

Gene: Nabi_2 Start: 726, Stop: 1037, Start Num: 159

Candidate Starts for Nabi_2:

(Start: 73 @591 has 2 MA's), (Start: 159 @726 has 54 MA's), (188, 798), (199, 828), (213, 879),

Gene: Naby_26 Start: 17079, Stop: 17381, Start Num: 160

Candidate Starts for Naby_26:

(31, 16722), (107, 16980), (Start: 160 @17079 has 746 MA's), (206, 17208), (220, 17274), (228, 17322), (230, 17331),

Gene: Naca_1 Start: 505, Stop: 804, Start Num: 142

Candidate Starts for Naca_1:

(Start: 142 @505 has 40 MA's), (Start: 167 @520 has 1 MA's), (203, 613), (232, 754), (243, 799),

Gene: Naira_1 Start: 606, Stop: 902, Start Num: 160

Candidate Starts for Naira_1:

(Start: 122 @543 has 4 MA's), (Start: 136 @579 has 36 MA's), (143, 588), (Start: 160 @606 has 746 MA's), (208, 729), (221, 783), (227, 819), (233, 855),

Gene: Nairb_57 Start: 40896, Stop: 41195, Start Num: 90

Candidate Starts for Nairb_57:

(43, 40761), (56, 40821), (Start: 90 @40896 has 6 MA's), (213, 41019),

Gene: Naji_4 Start: 2345, Stop: 2641, Start Num: 160

Candidate Starts for Naji_4:

(Start: 160 @2345 has 746 MA's),

Gene: Namsahir_27 Start: 16803, Stop: 17102, Start Num: 160

Candidate Starts for Namsahir_27:

(107, 16701), (Start: 160 @16803 has 746 MA's), (206, 16932), (207, 16935), (220, 16998), (228, 17046), (230, 17055),

Gene: Nanodon_3 Start: 713, Stop: 1027, Start Num: 159

Candidate Starts for Nanodon_3:

(80, 602), (109, 632), (Start: 159 @713 has 54 MA's), (188, 785), (213, 869),

Gene: NearlyHeadless_1 Start: 505, Stop: 798, Start Num: 162

Candidate Starts for NearlyHeadless_1:

(Start: 162 @505 has 8 MA's), (219, 679), (233, 757), (243, 793),

Gene: Nebkiss_165 Start: 79421, Stop: 79717, Start Num: 163

Candidate Starts for Nebkiss_165:

(Start: 163 @79421 has 2 MA's), (Start: 177 @79466 has 1 MA's), (182, 79478), (204, 79532), (209, 79553), (212, 79568), (219, 79607), (222, 79616), (223, 79622),

Gene: Nebulosus_4 Start: 2278, Stop: 2574, Start Num: 160

Candidate Starts for Nebulosus_4:

(Start: 160 @2278 has 746 MA's), (194, 2368),

Gene: Nedarya_4 Start: 2247, Stop: 2543, Start Num: 160

Candidate Starts for Nedarya_4:

(Start: 160 @2247 has 746 MA's),

Gene: Neeharika16_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for Neeharika16_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Nerdos_2 Start: 740, Stop: 1054, Start Num: 159

Candidate Starts for Nerdos_2:

(75, 629), (98, 656), (Start: 159 @740 has 54 MA's), (213, 896),

Gene: Nergal_81 Start: 54725, Stop: 55063, Start Num: 160

Candidate Starts for Nergal_81:

(Start: 160 @54725 has 746 MA's), (191, 54815), (195, 54824), (215, 54905),

Gene: Nerujay_1 Start: 598, Stop: 906, Start Num: 160
Candidate Starts for Nerujay_1:
(123, 535), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721),
(227, 811), (233, 847),

Gene: Nette_66 Start: 41850, Stop: 42134, Start Num: 94
Candidate Starts for Nette_66:
(28, 41607), (94, 41850), (219, 41997),

Gene: NeumannU_25 Start: 17072, Stop: 17371, Start Num: 160
Candidate Starts for NeumannU_25:
(Start: 160 @17072 has 746 MA's), (206, 17201), (207, 17204), (220, 17267), (228, 17315), (230,
17324), (239, 17360),

Gene: Newrala_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for Newrala_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Nhonho_2 Start: 746, Stop: 1042, Start Num: 160
Candidate Starts for Nhonho_2:
(Start: 160 @746 has 746 MA's), (227, 959), (233, 995),

Gene: Nibbles_67 Start: 45280, Stop: 45597, Start Num: 154
Candidate Starts for Nibbles_67:
(Start: 154 @45280 has 26 MA's), (213, 45418), (226, 45487),

Gene: NicoleTera_4 Start: 2315, Stop: 2611, Start Num: 160
Candidate Starts for NicoleTera_4:
(Start: 160 @2315 has 746 MA's),

Gene: Niffler_25 Start: 16650, Stop: 16949, Start Num: 160
Candidate Starts for Niffler_25:
(107, 16548), (Start: 160 @16650 has 746 MA's), (206, 16779), (207, 16782), (220, 16845), (228,
16893), (230, 16902),

Gene: Niobe_69 Start: 43234, Stop: 43536, Start Num: 160
Candidate Starts for Niobe_69:
(Start: 160 @43234 has 746 MA's), (179, 43285), (185, 43300), (205, 43351), (222, 43426), (240,
43525),

Gene: Nishikigoi_2 Start: 652, Stop: 966, Start Num: 160
Candidate Starts for Nishikigoi_2:
(Start: 151 @643 has 3 MA's), (Start: 160 @652 has 746 MA's), (210, 796), (217, 829),

Gene: Nitro_70 Start: 44009, Stop: 44311, Start Num: 160
Candidate Starts for Nitro_70:
(Start: 160 @44009 has 746 MA's), (185, 44075), (205, 44126), (222, 44201), (240, 44300),

Gene: Niza_3 Start: 1297, Stop: 1593, Start Num: 160
Candidate Starts for Niza_3:
(Start: 127 @1249 has 1 MA's), (Start: 160 @1297 has 746 MA's), (208, 1420), (233, 1546),

Gene: Nobel_25 Start: 16676, Stop: 16975, Start Num: 160

Candidate Starts for Nobel_25:

(107, 16574), (Start: 160 @16676 has 746 MA's), (206, 16805), (207, 16808), (220, 16871), (228, 16919), (230, 16928),

Gene: Nodigi_74 Start: 46877, Stop: 47185, Start Num: 154

Candidate Starts for Nodigi_74:

(129, 46838), (148, 46868), (Start: 154 @46877 has 26 MA's), (Start: 174 @46922 has 3 MA's), (185, 46961), (192, 46976), (203, 46985), (213, 47024), (214, 47048), (218, 47057),

Gene: Noelani_25 Start: 16975, Stop: 17274, Start Num: 160

Candidate Starts for Noelani_25:

(48, 16711), (107, 16873), (118, 16897), (Start: 160 @16975 has 746 MA's), (207, 17107), (220, 17170), (228, 17218), (230, 17227), (239, 17263),

Gene: Noella_1 Start: 445, Stop: 741, Start Num: 160

Candidate Starts for Noella_1:

(Start: 160 @445 has 746 MA's), (210, 580),

Gene: Norvs_14 Start: 3268, Stop: 3576, Start Num: 165

Candidate Starts for Norvs_14:

(135, 3238), (Start: 165 @3268 has 25 MA's), (222, 3460), (233, 3532),

Gene: Norz_2 Start: 745, Stop: 1041, Start Num: 160

Candidate Starts for Norz_2:

(Start: 160 @745 has 746 MA's), (208, 868), (227, 958), (233, 994),

Gene: Noxious_2 Start: 750, Stop: 1046, Start Num: 160

Candidate Starts for Noxious_2:

(Start: 160 @750 has 746 MA's), (208, 873), (227, 963), (233, 999),

Gene: OKCentral2016_1 Start: 464, Stop: 760, Start Num: 142

Candidate Starts for OKCentral2016_1:

(100, 377), (Start: 142 @464 has 40 MA's),

Gene: Oaklynn_25 Start: 17012, Stop: 17311, Start Num: 160

Candidate Starts for Oaklynn_25:

(25, 16631), (29, 16640), (107, 16910), (Start: 160 @17012 has 746 MA's), (206, 17141), (207, 17144), (220, 17207), (228, 17255), (230, 17264), (239, 17300),

Gene: ObiToo_74 Start: 43593, Stop: 43895, Start Num: 160

Candidate Starts for ObiToo_74:

(Start: 160 @43593 has 746 MA's), (222, 43785), (240, 43884),

Gene: Octopus_25 Start: 16995, Stop: 17294, Start Num: 160

Candidate Starts for Octopus_25:

(Start: 160 @16995 has 746 MA's), (206, 17124), (207, 17127), (220, 17190), (228, 17238), (230, 17247), (239, 17283),

Gene: OdetoJoy_25 Start: 17154, Stop: 17453, Start Num: 160

Candidate Starts for OdetoJoy_25:

(107, 17052), (Start: 160 @17154 has 746 MA's), (206, 17283), (207, 17286), (220, 17349), (228, 17397), (230, 17406), (239, 17442),

Gene: Odin_3 Start: 2153, Stop: 2449, Start Num: 160

Candidate Starts for Odin_3:

(Start: 160 @2153 has 746 MA's), (224, 2348),

Gene: Ohno789_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for Ohno789_1:

(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: OlanP_1 Start: 710, Stop: 1003, Start Num: 160

Candidate Starts for OlanP_1:

(Start: 160 @710 has 746 MA's), (185, 776),

Gene: Oliynyk_2 Start: 746, Stop: 1060, Start Num: 159

Candidate Starts for Oliynyk_2:

(109, 668), (Start: 159 @746 has 54 MA's), (213, 902),

Gene: Ollie_1 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for Ollie_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Omar_2 Start: 651, Stop: 965, Start Num: 160

Candidate Starts for Omar_2:

(Start: 151 @642 has 3 MA's), (Start: 160 @651 has 746 MA's), (210, 795), (217, 828),

Gene: OneUp_9 Start: 2116, Stop: 2424, Start Num: 165

Candidate Starts for OneUp_9:

(128, 2056), (Start: 165 @2116 has 25 MA's), (218, 2290), (225, 2326),

Gene: Oofda_4 Start: 2282, Stop: 2578, Start Num: 160

Candidate Starts for Oofda_4:

(111, 2186), (Start: 160 @2282 has 746 MA's), (194, 2372),

Gene: Oogway_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Oogway_1:

(Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (233, 847),

Gene: Orange_4 Start: 2389, Stop: 2652, Start Num: 174

Candidate Starts for Orange_4:

(Start: 160 @2356 has 746 MA's), (Start: 174 @2389 has 3 MA's), (194, 2446), (243, 2647),

Gene: Orla_75 Start: 47026, Stop: 47334, Start Num: 154

Candidate Starts for Orla_75:

(148, 47017), (Start: 154 @47026 has 26 MA's), (Start: 174 @47071 has 3 MA's), (185, 47110), (192, 47125), (203, 47134), (213, 47173), (214, 47197), (218, 47206),

Gene: Otwor_25 Start: 17081, Stop: 17380, Start Num: 160

Candidate Starts for Otwor_25:

(107, 16979), (Start: 160 @17081 has 746 MA's), (206, 17210), (207, 17213), (220, 17276), (228, 17324), (230, 17333), (239, 17369),

Gene: Owens_25 Start: 17072, Stop: 17371, Start Num: 160

Candidate Starts for Owens_25:

(Start: 160 @17072 has 746 MA's), (206, 17201), (207, 17204), (220, 17267), (228, 17315), (230, 17324), (239, 17360),

Gene: Ozzie_2 Start: 739, Stop: 1053, Start Num: 159

Candidate Starts for Ozzie_2:

(Start: 159 @739 has 54 MA's), (213, 895),

Gene: OzzyJ_3 Start: 730, Stop: 1041, Start Num: 159

Candidate Starts for OzzyJ_3:

(Start: 73 @589 has 2 MA's), (85, 628), (Start: 159 @730 has 54 MA's), (188, 802), (213, 883),

Gene: P28Green_1 Start: 517, Stop: 819, Start Num: 136

Candidate Starts for P28Green_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: PGHhamlin_3 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for PGHhamlin_3:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: PSullivan_2 Start: 834, Stop: 1130, Start Num: 160

Candidate Starts for PSullivan_2:

(Start: 127 @786 has 1 MA's), (Start: 160 @834 has 746 MA's), (208, 957), (227, 1047), (233, 1083),

Gene: Pablito_2 Start: 689, Stop: 1003, Start Num: 160

Candidate Starts for Pablito_2:

(Start: 160 @689 has 746 MA's), (210, 833), (213, 845), (217, 866),

Gene: PacerPaul_2 Start: 835, Stop: 1131, Start Num: 160

Candidate Starts for PacerPaul_2:

(Start: 127 @787 has 1 MA's), (Start: 160 @835 has 746 MA's), (208, 958), (227, 1048), (233, 1084),

Gene: PackMan_4 Start: 2335, Stop: 2628, Start Num: 157

Candidate Starts for PackMan_4:

(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: Paedore_3 Start: 682, Stop: 996, Start Num: 160

Candidate Starts for Paedore_3:

(Start: 113 @604 has 1 MA's), (152, 673), (Start: 160 @682 has 746 MA's), (210, 826), (213, 838),

Gene: PainterBoy_4 Start: 2125, Stop: 2418, Start Num: 157

Candidate Starts for PainterBoy_4:

(Start: 157 @2125 has 33 MA's), (185, 2191), (203, 2227), (208, 2245), (210, 2257),

Gene: PandaPo_69 Start: 42253, Stop: 42555, Start Num: 160

Candidate Starts for PandaPo_69:

(Start: 160 @42253 has 746 MA's), (205, 42370), (219, 42436), (240, 42544),

Gene: PaoPu_25 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for PaoPu_25:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Paolo_3 Start: 1034, Stop: 1348, Start Num: 160

Candidate Starts for Paolo_3:

(75, 881), (Start: 113 @962 has 1 MA's), (Start: 151 @1028 has 3 MA's), (Start: 160 @1034 has 746 MA's), (185, 1103), (210, 1178),

Gene: Papez_2 Start: 785, Stop: 1129, Start Num: 127

Candidate Starts for Papez_2:

(Start: 127 @785 has 1 MA's), (Start: 160 @833 has 746 MA's), (189, 908), (208, 956), (227, 1046), (233, 1082),

Gene: Paphu_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for Paphu_1:

(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Paraselene_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for Paraselene_1:

(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Pari_2 Start: 735, Stop: 1031, Start Num: 160

Candidate Starts for Pari_2:

(Start: 160 @735 has 746 MA's), (208, 858), (227, 948), (233, 984),

Gene: Parliament_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Parliament_1:

(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: PascalRango_2 Start: 747, Stop: 1043, Start Num: 160

Candidate Starts for PascalRango_2:

(Start: 160 @747 has 746 MA's), (208, 870), (227, 960), (233, 996),

Gene: PattyP_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for PattyP_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Pavo_3 Start: 974, Stop: 1288, Start Num: 160

Candidate Starts for Pavo_3:

(57, 770), (59, 773), (Start: 73 @815 has 2 MA's), (74, 824), (105, 875), (152, 968), (Start: 160 @974 has 746 MA's), (185, 1043), (210, 1118), (217, 1151),

Gene: Pawn_1 Start: 522, Stop: 824, Start Num: 136

Candidate Starts for Pawn_1:

(Start: 136 @522 has 36 MA's), (Start: 160 @531 has 746 MA's), (185, 597),

Gene: Payneful_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for Payneful_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: PeaceMeal1_1 Start: 474, Stop: 770, Start Num: 142

Candidate Starts for PeaceMeal1_1:

(54, 270), (Start: 142 @474 has 40 MA's), (210, 609),

Gene: Pelly_2 Start: 782, Stop: 1078, Start Num: 160
Candidate Starts for Pelly_2:
(Start: 160 @782 has 746 MA's), (208, 905), (227, 995), (233, 1031),

Gene: Pembroke_1 Start: 517, Stop: 819, Start Num: 136
Candidate Starts for Pembroke_1:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Penny1_1 Start: 526, Stop: 819, Start Num: 160
Candidate Starts for Penny1_1:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Pepe_2 Start: 860, Stop: 1165, Start Num: 160
Candidate Starts for Pepe_2:
(Start: 127 @812 has 1 MA's), (Start: 160 @860 has 746 MA's), (208, 983), (227, 1073), (233, 1109),

Gene: Percival_75 Start: 46934, Stop: 47236, Start Num: 160
Candidate Starts for Percival_75:
(Start: 160 @46934 has 746 MA's), (185, 47000), (205, 47051), (210, 47075),

Gene: Perseus_1 Start: 595, Stop: 891, Start Num: 160
Candidate Starts for Perseus_1:
(Start: 122 @532 has 4 MA's), (Start: 136 @568 has 36 MA's), (143, 577), (Start: 156 @592 has 11 MA's), (Start: 160 @595 has 746 MA's), (208, 718), (227, 808), (233, 844),

Gene: Peterson_1 Start: 599, Stop: 895, Start Num: 160
Candidate Starts for Peterson_1:
(Start: 136 @572 has 36 MA's), (143, 581), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Petp2012_2 Start: 748, Stop: 1044, Start Num: 160
Candidate Starts for Petp2012_2:
(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Petruccio_2 Start: 749, Stop: 1045, Start Num: 160
Candidate Starts for Petruccio_2:
(Start: 160 @749 has 746 MA's), (208, 872), (227, 962), (233, 998),

Gene: PetterN_1 Start: 502, Stop: 801, Start Num: 142
Candidate Starts for PetterN_1:
(Start: 142 @502 has 40 MA's), (Start: 167 @517 has 1 MA's), (203, 610), (232, 751), (243, 796),

Gene: Ph8s_4 Start: 2160, Stop: 2456, Start Num: 160
Candidate Starts for Ph8s_4:
(117, 2076), (Start: 160 @2160 has 746 MA's), (217, 2328),

Gene: Phaded_4 Start: 2109, Stop: 2405, Start Num: 160
Candidate Starts for Phaded_4:
(Start: 160 @2109 has 746 MA's), (198, 2208), (224, 2304),

Gene: Phaeder_4 Start: 2335, Stop: 2628, Start Num: 157
Candidate Starts for Phaeder_4:
(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: Phantastic_1 Start: 425, Stop: 721, Start Num: 141

Candidate Starts for Phantastic_1:

(139, 422), (Start: 141 @425 has 3 MA's), (210, 560),

Gene: Pharaoh_4 Start: 2218, Stop: 2514, Start Num: 158

Candidate Starts for Pharaoh_4:

(Start: 158 @2218 has 4 MA's), (206, 2335),

Gene: PherrisBueller_2 Start: 863, Stop: 1171, Start Num: 160

Candidate Starts for PherrisBueller_2:

(Start: 127 @815 has 1 MA's), (Start: 160 @863 has 746 MA's), (208, 986), (227, 1076), (233, 1112),

Gene: Phettuccine_2 Start: 740, Stop: 1054, Start Num: 159

Candidate Starts for Phettuccine_2:

(75, 629), (98, 656), (Start: 159 @740 has 54 MA's), (213, 896),

Gene: Phillis_1 Start: 505, Stop: 798, Start Num: 162

Candidate Starts for Phillis_1:

(Start: 162 @505 has 8 MA's), (194, 592), (219, 679), (233, 757), (243, 793),

Gene: PhineBark_1 Start: 599, Stop: 895, Start Num: 160

Candidate Starts for PhineBark_1:

(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: PhinkBoden_15 Start: 3766, Stop: 4074, Start Num: 165

Candidate Starts for PhinkBoden_15:

(135, 3736), (Start: 165 @3766 has 25 MA's), (233, 4030),

Gene: PhishRPhriends_1 Start: 531, Stop: 824, Start Num: 160

Candidate Starts for PhishRPhriends_1:

(Start: 136 @522 has 36 MA's), (Start: 160 @531 has 746 MA's), (185, 597),

Gene: Phives_70 Start: 43835, Stop: 44137, Start Num: 160

Candidate Starts for Phives_70:

(Start: 160 @43835 has 746 MA's), (185, 43901), (205, 43952), (222, 44027), (240, 44126),

Gene: Phlippers_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Phlippers_1:

(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Phlorence_1 Start: 534, Stop: 833, Start Num: 142

Candidate Starts for Phlorence_1:

(64, 372), (Start: 142 @534 has 40 MA's), (203, 642), (219, 714), (232, 783), (243, 828),

Gene: Phoebe_1 Start: 517, Stop: 819, Start Num: 136

Candidate Starts for Phoebe_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Phonnegut_4 Start: 2335, Stop: 2628, Start Num: 157

Candidate Starts for Phonnegut_4:

(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: Phoxy_1 Start: 527, Stop: 820, Start Num: 160

Candidate Starts for Phoxy_1:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Phranny_2 Start: 531, Stop: 824, Start Num: 160

Candidate Starts for Phranny_2:

(Start: 136 @522 has 36 MA's), (Start: 160 @531 has 746 MA's), (185, 597),

Gene: PhrostyMug_1 Start: 532, Stop: 891, Start Num: 122

Candidate Starts for PhrostyMug_1:

(Start: 122 @532 has 4 MA's), (Start: 136 @568 has 36 MA's), (143, 577), (Start: 156 @592 has 11 MA's), (Start: 160 @595 has 746 MA's), (208, 718), (227, 808), (233, 844),

Gene: Picconator_26 Start: 17072, Stop: 17371, Start Num: 160

Candidate Starts for Picconator_26:

(Start: 160 @17072 has 746 MA's), (206, 17201), (207, 17204), (220, 17267), (228, 17315), (230, 17324), (239, 17360),

Gene: PickleBack_1 Start: 535, Stop: 834, Start Num: 142

Candidate Starts for PickleBack_1:

(Start: 142 @535 has 40 MA's), (203, 643), (219, 715), (232, 784), (243, 829),

Gene: Picnic_25 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for Picnic_25:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: PinkPlastic_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for PinkPlastic_1:

(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (221, 774), (227, 810), (233, 846),

Gene: Pinto_1 Start: 535, Stop: 894, Start Num: 122

Candidate Starts for Pinto_1:

(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Pioneer_4 Start: 2335, Stop: 2628, Start Num: 157

Candidate Starts for Pioneer_4:

(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: Pippin_2 Start: 749, Stop: 1057, Start Num: 160

Candidate Starts for Pippin_2:

(Start: 160 @749 has 746 MA's), (208, 872), (227, 962), (233, 998),

Gene: Piro94_4 Start: 2628, Stop: 2924, Start Num: 160

Candidate Starts for Piro94_4:

(67, 2427), (Start: 160 @2628 has 746 MA's),

Gene: Pistachio_1 Start: 420, Stop: 716, Start Num: 160

Candidate Starts for Pistachio_1:

(Start: 160 @420 has 746 MA's), (210, 555),

Gene: Pita2_2 Start: 834, Stop: 1130, Start Num: 160

Candidate Starts for Pita2_2:

(Start: 127 @786 has 1 MA's), (Start: 160 @834 has 746 MA's), (208, 957), (227, 1047), (233, 1083),

Gene: Pixelle_68 Start: 43980, Stop: 44282, Start Num: 160

Candidate Starts for Pixelle_68:

(Start: 160 @43980 has 746 MA's), (185, 44046), (205, 44097), (222, 44172), (240, 44271),

Gene: Pmask_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for Pmask_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: PoRanda_25 Start: 17137, Stop: 17436, Start Num: 160

Candidate Starts for PoRanda_25:

(107, 17035), (Start: 160 @17137 has 746 MA's), (206, 17266), (207, 17269), (220, 17332), (228, 17380), (230, 17389), (239, 17425),

Gene: Pocahontas_1 Start: 445, Stop: 741, Start Num: 160

Candidate Starts for Pocahontas_1:

(Start: 160 @445 has 746 MA's), (210, 580),

Gene: Poise_93 Start: 48691, Stop: 49017, Start Num: 160

Candidate Starts for Poise_93:

(139, 48664), (Start: 160 @48691 has 746 MA's), (Start: 175 @48733 has 1 MA's), (190, 48778), (209, 48838), (220, 48898), (231, 48958),

Gene: Pollux_82 Start: 52125, Stop: 52415, Start Num: 172

Candidate Starts for Pollux_82:

(10, 51612), (34, 51762), (35, 51771), (38, 51798), (41, 51816), (47, 51840), (58, 51879), (62, 51891), (64, 51894), (120, 52029), (Start: 172 @52125 has 22 MA's),

Gene: Polyphemus_4 Start: 2145, Stop: 2441, Start Num: 160

Candidate Starts for Polyphemus_4:

(Start: 160 @2145 has 746 MA's), (210, 2280),

Gene: Pomar16_4 Start: 2345, Stop: 2641, Start Num: 160

Candidate Starts for Pomar16_4:

(Start: 160 @2345 has 746 MA's),

Gene: Pondwater_25 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for Pondwater_25:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Pons_74 Start: 47664, Stop: 47978, Start Num: 156

Candidate Starts for Pons_74:

(148, 47652), (Start: 156 @47664 has 11 MA's), (202, 47763), (221, 47850),

Gene: Poompha_1 Start: 472, Stop: 768, Start Num: 142

Candidate Starts for Poompha_1:

(50, 247), (Start: 142 @472 has 40 MA's), (210, 607),

Gene: Posh_79 Start: 51944, Stop: 52234, Start Num: 172
Candidate Starts for Posh_79:
(Start: 136 @51887 has 36 MA's), (Start: 141 @51893 has 3 MA's), (Start: 172 @51944 has 22 MA's),

Gene: PotPie_71 Start: 47864, Stop: 48178, Start Num: 156
Candidate Starts for PotPie_71:
(148, 47852), (Start: 156 @47864 has 11 MA's), (168, 47888), (192, 47957), (226, 48074),

Gene: PotatoSplit_2 Start: 517, Stop: 819, Start Num: 136
Candidate Starts for PotatoSplit_2:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Poushou_54 Start: 39982, Stop: 40287, Start Num: 166
Candidate Starts for Poushou_54:
(Start: 166 @39982 has 3 MA's), (193, 40057), (200, 40078), (218, 40159),

Gene: Power_5 Start: 2567, Stop: 2863, Start Num: 160
Candidate Starts for Power_5:
(Start: 160 @2567 has 746 MA's), (208, 2690),

Gene: PowerRanger_1 Start: 597, Stop: 893, Start Num: 160
Candidate Starts for PowerRanger_1:
(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (221, 774), (227, 810), (233, 846),

Gene: Powerpuff_71 Start: 44281, Stop: 44583, Start Num: 160
Candidate Starts for Powerpuff_71:
(Start: 160 @44281 has 746 MA's), (179, 44332), (185, 44347), (205, 44398), (222, 44473), (240, 44572),

Gene: Priamo_4 Start: 2158, Stop: 2454, Start Num: 160
Candidate Starts for Priamo_4:
(Start: 160 @2158 has 746 MA's), (210, 2293),

Gene: Pringar_88 Start: 48479, Stop: 48805, Start Num: 160
Candidate Starts for Pringar_88:
(153, 48473), (Start: 160 @48479 has 746 MA's), (Start: 175 @48521 has 1 MA's), (190, 48566), (209, 48626), (220, 48686), (231, 48746),

Gene: Priya_4 Start: 2332, Stop: 2625, Start Num: 157
Candidate Starts for Priya_4:
(Start: 132 @2305 has 3 MA's), (Start: 157 @2332 has 33 MA's), (203, 2434), (208, 2452),

Gene: ProMouse_1 Start: 596, Stop: 892, Start Num: 160
Candidate Starts for ProMouse_1:
(Start: 122 @533 has 4 MA's), (Start: 136 @569 has 36 MA's), (143, 578), (Start: 160 @596 has 746 MA's), (208, 719), (233, 845),

Gene: Provolone_4 Start: 978, Stop: 1292, Start Num: 160
Candidate Starts for Provolone_4:
(72, 825), (84, 858), (93, 864), (96, 870), (152, 972), (Start: 160 @978 has 746 MA's), (185, 1047), (210, 1122), (217, 1155),

Gene: Publix_26 Start: 16803, Stop: 17102, Start Num: 160

Candidate Starts for Publix_26:

(107, 16701), (Start: 160 @16803 has 746 MA's), (206, 16932), (207, 16935), (220, 16998), (228, 17046), (230, 17055),

Gene: Puddles3_26 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for Puddles3_26:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: PuffyCat_25 Start: 16593, Stop: 16892, Start Num: 160

Candidate Starts for PuffyCat_25:

(107, 16491), (Start: 160 @16593 has 746 MA's), (206, 16722), (207, 16725), (220, 16788), (228, 16836), (230, 16845),

Gene: Puginator_3 Start: 1036, Stop: 1350, Start Num: 160

Candidate Starts for Puginator_3:

(75, 883), (Start: 113 @964 has 1 MA's), (Start: 151 @1030 has 3 MA's), (Start: 160 @1036 has 746 MA's), (185, 1105), (210, 1180),

Gene: Pukovnik_4 Start: 2088, Stop: 2384, Start Num: 160

Candidate Starts for Pukovnik_4:

(Start: 160 @2088 has 746 MA's), (224, 2283),

Gene: Puppet_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Puppet_1:

(Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Puppy_1 Start: 420, Stop: 716, Start Num: 160

Candidate Starts for Puppy_1:

(Start: 160 @420 has 746 MA's), (210, 555),

Gene: PurpleHaze_1 Start: 522, Stop: 824, Start Num: 136

Candidate Starts for PurpleHaze_1:

(Start: 136 @522 has 36 MA's), (Start: 160 @531 has 746 MA's), (185, 597),

Gene: Pytheas_83 Start: 53170, Stop: 53460, Start Num: 172

Candidate Starts for Pytheas_83:

(Start: 136 @53113 has 36 MA's), (Start: 141 @53119 has 3 MA's), (Start: 172 @53170 has 22 MA's),

Gene: QTRlifeCrisis_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for QTRlifeCrisis_1:

(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Qobbit_4 Start: 2305, Stop: 2625, Start Num: 132

Candidate Starts for Qobbit_4:

(Start: 132 @2305 has 3 MA's), (Start: 157 @2332 has 33 MA's), (203, 2434), (208, 2452),

Gene: Quaker_25 Start: 17077, Stop: 17376, Start Num: 160

Candidate Starts for Quaker_25:

(107, 16975), (Start: 160 @17077 has 746 MA's), (206, 17206), (207, 17209), (220, 17272), (228, 17320), (230, 17329), (239, 17365),

Gene: Quasar_71 Start: 46628, Stop: 46939, Start Num: 138

Candidate Starts for Quasar_71:

(Start: 138 @46628 has 2 MA's), (Start: 154 @46649 has 26 MA's), (192, 46748),

Gene: QueenB2_5 Start: 2671, Stop: 2967, Start Num: 160

Candidate Starts for QueenB2_5:

(Start: 160 @2671 has 746 MA's), (208, 2794),

Gene: QueenBeesly_5 Start: 2568, Stop: 2864, Start Num: 160

Candidate Starts for QueenBeesly_5:

(Start: 160 @2568 has 746 MA's), (208, 2691),

Gene: R4_1 Start: 671, Stop: 985, Start Num: 160

Candidate Starts for R4_1:

(61, 464), (Start: 113 @593 has 1 MA's), (152, 662), (Start: 160 @671 has 746 MA's), (210, 815), (213, 827),

Gene: Rachaly_5 Start: 2538, Stop: 2834, Start Num: 160

Candidate Starts for Rachaly_5:

(Start: 160 @2538 has 746 MA's),

Gene: Raela_94 Start: 49242, Stop: 49568, Start Num: 160

Candidate Starts for Raela_94:

(139, 49215), (Start: 160 @49242 has 746 MA's), (Start: 175 @49284 has 1 MA's), (190, 49329), (209, 49389), (220, 49449), (231, 49509),

Gene: Rahalelujah_4 Start: 2102, Stop: 2395, Start Num: 157

Candidate Starts for Rahalelujah_4:

(Start: 157 @2102 has 33 MA's), (203, 2204), (208, 2222),

Gene: Raid_2 Start: 783, Stop: 1079, Start Num: 160

Candidate Starts for Raid_2:

(Start: 160 @783 has 746 MA's), (208, 906), (227, 996), (233, 1032),

Gene: Rajelicia_2 Start: 750, Stop: 1046, Start Num: 160

Candidate Starts for Rajelicia_2:

(Start: 160 @750 has 746 MA's), (208, 873), (227, 963), (233, 999),

Gene: Rana_2 Start: 726, Stop: 1037, Start Num: 159

Candidate Starts for Rana_2:

(Start: 73 @591 has 2 MA's), (Start: 159 @726 has 54 MA's), (188, 798), (199, 828), (213, 879),

Gene: RanchParmCat_74 Start: 46910, Stop: 47206, Start Num: 154

Candidate Starts for RanchParmCat_74:

(148, 46901), (Start: 154 @46910 has 26 MA's), (Start: 174 @46955 has 3 MA's), (192, 47009), (213, 47045),

Gene: ReMo_4 Start: 2278, Stop: 2574, Start Num: 160

Candidate Starts for ReMo_4:

(Start: 160 @2278 has 746 MA's), (194, 2368),

Gene: Reba_2 Start: 531, Stop: 824, Start Num: 160
Candidate Starts for Reba_2:
(Start: 136 @522 has 36 MA's), (Start: 160 @531 has 746 MA's), (185, 597),

Gene: Rebeuca_2 Start: 549, Stop: 926, Start Num: 103
Candidate Starts for Rebeuca_2:
(Start: 103 @549 has 2 MA's), (Start: 142 @630 has 40 MA's),

Gene: RedBear_3 Start: 726, Stop: 1040, Start Num: 159
Candidate Starts for RedBear_3:
(71, 582), (Start: 159 @726 has 54 MA's), (188, 798), (213, 882),

Gene: RedRaider77_92 Start: 48636, Stop: 48962, Start Num: 160
Candidate Starts for RedRaider77_92:
(139, 48609), (Start: 160 @48636 has 746 MA's), (Start: 175 @48678 has 1 MA's), (190, 48723), (209, 48783), (220, 48843), (231, 48903),

Gene: RedRock_4 Start: 2278, Stop: 2574, Start Num: 160
Candidate Starts for RedRock_4:
(Start: 160 @2278 has 746 MA's), (208, 2401),

Gene: Reedo_68 Start: 41440, Stop: 41742, Start Num: 160
Candidate Starts for Reedo_68:
(Start: 160 @41440 has 746 MA's), (183, 41500), (185, 41506), (205, 41557), (222, 41632), (240, 41731), (241, 41734),

Gene: Refuge_4 Start: 2250, Stop: 2546, Start Num: 160
Candidate Starts for Refuge_4:
(Start: 160 @2250 has 746 MA's),

Gene: Remus_4 Start: 2278, Stop: 2574, Start Num: 160
Candidate Starts for Remus_4:
(Start: 160 @2278 has 746 MA's),

Gene: Renaud18_112 Start: 57550, Stop: 57837, Start Num: 172
Candidate Starts for Renaud18_112:
(18, 57079), (52, 57280), (65, 57319), (87, 57385), (89, 57388), (Start: 141 @57499 has 3 MA's),
(Start: 172 @57550 has 22 MA's),

Gene: ResDef_1 Start: 445, Stop: 741, Start Num: 160
Candidate Starts for ResDef_1:
(Start: 160 @445 has 746 MA's), (210, 580),

Gene: Retro23_5 Start: 2671, Stop: 2967, Start Num: 160
Candidate Starts for Retro23_5:
(Start: 160 @2671 has 746 MA's), (208, 2794),

Gene: Rhogar_25 Start: 17075, Stop: 17374, Start Num: 160
Candidate Starts for Rhogar_25:
(107, 16973), (Start: 160 @17075 has 746 MA's), (206, 17204), (207, 17207), (220, 17270), (228, 17318), (230, 17327), (239, 17363),

Gene: RhynO_1 Start: 474, Stop: 770, Start Num: 142

Candidate Starts for RhynO_1:

(Start: 142 @474 has 40 MA's), (210, 609),

Gene: Rhynn_1 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for Rhynn_1:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Rhysand_25 Start: 17080, Stop: 17379, Start Num: 160

Candidate Starts for Rhysand_25:

(107, 16978), (Start: 160 @17080 has 746 MA's), (206, 17209), (207, 17212), (220, 17275), (228, 17323), (230, 17332), (239, 17368),

Gene: RidgeCB_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for RidgeCB_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Rifter_4 Start: 2132, Stop: 2428, Start Num: 160

Candidate Starts for Rifter_4:

(Start: 160 @2132 has 746 MA's), (210, 2267),

Gene: Ringer_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for Ringer_1:

(Start: 136 @570 has 36 MA's), (143, 579), (Start: 156 @594 has 11 MA's), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Rira_25 Start: 16598, Stop: 16897, Start Num: 160

Candidate Starts for Rira_25:

(107, 16496), (Start: 160 @16598 has 746 MA's), (206, 16727), (207, 16730), (220, 16793), (228, 16841), (230, 16850),

Gene: Roary_1 Start: 505, Stop: 798, Start Num: 162

Candidate Starts for Roary_1:

(Start: 162 @505 has 8 MA's), (194, 592), (219, 679), (233, 757), (243, 793),

Gene: Rohr_2 Start: 832, Stop: 1128, Start Num: 160

Candidate Starts for Rohr_2:

(Start: 127 @784 has 1 MA's), (Start: 160 @832 has 746 MA's), (208, 955), (227, 1045), (233, 1081),

Gene: Roimos_1 Start: 416, Stop: 712, Start Num: 141

Candidate Starts for Roimos_1:

(Start: 78 @293 has 2 MA's), (135, 410), (Start: 141 @416 has 3 MA's), (210, 551),

Gene: Roksolana_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for Roksolana_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: RonRayGun_59 Start: 41099, Stop: 41398, Start Num: 90

Candidate Starts for RonRayGun_59:

(Start: 90 @41099 has 6 MA's), (213, 41222),

Gene: Rosalind_4 Start: 2425, Stop: 2721, Start Num: 160

Candidate Starts for Rosalind_4:

(Start: 160 @2425 has 746 MA's), (194, 2515),

Gene: RoscoWindex_25 Start: 17080, Stop: 17379, Start Num: 160

Candidate Starts for RoscoWindex_25:

(107, 16978), (Start: 160 @17080 has 746 MA's), (206, 17209), (207, 17212), (220, 17275), (228, 17323), (230, 17332), (239, 17368),

Gene: Rubeus_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for Rubeus_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Rufus_2 Start: 747, Stop: 1043, Start Num: 160

Candidate Starts for Rufus_2:

(Start: 160 @747 has 746 MA's), (208, 870), (227, 960), (233, 996),

Gene: Rummer_1 Start: 518, Stop: 820, Start Num: 136

Candidate Starts for Rummer_1:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Ruotula_2 Start: 1335, Stop: 1625, Start Num: 170

Candidate Starts for Ruotula_2:

(20, 900), (40, 1008), (42, 1017), (86, 1173), (91, 1182), (94, 1185), (Start: 170 @1335 has 3 MA's), (178, 1362), (227, 1542), (233, 1578),

Gene: Rusticus_2 Start: 746, Stop: 1060, Start Num: 159

Candidate Starts for Rusticus_2:

(109, 668), (Start: 159 @746 has 54 MA's), (213, 902),

Gene: Rutherferd_1 Start: 597, Stop: 893, Start Num: 160

Candidate Starts for Rutherferd_1:

(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: RyeScarlet_5 Start: 2335, Stop: 2628, Start Num: 157

Candidate Starts for RyeScarlet_5:

(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: SPB78_77 Start: 49993, Stop: 50292, Start Num: 157

Candidate Starts for SPB78_77:

(Start: 157 @49993 has 33 MA's), (179, 50050), (204, 50110),

Gene: STLscum_2 Start: 861, Stop: 1166, Start Num: 160

Candidate Starts for STLscum_2:

(Start: 127 @813 has 1 MA's), (Start: 160 @861 has 746 MA's), (208, 984), (227, 1074), (233, 1110),

Gene: Sabia_1 Start: 518, Stop: 820, Start Num: 136

Candidate Starts for Sabia_1:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Sabinator_1 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for Sabinator_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Sachet_26 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for Sachet_26:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Saftant_2 Start: 978, Stop: 1292, Start Num: 160

Candidate Starts for Saftant_2:

(76, 831), (92, 855), (97, 864), (152, 969), (Start: 156 @972 has 11 MA's), (Start: 160 @978 has 746 MA's), (210, 1122),

Gene: Sage7_25 Start: 17079, Stop: 17378, Start Num: 160

Candidate Starts for Sage7_25:

(107, 16977), (Start: 160 @17079 has 746 MA's), (206, 17208), (207, 17211), (220, 17274), (228, 17322), (230, 17331), (239, 17367),

Gene: Sagefire_2 Start: 699, Stop: 995, Start Num: 160

Candidate Starts for Sagefire_2:

(Start: 160 @699 has 746 MA's), (208, 822), (227, 912), (233, 948),

Gene: Saintus_1 Start: 505, Stop: 798, Start Num: 162

Candidate Starts for Saintus_1:

(Start: 162 @505 has 8 MA's), (194, 592), (219, 679), (233, 757), (243, 793),

Gene: Salz_4 Start: 2356, Stop: 2652, Start Num: 160

Candidate Starts for Salz_4:

(Start: 160 @2356 has 746 MA's), (Start: 174 @2389 has 3 MA's), (194, 2446), (243, 2647),

Gene: Samy_101 Start: 60454, Stop: 60759, Start Num: 160

Candidate Starts for Samy_101:

(Start: 160 @60454 has 746 MA's), (198, 60550), (205, 60571), (210, 60595), (217, 60628), (234, 60712), (237, 60718),

Gene: SantasSleigh_25 Start: 17103, Stop: 17402, Start Num: 160

Candidate Starts for SantasSleigh_25:

(107, 17001), (Start: 160 @17103 has 746 MA's), (206, 17232), (207, 17235), (220, 17298), (228, 17346), (230, 17355), (239, 17391),

Gene: Sanya_1 Start: 1334, Stop: 1624, Start Num: 170

Candidate Starts for Sanya_1:

(20, 899), (42, 1016), (86, 1172), (91, 1181), (94, 1184), (Start: 170 @1334 has 3 MA's), (178, 1361), (227, 1541), (233, 1577),

Gene: SarFire_2 Start: 757, Stop: 1053, Start Num: 160

Candidate Starts for SarFire_2:

(Start: 160 @757 has 746 MA's), (208, 880), (227, 970), (233, 1006),

Gene: Sara_25 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for Sara_25:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: SarahRose_2 Start: 729, Stop: 1040, Start Num: 159

Candidate Starts for SarahRose_2:

(Start: 73 @588 has 2 MA's), (85, 627), (Start: 159 @729 has 54 MA's), (188, 801), (213, 882),

Gene: Scamander_25 Start: 17079, Stop: 17378, Start Num: 160

Candidate Starts for Scamander_25:

(107, 16977), (Start: 160 @17079 has 746 MA's), (206, 17208), (207, 17211), (220, 17274), (228, 17322), (230, 17331), (239, 17367),

Gene: Scherzo_4 Start: 2335, Stop: 2628, Start Num: 157

Candidate Starts for Scherzo_4:

(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: Scorpia_1 Start: 502, Stop: 801, Start Num: 142

Candidate Starts for Scorpia_1:

(Start: 142 @502 has 40 MA's), (Start: 167 @517 has 1 MA's), (203, 610), (232, 751), (243, 796),

Gene: Scout_1 Start: 416, Stop: 712, Start Num: 141

Candidate Starts for Scout_1:

(Start: 78 @293 has 2 MA's), (135, 410), (Start: 141 @416 has 3 MA's), (210, 551),

Gene: Scowl_2 Start: 986, Stop: 1294, Start Num: 160

Candidate Starts for Scowl_2:

(Start: 160 @986 has 746 MA's), (208, 1109), (227, 1199), (233, 1235),

Gene: Scrunchy_25 Start: 17072, Stop: 17371, Start Num: 160

Candidate Starts for Scrunchy_25:

(Start: 160 @17072 has 746 MA's), (206, 17201), (207, 17204), (220, 17267), (228, 17315), (230, 17324), (239, 17360),

Gene: SeaWolves_25 Start: 16989, Stop: 17288, Start Num: 160

Candidate Starts for SeaWolves_25:

(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: Seabiscuit_2 Start: 749, Stop: 1045, Start Num: 160

Candidate Starts for Seabiscuit_2:

(Start: 160 @749 has 746 MA's), (208, 872), (221, 926), (227, 962), (233, 998),

Gene: Seanderson_1 Start: 600, Stop: 896, Start Num: 160

Candidate Starts for Seanderson_1:

(Start: 122 @537 has 4 MA's), (Start: 136 @573 has 36 MA's), (143, 582), (Start: 160 @600 has 746 MA's), (208, 723), (227, 813), (233, 849),

Gene: SemperFi_5 Start: 2562, Stop: 2858, Start Num: 160

Candidate Starts for SemperFi_5:

(Start: 160 @2562 has 746 MA's), (208, 2685),

Gene: Serenity_4 Start: 2328, Stop: 2624, Start Num: 160

Candidate Starts for Serenity_4:

(Start: 160 @2328 has 746 MA's),

Gene: Severus_1 Start: 472, Stop: 768, Start Num: 142

Candidate Starts for Severus_1:

(50, 247), (Start: 142 @472 has 40 MA's), (210, 607),

Gene: ShakeltOph_70 Start: 43243, Stop: 43605, Start Num: 154
Candidate Starts for ShakeltOph_70:
(85, 43126), (Start: 154 @43243 has 26 MA's), (183, 43312), (185, 43318), (235, 43513), (245, 43555),

Gene: Sham4_4 Start: 2359, Stop: 2655, Start Num: 160
Candidate Starts for Sham4_4:
(Start: 160 @2359 has 746 MA's), (Start: 174 @2392 has 3 MA's), (194, 2449), (243, 2650),

Gene: ShayRa_5 Start: 2425, Stop: 2721, Start Num: 160
Candidate Starts for ShayRa_5:
(Start: 160 @2425 has 746 MA's), (194, 2515),

Gene: SheaKeira_4 Start: 2123, Stop: 2416, Start Num: 157
Candidate Starts for SheaKeira_4:
(Start: 157 @2123 has 33 MA's), (194, 2210), (203, 2225), (208, 2243),

Gene: Sheen_1 Start: 397, Stop: 693, Start Num: 149
Candidate Starts for Sheen_1:
(Start: 102 @301 has 2 MA's), (Start: 149 @397 has 1 MA's), (232, 643),

Gene: ShortQueendom_1 Start: 599, Stop: 895, Start Num: 160
Candidate Starts for ShortQueendom_1:
(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Sibs6_2 Start: 748, Stop: 1044, Start Num: 160
Candidate Starts for Sibs6_2:
(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Sippinontea_25 Start: 17100, Stop: 17399, Start Num: 160
Candidate Starts for Sippinontea_25:
(107, 16998), (Start: 160 @17100 has 746 MA's), (206, 17229), (207, 17232), (220, 17295), (228, 17343), (230, 17352), (239, 17388),

Gene: Skelbel_70 Start: 43234, Stop: 43536, Start Num: 160
Candidate Starts for Skelbel_70:
(Start: 160 @43234 has 746 MA's), (179, 43285), (185, 43300), (205, 43351), (222, 43426), (240, 43525),

Gene: SkiPole_2 Start: 861, Stop: 1166, Start Num: 160
Candidate Starts for SkiPole_2:
(Start: 127 @813 has 1 MA's), (Start: 160 @861 has 746 MA's), (208, 984), (227, 1074), (233, 1110),

Gene: Sknot_5 Start: 2624, Stop: 2920, Start Num: 160
Candidate Starts for Sknot_5:
(67, 2423), (Start: 160 @2624 has 746 MA's),

Gene: Slagathor_2 Start: 750, Stop: 1046, Start Num: 160
Candidate Starts for Slagathor_2:
(Start: 160 @750 has 746 MA's), (208, 873), (227, 963), (233, 999),

Gene: Slentz_25 Start: 17072, Stop: 17371, Start Num: 160

Candidate Starts for Slentz_25:

(Start: 160 @17072 has 746 MA's), (206, 17201), (207, 17204), (220, 17267), (228, 17315), (230, 17324), (239, 17360),

Gene: Slizam_25 Start: 16598, Stop: 16897, Start Num: 160

Candidate Starts for Slizam_25:

(107, 16496), (Start: 160 @16598 has 746 MA's), (206, 16727), (207, 16730), (220, 16793), (228, 16841), (230, 16850),

Gene: Smairt_1 Start: 595, Stop: 891, Start Num: 160

Candidate Starts for Smairt_1:

(Start: 122 @532 has 4 MA's), (Start: 136 @568 has 36 MA's), (143, 577), (Start: 156 @592 has 11 MA's), (Start: 160 @595 has 746 MA's), (208, 718), (227, 808), (233, 844),

Gene: Smeadley_1 Start: 505, Stop: 798, Start Num: 162

Candidate Starts for Smeadley_1:

(Start: 162 @505 has 8 MA's), (194, 592), (219, 679), (233, 757), (243, 793),

Gene: Smeagan_5 Start: 2550, Stop: 2846, Start Num: 160

Candidate Starts for Smeagan_5:

(Start: 160 @2550 has 746 MA's), (208, 2673),

Gene: Smeagol_1 Start: 596, Stop: 892, Start Num: 160

Candidate Starts for Smeagol_1:

(137, 569), (144, 578), (Start: 160 @596 has 746 MA's), (208, 719), (227, 809), (233, 845),

Gene: SmellyB_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for SmellyB_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Smoothie_14 Start: 3268, Stop: 3576, Start Num: 165

Candidate Starts for Smoothie_14:

(135, 3238), (Start: 165 @3268 has 25 MA's), (222, 3460), (233, 3532),

Gene: SnapTap_5 Start: 2567, Stop: 2863, Start Num: 160

Candidate Starts for SnapTap_5:

(Start: 160 @2567 has 746 MA's), (208, 2690),

Gene: Snape_4 Start: 2362, Stop: 2658, Start Num: 160

Candidate Starts for Snape_4:

(Start: 160 @2362 has 746 MA's), (Start: 174 @2395 has 3 MA's), (194, 2452), (243, 2653),

Gene: Snazzy_1 Start: 595, Stop: 891, Start Num: 160

Candidate Starts for Snazzy_1:

(Start: 122 @532 has 4 MA's), (Start: 136 @568 has 36 MA's), (143, 577), (Start: 160 @595 has 746 MA's), (208, 718), (227, 808), (233, 844),

Gene: Snek_68 Start: 40495, Stop: 40800, Start Num: 160

Candidate Starts for Snek_68:

(Start: 160 @40495 has 746 MA's), (183, 40555), (185, 40561), (205, 40612), (240, 40786),

Gene: Snickers_1 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for Snickers_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Snorlax_2 Start: 729, Stop: 1040, Start Num: 159

Candidate Starts for Snorlax_2:

(Start: 73 @588 has 2 MA's), (85, 627), (Start: 159 @729 has 54 MA's), (188, 801), (213, 882),

Gene: Snuffles_27 Start: 16951, Stop: 17250, Start Num: 160

Candidate Starts for Snuffles_27:

(107, 16849), (Start: 160 @16951 has 746 MA's), (206, 17080), (207, 17083), (220, 17146), (228, 17194), (230, 17203),

Gene: SoilDragon_1 Start: 517, Stop: 819, Start Num: 136

Candidate Starts for SoilDragon_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Solon_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Solon_1:

(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Soondubu_62 Start: 44779, Stop: 45078, Start Num: 160

Candidate Starts for Soondubu_62:

(83, 44641), (Start: 160 @44779 has 746 MA's), (185, 44845), (205, 44896), (240, 45070),

Gene: SororFago_4 Start: 2399, Stop: 2695, Start Num: 160

Candidate Starts for SororFago_4:

(Start: 160 @2399 has 746 MA's), (205, 2510),

Gene: Sorpresa_1 Start: 599, Stop: 895, Start Num: 160

Candidate Starts for Sorpresa_1:

(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 160 @599 has 746 MA's), (Start: 174 @632 has 3 MA's), (208, 722), (227, 812), (233, 848),

Gene: Soshari_3 Start: 518, Stop: 820, Start Num: 136

Candidate Starts for Soshari_3:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Soups_4 Start: 2425, Stop: 2721, Start Num: 160

Candidate Starts for Soups_4:

(Start: 160 @2425 has 746 MA's),

Gene: South40_2 Start: 726, Stop: 1040, Start Num: 159

Candidate Starts for South40_2:

(71, 582), (Start: 159 @726 has 54 MA's), (188, 798), (213, 882),

Gene: Sparky_95 Start: 62955, Stop: 63257, Start Num: 169

Candidate Starts for Sparky_95:

(69, 62730), (108, 62826), (114, 62841), (121, 62859), (134, 62895), (Start: 136 @62901 has 36 MA's), (Start: 169 @62955 has 2 MA's), (181, 62988), (242, 63246),

Gene: SpeedDemon_90 Start: 4494, Stop: 4802, Start Num: 165

Candidate Starts for SpeedDemon_90:

(Start: 165 @4494 has 25 MA's), (189, 4566), (212, 4632),

Gene: Speedwell_3 Start: 947, Stop: 1261, Start Num: 160

Candidate Starts for Speedwell_3:

(53, 725), (66, 764), (152, 938), (Start: 156 @941 has 11 MA's), (Start: 160 @947 has 746 MA's), (210, 1091),

Gene: Spike509_1 Start: 527, Stop: 820, Start Num: 160

Candidate Starts for Spike509_1:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: SpikeBT_1 Start: 596, Stop: 892, Start Num: 160

Candidate Starts for SpikeBT_1:

(Start: 122 @533 has 4 MA's), (Start: 136 @569 has 36 MA's), (143, 578), (Start: 160 @596 has 746 MA's), (208, 719), (227, 809), (233, 845),

Gene: Spouty_4 Start: 2332, Stop: 2625, Start Num: 157

Candidate Starts for Spouty_4:

(Start: 132 @2305 has 3 MA's), (Start: 157 @2332 has 33 MA's), (203, 2434), (208, 2452),

Gene: SqueakyClean_3 Start: 1027, Stop: 1341, Start Num: 160

Candidate Starts for SqueakyClean_3:

(Start: 160 @1027 has 746 MA's), (185, 1096), (210, 1171),

Gene: Squee_1 Start: 606, Stop: 902, Start Num: 160

Candidate Starts for Squee_1:

(Start: 122 @543 has 4 MA's), (Start: 136 @579 has 36 MA's), (143, 588), (Start: 160 @606 has 746 MA's), (208, 729), (227, 819), (233, 855),

Gene: Stagni_1 Start: 527, Stop: 820, Start Num: 160

Candidate Starts for Stagni_1:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: StarStuff_4 Start: 2345, Stop: 2641, Start Num: 160

Candidate Starts for StarStuff_4:

(Start: 160 @2345 has 746 MA's),

Gene: Steamy_4 Start: 2222, Stop: 2518, Start Num: 160

Candidate Starts for Steamy_4:

(Start: 160 @2222 has 746 MA's), (185, 2288),

Gene: Stem_25 Start: 16608, Stop: 16907, Start Num: 160

Candidate Starts for Stem_25:

(107, 16506), (Start: 160 @16608 has 746 MA's), (206, 16737), (207, 16740), (220, 16803), (228, 16851), (230, 16860),

Gene: StepMih_1 Start: 527, Stop: 820, Start Num: 160

Candidate Starts for StepMih_1:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Stephig9_1 Start: 506, Stop: 799, Start Num: 162

Candidate Starts for Stephig9_1:

(Start: 162 @506 has 8 MA's), (194, 593), (219, 680), (233, 758), (243, 794),

Gene: StewieG_1 Start: 597, Stop: 893, Start Num: 160
Candidate Starts for StewieG_1:
(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: Stink_1 Start: 356, Stop: 763, Start Num: 102
Candidate Starts for Stink_1:
(Start: 102 @356 has 2 MA's), (185, 536), (233, 722),

Gene: StrongArm_1 Start: 599, Stop: 895, Start Num: 160
Candidate Starts for StrongArm_1:
(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 156 @596 has 11 MA's), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Strosahl_4 Start: 2278, Stop: 2574, Start Num: 160
Candidate Starts for Strosahl_4:
(Start: 160 @2278 has 746 MA's),

Gene: SuMoo_83 Start: 48762, Stop: 49061, Start Num: 160
Candidate Starts for SuMoo_83:
(27, 48399), (33, 48429), (45, 48498), (Start: 160 @48762 has 746 MA's), (185, 48828), (205, 48879), (222, 48954),

Gene: Subaru_69 Start: 43103, Stop: 43405, Start Num: 160
Candidate Starts for Subaru_69:
(Start: 160 @43103 has 746 MA's), (179, 43154), (185, 43169), (205, 43220), (222, 43295), (240, 43394),

Gene: Sudan_2 Start: 972, Stop: 1286, Start Num: 160
Candidate Starts for Sudan_2:
(152, 966), (Start: 160 @972 has 746 MA's), (185, 1041), (210, 1116), (217, 1149),

Gene: Sue2_68 Start: 41870, Stop: 42175, Start Num: 160
Candidate Starts for Sue2_68:
(130, 41837), (Start: 160 @41870 has 746 MA's), (185, 41936), (205, 41987), (240, 42161),

Gene: Sujidade_2 Start: 723, Stop: 1034, Start Num: 159
Candidate Starts for Sujidade_2:
(Start: 73 @588 has 2 MA's), (Start: 159 @723 has 54 MA's), (188, 795), (208, 852),

Gene: SummitAcademy_71 Start: 47007, Stop: 47324, Start Num: 156
Candidate Starts for SummitAcademy_71:
(148, 46995), (Start: 156 @47007 has 11 MA's), (168, 47031), (192, 47100), (226, 47217),

Gene: Sumter_1 Start: 599, Stop: 895, Start Num: 160
Candidate Starts for Sumter_1:
(Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: SunkenRoot_4 Start: 1022, Stop: 1267, Start Num: 185
Candidate Starts for SunkenRoot_4:
(105, 854), (152, 947), (Start: 160 @953 has 746 MA's), (185, 1022), (210, 1097), (217, 1130),

Gene: SunsetPointe_2 Start: 739, Stop: 1053, Start Num: 159

Candidate Starts for SunsetPointe_2:
(Start: 159 @739 has 54 MA's), (213, 895),

Gene: Sunshine924_1 Start: 595, Stop: 891, Start Num: 160
Candidate Starts for Sunshine924_1:
(Start: 122 @532 has 4 MA's), (Start: 136 @568 has 36 MA's), (143, 577), (Start: 160 @595 has 746 MA's), (208, 718), (227, 808), (233, 844),

Gene: SuperAwesome_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for SuperAwesome_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: SuperCallie99_4 Start: 2144, Stop: 2440, Start Num: 160
Candidate Starts for SuperCallie99_4:
(Start: 160 @2144 has 746 MA's), (210, 2279),

Gene: Superchunk_4 Start: 2154, Stop: 2450, Start Num: 160
Candidate Starts for Superchunk_4:
(Start: 160 @2154 has 746 MA's), (224, 2349),

Gene: Survivors_69 Start: 45115, Stop: 45432, Start Num: 154
Candidate Starts for Survivors_69:
(Start: 154 @45115 has 26 MA's), (213, 45253), (226, 45322),

Gene: SweatNTears_71 Start: 45622, Stop: 45897, Start Num: 154
Candidate Starts for SweatNTears_71:
(Start: 151 @45619 has 3 MA's), (Start: 154 @45622 has 26 MA's), (173, 45664), (Start: 176 @45676 has 1 MA's), (179, 45688), (216, 45766), (218, 45769),

Gene: SweetiePie_5 Start: 2568, Stop: 2864, Start Num: 160
Candidate Starts for SweetiePie_5:
(Start: 160 @2568 has 746 MA's), (208, 2691),

Gene: SwirlSquare_4 Start: 2153, Stop: 2449, Start Num: 160
Candidate Starts for SwirlSquare_4:
(Start: 160 @2153 has 746 MA's),

Gene: SwissCheese_1 Start: 596, Stop: 892, Start Num: 160
Candidate Starts for SwissCheese_1:
(Start: 122 @533 has 4 MA's), (Start: 136 @569 has 36 MA's), (143, 578), (Start: 160 @596 has 746 MA's), (208, 719), (221, 773), (227, 809), (233, 845),

Gene: Switzer_2 Start: 747, Stop: 1043, Start Num: 160
Candidate Starts for Switzer_2:
(Start: 160 @747 has 746 MA's), (208, 870), (227, 960), (233, 996),

Gene: Switzerland_4 Start: 2425, Stop: 2721, Start Num: 160
Candidate Starts for Switzerland_4:
(Start: 160 @2425 has 746 MA's), (194, 2515),

Gene: Swole_2 Start: 834, Stop: 1130, Start Num: 160
Candidate Starts for Swole_2:
(Start: 127 @786 has 1 MA's), (Start: 160 @834 has 746 MA's), (208, 957), (227, 1047), (233, 1083),

Gene: TChen_101 Start: 57213, Stop: 57500, Start Num: 172
Candidate Starts for TChen_101:
(18, 56742), (52, 56943), (65, 56982), (87, 57048), (89, 57051), (Start: 141 @57162 has 3 MA's),
(Start: 172 @57213 has 22 MA's),

Gene: TNguyen7_1 Start: 418, Stop: 714, Start Num: 160
Candidate Starts for TNguyen7_1:
(Start: 160 @418 has 746 MA's), (210, 553),

Gene: TagePhighter_3 Start: 730, Stop: 1041, Start Num: 159
Candidate Starts for TagePhighter_3:
(Start: 73 @589 has 2 MA's), (85, 628), (Start: 159 @730 has 54 MA's), (188, 802), (213, 883),

Gene: Tailonex_1 Start: 347, Stop: 655, Start Num: 133
Candidate Starts for Tailonex_1:
(Start: 133 @347 has 1 MA's), (Start: 174 @392 has 3 MA's),

Gene: Tallboi_69 Start: 43220, Stop: 43522, Start Num: 160
Candidate Starts for Tallboi_69:
(Start: 160 @43220 has 746 MA's), (219, 43403), (240, 43511),

Gene: Target_2 Start: 851, Stop: 1147, Start Num: 160
Candidate Starts for Target_2:
(Start: 127 @803 has 1 MA's), (Start: 160 @851 has 746 MA's), (208, 974), (227, 1064), (233, 1100),

Gene: TarsusIV_5 Start: 2568, Stop: 2864, Start Num: 160
Candidate Starts for TarsusIV_5:
(Start: 160 @2568 has 746 MA's),

Gene: Tasp14_2 Start: 770, Stop: 1066, Start Num: 160
Candidate Starts for Tasp14_2:
(147, 755), (Start: 160 @770 has 746 MA's), (208, 893), (227, 983), (233, 1019),

Gene: Taurus_1 Start: 517, Stop: 819, Start Num: 136
Candidate Starts for Taurus_1:
(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Tbone_69 Start: 43742, Stop: 44044, Start Num: 160
Candidate Starts for Tbone_69:
(Start: 160 @43742 has 746 MA's), (179, 43793), (185, 43808), (205, 43859), (222, 43934), (240, 44033),

Gene: TeddyBoy_25 Start: 17076, Stop: 17375, Start Num: 160
Candidate Starts for TeddyBoy_25:
(107, 16974), (Start: 160 @17076 has 746 MA's), (206, 17205), (207, 17208), (220, 17271), (228, 17319), (230, 17328), (239, 17364),

Gene: Tefunt_2 Start: 643, Stop: 966, Start Num: 151
Candidate Starts for Tefunt_2:
(Start: 151 @643 has 3 MA's), (Start: 160 @652 has 746 MA's), (210, 796), (217, 829),

Gene: Temprado_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for Temprado_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Teodoridan_1 Start: 600, Stop: 896, Start Num: 160
Candidate Starts for Teodoridan_1:
(Start: 122 @537 has 4 MA's), (Start: 136 @573 has 36 MA's), (143, 582), (Start: 160 @600 has 746 MA's), (208, 723), (227, 813), (233, 849),

Gene: Terrific_6 Start: 2620, Stop: 2916, Start Num: 160
Candidate Starts for Terrific_6:
(67, 2419), (Start: 160 @2620 has 746 MA's),

Gene: Tesla_88 Start: 48485, Stop: 48811, Start Num: 160
Candidate Starts for Tesla_88:
(139, 48458), (Start: 160 @48485 has 746 MA's), (Start: 175 @48527 has 1 MA's), (190, 48572), (209, 48632), (220, 48692), (231, 48752),

Gene: TforTroy_69 Start: 43283, Stop: 43591, Start Num: 160
Candidate Starts for TforTroy_69:
(55, 43070), (Start: 160 @43283 has 746 MA's), (219, 43466), (222, 43475), (240, 43574),

Gene: TheloniousMonk_2 Start: 748, Stop: 1044, Start Num: 160
Candidate Starts for TheloniousMonk_2:
(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: Thestral_2 Start: 639, Stop: 953, Start Num: 160
Candidate Starts for Thestral_2:
(Start: 160 @639 has 746 MA's), (210, 783),

Gene: Thor_2 Start: 757, Stop: 1053, Start Num: 160
Candidate Starts for Thor_2:
(Start: 160 @757 has 746 MA's), (208, 880), (227, 970), (233, 1006),

Gene: ThursdayNight_73 Start: 45478, Stop: 45777, Start Num: 160
Candidate Starts for ThursdayNight_73:
(Start: 160 @45478 has 746 MA's), (185, 45544), (222, 45670), (240, 45769),

Gene: Tian_67 Start: 43915, Stop: 44217, Start Num: 160
Candidate Starts for Tian_67:
(Start: 160 @43915 has 746 MA's), (185, 43981), (205, 44032), (219, 44098), (240, 44206),

Gene: Tiffany_1 Start: 527, Stop: 820, Start Num: 160
Candidate Starts for Tiffany_1:
(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Tiger_1 Start: 534, Stop: 833, Start Num: 142
Candidate Starts for Tiger_1:
(64, 372), (Start: 142 @534 has 40 MA's), (203, 642), (219, 714), (232, 783), (243, 828),

Gene: TimoTea_25 Start: 17054, Stop: 17353, Start Num: 160
Candidate Starts for TimoTea_25:
(107, 16952), (Start: 160 @17054 has 746 MA's), (206, 17183), (207, 17186), (220, 17249), (228, 17297), (230, 17306), (239, 17342),

Gene: Timothy_4 Start: 2356, Stop: 2652, Start Num: 160

Candidate Starts for Timothy_4:

(Start: 160 @2356 has 746 MA's), (Start: 174 @2389 has 3 MA's), (194, 2446), (243, 2647),

Gene: Timshel_1 Start: 408, Stop: 704, Start Num: 160

Candidate Starts for Timshel_1:

(100, 297), (Start: 160 @408 has 746 MA's), (232, 654), (238, 672),

Gene: TinaBelcher_2 Start: 639, Stop: 953, Start Num: 160

Candidate Starts for TinaBelcher_2:

(Start: 160 @639 has 746 MA's), (210, 783),

Gene: TinyPebbles_1 Start: 518, Stop: 820, Start Num: 136

Candidate Starts for TinyPebbles_1:

(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: TinyTimmy_4 Start: 2356, Stop: 2652, Start Num: 160

Candidate Starts for TinyTimmy_4:

(Start: 160 @2356 has 746 MA's), (Start: 174 @2389 has 3 MA's), (194, 2446), (243, 2647),

Gene: TinyTruffula_25 Start: 16677, Stop: 16976, Start Num: 160

Candidate Starts for TinyTruffula_25:

(107, 16575), (Start: 160 @16677 has 746 MA's), (206, 16806), (207, 16809), (220, 16872), (228, 16920), (230, 16929),

Gene: TopsytheTRex_4 Start: 2326, Stop: 2622, Start Num: 160

Candidate Starts for TopsytheTRex_4:

(Start: 160 @2326 has 746 MA's),

Gene: Toaka_4 Start: 2356, Stop: 2682, Start Num: 132

Candidate Starts for Toaka_4:

(Start: 132 @2356 has 3 MA's), (Start: 160 @2389 has 746 MA's), (203, 2491), (208, 2509),

Gene: Todacoro_1 Start: 445, Stop: 741, Start Num: 160

Candidate Starts for Todacoro_1:

(Start: 160 @445 has 746 MA's), (210, 580),

Gene: TomBrady12_26 Start: 16780, Stop: 17079, Start Num: 160

Candidate Starts for TomBrady12_26:

(107, 16678), (Start: 160 @16780 has 746 MA's), (206, 16909), (207, 16912), (220, 16975), (228, 17023), (230, 17032),

Gene: Toma_2 Start: 723, Stop: 1034, Start Num: 159

Candidate Starts for Toma_2:

(Start: 73 @588 has 2 MA's), (Start: 159 @723 has 54 MA's), (188, 795), (199, 825), (208, 852), (222, 915),

Gene: Tomathan_4 Start: 2345, Stop: 2641, Start Num: 160

Candidate Starts for Tomathan_4:

(Start: 160 @2345 has 746 MA's),

Gene: Toniann_14 Start: 3268, Stop: 3576, Start Num: 165

Candidate Starts for Toniann_14:
(135, 3238), (Start: 165 @3268 has 25 MA's), (222, 3460), (233, 3532),

Gene: Topanga_1 Start: 517, Stop: 813, Start Num: 142
Candidate Starts for Topanga_1:
(Start: 142 @517 has 40 MA's),

Gene: Topgun_1 Start: 598, Stop: 894, Start Num: 160
Candidate Starts for Topgun_1:
(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Toro_1 Start: 396, Stop: 692, Start Num: 149
Candidate Starts for Toro_1:
(Start: 102 @300 has 2 MA's), (Start: 149 @396 has 1 MA's), (232, 642),

Gene: Tote_2 Start: 834, Stop: 1130, Start Num: 160
Candidate Starts for Tote_2:
(Start: 127 @786 has 1 MA's), (Start: 160 @834 has 746 MA's), (208, 957), (227, 1047), (233, 1083),

Gene: TouchMeNot_54 Start: 40155, Stop: 40460, Start Num: 166
Candidate Starts for TouchMeNot_54:
(Start: 166 @40155 has 3 MA's), (193, 40230), (200, 40251), (218, 40332),

Gene: Towmatter_9 Start: 2870, Stop: 3172, Start Num: 165
Candidate Starts for Towmatter_9:
(Start: 165 @2870 has 25 MA's), (184, 2927), (185, 2930), (188, 2933), (218, 3038),

Gene: Trackstar_25 Start: 16660, Stop: 16959, Start Num: 160
Candidate Starts for Trackstar_25:
(107, 16558), (Start: 160 @16660 has 746 MA's), (206, 16789), (207, 16792), (220, 16855), (228, 16903), (230, 16912),

Gene: Traft412_3 Start: 1245, Stop: 1541, Start Num: 160
Candidate Starts for Traft412_3:
(Start: 160 @1245 has 746 MA's), (208, 1368), (227, 1458), (233, 1494),

Gene: Travvers_4 Start: 2345, Stop: 2641, Start Num: 160
Candidate Starts for Travvers_4:
(Start: 160 @2345 has 746 MA's),

Gene: Treddle_2 Start: 750, Stop: 1046, Start Num: 160
Candidate Starts for Treddle_2:
(Start: 160 @750 has 746 MA's), (208, 873), (227, 963), (233, 999),

Gene: Tripl3t_1 Start: 598, Stop: 894, Start Num: 160
Candidate Starts for Tripl3t_1:
(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Trireme_25 Start: 16657, Stop: 16956, Start Num: 160
Candidate Starts for Trireme_25:

(107, 16555), (Start: 160 @16657 has 746 MA's), (206, 16786), (207, 16789), (220, 16852), (228, 16900), (230, 16909),

Gene: Tristan_4 Start: 2116, Stop: 2412, Start Num: 160
Candidate Starts for Tristan_4:
(Start: 160 @2116 has 746 MA's), (198, 2215), (224, 2311),

Gene: Triste_2 Start: 730, Stop: 1041, Start Num: 159
Candidate Starts for Triste_2:
(Start: 73 @589 has 2 MA's), (85, 628), (Start: 159 @730 has 54 MA's), (188, 802), (213, 883),

Gene: Triumph_3 Start: 679, Stop: 993, Start Num: 160
Candidate Starts for Triumph_3:
(Start: 160 @679 has 746 MA's), (210, 823),

Gene: Trixie_4 Start: 2424, Stop: 2720, Start Num: 160
Candidate Starts for Trixie_4:
(Start: 160 @2424 has 746 MA's),

Gene: Troje_71 Start: 45614, Stop: 45889, Start Num: 154
Candidate Starts for Troje_71:
(Start: 151 @45611 has 3 MA's), (Start: 154 @45614 has 26 MA's), (173, 45656), (Start: 176 @45668 has 1 MA's), (179, 45680), (212, 45728), (213, 45731), (216, 45758), (218, 45761), (222, 45779),

Gene: Trooper_5 Start: 2370, Stop: 2666, Start Num: 160
Candidate Starts for Trooper_5:
(Start: 160 @2370 has 746 MA's),

Gene: Trouble_1 Start: 534, Stop: 893, Start Num: 122
Candidate Starts for Trouble_1:
(Start: 122 @534 has 4 MA's), (Start: 136 @570 has 36 MA's), (143, 579), (Start: 160 @597 has 746 MA's), (208, 720), (227, 810), (233, 846),

Gene: TrvxScott_2 Start: 639, Stop: 953, Start Num: 160
Candidate Starts for TrvxScott_2:
(Start: 160 @639 has 746 MA's), (210, 783),

Gene: TuanPN_2 Start: 730, Stop: 1041, Start Num: 159
Candidate Starts for TuanPN_2:
(Start: 73 @589 has 2 MA's), (85, 628), (Start: 159 @730 has 54 MA's), (188, 802), (199, 832), (208, 859), (222, 922),

Gene: Tubs_4 Start: 2335, Stop: 2628, Start Num: 157
Candidate Starts for Tubs_4:
(Start: 132 @2308 has 3 MA's), (Start: 157 @2335 has 33 MA's), (203, 2437), (208, 2455),

Gene: Tuck_69 Start: 43623, Stop: 43925, Start Num: 160
Candidate Starts for Tuck_69:
(Start: 160 @43623 has 746 MA's), (185, 43689), (205, 43740), (222, 43815), (240, 43914),

Gene: Tucker_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for Tucker_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Turab_68 Start: 42750, Stop: 43052, Start Num: 160

Candidate Starts for Turab_68:

(Start: 160 @42750 has 746 MA's), (179, 42801), (185, 42816), (205, 42867), (222, 42942), (240, 43041),

Gene: Turbido_5 Start: 2551, Stop: 2847, Start Num: 160

Candidate Starts for Turbido_5:

(Start: 160 @2551 has 746 MA's), (208, 2674),

Gene: Turj99_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Turj99_1:

(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Tutumahutu_71 Start: 43324, Stop: 43626, Start Num: 160

Candidate Starts for Tutumahutu_71:

(Start: 160 @43324 has 746 MA's), (179, 43375), (185, 43390), (205, 43441), (222, 43516), (240, 43615),

Gene: Tweety19_69 Start: 40496, Stop: 40801, Start Num: 160

Candidate Starts for Tweety19_69:

(Start: 160 @40496 has 746 MA's), (183, 40556), (185, 40562), (205, 40613), (240, 40787),

Gene: Twister_1 Start: 463, Stop: 759, Start Num: 142

Candidate Starts for Twister_1:

(Start: 142 @463 has 40 MA's),

Gene: TwoPeat_2 Start: 834, Stop: 1130, Start Num: 160

Candidate Starts for TwoPeat_2:

(Start: 127 @786 has 1 MA's), (Start: 160 @834 has 746 MA's), (208, 957), (227, 1047), (233, 1083),

Gene: Tyrellus_26 Start: 17072, Stop: 17371, Start Num: 160

Candidate Starts for Tyrellus_26:

(Start: 160 @17072 has 746 MA's), (206, 17201), (207, 17204), (220, 17267), (228, 17315), (230, 17324), (239, 17360),

Gene: U2_2 Start: 749, Stop: 1045, Start Num: 160

Candidate Starts for U2_2:

(Start: 160 @749 has 746 MA's), (208, 872), (227, 962), (233, 998),

Gene: UnionJack_87 Start: 500, Stop: 799, Start Num: 142

Candidate Starts for UnionJack_87:

(Start: 142 @500 has 40 MA's), (Start: 167 @515 has 1 MA's), (203, 608), (219, 680), (232, 749), (243, 794),

Gene: Unstoppable_2 Start: 740, Stop: 1054, Start Num: 159

Candidate Starts for Unstoppable_2:

(75, 629), (98, 656), (Start: 159 @740 has 54 MA's), (213, 896),

Gene: Updawg_5 Start: 2624, Stop: 2920, Start Num: 160

Candidate Starts for Updawg_5:

(67, 2423), (Start: 160 @2624 has 746 MA's),

Gene: Upsilon_25 Start: 17137, Stop: 17436, Start Num: 160
Candidate Starts for Upsilon_25:
(107, 17035), (Start: 160 @17137 has 746 MA's), (206, 17266), (207, 17269), (220, 17332), (228, 17380), (230, 17389), (239, 17425),

Gene: Urza_2 Start: 744, Stop: 1058, Start Num: 160
Candidate Starts for Urza_2:
(Start: 160 @744 has 746 MA's), (210, 888),

Gene: UtzChips_77 Start: 46396, Stop: 46695, Start Num: 160
Candidate Starts for UtzChips_77:
(126, 46351), (Start: 160 @46396 has 746 MA's), (201, 46504), (205, 46513),

Gene: VA6_4 Start: 2464, Stop: 2760, Start Num: 160
Candidate Starts for VA6_4:
(Start: 160 @2464 has 746 MA's), (208, 2587),

Gene: VC3_4 Start: 2344, Stop: 2640, Start Num: 160
Candidate Starts for VC3_4:
(Start: 160 @2344 has 746 MA's),

Gene: VResidence_72 Start: 41784, Stop: 42086, Start Num: 160
Candidate Starts for VResidence_72:
(60, 41574), (Start: 160 @41784 has 746 MA's), (185, 41850), (205, 41901), (240, 42075),

Gene: VWB_70 Start: 47259, Stop: 47567, Start Num: 157
Candidate Starts for VWB_70:
(22, 46878), (Start: 157 @47259 has 33 MA's), (226, 47478),

Gene: Vanisius_25 Start: 17080, Stop: 17379, Start Num: 160
Candidate Starts for Vanisius_25:
(107, 16978), (Start: 160 @17080 has 746 MA's), (206, 17209), (207, 17212), (220, 17275), (228, 17323), (230, 17332), (239, 17368),

Gene: Vanisoa_4 Start: 2102, Stop: 2395, Start Num: 157
Candidate Starts for Vanisoa_4:
(Start: 157 @2102 has 33 MA's), (185, 2168), (203, 2204), (208, 2222),

Gene: VasuNzinga_90 Start: 48574, Stop: 48900, Start Num: 160
Candidate Starts for VasuNzinga_90:
(139, 48547), (Start: 160 @48574 has 746 MA's), (Start: 175 @48616 has 1 MA's), (190, 48661), (209, 48721), (220, 48781), (231, 48841),

Gene: Verabelle_3 Start: 950, Stop: 1264, Start Num: 160
Candidate Starts for Verabelle_3:
(152, 944), (Start: 160 @950 has 746 MA's), (185, 1019), (210, 1094),

Gene: Verse_2 Start: 955, Stop: 1269, Start Num: 160
Candidate Starts for Verse_2:
(57, 751), (59, 754), (105, 856), (152, 949), (Start: 160 @955 has 746 MA's), (185, 1024), (210, 1099), (217, 1132),

Gene: VieEnRose_2 Start: 744, Stop: 1058, Start Num: 160

Candidate Starts for VieEnRose_2:

(Start: 160 @744 has 746 MA's), (210, 888),

Gene: Vine_74 Start: 47747, Stop: 48088, Start Num: 156

Candidate Starts for Vine_74:

(148, 47735), (Start: 156 @47747 has 11 MA's), (168, 47771), (Start: 186 @47825 has 1 MA's), (200, 47864), (226, 47984),

Gene: Violet_2 Start: 748, Stop: 1044, Start Num: 160

Candidate Starts for Violet_2:

(Start: 160 @748 has 746 MA's), (208, 871), (227, 961), (233, 997),

Gene: VitulaEligans_25 Start: 17161, Stop: 17460, Start Num: 160

Candidate Starts for VitulaEligans_25:

(107, 17059), (Start: 160 @17161 has 746 MA's), (206, 17290), (207, 17293), (220, 17356), (228, 17404), (230, 17413), (239, 17449),

Gene: Vix_1 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for Vix_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: VohminGhazi_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for VohminGhazi_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: VroomVroom_67 Start: 42799, Stop: 43164, Start Num: 154

Candidate Starts for VroomVroom_67:

(82, 42664), (85, 42673), (Start: 154 @42799 has 26 MA's), (183, 42868), (185, 42874), (235, 43069), (240, 43099), (245, 43111),

Gene: Waits_4 Start: 2278, Stop: 2574, Start Num: 160

Candidate Starts for Waits_4:

(Start: 160 @2278 has 746 MA's), (194, 2368),

Gene: WalterMcMickey_1 Start: 463, Stop: 759, Start Num: 142

Candidate Starts for WalterMcMickey_1:

(Start: 142 @463 has 40 MA's),

Gene: Warda_70 Start: 43423, Stop: 43725, Start Num: 160

Candidate Starts for Warda_70:

(Start: 160 @43423 has 746 MA's), (179, 43474), (185, 43489), (205, 43540), (222, 43615), (240, 43714),

Gene: Warrior24_4 Start: 2282, Stop: 2578, Start Num: 160

Candidate Starts for Warrior24_4:

(111, 2186), (Start: 160 @2282 has 746 MA's), (194, 2372),

Gene: Watermelon_2 Start: 736, Stop: 1044, Start Num: 160

Candidate Starts for Watermelon_2:

(Start: 160 @736 has 746 MA's), (208, 859), (227, 949), (233, 985),

Gene: Watson_1 Start: 526, Stop: 819, Start Num: 160

Candidate Starts for Watson_1:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: WeiHuaDA_5 Start: 2558, Stop: 2854, Start Num: 160

Candidate Starts for WeiHuaDA_5:

(Start: 160 @2558 has 746 MA's), (208, 2681),

Gene: Werner_2 Start: 730, Stop: 1041, Start Num: 159

Candidate Starts for Werner_2:

(Start: 73 @589 has 2 MA's), (85, 628), (Start: 159 @730 has 54 MA's), (188, 802), (213, 883),

Gene: Whabigail7_5 Start: 2548, Stop: 2844, Start Num: 160

Candidate Starts for Whabigail7_5:

(Start: 160 @2548 has 746 MA's), (208, 2671),

Gene: Whatever_2 Start: 589, Stop: 1041, Start Num: 73

Candidate Starts for Whatever_2:

(Start: 73 @589 has 2 MA's), (85, 628), (Start: 159 @730 has 54 MA's), (188, 802), (213, 883),

Gene: Wheeler_2 Start: 833, Stop: 1129, Start Num: 160

Candidate Starts for Wheeler_2:

(Start: 127 @785 has 1 MA's), (Start: 160 @833 has 746 MA's), (208, 956), (227, 1046), (233, 1082),

Gene: Whitspit_2 Start: 747, Stop: 1043, Start Num: 160

Candidate Starts for Whitspit_2:

(Start: 160 @747 has 746 MA's), (208, 870), (227, 960), (233, 996),

Gene: Whitty_58 Start: 40896, Stop: 41195, Start Num: 90

Candidate Starts for Whitty_58:

(Start: 90 @40896 has 6 MA's), (213, 41019),

Gene: WideWale_5 Start: 2624, Stop: 2920, Start Num: 160

Candidate Starts for WideWale_5:

(67, 2423), (Start: 160 @2624 has 746 MA's),

Gene: Wiks_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for Wiks_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Wildwest_65 Start: 43282, Stop: 43584, Start Num: 160

Candidate Starts for Wildwest_65:

(Start: 160 @43282 has 746 MA's), (183, 43342), (205, 43399), (222, 43474), (240, 43573),

Gene: Wilkins_1 Start: 598, Stop: 894, Start Num: 160

Candidate Starts for Wilkins_1:

(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: WilliamBoone_12 Start: 2893, Stop: 3201, Start Num: 165

Candidate Starts for WilliamBoone_12:

(135, 2863), (Start: 165 @2893 has 25 MA's), (233, 3157),

Gene: Witch_25 Start: 16990, Stop: 17289, Start Num: 160

Candidate Starts for Witch_25:

(Start: 160 @16990 has 746 MA's), (206, 17119), (207, 17122), (220, 17185), (228, 17233), (230, 17242), (239, 17278),

Gene: Wolfpack_25 Start: 17082, Stop: 17381, Start Num: 160

Candidate Starts for Wolfpack_25:

(107, 16980), (Start: 160 @17082 has 746 MA's), (206, 17211), (207, 17214), (220, 17277), (228, 17325), (230, 17334), (239, 17370),

Gene: Wolfwood_69 Start: 44987, Stop: 45304, Start Num: 154

Candidate Starts for Wolfwood_69:

(Start: 154 @44987 has 26 MA's), (213, 45125), (226, 45194),

Gene: Wooldri_3 Start: 517, Stop: 819, Start Num: 136

Candidate Starts for Wooldri_3:

(Start: 136 @517 has 36 MA's), (Start: 160 @526 has 746 MA's), (185, 592),

Gene: Wrigley_81 Start: 51527, Stop: 51817, Start Num: 172

Candidate Starts for Wrigley_81:

(Start: 136 @51470 has 36 MA's), (Start: 141 @51476 has 3 MA's), (Start: 172 @51527 has 22 MA's),

Gene: WunderPhul_4 Start: 2143, Stop: 2439, Start Num: 160

Candidate Starts for WunderPhul_4:

(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: XianYue_4 Start: 2391, Stop: 2687, Start Num: 160

Candidate Starts for XianYue_4:

(Start: 160 @2391 has 746 MA's), (206, 2508),

Gene: Yakult_74 Start: 46869, Stop: 47177, Start Num: 154

Candidate Starts for Yakult_74:

(118, 46794), (Start: 133 @46839 has 1 MA's), (148, 46860), (Start: 154 @46869 has 26 MA's), (Start: 174 @46914 has 3 MA's), (185, 46953), (203, 46977), (205, 46983), (213, 47016),

Gene: Yami_25 Start: 16551, Stop: 16850, Start Num: 160

Candidate Starts for Yami_25:

(107, 16449), (Start: 160 @16551 has 746 MA's), (206, 16680), (207, 16683), (220, 16746), (228, 16794), (230, 16803),

Gene: Yang_68 Start: 42836, Stop: 43144, Start Num: 160

Candidate Starts for Yang_68:

(Start: 160 @42836 has 746 MA's), (185, 42902), (222, 43028), (240, 43127),

Gene: Yasdni_2 Start: 729, Stop: 1040, Start Num: 159

Candidate Starts for Yasdni_2:

(85, 627), (Start: 159 @729 has 54 MA's), (188, 801), (199, 831), (208, 858), (222, 921),

Gene: Yasuo_25 Start: 17060, Stop: 17359, Start Num: 160

Candidate Starts for Yasuo_25:

(107, 16958), (Start: 160 @17060 has 746 MA's), (206, 17189), (207, 17192), (220, 17255), (228, 17303), (230, 17312), (239, 17348),

Gene: Yecey3_4 Start: 2101, Stop: 2394, Start Num: 160

Candidate Starts for Yecey3_4:
(Start: 160 @2101 has 746 MA's),

Gene: YertPhresh_25 Start: 16989, Stop: 17288, Start Num: 160
Candidate Starts for YertPhresh_25:
(Start: 160 @16989 has 746 MA's), (206, 17118), (207, 17121), (220, 17184), (228, 17232), (230, 17241), (239, 17277),

Gene: YesChef_69 Start: 43140, Stop: 43442, Start Num: 160
Candidate Starts for YesChef_69:
(Start: 160 @43140 has 746 MA's), (179, 43191), (185, 43206), (205, 43257), (222, 43332), (240, 43431),

Gene: Yokurt_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for Yokurt_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: Yosif_3 Start: 954, Stop: 1265, Start Num: 160
Candidate Starts for Yosif_3:
(74, 816), (119, 888), (125, 906), (Start: 160 @954 has 746 MA's), (217, 1128),

Gene: Yubaba_25 Start: 17023, Stop: 17322, Start Num: 160
Candidate Starts for Yubaba_25:
(Start: 160 @17023 has 746 MA's), (206, 17152), (207, 17155), (220, 17218), (228, 17266), (230, 17275), (239, 17311),

Gene: Yucky_74 Start: 47485, Stop: 47799, Start Num: 156
Candidate Starts for Yucky_74:
(148, 47473), (Start: 156 @47485 has 11 MA's), (168, 47509), (192, 47578), (226, 47695),

Gene: Yummy_71 Start: 45636, Stop: 45857, Start Num: 176
Candidate Starts for Yummy_71:
(Start: 151 @45579 has 3 MA's), (Start: 154 @45582 has 26 MA's), (173, 45624), (Start: 176 @45636 has 1 MA's), (179, 45648), (213, 45699), (216, 45726), (218, 45729),

Gene: Yvonnetastic_14 Start: 3602, Stop: 3910, Start Num: 165
Candidate Starts for Yvonnetastic_14:
(Start: 165 @3602 has 25 MA's), (218, 3776), (222, 3794), (226, 3815), (240, 3902),

Gene: Zahlia_25 Start: 17108, Stop: 17407, Start Num: 160
Candidate Starts for Zahlia_25:
(107, 17006), (Start: 160 @17108 has 746 MA's), (206, 17237), (207, 17240), (220, 17303), (228, 17351), (230, 17360), (239, 17396),

Gene: Zainub_3 Start: 1037, Stop: 1351, Start Num: 160
Candidate Starts for Zainub_3:
(85, 911), (Start: 113 @965 has 1 MA's), (Start: 151 @1031 has 3 MA's), (Start: 160 @1037 has 746 MA's), (185, 1106), (210, 1181),

Gene: Zaka_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for Zaka_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: ZamZam_2 Start: 936, Stop: 1250, Start Num: 160
Candidate Starts for ZamZam_2:
(152, 927), (Start: 156 @930 has 11 MA's), (Start: 160 @936 has 746 MA's), (210, 1080),

Gene: Zareef_67 Start: 44991, Stop: 45311, Start Num: 154
Candidate Starts for Zareef_67:
(Start: 154 @44991 has 26 MA's), (213, 45132), (226, 45201),

Gene: Zeeculate_1 Start: 596, Stop: 892, Start Num: 160
Candidate Starts for Zeeculate_1:
(Start: 122 @533 has 4 MA's), (Start: 136 @569 has 36 MA's), (143, 578), (Start: 160 @596 has 746 MA's), (208, 719), (227, 809), (233, 845),

Gene: Zemlya_2 Start: 703, Stop: 1014, Start Num: 159
Candidate Starts for Zemlya_2:
(1, 34), (2, 40), (3, 43), (4, 70), (7, 142), (37, 406), (49, 463), (54, 487), (57, 496), (121, 652), (Start: 136 @682 has 36 MA's), (Start: 159 @703 has 54 MA's), (196, 799), (199, 805), (208, 832),

Gene: ZenTime222_65 Start: 41847, Stop: 42146, Start Num: 90
Candidate Starts for ZenTime222_65:
(Start: 90 @41847 has 6 MA's), (213, 41970),

Gene: Zephyr_1 Start: 598, Stop: 894, Start Num: 160
Candidate Starts for Zephyr_1:
(Start: 122 @535 has 4 MA's), (Start: 136 @571 has 36 MA's), (143, 580), (Start: 160 @598 has 746 MA's), (208, 721), (227, 811), (233, 847),

Gene: Zeta1847_76 Start: 47529, Stop: 47834, Start Num: 160
Candidate Starts for Zeta1847_76:
(Start: 78 @47376 has 2 MA's), (Start: 79 @47379 has 1 MA's), (81, 47382), (Start: 160 @47529 has 746 MA's), (244, 47829),

Gene: Zetzy_1 Start: 518, Stop: 820, Start Num: 136
Candidate Starts for Zetzy_1:
(Start: 136 @518 has 36 MA's), (Start: 160 @527 has 746 MA's), (185, 593),

Gene: Zeuska_1 Start: 599, Stop: 895, Start Num: 160
Candidate Starts for Zeuska_1:
(Start: 122 @536 has 4 MA's), (Start: 136 @572 has 36 MA's), (143, 581), (Start: 156 @596 has 11 MA's), (Start: 160 @599 has 746 MA's), (208, 722), (227, 812), (233, 848),

Gene: Zimmer_4 Start: 2256, Stop: 2552, Start Num: 158
Candidate Starts for Zimmer_4:
(51, 1998), (63, 2043), (77, 2094), (Start: 158 @2256 has 4 MA's),

Gene: Zulu_4 Start: 2143, Stop: 2439, Start Num: 160
Candidate Starts for Zulu_4:
(Start: 160 @2143 has 746 MA's), (210, 2278),

Gene: phiHau3_1 Start: 591, Stop: 905, Start Num: 160
Candidate Starts for phiHau3_1:
(Start: 160 @591 has 746 MA's), (204, 708), (210, 735), (229, 837), (241, 900),