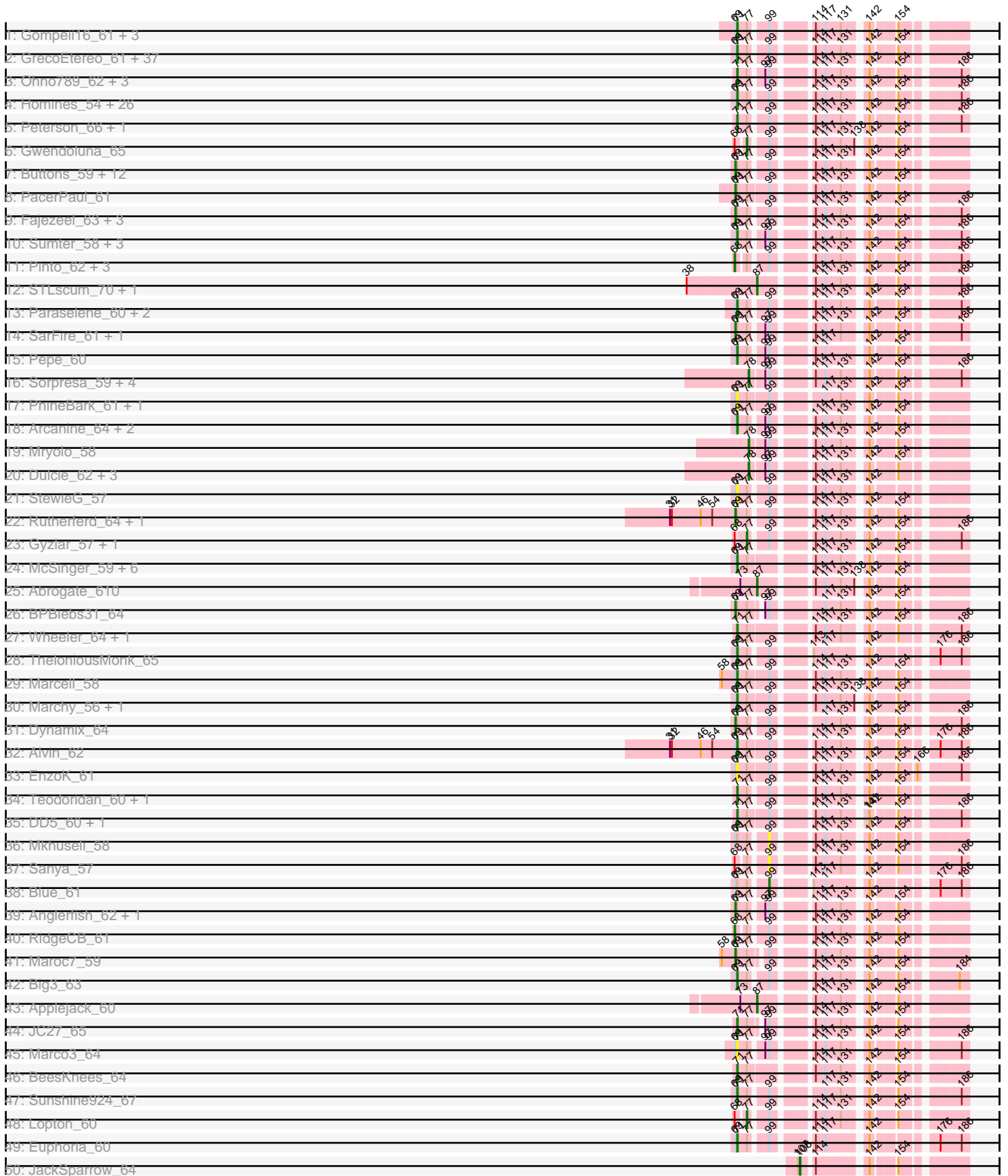
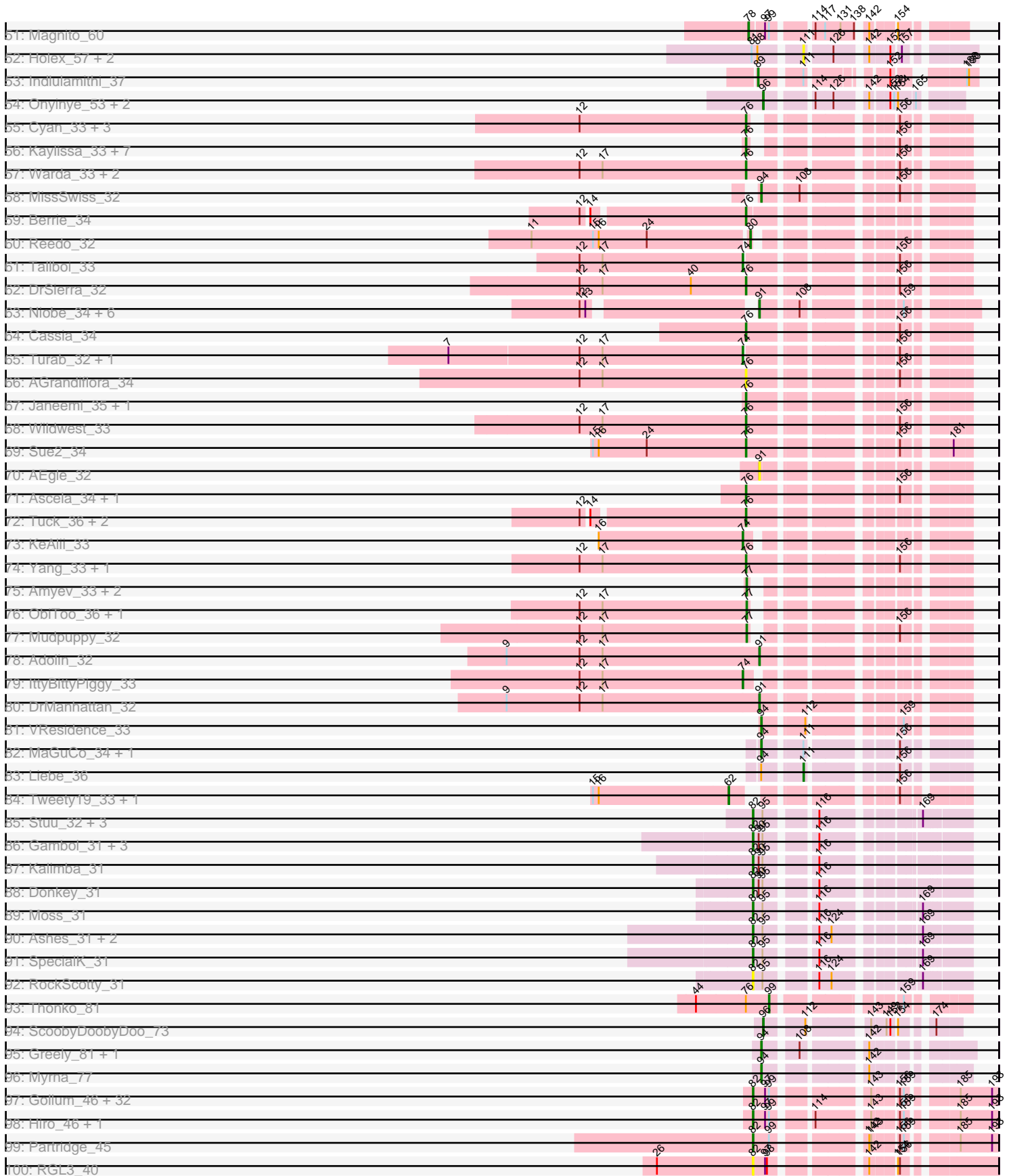


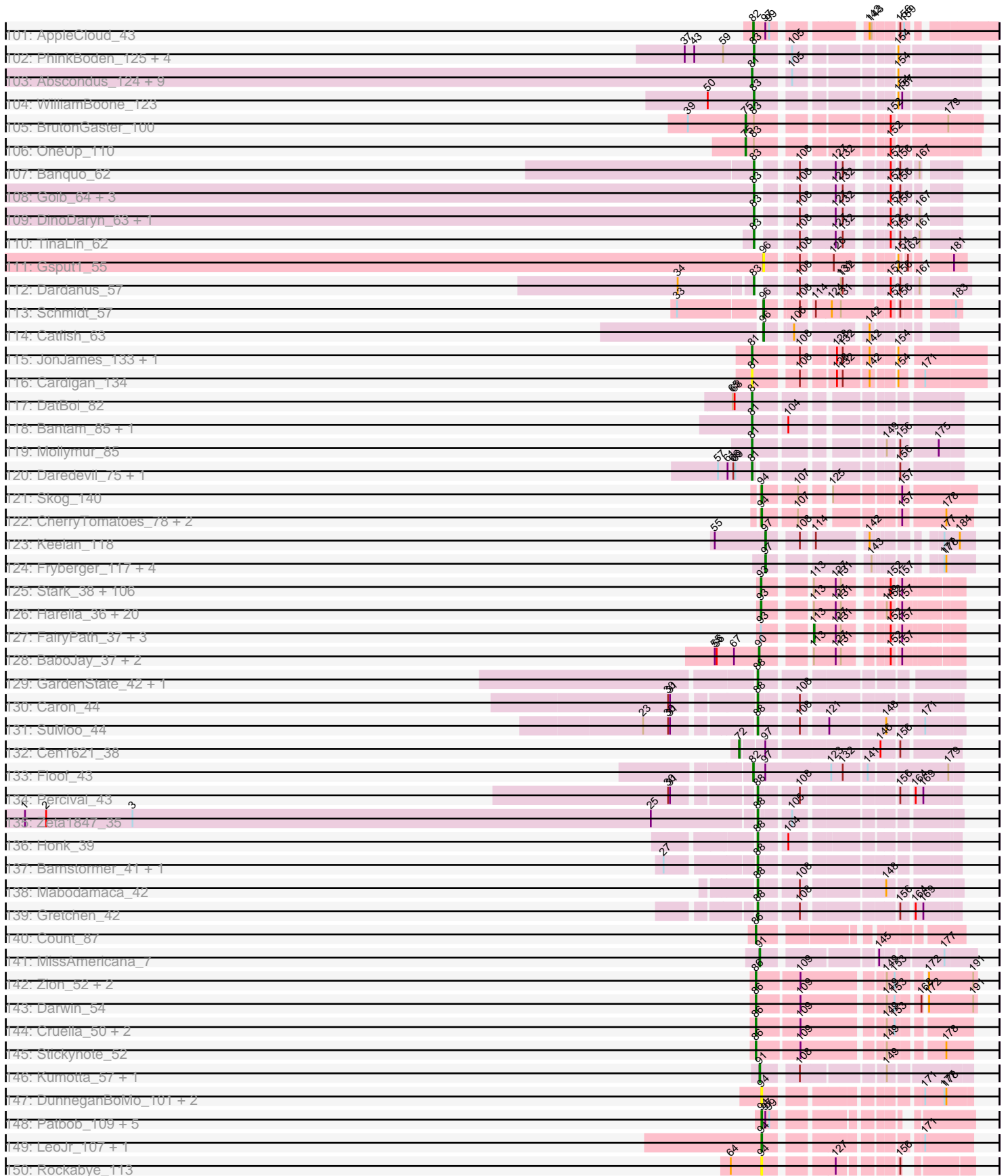
Pham 215645



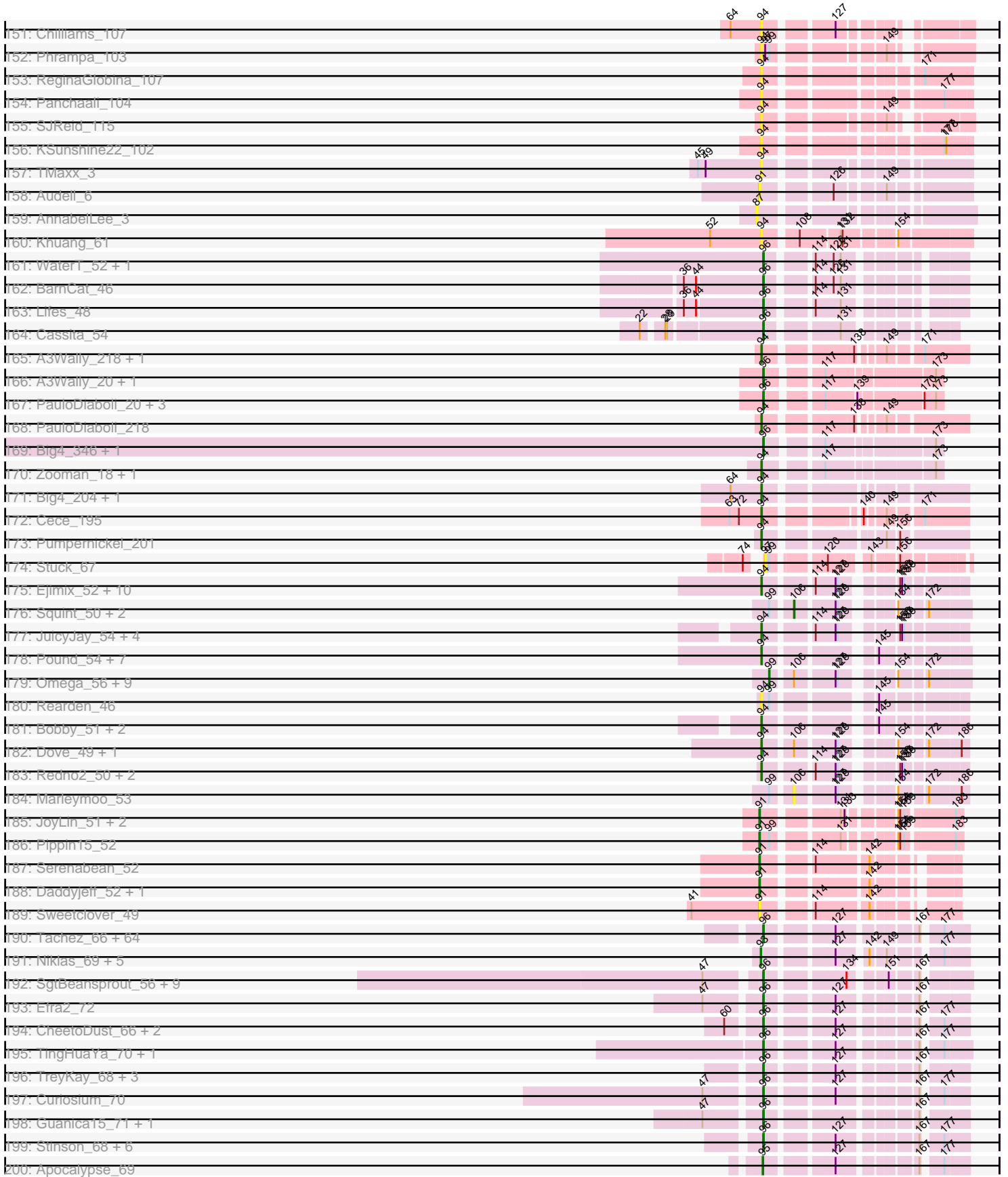
Pham 215645



Pham 215645



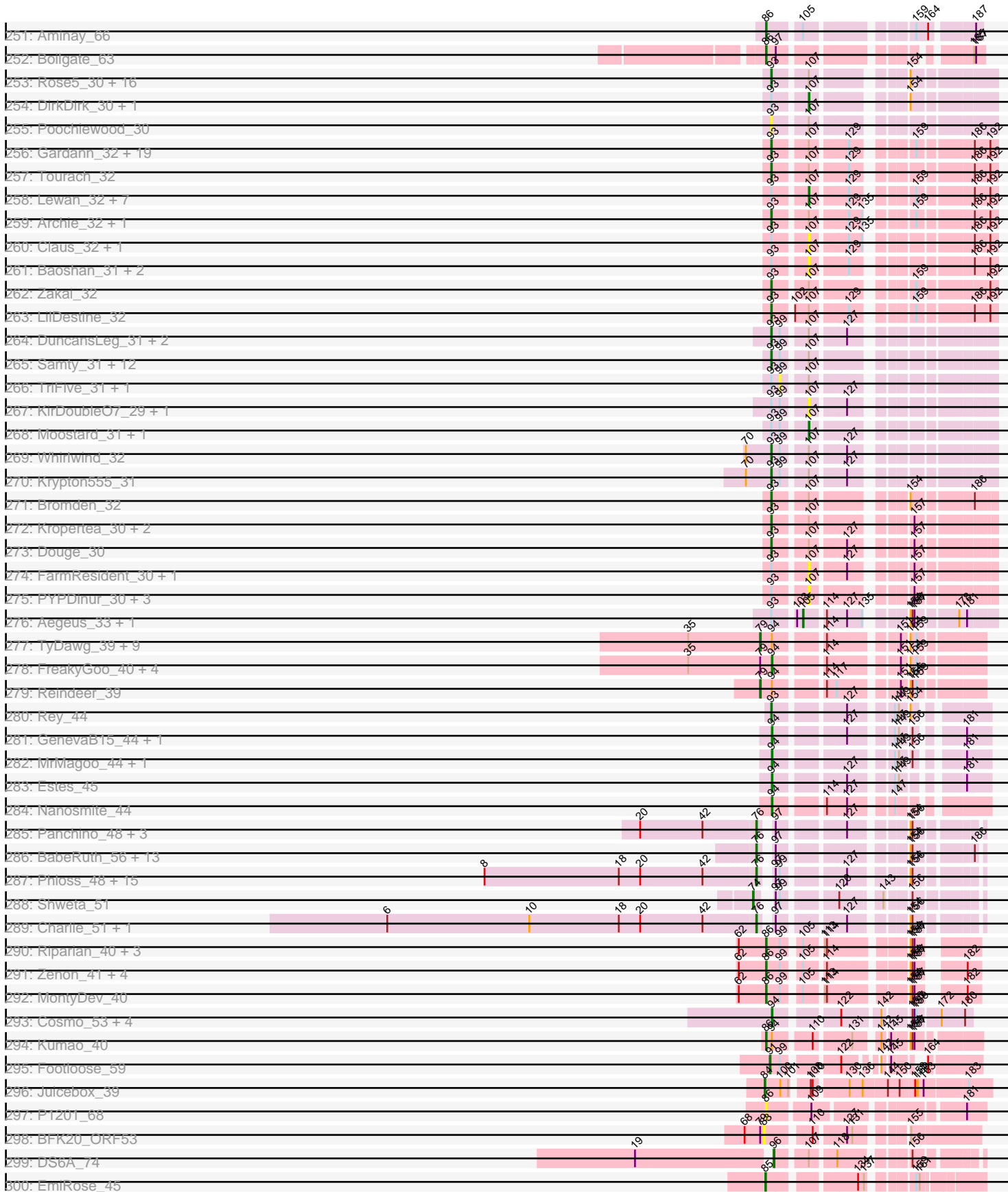
Pham 215645



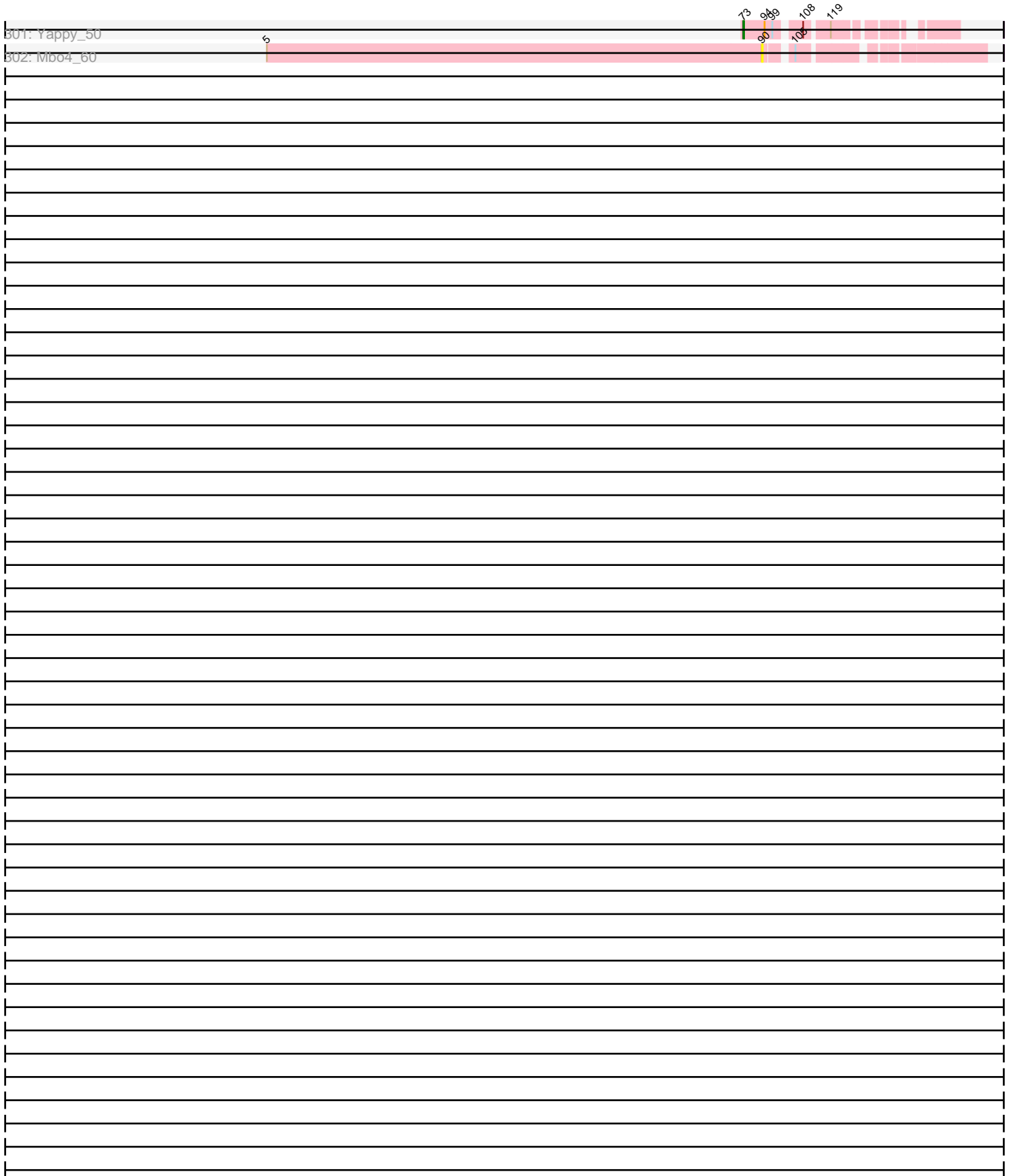
Pham 215645



Pham 215645



Pham 215645



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 215645 Report

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

Pham number 215645 has 987 members, 142 are drafts.

Phages represented in each track:

- Track 1 : Gompeii16_61, Bircsak_61, Agaliana_56, Francis47_60
- Track 2 : GrecoEtereo_61, Swole_63, Marge_59, Hami1_57, Phlippers_58, BarrowTuph_62, Rajelicia_62, Ashballer_65, QTRlifeCrisis_62, Tote_58, A6_54, ConceptII_64, Gandalf20_64, BK1_54, Violet_60, Sagefire_64, Smairt_64, Abbyshoes_63, BigPaolini_59, Dussy_62, Chanagan_56, CactusRose_62, Perseus_61, Mule_59, Nerujay_64, JuliaChild_63, PascalRango_60, Doom_60, LilBib_62, Edtherson_61, PSullivan_60, Licorice_63, BaconJack_66, LunarLander_64, Hermia_60, Bigfoot_54, Norz_62, Ciao_60
- Track 3 : Ohno789_62, Dreamboat_63, PherrisBueller_61, Jasper_62
- Track 4 : Homines_54, Froghopper_60, SpikeBT_60, Burton_63, MaryBeth_60, Jerm2_64, Corvo_63, MrGordo_64, PinkPlastic_62, GageAP_63, Alsfro_68, Barriga_65, Bxb1_56, Petruccio_62, Niza_64, NEHalo_59, Ajay_62, Graduation_66, MetalQZJ_59, Ichabod_66, Target_64, AFIS_58, Dexes_62, Pelly_63, Hope4ever_63, Jorgensen_65, Solon_61
- Track 5 : Peterson_66, Lesedi_58
- Track 6 : Gwendoluna_65
- Track 7 : Buttons_59, Kenmech_65, HarryOW_60, Fushigi_58, KSSJEB_62, Papez_64, Pita2_63, PattyP_64, Espresso_59, Pippin_62, Aeneas_65, Fascinus_56, PhrostyMug_62
- Track 8 : PacerPaul_61
- Track 9 : Fajezeel_63, Acme_64, Greg_63, Lamina13_66
- Track 10 : Sumter_58, Turj99_60, Thor_61, Pari_65
- Track 11 : Pinto_62, Rufus_63, Atkinbua_64, Makemake_64
- Track 12 : STLscum_70, Ringer_62
- Track 13 : Paraselene_60, Iqorha_57, Inyanga_57
- Track 14 : SarFire_61, Bethlehem_61
- Track 15 : Pepe_60
- Track 16 : Sorpresa_59, Sandaddy_58, Tripl3t_65, Magnar_60, KyMonks1A_65
- Track 17 : PhineBark_61, Levia_57
- Track 18 : Arcanine_64, Slagathor_64, TwoPeat_63
- Track 19 : Mryolo_58
- Track 20 : Dulcie_62, Ruotula_64, DrFeelGood_58, Traft412_64
- Track 21 : StewieG_57
- Track 22 : Rutherferd_64, Rhynn_60
- Track 23 : Gyzlar_57, Rubeus_60
- Track 24 : McSinger_59, ILeeKay_64, ShortQueendom_54, Bigchungu_60, Kanely_63, Altman_64, Snazzy_60

- Track 25 : Abrogate_610
- Track 26 : BPBiebs31_64
- Track 27 : Wheeler_64, Michley_65
- Track 28 : TheloniousMonk_65
- Track 29 : Marcell_58
- Track 30 : Marchy_56, Payneful_60
- Track 31 : Dynamix_64
- Track 32 : Alvin_62
- Track 33 : EnzoK_61
- Track 34 : Teodoridan_60, Smeagol_64
- Track 35 : DD5_60, Lockley_59
- Track 36 : Mkhuseleli_58
- Track 37 : Sanya_57
- Track 38 : Blue_61
- Track 39 : Anglerfish_62, Manatee_62
- Track 40 : RidgeCB_61
- Track 41 : Maroc7_59
- Track 42 : Big3_63
- Track 43 : Applejack_60
- Track 44 : JC27_65
- Track 45 : Marco3_64
- Track 46 : BeesKnees_64
- Track 47 : Sunshine924_67
- Track 48 : Lopton_60
- Track 49 : Euphoria_60
- Track 50 : JackSparrow_64
- Track 51 : Magnito_60
- Track 52 : Holes_57, EdogawaKiddo_56, Hanray_56
- Track 53 : Indulamithi_37
- Track 54 : Onyinye_53, Leopard_52, Aikoy_52
- Track 55 : Cyan_33, Joemato_33, JohnDoe_33, Simpson_35
- Track 56 : Kaylissa_33, Nitro_33, JuneStar_33, Pumpkins_33, TforTroy_34, YesChef_33, Lizalica_32, Powerpuff_35
- Track 57 : Warda_33, Tutumahutu_33, Tbone_32
- Track 58 : MissSwiss_32
- Track 59 : Berrie_34
- Track 60 : Reedo_32
- Track 61 : Tallboi_33
- Track 62 : DrSierra_32
- Track 63 : Niobe_34, Eraser_34, Jstan_36, Elezi_34, Asa16_34, London_34, Subaru_35
- Track 64 : Cassia_34
- Track 65 : Turab_32, Adumb2043_32
- Track 66 : AGrandiflora_34
- Track 67 : Janeemi_35, Lego_33
- Track 68 : Wildwest_33
- Track 69 : Sue2_34
- Track 70 : AEgle_32
- Track 71 : Ascela_34, Iter_34
- Track 72 : Tuck_36, Phives_35, Community_34
- Track 73 : KeAlii_33
- Track 74 : Yang_33, Shaffner_34
- Track 75 : Amyev_33, Tian_33, Pixelle_33

- Track 76 : ObiToo_36, Crewmate_37
- Track 77 : Mudpuppy_32
- Track 78 : Adolin_32
- Track 79 : IttyBittyPiggy_33
- Track 80 : DrManhattan_32
- Track 81 : VResidence_33
- Track 82 : MaGuCo_34, Maureen_36
- Track 83 : Liebe_36
- Track 84 : Tweety19_33, Snek_33
- Track 85 : Stuu_32, Giorgio_31, Mysterium_31, Gumpizza_31
- Track 86 : Gambol_31, Cappuccino_31, Sooty_31, Sabourin_32
- Track 87 : Kalimba_31
- Track 88 : Donkey_31
- Track 89 : Moss_31
- Track 90 : Ashes_31, Halsey_31, Beaupre_32
- Track 91 : SpecialK_31
- Track 92 : RockScotty_31
- Track 93 : Thonko_81
- Track 94 : ScoobyDoobyDoo_73
- Track 95 : Greely_81, Phabba_83
- Track 96 : Myrna_77
- Track 97 : Gollum_46, Rasputin_46, BobbyDazzler_46, Lillie_46, Jester_45, Bryce_45, Yoncess_45, Shuman_46, RexFury_45, Takoda_46, Nancinator_46, Rhodalysa_46, Yogi_45, Espica_46, Bradshaw_46, Krishelle_46, Dinger_45, UhSalsa_46, Erik_46, Natosaleda_45, Naiad_45, CosmicSans_46, Bonanza_46, Belenaria_46, Harlequin_45, StCroix_45, TWAMP_46, Phrankenstein_46, Alatin_45, Swann_46, Alpacados_45, AngryOrchard_44, RER2_39
- Track 98 : Hiro_46, PhailMary_45
- Track 99 : Partridge_45
- Track 100 : RGL3_40
- Track 101 : AppleCloud_43
- Track 102 : PhinkBoden_125, Bachita_128, Cucurbita_126, Toniann_125, Engineer_127
- Track 103 : Abscondus_124, Miskis_124, Geeche_123, Culver_125, Aphelion_125, Norvs_124, Dusty_121, ClubL_125, Lozinak_125, Smoothie_126
- Track 104 : WilliamBoone_123
- Track 105 : BrutonGaster_100
- Track 106 : OneUp_110
- Track 107 : Banquo_62
- Track 108 : Goib_64, Splinter_63, TZGordon_64, Vendetta_63
- Track 109 : DinoDaryn_63, Huffy_63
- Track 110 : TinaLin_62
- Track 111 : Gsput1_55
- Track 112 : Dardanus_57
- Track 113 : Schmidt_57
- Track 114 : Catfish_63
- Track 115 : JonJames_133, Yvonnetastic_129
- Track 116 : Cardigan_134
- Track 117 : DatBoi_82
- Track 118 : Bantam_85, SpeedDemon_860
- Track 119 : Mollymur_85
- Track 120 : Daredevil_75, Towmatter_78
- Track 121 : Skog_140

- Track 122 : CherryTomatoes_78, SCentae_76, Pupper_77
- Track 123 : Keelan_118
- Track 124 : Fryberger_117, Ronaldo_118, Ziko_119, Guey18_121, Volt_121
- Track 125 : Stark_38, Elph10_38, Maxxinista_38, Moldemort_38, Emmina_38, Tarkin_39, Gage_39, StormChicken_37, Petra64142_39, FireRed_37, Hopey_39, Paperbeatsrock_39, Czyszczon1_38, StellaBean_37, BugsBunny_35, Kostya_38, FoghornLeghorn_36, Kanye_39, Adnama_40, TeardropMSU_36, Inca_36, Thresher_38, GoldenSpark_39, Sassay_36, 244_39, HanKaySha_38, Argent26_39, MISSy_36, Manda_38, Nimrod_37, Rakim_38, MadamMonkfish_37, BilboSwaggins_37, HuffyPuff_36, Myrale_37, Dumbo_37, Becksu_37, YassJohnny_38, SophKB_37, GooberAzure_39, Command613_38, Teaspoon_38, Miniwave_37, PhatBacter_37, JeTaime_39, Icee_36, MPhalcon_36, Buck_36, CrystalP_37, Kimchi_39, Asriel_36, Saints25_38, StolenFromERC_39, Bask21_37, Stank_40, Cactus_38, Tuco_38, Qualification_38, Palpatine_37, Traaww1_35, Lilac_39, Filch_38, Barbarian_36, Sotrice96_37, NelitzaMV_37, RiverMonster_37, Terminus_37, AmericanBeauty_39, Goldilocks_38, Murphy_38, NoSleep_38, Bench_39, Gator_35, Phrux_37, Simpliphy_38, Hoonter_39, Elite2014_36, Misfit_37, Wiggins_40, Pumpkin_39, Lilizi_39, Ukulele_37, ChosenOne_37, ABCat_36, Bruin_37, Xandras_39, Willez_36, DrDrey_38, Gemini_40, Cjw1_37, Policronamos_37, Thimble_37, Nala_37, Marshmallow_37, ShamWow_37, Porky_37, TBrady12_39, Lilpickle_36, Highbury_38, xkcd_38, OrionPax_38, Rimmer_36, Toto_37, Phaux_36, Pharsalus_38, Murica_36, Easy2Say_39
- Track 126 : Harella_36, Tomaszewski_36, SirDuracell_36, Glexan_35, ChotaBhai_37, Daikon_36, Youngblood_37, Balomoji_36, BadStone_36, Contagion_36, Mindy_37, Flypotenuse_35, Mosby_36, Amao_37, BigBubba_38, Pat3_36, DoctorDiddles_37, Holt_38, Dusk_36, Henry_38, Cookies_37
- Track 127 : FairyPath_37, IHOP_37, Phaja_37, ShereKhan_39
- Track 128 : BaboJay_37, Eureka_38, Goku_38
- Track 129 : GardenState_42, IAmGroot_42
- Track 130 : Caron_44
- Track 131 : SuMoo_44
- Track 132 : Cen1621_38
- Track 133 : Floof_43
- Track 134 : Percival_43
- Track 135 : Zeta1847_35
- Track 136 : Honk_39
- Track 137 : Barnstormer_41, UtzChips_41
- Track 138 : Mabodamaca_42
- Track 139 : Gretchen_42
- Track 140 : Count_87
- Track 141 : MissAmericana_7
- Track 142 : Zion_52, PotatoChip_52, PeteyPab_51
- Track 143 : Darwin_54
- Track 144 : Cruella_50, C3PO_50, Kimchi1738_51
- Track 145 : Stickynote_52
- Track 146 : Kumotta_57, MargaretKali_53
- Track 147 : DunneganBoMo_101, Ellewin_99, WaddleDee_101
- Track 148 : Patbob_109, GoldenEssence_97, Talia1610_108, Racecar_109, Bloom_112, Mimi_108
- Track 149 : LeoJr_107, Atuin_102
- Track 150 : Rockabye_113
- Track 151 : Chilliams_107
- Track 152 : Phrampa_103

- Track 153 : ReginaGlobina_107
- Track 154 : Panchaali_104
- Track 155 : SJReid_115
- Track 156 : KSunshine22_102
- Track 157 : TMaxx_3
- Track 158 : Audell_6
- Track 159 : AnnabelLee_3
- Track 160 : Khuang_61
- Track 161 : WaterT_52, LeeroyJenkins_54
- Track 162 : BarnCat_46
- Track 163 : Lifes_48
- Track 164 : Cassita_54
- Track 165 : A3Wally_218, Dodo_218
- Track 166 : A3Wally_20, A3Wally_373
- Track 167 : PauloDiaboli_20, PauloDiaboli_375, Dodo_371, Dodo_21
- Track 168 : PauloDiaboli_218
- Track 169 : Big4_346, Big4_20
- Track 170 : Zooman_18, Zooman_331
- Track 171 : Big4_204, Zooman_185
- Track 172 : Cece_195
- Track 173 : Pumpernickel_201
- Track 174 : Stuck_67
- Track 175 : Ejimix_52, Halley_52, HokkenD_45, EricMillard_52, Beem_52, Bagrid_51, Yeet_50, ThreeRngTarjay_50, Kalah2_52, Hughesyang_50, BAKA_56
- Track 176 : Squint_50, Gonephishing_53, Shaboozey_44
- Track 177 : JuicyJay_54, Klein_52, DmpstrDiver_53, Schatzie_49, Odette_52
- Track 178 : Pound_54, Minerva_58, Duke13_55, Bombitas_49, Wanda_58, NihilNomen_51, Optimus_57, Phoebus_51
- Track 179 : Omega_56, Porcelain_50, Lucky2013_51, Ariel_51, Nekros_50, LittleE_56, Thibault_45, Courthouse_51, MiaZeal_51, Superphikiman_51
- Track 180 : Rearden_46
- Track 181 : Bobby_51, Hannaconda_48, KashFlow_45
- Track 182 : Dove_49, Constella_44
- Track 183 : Redno2_50, Dallas_54, Zelink_53
- Track 184 : Marleymoo_53
- Track 185 : JoyLin_51, Eevee_51, Yotsuba_51
- Track 186 : Pippin15_52
- Track 187 : Serenabean_52
- Track 188 : Daddyjeff_52, AddiRose_51
- Track 189 : Sweetclover_49
- Track 190 : Tachez_66, Blizzard_66, CaseJules_68, DrHayes_67, Ramen_67, Spock_66, Rosmarinus_66, Lunahalos_66, Joy99_66, Zavala_69, Padpat_69, Peel_66, Belladonna_66, Padfoot_66, Angelica_66, Jayhawk_68, Deby_67, Jeckyll_66, HedwigODU_66, Geraldini_69, Veliki_68, Hyperbowlee_66, BGIlluviae_66, Inky_66, TiniBug_67, Llorens_66, CallaLilly_68, Zabiza_61, Rapunzel97_68, YoureAdopted_66, Boiiii_66, Piatt_66, Beezoo_68, Emerson_68, Mynx_68, Asayake_66, Ganymede_66, MacKat_62, AlishaPH_66, BEEST_66, Homura_66, Twitch_66, Jarvi_66, Pokerus_66, Adephegia_66, Urkel_67, BarrelRoll_67, TruffulaTree_67, Bella96_67, ActinUp_66, ShiaSurprise_67, JAWS_67, Clipper_71, CREW_66, Atiba_67, QuincyRose_64, Capricorn_66, Durfee_66, Dalmuri_66, Sulley_66, SamuelLPlaqson_67, Slimphazie_67, MeaningOfLife_67, Adonis_66, Topper_66

- Track 191 : Niklas_69, Dartin_69, Shaobing_69, McMater_69, Peanam_69, Richo_69
- Track 192 : SgtBeansprout_56, Enkosi_57, Amelie_55, Nutello_55, Binglebops_55, Teejan_57, Mdavu_56, LilPharaoh_56, Torres_57, Nikao_58
- Track 193 : Efra2_72
- Track 194 : CheetoDust_66, BaghaKamala_66, Bern_68
- Track 195 : TingHuaYa_70, LastHope_71
- Track 196 : TreyKay_68, LindNT_66, CrimD_68, Prithvi_68
- Track 197 : Curiosium_70
- Track 198 : Guanica15_71, Yunkel11_71
- Track 199 : Stinson_68, Devera_74, Murucutumbu_68, LaterM_67, Illumine_72, Ageofdapage_70, Dole_72
- Track 200 : Apocalypse_69
- Track 201 : Scarlett_71, Oscar_70, KiSi_71
- Track 202 : TaiwanKao_69
- Track 203 : Validus_71
- Track 204 : Chris_69
- Track 205 : Megsy_69
- Track 206 : Nibb_69
- Track 207 : LeMond_70
- Track 208 : MarkPheW_69
- Track 209 : Chavito_69
- Track 210 : Tiri_67
- Track 211 : Anaya_69
- Track 212 : Marcoliusprime_69, DismalFunk_69, DismalStressor_69
- Track 213 : Doughnut_70, Milly_69, Strobilo_70, Findley_69
- Track 214 : ZoeJ_68
- Track 215 : Mufasa_69
- Track 216 : BoostSeason_69
- Track 217 : TM4_67
- Track 218 : Pixie_67, TBond007_64
- Track 219 : MacnCheese_70
- Track 220 : TribbleTrouble_68, Pharb_67
- Track 221 : Hurricane_68, Lea83_69, ShedlockHolmes_69
- Track 222 : Mitti_70
- Track 223 : Eponine_72
- Track 224 : Reptar3000_67
- Track 225 : Taquito_69
- Track 226 : MissDaisy_67
- Track 227 : Bobquesha_71, Patt_66
- Track 228 : Kraw_71, Chancellor_70, Cheetobro_70, Wintermute_70, Lebo14_71, Malthus_71, Fionnbharth_70, SamScheppers_68, Juliette_72, Slarp_70
- Track 229 : Ruthiejr_71, Y10_67, Y2_67, JF1_70
- Track 230 : Gengar_60, Miryou_64, OkiRoe_61
- Track 231 : Edugator_59, Paola_60, Leston_60, Dadosky_62, Psycho_60, Guillsminger_61, Neighly_62, AlleyCat_62, Larva_61
- Track 232 : Kratio_58, Agent47_60, InvictusManeo_58, ViviJ_58, Collard_58
- Track 233 : SoSeph_61, Heftyboy_61, Feyre_63, Thyatira_63, Waterfoul_62
- Track 234 : Rando14_62
- Track 235 : Omnicron_64
- Track 236 : Shadow1_71, Sunflower1121_72, Syra333_70
- Track 237 : Unicorn_68, PhelpsODU_68
- Track 238 : Ellie_62, Applecrisp_65

- Track 239 : SirPhilip_66
- Track 240 : Bryler_70, Tierra_70, Cain_70, Phrank_70
- Track 241 : Marshawn_66
- Track 242 : Ekdilam_63
- Track 243 : Amohnition_66, DarthP_66, Hammy_66
- Track 244 : Ximenita_72
- Track 245 : TClif_68
- Track 246 : November_66
- Track 247 : Fefferhead_64
- Track 248 : Amgine_65
- Track 249 : Yuna_71
- Track 250 : Krueger_71
- Track 251 : Aminay_66
- Track 252 : Boilgate_63
- Track 253 : Rose5_30, Acquire49_30, Enceladus_30, OhShagHennessy_30, Calm_30, CicholasNage_30, Zaria_30, Wamburggrxpress_30, JoeDirt_30, LeBron_30, Halena_30, MAckerman_30, Wyatt2_30, Appletree2_30, UPIE_30, AvadaKedavra_30, Silverleaf_30
- Track 254 : DirkDirk_30, Tyson_30
- Track 255 : Poochiewood_30
- Track 256 : Gardann_32, Netyap_32, Winky_32, Faith1_32, Vetric_32, Crossroads_32, Miley16_32, Gabriela_32, DrSeegs_32, Finemlucis_32, Breezona_32, MkaliMitinis3_32, Itos_32, Wilder_32, Loadrie_32, BigCheese_32, BobsGarage_32, GuuelaD_32, Wigglewiggle_32, Nicholasp3_32
- Track 257 : Tourach_32
- Track 258 : Lewan_32, Rumpelstiltskin_32, Underpass_32, Soap141_32, SoJulia_33, Hafay_32, Sarshaun_32, Kahlid_32
- Track 259 : Archie_32, Bazzle_32
- Track 260 : Claus_32, DHan_32
- Track 261 : Baoshan_31, ZhongYanYuan_31, DanBing_31
- Track 262 : Zakai_32
- Track 263 : LilDestine_32
- Track 264 : DuncansLeg_31, LiyuLake_31, Ellson_31
- Track 265 : Samty_31, Finnry_31, Clautastrophe_31, Kingsolomon_31, Nicholas_31, Lumos_31, MiniLon_31, MiniMac_31, Snenia_31, MsGreen_31, Lolly9_31, Jubie_31, Bellis_31
- Track 266 : TriFive_31, Red305_31
- Track 267 : KirDoubleO7_29, BourbonZero_30
- Track 268 : Moostard_31, Jobypre_31
- Track 269 : Whirlwind_32
- Track 270 : Krypton555_31
- Track 271 : Bromden_32
- Track 272 : Kropertea_30, Chaser_30, DyoEdafos_31
- Track 273 : Douge_30
- Track 274 : FarmResident_30, Quby_30
- Track 275 : PYPDinur_30, BrainDrainer_31, Sheng711_30, Douzhi_30
- Track 276 : Aegeus_33, Baudelaire_33
- Track 277 : TyDawg_39, Skinny_40, LilhomieP_38, Diminimus_40, Glaske16_40, Bongo_39, Dulcita_40, Bricole_39, IPhane7_39, PegLeg_39
- Track 278 : FreakyGoo_40, Auspice_39, SlimJimmy_38, Izel_39, KleverKiS_40
- Track 279 : Reindeer_39
- Track 280 : Rey_44
- Track 281 : GenevaB15_44, Aziz_44

- Track 282 : MrMagoo_44, GardenSalsa_44
- Track 283 : Estes_45
- Track 284 : Nanosmite_44
- Track 285 : Panchino_48, Butters_53, Rubeelu_53, Kevin1_52
- Track 286 : BabeRuth_56, ShrimpFriedEgg_55, Jamie19_49, Redi_55, Andies_48, PhancyPhin_55, SpongeBob_49, Phrann_52, Nенаe_55, Raymond7_49, Hanako_55, Purgamenstris_55, Tapioca_52, Snekmaggedon_49
- Track 287 : Phloss_48, Tortoise12_50, Gex_50, Fulbright_49, Schnauzer_51, EGunicorn_51, Magsby_50, Xerxes_50, Pipsqueaks_50, Duplicity_50, Carcharodon_50, Melville_53, Parmesanjohn_50, Smurph_50, Silvafighter_51, Chewbacca_52
- Track 288 : Shweta_51
- Track 289 : Charlie_51, Bosection6_51
- Track 290 : Riparian_40, Weiss13_40, Rope_40, Papyrus_40
- Track 291 : Zenon_41, Yelo_40, Send513_40, Candle_40, Nilo_41
- Track 292 : MontyDev_40
- Track 293 : Cosmo_53, Azrael100_52, EniyanLRS_50, MaryV_53, Wildcat_53
- Track 294 : Kumao_40
- Track 295 : Footloose_59
- Track 296 : Juicebox_39
- Track 297 : P1201_68
- Track 298 : BFK20_ORF53
- Track 299 : DS6A_74
- Track 300 : EmiRose_45
- Track 301 : Yappy_50
- Track 302 : Mbo4_60

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

The start number called the most often in the published annotations is 93, it was called in 185 of the 845 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_39, ABCat_36, Acquire49_30, Adnama_40, Amao_37, AmericanBeauty_39, Appletree2_30, Archie_32, Argent26_39, Asriel_36, AvadaKedavra_30, BadStone_36, Balomoji_36, Barbarian_36, Bask21_37, Bazzle_32, Becksu_37, Bellis_31, Bench_39, BigBubba_38, BigCheese_32, BilboSwaggins_37, BobsGarage_32, Breezona_32, Bromden_32, Bruin_37, Buck_36, BugsBunny_35, Cactus_38, Calm_30, Chaser_30, ChosenOne_37, ChotaBhai_37, CicholasNage_30, Cjw1_37, Clautastrophe_31, Command613_38, Contagion_36, Cookies_37, Crossroads_32, CrystalP_37, Czyszczonek1_38, Daikon_36, Dartin_69, DoctorDiddles_37, Douge_30, DrDrey_38, DrSeegs_32, Dumbo_37, DuncansLeg_31, Dusk_36, DyoEdafos_31, Easy2Say_39, Elite2014_36, Ellson_31, Elph10_38, Emmina_38, Enceladus_30, Faith1_32, Filch_38, Finemlucis_32, Finnry_31, FireRed_37, Flypotenuse_35, FoghornLeghorn_36, Gabriela_32, Gage_39, Gardann_32, Gator_35, Gemini_40, Glexan_35, GoldenSpark_39, Goldilocks_38, GooberAzure_39, GuuelaD_32, Halena_30, HanKaySha_38, Harella_36, Henry_38, Highbury_38, Holt_38, Hoonter_39, Hopey_39, HuffyPuff_36, Icee_36, Inca_36, Itos_32, JeTaime_39, JoeDirt_30, Jubie_31, Kanye_39, Kimchi_39, Kingsolomon_31, Kostya_38, Kropertea_30, Krypton555_31, LeBron_30,

LilDestine_32, Lilac_39, Lilizi_39, Lilpickle_36, LiyuLake_31, Loadrie_32, Lolly9_31, Lumos_31, MAckerman_30, MISSy_36, MPhalcon_36, MadamMonkfish_37, Manda_38, Marshmallow_37, Maxxinista_38, McMater_69, Miley16_32, Mindy_37, MiniLon_31, MiniMac_31, Miniwave_37, Misfit_37, MkaliMitinis3_32, Moldemort_38, Mosby_36, MsGreen_31, Murica_36, Murphy_38, Myrale_37, Nala_37, NelitzaMV_37, Netyap_32, Nicholas_31, Nicholasp3_32, Niklas_69, Nimrod_37, NoSleep_38, OhShagHennessy_30, OrionPax_38, Palpatine_37, Paperbeatsrock_39, Pat3_36, Peanam_69, Petra64142_39, Pharsalus_38, PhatBacter_37, Phaux_36, Phrux_37, Policronamos_37, Poochiewood_30, Porky_37, Pumpkin_39, Quallification_38, Rakim_38, Rey_44, Richo_69, Rimmer_36, RiverMonster_37, Rose5_30, Saints25_38, Samty_31, Sassay_36, ShamWow_37, Shaobing_69, Silverleaf_30, Simpliphy_38, SirDuracell_36, Snenia_31, SophKB_37, Sotrice96_37, Stank_40, Stark_38, StellaBean_37, StolenFromERC_39, StormChicken_37, TBrady12_39, Tarkin_39, TeardropMSU_36, Teaspoon_38, Terminus_37, Thimble_37, Thresher_38, Tomaszewski_36, Toto_37, Tourach_32, Traaww1_35, Tuco_38, UPIE_30, Ukulele_37, Validus_71, Vetrix_32, Wamburgrxpress_30, Whirlwind_32, Wiggin_40, Wigglewiggie_32, Wilder_32, Willez_36, Winky_32, Wyatt2_30, Xandras_39, YassJohnny_38, Youngblood_37, Zakai_32, Zaria_30, xkcd_38,

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

- Aegeus_33, Baoshan_31, Baudelaire_33, BourbonZero_30, BrainDrainer_31, Claus_32, DHan_32, DanBing_31, DirkDirk_30, Douzhi_30, FairyPath_37, FarmResident_30, Hafay_32, IHOP_37, Jobypre_31, Kahlid_32, KirDoubleO7_29, Lewan_32, Moostard_31, PYPDinur_30, Phaja_37, Quby_30, Red305_31, Rumpelstiltskin_32, Sarshaun_32, Sheng711_30, ShereKhan_39, SoJulia_33, Soap141_32, TriFive_31, Tyson_30, Underpass_32, ZhongYanYuan_31,

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

- A3Wally_20, A3Wally_218, A3Wally_373, A6_54, AEgle_32, AFIS_58, AGrandiflora_34, Abbyshoes_63, Abrogate_610, Abscondus_124, Acme_64, ActinUp_66, AddiRose_51, Adephagia_66, Adolin_32, Adonis_66, Adumb2043_32, Aeneas_65, Agaliana_56, Agent47_60, Ageofdapage_70, Aikoy_52, Ajay_62, Alatin_45, AlishaPH_66, AlleyCat_62, Alpacados_45, Alsfro_68, Altman_64, Alvin_62, Amelie_55, Amgine_65, Aminay_66, Amohnition_66, Amyev_33, Anaya_69, Andies_48, Angelica_66, Anglerfish_62, AngryOrchard_44, AnnabelLee_3, Aphelion_125, Apocalypse_69, AppleCloud_43, Applecrisp_65, Applejack_60, Arcanine_64, Ariel_51, Asa16_34, Asayake_66, Ascela_34, Ashballer_65, Ashes_31, Atiba_67, Atkinbua_64, Atuin_102, Audell_6, Auspice_39, Aziz_44, Azrael100_52, BAKA_56, BEEST_66, BFK20_ORF53, BGIlluviae_66, BK1_54, BPBiabs31_64, BabeRuth_56, BaboJay_37, Bachita_128, BaconJack_66, BaghaKamala_66, Bagrid_51, Banquo_62, Bantam_85, BarnCat_46, Barnstormer_41, BarrelRoll_67, Barriga_65, BarrowTuph_62, Beaupre_32, Beem_52, BeesKnees_64, Beezoo_68, Belenaria_46, Bella96_67, Belladonna_66, Bern_68, Berrie_34, Bethlehem_61, Big3_63, Big4_20, Big4_204, Big4_346, BigPaolini_59, Bigchungie_60, Bigfoot_54, Binglebops_55, Bircsak_61, Blizzard_66, Bloom_112, Blue_61, BobbyDazzler_46, Bobby_51, Bobquesha_71, Boiiii_66, Boilgate_63, Bombitas_49, Bonanza_46, Bongo_39, BoostSeason_69, Bosection6_51, Bradshaw_46, Bricole_39, BrutonGaster_100, Bryce_45, Bryler_70, Burton_63, Butters_53, Buttons_59, Bxb1_56, C3PO_50, CREW_66, CactusRose_62, Cain_70, CallaLilly_68, Candle_40, Cappuccino_31, Capricorn_66, Carcharodon_50, Cardigan_134, Caron_44, CaseJules_68, Cassia_34, Cassita_54, Catfish_63, Cece_195, Cen1621_38, Chanagan_56, Chancellor_70, Charlie_51, Chavito_69,

CheetoDust_66, Cheetobro_70, CherryTomatoes_78, Chewbacca_52, Chilliams_107, Chris_69, Ciao_60, Clipper_71, ClubL_125, Collard_58, Community_34, ConceptII_64, Constella_44, Corvo_63, CosmicSans_46, Cosmo_53, Count_87, Courthouse_51, Crewmate_37, CrimD_68, Cruella_50, Cucurbita_126, Culver_125, Curiosium_70, Cyan_33, DD5_60, DS6A_74, Daddyjeff_52, Dadosky_62, Dallas_54, Dalmuri_66, Dardanus_57, Daredevil_75, DarthP_66, Darwin_54, DatBoi_82, Deby_67, Devera_74, Dexes_62, Diminimus_40, Dinger_45, DinoDaryn_63, DismalFunk_69, DismalStressor_69, DmpstrDiver_53, Dodo_21, Dodo_218, Dodo_371, Dole_72, Donkey_31, Doom_60, Doughnut_70, Dove_49, DrFeelGood_58, DrHayes_67, DrManhattan_32, DrSierra_32, Dreamboat_63, Duke13_55, Dulcie_62, Dulcita_40, DunneganBoMo_101, Duplicity_50, Durfee_66, Dussy_62, Dusty_121, Dynamix_64, EGUunicorn_51, EdogawaKiddo_56, Edtherson_61, Edugator_59, Eevee_51, Efra2_72, Ejimix_52, Ekdilam_63, Elezi_34, Ellewin_99, Ellie_62, Emerson_68, EmiRose_45, Engineer_127, EniyanLRS_50, Enkosi_57, EnzoK_61, Eponine_72, Eraser_34, EricMillard_52, Erik_46, Espica_46, Espresso_59, Estes_45, Euphoria_60, Eureka_38, Fajezeel_63, Fascinus_56, Fefferhead_64, Feyre_63, Findley_69, Fionnbharth_70, Floof_43, Footloose_59, Francis47_60, FreakyGoo_40, Froghopper_60, Fryberger_117, Fulbright_49, Fushigi_58, GageAP_63, Gambol_31, Gandalf20_64, Ganymede_66, GardenSalsa_44, GardenState_42, Geeche_123, GenevaB15_44, Gengar_60, Geraldini_69, Gex_50, Giorgio_31, Glaske16_40, Goib_64, Goku_38, GoldenEssence_97, Gollum_46, Gompeii16_61, Gonephishing_53, Graduation_66, GrecoEtereo_61, Greely_81, Greg_63, Gretchen_42, Gspu1_55, Guanica15_71, Guey18_121, Guillsminger_61, Gumpizza_31, Gwendoluna_65, Gyzlar_57, Halley_52, Halsey_31, Hami1_57, Hammy_66, Hanako_55, Hannaconda_48, Hanray_56, Harlequin_45, HarryOW_60, HedwigODU_66, Heftyboy_61, Hermia_60, Hiro_46, HokkenD_45, Holecx_57, Homines_54, Homura_66, Honk_39, Hope4ever_63, Huffy_63, Hughesyang_50, Hurricane_68, Hyperbowlee_66, IAmGroot_42, ILeeKay_64, IPhone7_39, Ichabod_66, Illumine_72, Indlulamithi_37, Inky_66, InvictusManeo_58, Inyanga_57, Iqorha_57, Iter_34, IttyBittyPiggy_33, Izel_39, JAWS_67, JC27_65, JF1_70, JackSparrow_64, Jamie19_49, Janeemi_35, Jarvi_66, Jasper_62, Jayhawk_68, Jeckyll_66, Jerm2_64, Jester_45, Joemato_33, JohnDoe_33, JonJames_133, Jorgensen_65, Joy99_66, JoyLin_51, Jstan_36, Juicebox_39, JuicyJay_54, JuliaChild_63, Juliette_72, JuneStar_33, KSSJEB_62, KSunshine22_102, Kalah2_52, Kalimba_31, Kanely_63, KashFlow_45, Kaylissa_33, KeAlii_33, Keelan_118, Kenmech_65, Kevin1_52, Khuang_61, KiSi_71, Kimchi1738_51, Klein_52, KleverKiS_40, Kratio_58, Kraw_71, Krishelle_46, Krueger_71, Kumao_40, Kumotta_57, KyMonks1A_65, Lamina13_66, Larva_61, LastHope_71, LaterM_67, LeMond_70, Lea83_69, Lebo14_71, LeeroyJenkins_54, Lego_33, LeoJr_107, Leopard_52, Lesedi_58, Leston_60, Levia_57, Licorice_63, Liebe_36, Lifes_48, LilBib_62, LilPharaoh_56, LilhomieP_38, Lillie_46, LindNT_66, LittleE_56, Lizalica_32, Llorens_66, Lockley_59, London_34, Lopton_60, Lozinak_125, Lucky2013_51, Lunahalos_66, LunarLander_64, MaGuCo_34, Mabodamaca_42, MacKat_62, MacnCheese_70, Magnar_60, Magnito_60, Magsby_50, Makemake_64, Malthus_71, Manatee_62, Marcell_58, Marchy_56, Marco3_64, Marcoliusprime_69, MargaretKali_53, Marge_59, MarkPhew_69, Marleymoo_53, Maroc7_59, Marshawn_66, MaryBeth_60, MaryV_53, Maureen_36, Mbo4_60, McSinger_59, Mdavu_56, MeaningOfLife_67, Megsy_69, Melville_53, MetalQZJ_59, MiaZeal_51, Michley_65, Milly_69, Mimi_108, Minerva_58, Miryou_64, Miskis_124, MissAmericana_7, MissDaisy_67, MissSwiss_32, Mitti_70, Mkhuseleli_58, Mollymur_85, MontyDev_40, Moss_31, MrGordo_64, MrMagoo_44, Mryolo_58, Mudpuppy_32, Mufasa_69, Mule_59, Murucutumbu_68, Mynx_68, Myrna_77, Mysterium_31, NEHalo_59, Naiad_45, Nancinator_46, Nanosmite_44,

Natosaleda_45, Neighly_62, Nekros_50, Nenae_55, Nerujay_64, Nibb_69, NihilNomen_51, Nikao_58, Nilo_41, Niobe_34, Nitro_33, Niza_64, Norvs_124, Norz_62, November_66, Nutello_55, ObiToo_36, Odette_52, Ohno789_62, OkiRoe_61, Omega_56, Omnicron_64, OneUp_110, Onyinye_53, Optimus_57, Oscar_70, P1201_68, PSullivan_60, PacerPaul_61, Padfoot_66, Padpat_69, Panchaali_104, Panchino_48, Paola_60, Papez_64, Papyrus_40, Paraselene_60, Pari_65, ParmesanJohn_50, Partridge_45, PascalRango_60, Patbob_109, Patt_66, PattyP_64, PauloDiaboli_20, PauloDiaboli_218, PauloDiaboli_375, Payneful_60, Peel_66, PegLeg_39, Pelly_63, Pepe_60, Percival_43, Perseus_61, Peterson_66, PeteyPab_51, Petruchio_62, Phabba_83, PhailMary_45, PhancyPhin_55, Pharb_67, PhelpsODU_68, PherrisBueller_61, PhineBark_61, PhinkBoden_125, Phives_35, Phippers_58, Phloss_48, Phoebus_51, Phrampa_103, Phrank_70, Phrankenstein_46, Phrann_52, PhrostyMug_62, Piatt_66, PinkPlastic_62, Pinto_62, Pippin15_52, Pippin_62, Pipsqueaks_50, Pita2_63, Pixelle_33, Pixie_67, Pokerus_66, Porcelain_50, PotatoChip_52, Pound_54, Powerpuff_35, Prithvi_68, Psycho_60, Pumpnickel_201, Pumpkins_33, Pupper_77, Purgamenstris_55, QTRLifeCrisis_62, QuincyRose_64, RER2_39, RGL3_40, Racecar_109, Rajelicia_62, Ramen_67, Rando14_62, Rapunzel97_68, Rasputin_46, Raymond7_49, Rearden_46, Redi_55, Redno2_50, Reedo_32, ReginaGlobina_107, Reindeer_39, Reptar3000_67, RexFury_45, Rhodalysa_46, Rhynn_60, RidgeCB_61, Ringer_62, Riparian_40, RockScotty_31, Rockabye_113, Ronaldo_118, Rope_40, Rosmarinus_66, Rubeelu_53, Rubeus_60, Rufus_63, Ruotula_64, Rutherford_64, Ruthiejr_71, SCentae_76, SJReid_115, STLscum_70, Sabourin_32, Sagefire_64, SamScheppers_68, SamuelLPlaqson_67, Sandaddy_58, Sanya_57, SarFire_61, Scarlett_71, Schatzie_49, Schmidt_57, Schnauzer_51, ScoobyDoobyDoo_73, Send513_40, Serenabean_52, SgtBeansprout_56, Shaboozey_44, Shadow1_71, Shaffner_34, ShedlockHolmes_69, ShiaSurprise_67, ShortQueendom_54, ShrimpFriedEgg_55, Shuman_46, Shweta_51, Silvafighter_51, Simpson_35, SirPhilip_66, Skinny_40, Skog_140, Slagathor_64, Slarp_70, SlimJimmy_38, Slimphazie_67, Smairt_64, Smeagol_64, Smoothie_126, Smurph_50, Snazzy_60, Snek_33, Snekmaggedon_49, SoSeph_61, Solon_61, Sooty_31, Sorpresa_59, SpecialK_31, SpeedDemon_860, SpikeBT_60, Splinter_63, Spock_66, SpongeBob_49, Squint_50, StCroix_45, StewieG_57, Stickynote_52, Stinson_68, Strobilo_70, Stuck_67, Stuu_32, SuMoo_44, Subaru_35, Sue2_34, Sulley_66, Sumter_58, Sunflower1121_72, Sunshine924_67, Superphikiman_51, Swann_46, Sweetclover_49, Swole_63, Syra333_70, TBond007_64, TClif_68, TM4_67, TMaxx_3, TWAMP_46, TZGordon_64, Tachez_66, TaiwanKao_69, Takoda_46, Talia1610_108, Tallboi_33, Tapioca_52, Taquito_69, Target_64, Tbone_32, Teejan_57, Teodoridan_60, TforTroy_34, TheloniousMonk_65, Thibault_45, Thonko_81, Thor_61, ThreeRngTarjay_50, Thyatira_63, Tian_33, Tierra_70, TinaLin_62, TingHuaYa_70, TiniBug_67, Tiri_67, Toniann_125, Topper_66, Torres_57, Tortoise12_50, Tote_58, Towmatter_78, Traft412_64, TreyKay_68, TripleTrouble_68, Trip13t_65, TruffulaTree_67, Tuck_36, Turab_32, Turj99_60, Tutumahutu_33, Tweety19_33, Twitch_66, TwoPeat_63, TyDawg_39, UhSalsa_46, Unicorn_68, Urkel_67, UtzChips_41, VResidence_33, Veliki_68, Vendetta_63, Violet_60, ViviJ_58, Volt_121, WaddleDee_101, Wanda_58, Warda_33, WaterT_52, Waterfoul_62, Weiss13_40, Wheeler_64, Wildcat_53, Wildwest_33, WilliamBoone_123, Wintermute_70, Xerxes_50, Ximenita_72, Y10_67, Y2_67, Yang_33, Yappy_50, Yeet_50, Yelo_40, YesChef_33, Yogi_45, Yoncess_45, Yotsuba_51, YoureAdopted_66, Yuna_71, Yunkel11_71, Yvonnetastic_129, Zabiza_61, Zavala_69, Zelink_53, Zenon_41, Zeta1847_35, Ziko_119, Zion_52, ZoeJ_68, Zooman_18, Zooman_185, Zooman_331,

Summary by start number:

Start 48:

- Found in 4 of 987 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 845
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Amgine_65 (K6),

Start 49:

- Found in 17 of 987 (1.7%) of genes in pham
- Manual Annotations of this start: 1 of 845
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Krueger_71 (K6),

Start 62:

- Found in 12 of 987 (1.2%) of genes in pham
- Manual Annotations of this start: 2 of 845
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Snek_33 (AZ3), Tweety19_33 (AZ3),

Start 68:

- Found in 12 of 987 (1.2%) of genes in pham
- Manual Annotations of this start: 5 of 845
- Called 41.7% of time when present
- Phage (with cluster) where this start called: Atkinbua_64 (A1), Makemake_64 (A1), Pinto_62 (A1), RidgeCB_61 (A1), Rufus_63 (A1),

Start 69:

- Found in 131 of 987 (13.3%) of genes in pham
- Manual Annotations of this start: 27 of 845
- Called 20.6% of time when present
- Phage (with cluster) where this start called: Acme_64 (A1), Aeneas_65 (A1), Anglerfish_62 (A1), BPBiabs31_64 (A1), Bethlehem_61 (A1), Buttons_59 (A1), Dynamix_64 (A1), Espresso_59 (A1), Fajezeel_63 (A1), Fascinus_56 (A1), Fushigi_58 (A1), Greg_63 (A1), HarryOW_60 (A1), KSSJEB_62 (A1), Kenmech_65 (A1), Lamina13_66 (A1), Manatee_62 (A1), Maroc7_59 (A1), PacerPaul_61 (A1), Papez_64 (A1), PattyP_64 (A1), PhrostyMug_62 (A1), Pippin_62 (A1), Pita2_63 (A1), Rhynn_60 (A1), Rutherford_64 (A1), SarFire_61 (A1),

Start 71:

- Found in 143 of 987 (14.5%) of genes in pham
- Manual Annotations of this start: 99 of 845
- Called 79.7% of time when present
- Phage (with cluster) where this start called: A6_54 (A1), AFIS_58 (A1), Abbyshoes_63 (A1), Agaliana_56 (A1), Ajay_62 (A1), Alsfro_68 (A1), Altman_64 (A1), Alvin_62 (A1), Arcanine_64 (A1), Ashballer_65 (A1), BK1_54 (A1), BaconJack_66 (A1), Barriga_65 (A1), BarrowTuph_62 (A1), BeesKnees_64 (A1), Big3_63 (A1), BigPaolini_59 (A1), Bigchunggi_60 (A1), Bigfoot_54 (A1), Bircsak_61 (A1), Burton_63 (A1), Bxb1_56 (A1), CactusRose_62 (A1), Chanagan_56 (A1), Ciao_60 (A1), ConceptII_64 (A1), Corvo_63 (A1), DD5_60 (A1), Dexes_62 (A1), Doom_60 (A1), Dreamboat_63 (A1), Dussy_62 (A1), Edtherson_61 (A1), EnzoK_61 (A1), Euphoria_60 (A1), Francis47_60 (A1), Froghopper_60 (A1), GageAP_63 (A1), Gandalf20_64 (A1), Gompeii16_61 (A1), Graduation_66 (A1), GrecoEtereo_61 (A1),

Hami1_57 (A1), Hermia_60 (A1), Homines_54 (A1), Hope4ever_63 (A1), ILeeKay_64 (A1), Ichabod_66 (A1), Inyanga_57 (A1), Iqorha_57 (A1), JC27_65 (A1), Jasper_62 (A1), Jerm2_64 (A1), Jorgensen_65 (A1), JuliaChild_63 (A1), Kanely_63 (A1), Lesedi_58 (A1), Levia_57 (A1), Licorice_63 (A1), LilBib_62 (A1), Lockley_59 (A1), LunarLander_64 (A1), Marcell_58 (A1), Marchy_56 (A1), Marco3_64 (A1), Marge_59 (A1), MaryBeth_60 (A1), McSinger_59 (A1), MetalQZJ_59 (A1), Michley_65 (A1), MrGordo_64 (A1), Mule_59 (A1), NEHalo_59 (A1), Nerujay_64 (A1), Niza_64 (A1), Norz_62 (A1), Ohno789_62 (A1), PSullivan_60 (A1), Paraselene_60 (A1), Pari_65 (A1), PascalRango_60 (A1), Payneful_60 (A1), Pelly_63 (A1), Pepe_60 (A1), Perseus_61 (A1), Peterson_66 (A1), Petruccio_62 (A1), PherrisBueller_61 (A1), PhineBark_61 (A1), Phlippers_58 (A1), PinkPlastic_62 (A1), QTRlifeCrisis_62 (A1), Rajelicia_62 (A1), Sagefire_64 (A1), ShortQueendom_54 (A1), Slagathor_64 (A1), Smairt_64 (A1), Smeagol_64 (A1), Snazzy_60 (A1), Solon_61 (A1), SpikeBT_60 (A1), StewieG_57 (A1), Sumter_58 (A1), Sunshine924_67 (A1), Swole_63 (A1), Target_64 (A1), Teodoridan_60 (A1), TheloniousMonk_65 (A1), Thor_61 (A1), Tote_58 (A1), Turj99_60 (A1), TwoPeat_63 (A1), Violet_60 (A1), Wheeler_64 (A1),

Start 72:

- Found in 2 of 987 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 845
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cen1621_38 (EH),

Start 73:

- Found in 3 of 987 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 845
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Yappy_50 (singleton),

Start 74:

- Found in 7 of 987 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 845
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Adumb2043_32 (AZ1), IttyBittyPiggy_33 (AZ1), KeAlii_33 (AZ1), Shweta_51 (N), Tallboi_33 (AZ1), Turab_32 (AZ1),

Start 75:

- Found in 2 of 987 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 845
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BrutonGaster_100 (CQ2), OneUp_110 (CQ2),

Start 76:

- Found in 67 of 987 (6.8%) of genes in pham
- Manual Annotations of this start: 59 of 845
- Called 98.5% of time when present
- Phage (with cluster) where this start called: AGrandiflora_34 (AZ1), Andies_48 (N), Ascela_34 (AZ1), BabeRuth_56 (N), Berrie_34 (AZ1), Bosection6_51 (N), Butters_53 (N), Carcharodon_50 (N), Cassia_34 (AZ1), Charlie_51 (N), Chewbacca_52 (N), Community_34 (AZ1), Cyan_33 (AZ1), DrSierra_32 (AZ1), Duplicity_50 (N), EGunicorn_51 (N), Fulbright_49 (N), Gex_50 (N), Hanako_55 (N), Iter_34 (AZ1), Jamie19_49 (N), Janeemi_35 (AZ1), Joemato_33 (AZ1), JohnDoe_33 (AZ1),

JuneStar_33 (AZ1), Kaylissa_33 (AZ1), Kevin1_52 (N), Lego_33 (AZ1), Lizalica_32 (AZ1), Magsby_50 (N), Melville_53 (N), Nenae_55 (N), Nitro_33 (AZ1), Panchino_48 (N), Parmesanjohn_50 (N), PhancyPhin_55 (N), Phives_35 (AZ1), Phloss_48 (N), Phrann_52 (N), Pipsqueaks_50 (N), Powerpuff_35 (AZ1), Pumpkins_33 (AZ1), Purgamenstris_55 (N), Raymond7_49 (N), Redi_55 (N), Rubeelu_53 (N), Schnauzer_51 (N), Shaffner_34 (AZ1), ShrimpFriedEgg_55 (N), Silvafighter_51 (N), Simpson_35 (AZ1), Smurph_50 (N), Snekmaggon_49 (N), SpongeBob_49 (N), Sue2_34 (AZ1), Tapioca_52 (N), Tbone_32 (AZ1), TforTroy_34 (AZ1), Tortoise12_50 (N), Tuck_36 (AZ1), Tutumahutu_33 (AZ1), Warda_33 (AZ1), Wildwest_33 (AZ1), Xerxes_50 (N), Yang_33 (AZ1), YesChef_33 (AZ1),

Start 77:

- Found in 159 of 987 (16.1%) of genes in pham
- Manual Annotations of this start: 9 of 845
- Called 6.3% of time when present
- Phage (with cluster) where this start called: Amyev_33 (AZ1), Crewmate_37 (AZ1), Gwendoluna_65 (A1), Gyzlar_57 (A1), Lopton_60 (A1), Mudpuppy_32 (AZ1), ObiToo_36 (AZ1), Pixelle_33 (AZ1), Rubeus_60 (A1), Tian_33 (AZ1),

Start 78:

- Found in 11 of 987 (1.1%) of genes in pham
- Manual Annotations of this start: 10 of 845
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DrFeelGood_58 (A1), Dulcie_62 (A1), KyMonks1A_65 (A1), Magnar_60 (A1), Magnito_60 (A1), Mryolo_58 (A1), Ruotula_64 (A1), Sandaddy_58 (A1), Sorpresa_59 (A1), Traft412_64 (A1), Tripl3t_65 (A1),

Start 79:

- Found in 17 of 987 (1.7%) of genes in pham
- Manual Annotations of this start: 11 of 845
- Called 64.7% of time when present
- Phage (with cluster) where this start called: Bongo_39 (M1), Bricole_39 (M1), Diminimus_40 (M1), Dulcita_40 (M1), Glaske16_40 (M1), IPhone7_39 (M1), LilhomieP_38 (M1), PegLeg_39 (M1), Reindeer_39 (M1), Skinny_40 (M1), TyDawg_39 (M1),

Start 80:

- Found in 1 of 987 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 845
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Reedo_32 (AZ1),

Start 81:

- Found in 22 of 987 (2.2%) of genes in pham
- Manual Annotations of this start: 13 of 845
- Called 86.4% of time when present
- Phage (with cluster) where this start called: Abscondus_124 (CQ1), Aphelion_125 (CQ1), Bantam_85 (DL), Cardigan_134 (DD), ClubL_125 (CQ1), Culver_125 (CQ1), Daredevil_75 (DL), DatBoi_82 (DL), Dusty_121 (CQ1), Geeche_123 (CQ1), JonJames_133 (DD), Lozinak_125 (CQ1), Miskis_124 (CQ1), Mollymur_85 (DL), Norvs_124 (CQ1), Smoothie_126 (CQ1), SpeedDemon_860 (DL), Towmatter_78 (DL), Yvonnestic_129 (DD),

Start 82:

- Found in 55 of 987 (5.6%) of genes in pham
- Manual Annotations of this start: 47 of 845
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alatin_45 (CA), Alpacados_45 (CA), AngryOrchard_44 (CA), AppleCloud_43 (CA), Ashes_31 (AZ5), Beaupre_32 (AZ5), Belenaria_46 (CA), BobbyDazzler_46 (CA), Bonanza_46 (CA), Bradshaw_46 (CA), Bryce_45 (CA), Cappuccino_31 (AZ5), CosmicSans_46 (CA), Dinger_45 (CA), Donkey_31 (AZ5), Erik_46 (CA), Espica_46 (CA), Floof_43 (EH), Gambol_31 (AZ5), Giorgio_31 (AZ5), Gollum_46 (CA), Gumpizza_31 (AZ5), Halsey_31 (AZ5), Harlequin_45 (CA), Hiro_46 (CA), Jester_45 (CA), Kalimba_31 (AZ5), Krishelle_46 (CA), Lillie_46 (CA), Moss_31 (AZ5), Mysterium_31 (AZ5), Naiad_45 (CA), Nancinator_46 (CA), Natosaleda_45 (CA), Partridge_45 (CA), PhailMary_45 (CA), Phrankenstien_46 (CA), RER2_39 (CA), RGL3_40 (CA), Rasputin_46 (CA), RexFury_45 (CA), Rhodalysa_46 (CA), RockScotty_31 (AZ5), Sabourin_32 (AZ5), Shuman_46 (CA), Sooty_31 (AZ5), SpecialK_31 (AZ5), StCroix_45 (CA), Stuu_32 (AZ5), Swann_46 (CA), TWAMP_46 (CA), Takoda_46 (CA), UhSalsa_46 (CA), Yogi_45 (CA), Yoncess_45 (CA),

Start 83:

- Found in 18 of 987 (1.8%) of genes in pham
- Manual Annotations of this start: 15 of 845
- Called 88.9% of time when present
- Phage (with cluster) where this start called: BFK20_ORF53 (singleton), Bachita_128 (CQ1), Banquo_62 (CU1), Cucurbita_126 (CQ1), Dardanus_57 (CU3), DinoDaryn_63 (CU1), Engineer_127 (CQ1), Goib_64 (CU1), Huffy_63 (CU1), PhinkBoden_125 (CQ1), Splinter_63 (CU1), TZGordon_64 (CU1), TinaLin_62 (CU1), Toniann_125 (CQ1), Vendetta_63 (CU1), WilliamBoone_123 (CQ1),

Start 84:

- Found in 1 of 987 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 845
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Juicebox_39 (singleton),

Start 85:

- Found in 1 of 987 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 845
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EmiRose_45 (singleton),

Start 86:

- Found in 44 of 987 (4.5%) of genes in pham
- Manual Annotations of this start: 38 of 845
- Called 97.7% of time when present
- Phage (with cluster) where this start called: Aminay_66 (K7), Bobquesha_71 (K4), Boilgate_63 (K8), C3PO_50 (EN), Candle_40 (R), Chancellor_70 (K4), Cheetobro_70 (K4), Count_87 (EL), Cruella_50 (EN), Darwin_54 (EN), Eponine_72 (K4), Fionnbharth_70 (K4), JF1_70 (K4), Juliette_72 (K4), Kimchi1738_51 (EN), Kraw_71 (K4), Kumao_40 (singleton), Lebo14_71 (K4), Malthus_71 (K4), Mitti_70 (K4), MontyDev_40 (R), Nilo_41 (R), P1201_68 (singleton), Papyrus_40 (R), Patt_66 (K4), PeteyPab_51 (EN), PotatoChip_52 (EN), Reptar3000_67 (K4), Riparian_40 (R), Rope_40 (R), Ruthiejr_71 (K4), SamScheppers_68 (K4), Send513_40 (R), Slarp_70

(K4), Stickynote_52 (EN), Taquito_69 (K4), Weiss13_40 (R), Wintermute_70 (K4), Y10_67 (K4), Y2_67 (K4), Yelo_40 (R), Zenon_41 (R), Zion_52 (EN),

Start 87:

- Found in 5 of 987 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 845
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abrogate_610 (A1), AnnabelLee_3 (FR), Applejack_60 (A1), Ringer_62 (A1), STLscum_70 (A1),

Start 88:

- Found in 14 of 987 (1.4%) of genes in pham
- Manual Annotations of this start: 11 of 845
- Called 78.6% of time when present
- Phage (with cluster) where this start called: Barnstormer_41 (EH), Caron_44 (EH), GardenState_42 (EH), Gretchen_42 (EH), Honk_39 (EH), IAmGroot_42 (EH), Mabodamaca_42 (EH), Percival_43 (EH), SuMoo_44 (EH), UtzChips_41 (EH), Zeta1847_35 (EH),

Start 89:

- Found in 1 of 987 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 845
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Indlulamithi_37 (AC),

Start 90:

- Found in 10 of 987 (1.0%) of genes in pham
- Manual Annotations of this start: 3 of 845
- Called 40.0% of time when present
- Phage (with cluster) where this start called: BaboJay_37 (E), Eureka_38 (E), Goku_38 (E), Mbo4_60 (singleton),

Start 91:

- Found in 23 of 987 (2.3%) of genes in pham
- Manual Annotations of this start: 18 of 845
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AEgle_32 (AZ1), AddiRose_51 (JA), Adolin_32 (AZ1), Asa16_34 (AZ1), Audell_6 (FR), Daddyjeff_52 (JA), DrManhattan_32 (AZ1), Eevee_51 (JA), Elezi_34 (AZ1), Eraser_34 (AZ1), Footloose_59 (singleton), JoyLin_51 (JA), Jstan_36 (AZ1), Kumotta_57 (FB), London_34 (AZ1), MargaretKali_53 (FB), MissAmericana_7 (EM2), Niobe_34 (AZ1), Pippin15_52 (JA), Serenabean_52 (JA), Subaru_35 (AZ), Sweetclover_49 (JA), Yotsuba_51 (JA),

Start 92:

- Found in 8 of 987 (0.8%) of genes in pham
- Manual Annotations of this start: 7 of 845
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hurricane_68 (K3), Lea83_69 (K3), MacnCheese_70 (K3), Pharb_67 (K3), Pixie_67 (K3), ShedlockHolmes_69 (K3), TBond007_64 (K3), TripleTrouble_68 (K3),

Start 93:

- Found in 235 of 987 (23.8%) of genes in pham
- Manual Annotations of this start: 185 of 845
- Called 86.0% of time when present
- Phage (with cluster) where this start called: 244_39 (E), ABCat_36 (E), Acquire49_30 (L1), Adnama_40 (E), Amao_37 (E), AmericanBeauty_39 (E), Appletree2_30 (L1), Archie_32 (L2), Argent26_39 (E), Asriel_36 (E), AvadaKedavra_30 (L1), BadStone_36 (E), Balomoji_36 (E), Barbarian_36 (E), Bask21_37 (E), Bazzle_32 (L2), Becksu_37 (E), Bellis_31 (L3), Bench_39 (E), BigBubba_38 (E), BigCheese_32 (L2), BilboSwaggins_37 (E), BobsGarage_32 (L2), Breezona_32 (L2), Bromden_32 (L4), Bruin_37 (E), Buck_36 (E), BugsBunny_35 (E), Cactus_38 (E), Calm_30 (L1), Chaser_30 (L4), ChosenOne_37 (E), ChotaBhai_37 (E), CicholasNage_30 (L1), Cjw1_37 (E), Clautastrophe_31 (L3), Command613_38 (E), Contagion_36 (E), Cookies_37 (E), Crossroads_32 (L2), CrystalP_37 (E), Czystczon1_38 (E), Daikon_36 (E), Dartin_69 (K1), DoctorDiddles_37 (E), Douge_30 (L4), DrDrey_38 (E), DrSeegs_32 (L2), Dumbo_37 (E), DuncansLeg_31 (L3), Dusk_36 (E), DyoEdafos_31 (L4), Easy2Say_39 (E), Elite2014_36 (E), Ellson_31 (L3), Elph10_38 (E), Emmina_38 (E), Enceladus_30 (L1), Faith1_32 (L2), Filch_38 (E), Finemlucis_32 (L2), Finnry_31 (L3), FireRed_37 (E), Flypotenuse_35 (E), FoghornLeghorn_36 (E), Gabriela_32 (L2), Gage_39 (E), Gardann_32 (L2), Gator_35 (E), Gemini_40 (E), Glexan_35 (E), GoldenSpark_39 (E), Goldilocks_38 (E), GooberAzure_39 (E), GuuelaD_32 (L2), Halena_30 (L1), HanKaySha_38 (E), Harella_36 (E), Henry_38 (E), Highbury_38 (E), Holt_38 (E), Hoonter_39 (E), Hopey_39 (E), HufflyPuff_36 (E), Icee_36 (E), Inca_36 (E), Itos_32 (L2), JeTaime_39 (E), JoeDirt_30 (L1), Jubie_31 (L3), Kanye_39 (E), Kimchi_39 (E), Kingsolomon_31 (L3), Kostya_38 (E), Kropertea_30 (L4), Krypton555_31 (L3), LeBron_30 (L1), LilDestine_32 (L2), Lilac_39 (E), Lilizi_39 (E), Lilpickle_36 (E), LiyuLake_31 (L3), Loadrie_32 (L2), Lolly9_31 (L3), Lumos_31 (L3), MAckerman_30 (L1), MISSy_36 (E), MPhalcon_36 (E), MadamMonkfish_37 (E), Manda_38 (E), Marshmallow_37 (E), Maxxinista_38 (E), McMater_69 (K1), Miley16_32 (L2), Mindy_37 (E), MiniLon_31 (L3), MiniMac_31 (L3), Miniwave_37 (E), Misfit_37 (E), MkaliMitinis3_32 (L2), Moldemort_38 (E), Mosby_36 (E), MsGreen_31 (L3), Murica_36 (E), Murphy_38 (E), Myrale_37 (E), Nala_37 (E), NelitzaMV_37 (E), Netyap_32 (L2), Nicholas_31 (L3), Nicholasp3_32 (L2), Niklas_69 (K1), Nimrod_37 (E), NoSleep_38 (E), OhShagHennessy_30 (L1), OrionPax_38 (E), Palpatine_37 (E), Paperbeatsrock_39 (E), Pat3_36 (E), Peanam_69 (K1), Petra64142_39 (E), Pharsalus_38 (E), PhatBacter_37 (E), Phaux_36 (E), Phrux_37 (E), Policronamos_37 (E), Poochiewood_30 (L1), Porky_37 (E), Pumpkin_39 (E), Quallification_38 (E), Rakim_38 (E), Rey_44 (M2), Richo_69 (K1), Rimmer_36 (E), RiverMonster_37 (E), Rose5_30 (L1), Saints25_38 (E), Samty_31 (L3), Sassay_36 (E), ShamWow_37 (E), Shaobing_69 (K1), Silverleaf_30 (L1), Simpliphy_38 (E), SirDuracell_36 (E), Snenia_31 (L3), SophKB_37 (E), Sotrice96_37 (E), Stank_40 (E), Stark_38 (E), StellaBean_37 (E), StolenFromERC_39 (E), StormChicken_37 (E), TBrady12_39 (E), Tarkin_39 (E), TeardropMSU_36 (E), Teaspoon_38 (E), Terminus_37 (E), Thimble_37 (E), Thresher_38 (E), Tomaszewski_36 (E), Toto_37 (E), Tourach_32 (L2), Traaww1_35 (E), Tuco_38 (E), UPIE_30 (L1), Ukulele_37 (E), Validus_71 (K1), Vetrax_32 (L2), Wamburggrxpress_30 (L1), Whirlwind_32 (L3), Wiggin_40 (E), Wigglewiggles_32 (L2), Wilder_32 (L2), Willez_36 (E), Winky_32 (L2), Wyatt2_30 (L1), Xandras_39 (E), YassJohnny_38 (E), Youngblood_37 (E), Zakai_32 (L2), Zaria_30 (L1), xkcd_38 (E),

Start 94:

- Found in 105 of 987 (10.6%) of genes in pham
- Manual Annotations of this start: 66 of 845

- Called 86.7% of time when present
- Phage (with cluster) where this start called: A3Wally_218 (GD1), Atuin_102 (FC), Auspice_39 (M1), Aziz_44 (M2), Azrael100_52 (V), BAKA_56 (J), Bagrid_51 (J), Beem_52 (J), Big4_204 (GD2), Bloom_112 (FC), Bobby_51 (J), Bombitas_49 (J), Cece_195 (GD3), Chavito_69 (K1), CherryTomatoes_78 (DO), Chilliams_107 (FC), Constella_44 (J), Cosmo_53 (V), Dallas_54 (J), DmpstrDiver_53 (J), Dodo_218 (GD1), Dove_49 (J), Duke13_55 (J), DunneganBoMo_101 (FC), Ejimix_52 (J), Ellewin_99 (FC), EniyanLRS_50 (V), EricMillard_52 (J), Estes_45 (M2), FreakyGoo_40 (M1), GardenSalsa_44 (M2), GenevaB15_44 (M2), GoldenEssence_97 (FC), Greely_81 (C2), Halley_52 (J), Hannaconda_48 (J), HokkenD_45 (J), Hughesyang_50 (J), Izel_39 (M1), JuicyJay_54 (J), KSunshine22_102 (FC), Kalah2_52 (J), KashFlow_45 (J), Khuang_61 (FS), Klein_52 (J), KleverKiS_40 (M1), LeoJr_107 (FC), MaGuCo_34 (AZ2), MaryV_53 (V), Maureen_36 (AZ2), Mimi_108 (FC), Minerva_58 (J), MissSwiss_32 (AZ1), MrMagoo_44 (M2), Myrna_77 (C2), Nanosmite_44 (M3), NihilNomen_51 (J), Odette_52 (J), Optimus_57 (J), Panchaali_104 (FC), Patbob_109 (FC), PauloDiaboli_218 (GD1), Phabba_83 (C2), Phoebus_51 (J), Phrampa_103 (FC), Pound_54 (J), Pumpernickel_201 (GD4), Pupper_77 (DO), Racecar_109 (FC), Rearden_46 (J), Redno2_50 (J), ReginaGlobina_107 (FC), Rockabye_113 (FC), SCentae_76 (DO), SJReid_115 (FC), Schatzie_49 (J), Skog_140 (DO), SlimJimmy_38 (M1), TMaxx_3 (FR), Talia1610_108 (FC), ThreeRngTarjay_50 (J), VResidence_33 (AZ1), WaddleDee_101 (FC), Wanda_58 (J), Wildcat_53 (V), Yeet_50 (J), Yuna_71 (K6), Zelink_53 (J), Zooman_18 (GD2), Zooman_185 (GD2), Zooman_331 (GD2),

Start 95:

- Found in 17 of 987 (1.7%) of genes in pham
- Manual Annotations of this start: 1 of 845
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Apocalypse_69 (K1),

Start 96:

- Found in 185 of 987 (18.7%) of genes in pham
- Manual Annotations of this start: 167 of 845
- Called 98.9% of time when present
- Phage (with cluster) where this start called: A3Wally_20 (GD1), A3Wally_373 (GD1), ActinUp_66 (K1), Adephegia_66 (K1), Adonis_66 (K1), Agent47_60 (K5), Ageofdapage_70 (K1), Aikoy_52 (AE), AlishaPH_66 (K1), AlleyCat_62 (K5), Amelie_55 (K1), Amohnition_66 (K6), Anaya_69 (K1), Angelica_66 (K1), Applecrisp_65 (K6), Asayake_66 (K1), Atiba_67 (K1), BEEST_66 (K1), BGlluviae_66 (K1), BaghaKamala_66 (K1), BarnCat_46 (GB), BarrelRoll_67 (K1), Beezoo_68 (K1), Bella96_67 (K1), Belladonna_66 (K1), Bern_68 (K1), Big4_20 (GD2), Big4_346 (GD2), Binglebops_55 (K1), Blizzard_66 (K1), Boiiii_66 (K1), BoostSeason_69 (K2), Bryler_70 (K6), CREW_66 (K1), Cain_70 (K6), CallaLilly_68 (K1), Capricorn_66 (K1), CaseJules_68 (K1), Cassita_54 (GB), Catfish_63 (CU5), CheetoDust_66 (K1), Chris_69 (K1), Clipper_71 (K1), Collard_58 (K5), CrimD_68 (K1), Curiosium_70 (K1), DS6A_74 (singleton), Dadosky_62 (K5), Dalmuri_66 (K1), DarthP_66 (K6), Deby_67 (K1), Devera_74 (K1), DismalFunk_69 (K2), DismalStressor_69 (K2), Dodo_21 (GD1), Dodo_371 (GD1), Dole_72 (K1), Doughnut_70 (K2), DrHayes_67 (K1), Durfee_66 (K1), Edugator_59 (K5), Efra2_72 (K1), Ekdilam_63 (K6), Ellie_62 (K6), Emerson_68 (K1), Enkosi_57 (K1), Fefferhead_64 (K6), Feyre_63 (K5), Findley_69 (K2), Ganymede_66 (K1), Gengar_60 (K5), Geraldini_69 (K1), Gspu1_55 (CU2), Guanica15_71 (K1), Guillsminger_61 (K5), Hammy_66 (K6), HedwigODU_66 (K1),

Heftyboy_61 (K5), Homura_66 (K1), Hyperbowlee_66 (K1), Illumine_72 (K1), Inky_66 (K1), InvictusManeo_58 (K5), JAWS_67 (K1), Jarvi_66 (K1), Jayhawk_68 (K1), Jeckyll_66 (K1), Joy99_66 (K1), KiSi_71 (K1), Kratio_58 (K5), Larva_61 (K5), LastHope_71 (K1), LaterM_67 (K1), LeMond_70 (K1), LeeroyJenkins_54 (GB), Leopard_52 (AE), Leston_60 (K5), Lifes_48 (GB), LilPharaoh_56 (K1), LindNT_66 (K1), Llorens_66 (K1), Lunahalos_66 (K1), MacKat_62 (K1), Marcoliusprime_69 (K2), MarkPhew_69 (K1), Marshawn_66 (K6), Mdavu_56 (K1), MeaningOfLife_67 (K1), Megsy_69 (K1), Milly_69 (K2), Miryou_64 (K5), Mufasa_69 (K2), Murucutumbu_68 (K1), Mynx_68 (K1), Neighly_62 (K3), Nibb_69 (K1), Nikao_58 (K1), November_66 (K6), Nutello_55 (K1), OkiRoe_61 (K5), Omnicron_64 (K5), Onyinye_53 (AE), Oscar_70 (K1), Padfoot_66 (K1), Padpat_69 (K1), Paola_60 (K5), PauloDiaboli_20 (GD1), PauloDiaboli_375 (GD1), Peel_66 (K1), PhelpsODU_68 (K6), Phrank_70 (K6), Piatt_66 (K1), Pokerus_66 (K1), Prithvi_68 (K1), Psycho_60 (K5), QuincyRose_64 (K1), Ramen_67 (K1), Rando14_62 (K5), Rapunzel97_68 (K1), Rosmarinus_66 (K1), SamuelLPlaqson_67 (K1), Scarlett_71 (K1), Schmidt_57 (CU4), ScoobyDoobyDoo_73 (C2), SgtBeansprout_56 (K1), Shadow1_71 (K6), ShiaSurprise_67 (K1), SirPhilip_66 (K6), Slimphazie_67 (K1), SoSeph_61 (K5), Spock_66 (K1), Stinson_68 (K1), Strobilo_70 (K2), Sulley_66 (K1), Sunflower1121_72 (K6), Syra333_70 (K6), TClif_68 (K6), TM4_67 (K2), Tachez_66 (K1), TaiwanKao_69 (K1), Teejan_57 (K1), Thyatira_63 (K5), Tierra_70 (K6), TingHuaYa_70 (K1), TiniBug_67 (K1), Tiri_67 (K1), Topper_66 (K1), Torres_57 (K1), TreyKay_68 (K1), TruffulaTree_67 (K1), Twitch_66 (K1), Unicorn_68 (K6), Urkel_67 (K1), Veliki_68 (K1), ViviJ_58 (K5), WaterT_52 (GB), Waterfoul_62 (K5), Ximenita_72 (K6), YoureAdopted_66 (K1), Yunkel11_71 (K1), Zabiza_61 (K1), Zavala_69 (K1), ZoeJ_68 (K2),

Start 97:

- Found in 139 of 987 (14.1%) of genes in pham
- Manual Annotations of this start: 7 of 845
- Called 5.8% of time when present
- Phage (with cluster) where this start called: Fryberger_117 (DP), Guey18_121 (DP), Keelan_118 (DP), MissDaisy_67 (K4), Ronaldo_118 (DP), Stuck_67 (I2), Volt_121 (DP), Ziko_119 (DP),

Start 99:

- Found in 287 of 987 (29.1%) of genes in pham
- Manual Annotations of this start: 11 of 845
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Ariel_51 (J), Blue_61 (A1), Courthouse_51 (J), LittleE_56 (J), Lucky2013_51 (J), MiaZeal_51 (J), Mkhuseli_58 (A1), Nekros_50 (J), Omega_56 (J), Porcelain_50 (J), Red305_31 (L3), Sanya_57 (A1), Superphikiman_51 (J), Thibault_45 (J), Thonko_81 (B8), TriFive_31 (L3),

Start 105:

- Found in 42 of 987 (4.3%) of genes in pham
- Manual Annotations of this start: 2 of 845
- Called 4.8% of time when present
- Phage (with cluster) where this start called: Aegeus_33 (L5), Baudelaire_33 (L5),

Start 106:

- Found in 17 of 987 (1.7%) of genes in pham
- Manual Annotations of this start: 1 of 845
- Called 23.5% of time when present

- Phage (with cluster) where this start called: Gonephishing_53 (J), Marleymoo_53 (J), Shaboozey_44 (J), Squint_50 (J),

Start 107:

- Found in 99 of 987 (10.0%) of genes in pham
- Manual Annotations of this start: 7 of 845
- Called 25.3% of time when present
- Phage (with cluster) where this start called: Baoshan_31 (L2), BourbonZero_30 (L3), BrainDrainer_31 (L4), Claus_32 (L2), DHan_32 (L2), DanBing_31 (L2), DirkDirk_30 (L1), Douzhi_30 (L4), FarmResident_30 (L4), Hafay_32 (L2), Jobypre_31 (L3), Kahlid_32 (L2), KirDoubleO7_29 (L3), Lewan_32 (L2), Moostard_31 (L3), PYPDinur_30 (L4), Quby_30 (L4), Rumpelstiltskin_32 (L2), Sarshaun_32 (L2), Sheng711_30 (L4), SoJulia_33 (L2), Soap141_32 (L2), Tyson_30 (L1), Underpass_32 (L2), ZhongYanYuan_31 (L2),

Start 108:

- Found in 38 of 987 (3.9%) of genes in pham
- Manual Annotations of this start: 1 of 845
- Called 2.6% of time when present
- Phage (with cluster) where this start called: JackSparrow_64 (A1),

Start 111:

- Found in 7 of 987 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 845
- Called 57.1% of time when present
- Phage (with cluster) where this start called: EdogawaKiddo_56 (A9), Hanray_56 (A9), Holecx_57 (A9), Liebe_36 (AZ2),

Start 113:

- Found in 142 of 987 (14.4%) of genes in pham
- Manual Annotations of this start: 3 of 845
- Called 2.8% of time when present
- Phage (with cluster) where this start called: FairyPath_37 (E), IHOP_37 (E), Phaja_37 (E), ShereKhan_39 (E),

Summary by clusters:

There are 60 clusters represented in this pham: AC, GD1, FR, FS, GD4, M3, DO, DL, DD, M2, GD2, K3, K2, K1, FC, M1, K6, K5, K4, GD3, AE, K8, JA, DP, CU5, CU4, CU3, CU2, CU1, I2, A1, K7, A9, C2, CQ1, EL, V, EN, E, EH, CA, J, N, L4, R, L2, L3, L1, singleton, AZ, CQ2, FB, L5, EM2, AZ1, AZ2, AZ3, B8, AZ5, GB,

Info for manual annotations of cluster A1:

- Start number 68 was manually annotated 5 times for cluster A1.
- Start number 69 was manually annotated 27 times for cluster A1.
- Start number 71 was manually annotated 99 times for cluster A1.
- Start number 77 was manually annotated 4 times for cluster A1.
- Start number 78 was manually annotated 10 times for cluster A1.
- Start number 87 was manually annotated 4 times for cluster A1.
- Start number 99 was manually annotated 1 time for cluster A1.
- Start number 108 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster AC:

- Start number 89 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster AE:

- Start number 96 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster AZ1:

- Start number 74 was manually annotated 4 times for cluster AZ1.
- Start number 76 was manually annotated 26 times for cluster AZ1.
- Start number 77 was manually annotated 5 times for cluster AZ1.
- Start number 80 was manually annotated 1 time for cluster AZ1.
- Start number 91 was manually annotated 7 times for cluster AZ1.
- Start number 94 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 94 was manually annotated 2 times for cluster AZ2.
- Start number 111 was manually annotated 1 time for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 62 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ5:

- Start number 82 was manually annotated 10 times for cluster AZ5.

Info for manual annotations of cluster B8:

- Start number 99 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster C2:

- Start number 94 was manually annotated 2 times for cluster C2.
- Start number 96 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster CA:

- Start number 82 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CQ1:

- Start number 81 was manually annotated 6 times for cluster CQ1.
- Start number 83 was manually annotated 6 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 75 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CU1:

- Start number 83 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 83 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 96 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 96 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster DD:

- Start number 81 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:

- Start number 81 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DO:

- Start number 94 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DP:

- Start number 97 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster E:

- Start number 90 was manually annotated 3 times for cluster E.
- Start number 93 was manually annotated 119 times for cluster E.
- Start number 113 was manually annotated 3 times for cluster E.

Info for manual annotations of cluster EH:

- Start number 72 was manually annotated 1 time for cluster EH.
- Start number 82 was manually annotated 1 time for cluster EH.
- Start number 88 was manually annotated 11 times for cluster EH.

Info for manual annotations of cluster EL:

- Start number 86 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster EM2:

- Start number 91 was manually annotated 1 time for cluster EM2.

Info for manual annotations of cluster EN:

- Start number 86 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster FB:

- Start number 91 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FC:

- Start number 94 was manually annotated 4 times for cluster FC.

Info for manual annotations of cluster GB:

- Start number 96 was manually annotated 5 times for cluster GB.

Info for manual annotations of cluster GD1:

- Start number 94 was manually annotated 2 times for cluster GD1.
- Start number 96 was manually annotated 4 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 94 was manually annotated 4 times for cluster GD2.
- Start number 96 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 94 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 94 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster J:

- Start number 94 was manually annotated 30 times for cluster J.
- Start number 99 was manually annotated 9 times for cluster J.
- Start number 106 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster JA:

- Start number 91 was manually annotated 7 times for cluster JA.

Info for manual annotations of cluster K1:

- Start number 93 was manually annotated 4 times for cluster K1.
- Start number 95 was manually annotated 1 time for cluster K1.
- Start number 96 was manually annotated 98 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 96 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 92 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 86 was manually annotated 17 times for cluster K4.
- Start number 97 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K5:

- Start number 96 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 48 was manually annotated 1 time for cluster K6.
- Start number 49 was manually annotated 1 time for cluster K6.
- Start number 94 was manually annotated 1 time for cluster K6.
- Start number 96 was manually annotated 19 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 86 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 86 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 93 was manually annotated 17 times for cluster L1.
- Start number 107 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 93 was manually annotated 25 times for cluster L2.
- Start number 107 was manually annotated 3 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 93 was manually annotated 15 times for cluster L3.
- Start number 107 was manually annotated 2 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 93 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 105 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 79 was manually annotated 11 times for cluster M1.
- Start number 94 was manually annotated 2 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 93 was manually annotated 1 time for cluster M2.
- Start number 94 was manually annotated 5 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 94 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 74 was manually annotated 1 time for cluster N.
- Start number 76 was manually annotated 33 times for cluster N.

Info for manual annotations of cluster R:

- Start number 86 was manually annotated 9 times for cluster R.

Info for manual annotations of cluster V:

- Start number 94 was manually annotated 5 times for cluster V.

Gene Information:

Gene: 244_39 Start: 33415, Stop: 33660, Start Num: 93

Candidate Starts for 244_39:

(Start: 93 @33415 has 185 MA's), (Start: 113 @33472 has 3 MA's), (127, 33505), (131, 33511), (152, 33565), (157, 33577),

Gene: A3Wally_218 Start: 118317, Stop: 118063, Start Num: 94

Candidate Starts for A3Wally_218:

(Start: 94 @118317 has 66 MA's), (138, 118203), (149, 118176), (171, 118131),

Gene: A3Wally_20 Start: 7196, Stop: 7426, Start Num: 96

Candidate Starts for A3Wally_20:

(Start: 96 @7196 has 167 MA's), (117, 7268), (173, 7415),

Gene: A3Wally_373 Start: 186417, Stop: 186647, Start Num: 96

Candidate Starts for A3Wally_373:

(Start: 96 @186417 has 167 MA's), (117, 186489), (173, 186636),

Gene: A6_54 Start: 38910, Stop: 38635, Start Num: 71

Candidate Starts for A6_54:

(Start: 69 @38913 has 27 MA's), (Start: 71 @38910 has 99 MA's), (Start: 77 @38898 has 9 MA's),
(Start: 99 @38868 has 11 MA's), (114, 38817), (117, 38802), (131, 38781), (142, 38751), (154, 38721),

Gene: ABCat_36 Start: 33127, Stop: 33372, Start Num: 93

Candidate Starts for ABCat_36:

(Start: 93 @33127 has 185 MA's), (Start: 113 @33184 has 3 MA's), (127, 33217), (131, 33223), (152, 33277), (157, 33289),

Gene: AEgle_32 Start: 24443, Stop: 24685, Start Num: 91

Candidate Starts for AEgle_32:

(Start: 91 @24443 has 18 MA's),

Gene: AFIS_58 Start: 39979, Stop: 39713, Start Num: 71

Candidate Starts for AFIS_58:

(Start: 69 @39982 has 27 MA's), (Start: 71 @39979 has 99 MA's), (Start: 77 @39967 has 9 MA's),
(Start: 99 @39946 has 11 MA's), (114, 39895), (117, 39880), (131, 39859), (142, 39829), (154, 39799),
(186, 39724),

Gene: AGrandiflora_34 Start: 24670, Stop: 24936, Start Num: 76

Candidate Starts for AGrandiflora_34:

(12, 24412), (17, 24448), (Start: 76 @24670 has 59 MA's), (156, 24853),

Gene: Abbysshoes_63 Start: 41669, Stop: 41403, Start Num: 71

Candidate Starts for Abbysshoes_63:

(Start: 69 @41672 has 27 MA's), (Start: 71 @41669 has 99 MA's), (Start: 77 @41657 has 9 MA's),
(Start: 99 @41636 has 11 MA's), (114, 41585), (117, 41570), (131, 41549), (142, 41519), (154, 41489),

Gene: Abrogate_610 Start: 42660, Stop: 42409, Start Num: 87

Candidate Starts for Abrogate_610:

(Start: 73 @42684 has 1 MA's), (Start: 87 @42660 has 4 MA's), (114, 42591), (117, 42576), (131, 42555), (138, 42534), (142, 42525), (154, 42495),

Gene: Abscondus_124 Start: 70975, Stop: 71268, Start Num: 81

Candidate Starts for Abscondus_124:

(Start: 81 @70975 has 13 MA's), (Start: 105 @71023 has 2 MA's), (154, 71152),

Gene: Acme_64 Start: 41595, Stop: 41326, Start Num: 69

Candidate Starts for Acme_64:

(Start: 69 @41595 has 27 MA's), (Start: 71 @41592 has 99 MA's), (Start: 77 @41580 has 9 MA's),
(Start: 99 @41559 has 11 MA's), (114, 41508), (117, 41493), (131, 41472), (142, 41442), (154, 41412),
(186, 41337),

Gene: Acquire49_30 Start: 27690, Stop: 27959, Start Num: 93

Candidate Starts for Acquire49_30:

(Start: 93 @27690 has 185 MA's), (Start: 107 @27735 has 7 MA's), (154, 27843),

Gene: ActinUp_66 Start: 43467, Stop: 43709, Start Num: 96

Candidate Starts for ActinUp_66:

(Start: 96 @43467 has 167 MA's), (127, 43557), (167, 43653), (177, 43677),

Gene: AddiRose_51 Start: 34005, Stop: 34238, Start Num: 91

Candidate Starts for AddiRose_51:

(Start: 91 @34005 has 18 MA's), (142, 34140),

Gene: Adephagia_66 Start: 43504, Stop: 43746, Start Num: 96
Candidate Starts for Adephagia_66:
(Start: 96 @43504 has 167 MA's), (127, 43594), (167, 43690), (177, 43714),

Gene: Adnama_40 Start: 33642, Stop: 33887, Start Num: 93
Candidate Starts for Adnama_40:
(Start: 93 @33642 has 185 MA's), (Start: 113 @33699 has 3 MA's), (127, 33732), (131, 33738), (152, 33792), (157, 33804),

Gene: Adolin_32 Start: 23104, Stop: 23349, Start Num: 91
Candidate Starts for Adolin_32:
(9, 22735), (12, 22849), (17, 22885), (Start: 91 @23104 has 18 MA's),

Gene: Adonis_66 Start: 43739, Stop: 43981, Start Num: 96
Candidate Starts for Adonis_66:
(Start: 96 @43739 has 167 MA's), (127, 43829), (167, 43925), (177, 43949),

Gene: Adumb2043_32 Start: 24438, Stop: 24704, Start Num: 74
Candidate Starts for Adumb2043_32:
(7, 23982), (12, 24183), (17, 24219), (Start: 74 @24438 has 5 MA's), (156, 24621),

Gene: Aegeus_33 Start: 27825, Stop: 28055, Start Num: 105
Candidate Starts for Aegeus_33:
(Start: 93 @27789 has 185 MA's), (103, 27816), (Start: 105 @27825 has 2 MA's), (114, 27852), (127, 27882), (135, 27903), (154, 27942), (156, 27945), (157, 27948), (178, 28005), (181, 28014),

Gene: Aeneas_65 Start: 43097, Stop: 42828, Start Num: 69
Candidate Starts for Aeneas_65:
(Start: 69 @43097 has 27 MA's), (Start: 71 @43094 has 99 MA's), (Start: 77 @43082 has 9 MA's),
(Start: 99 @43061 has 11 MA's), (114, 43010), (117, 42995), (131, 42974), (142, 42944), (154, 42914),

Gene: Agaliana_56 Start: 37891, Stop: 37616, Start Num: 71
Candidate Starts for Agaliana_56:
(Start: 69 @37894 has 27 MA's), (Start: 71 @37891 has 99 MA's), (Start: 77 @37879 has 9 MA's),
(Start: 99 @37849 has 11 MA's), (114, 37798), (117, 37783), (131, 37762), (142, 37732), (154, 37702),

Gene: Agent47_60 Start: 40769, Stop: 41017, Start Num: 96
Candidate Starts for Agent47_60:
(Start: 96 @40769 has 167 MA's), (143, 40901), (156, 40931), (174, 40964),

Gene: Ageofdapage_70 Start: 44895, Stop: 45137, Start Num: 96
Candidate Starts for Ageofdapage_70:
(Start: 96 @44895 has 167 MA's), (127, 44985), (167, 45081), (177, 45105),

Gene: Aikoy_52 Start: 39434, Stop: 39189, Start Num: 96
Candidate Starts for Aikoy_52:
(Start: 96 @39434 has 167 MA's), (114, 39374), (126, 39347), (142, 39308), (152, 39284), (153, 39278), (154, 39272), (165, 39248),

Gene: Ajay_62 Start: 41482, Stop: 41216, Start Num: 71
Candidate Starts for Ajay_62:

(Start: 69 @41485 has 27 MA's), (Start: 71 @41482 has 99 MA's), (Start: 77 @41470 has 9 MA's), (Start: 99 @41449 has 11 MA's), (114, 41398), (117, 41383), (131, 41362), (142, 41332), (154, 41302), (186, 41227),

Gene: Alatin_45 Start: 34365, Stop: 34069, Start Num: 82

Candidate Starts for Alatin_45:

(Start: 82 @34365 has 47 MA's), (Start: 97 @34347 has 7 MA's), (Start: 99 @34341 has 11 MA's), (143, 34224), (156, 34191), (159, 34185), (185, 34125), (193, 34077),

Gene: AlishaPH_66 Start: 43765, Stop: 44007, Start Num: 96

Candidate Starts for AlishaPH_66:

(Start: 96 @43765 has 167 MA's), (127, 43855), (167, 43951), (177, 43975),

Gene: AlleyCat_62 Start: 41081, Stop: 41329, Start Num: 96

Candidate Starts for AlleyCat_62:

(Start: 96 @41081 has 167 MA's), (117, 41156), (151, 41228),

Gene: Alpacados_45 Start: 34270, Stop: 33974, Start Num: 82

Candidate Starts for Alpacados_45:

(Start: 82 @34270 has 47 MA's), (Start: 97 @34252 has 7 MA's), (Start: 99 @34246 has 11 MA's), (143, 34129), (156, 34096), (159, 34090), (185, 34030), (193, 33982),

Gene: Alsfro_68 Start: 41762, Stop: 41487, Start Num: 71

Candidate Starts for Alsfro_68:

(Start: 69 @41765 has 27 MA's), (Start: 71 @41762 has 99 MA's), (Start: 77 @41750 has 9 MA's), (Start: 99 @41720 has 11 MA's), (114, 41669), (117, 41654), (131, 41633), (142, 41603), (154, 41573), (186, 41498),

Gene: Altman_64 Start: 41400, Stop: 41125, Start Num: 71

Candidate Starts for Altman_64:

(Start: 69 @41403 has 27 MA's), (Start: 71 @41400 has 99 MA's), (Start: 77 @41388 has 9 MA's), (114, 41307), (117, 41292), (131, 41271), (142, 41241), (154, 41211),

Gene: Alvin_62 Start: 41227, Stop: 40952, Start Num: 71

Candidate Starts for Alvin_62:

(31, 41332), (32, 41329), (46, 41284), (54, 41266), (Start: 69 @41230 has 27 MA's), (Start: 71 @41227 has 99 MA's), (Start: 77 @41215 has 9 MA's), (Start: 99 @41185 has 11 MA's), (114, 41134), (117, 41119), (131, 41098), (142, 41068), (154, 41038), (176, 40993), (186, 40963),

Gene: Amao_37 Start: 32339, Stop: 32584, Start Num: 93

Candidate Starts for Amao_37:

(Start: 93 @32339 has 185 MA's), (Start: 113 @32396 has 3 MA's), (127, 32429), (131, 32435), (149, 32483), (152, 32489), (157, 32501),

Gene: Amelie_55 Start: 40941, Stop: 41186, Start Num: 96

Candidate Starts for Amelie_55:

(47, 40869), (Start: 96 @40941 has 167 MA's), (134, 41046), (151, 41088), (167, 41124),

Gene: AmericanBeauty_39 Start: 33122, Stop: 33367, Start Num: 93

Candidate Starts for AmericanBeauty_39:

(Start: 93 @33122 has 185 MA's), (Start: 113 @33179 has 3 MA's), (127, 33212), (131, 33218), (152, 33272), (157, 33284),

Gene: Amgine_65 Start: 44496, Stop: 44807, Start Num: 48
Candidate Starts for Amgine_65:
(Start: 48 @44496 has 1 MA's), (Start: 96 @44565 has 167 MA's), (Start: 99 @44574 has 11 MA's),
(114, 44625), (127, 44655), (167, 44751), (177, 44775),

Gene: Aminay_66 Start: 43144, Stop: 43401, Start Num: 86
Candidate Starts for Aminay_66:
(Start: 86 @43144 has 38 MA's), (Start: 105 @43189 has 2 MA's), (159, 43321), (164, 43339), (187,
43393),

Gene: Amohndition_66 Start: 44113, Stop: 44352, Start Num: 96
Candidate Starts for Amohndition_66:
(Start: 96 @44113 has 167 MA's), (127, 44203), (151, 44263),

Gene: Amyev_33 Start: 26378, Stop: 26620, Start Num: 77
Candidate Starts for Amyev_33:
(Start: 77 @26378 has 9 MA's),

Gene: Anaya_69 Start: 44458, Stop: 44700, Start Num: 96
Candidate Starts for Anaya_69:
(47, 44380), (Start: 96 @44458 has 167 MA's), (127, 44548), (167, 44644), (177, 44668),

Gene: Andies_48 Start: 34452, Stop: 34700, Start Num: 76
Candidate Starts for Andies_48:
(Start: 76 @34452 has 59 MA's), (Start: 97 @34464 has 7 MA's), (154, 34614), (156, 34617), (186,
34692),

Gene: Angelica_66 Start: 43657, Stop: 43899, Start Num: 96
Candidate Starts for Angelica_66:
(Start: 96 @43657 has 167 MA's), (127, 43747), (167, 43843), (177, 43867),

Gene: Anglerfish_62 Start: 41575, Stop: 41306, Start Num: 69
Candidate Starts for Anglerfish_62:
(Start: 69 @41575 has 27 MA's), (Start: 71 @41572 has 99 MA's), (Start: 77 @41560 has 9 MA's),
(Start: 97 @41545 has 7 MA's), (Start: 99 @41539 has 11 MA's), (114, 41488), (117, 41473), (131,
41452), (142, 41422), (154, 41392),

Gene: AngryOrchard_44 Start: 34430, Stop: 34134, Start Num: 82
Candidate Starts for AngryOrchard_44:
(Start: 82 @34430 has 47 MA's), (Start: 97 @34412 has 7 MA's), (Start: 99 @34406 has 11 MA's),
(143, 34289), (156, 34256), (159, 34250), (185, 34190), (193, 34142),

Gene: AnnabelLee_3 Start: 977, Stop: 1246, Start Num: 87
Candidate Starts for AnnabelLee_3:
(Start: 87 @977 has 4 MA's),

Gene: Aphelion_125 Start: 72038, Stop: 72331, Start Num: 81
Candidate Starts for Aphelion_125:
(Start: 81 @72038 has 13 MA's), (Start: 105 @72086 has 2 MA's), (154, 72215),

Gene: Apocalypse_69 Start: 44420, Stop: 44662, Start Num: 95
Candidate Starts for Apocalypse_69:
(Start: 95 @44420 has 1 MA's), (127, 44510), (167, 44606), (177, 44630),

Gene: AppleCloud_43 Start: 34089, Stop: 33793, Start Num: 82

Candidate Starts for AppleCloud_43:

(Start: 82 @34089 has 47 MA's), (Start: 97 @34071 has 7 MA's), (Start: 99 @34065 has 11 MA's), (142, 33951), (143, 33948), (156, 33915), (159, 33909),

Gene: Applecrisp_65 Start: 43695, Stop: 43937, Start Num: 96

Candidate Starts for Applecrisp_65:

(Start: 48 @43626 has 1 MA's), (Start: 96 @43695 has 167 MA's), (Start: 99 @43704 has 11 MA's), (114, 43755), (127, 43785), (167, 43881), (177, 43905),

Gene: Applejack_60 Start: 39669, Stop: 39418, Start Num: 87

Candidate Starts for Applejack_60:

(Start: 73 @39693 has 1 MA's), (Start: 87 @39669 has 4 MA's), (114, 39600), (117, 39585), (131, 39564), (142, 39534), (154, 39504),

Gene: Appletree2_30 Start: 27633, Stop: 27902, Start Num: 93

Candidate Starts for Appletree2_30:

(Start: 93 @27633 has 185 MA's), (Start: 107 @27678 has 7 MA's), (154, 27786),

Gene: Arcanine_64 Start: 42296, Stop: 42030, Start Num: 71

Candidate Starts for Arcanine_64:

(Start: 69 @42299 has 27 MA's), (Start: 71 @42296 has 99 MA's), (Start: 77 @42284 has 9 MA's), (Start: 97 @42269 has 7 MA's), (Start: 99 @42263 has 11 MA's), (114, 42212), (117, 42197), (131, 42176), (142, 42146), (154, 42116),

Gene: Archie_32 Start: 28911, Stop: 29177, Start Num: 93

Candidate Starts for Archie_32:

(Start: 93 @28911 has 185 MA's), (Start: 107 @28956 has 7 MA's), (129, 29007), (135, 29025), (159, 29073), (186, 29145), (192, 29166),

Gene: Argent26_39 Start: 33125, Stop: 33370, Start Num: 93

Candidate Starts for Argent26_39:

(Start: 93 @33125 has 185 MA's), (Start: 113 @33182 has 3 MA's), (127, 33215), (131, 33221), (152, 33275), (157, 33287),

Gene: Ariel_51 Start: 40408, Stop: 40647, Start Num: 99

Candidate Starts for Ariel_51:

(Start: 99 @40408 has 11 MA's), (Start: 106 @40435 has 1 MA's), (127, 40489), (129, 40492), (154, 40549), (172, 40585),

Gene: Asa16_34 Start: 26607, Stop: 26864, Start Num: 91

Candidate Starts for Asa16_34:

(12, 26370), (13, 26379), (Start: 91 @26607 has 18 MA's), (Start: 108 @26655 has 1 MA's), (159, 26772),

Gene: Asayake_66 Start: 43819, Stop: 44061, Start Num: 96

Candidate Starts for Asayake_66:

(Start: 96 @43819 has 167 MA's), (127, 43909), (167, 44005), (177, 44029),

Gene: Ascela_34 Start: 24798, Stop: 25064, Start Num: 76

Candidate Starts for Ascela_34:

(Start: 76 @24798 has 59 MA's), (156, 24981),

Gene: Ashballer_65 Start: 42043, Stop: 41777, Start Num: 71

Candidate Starts for Ashballer_65:

(Start: 69 @42046 has 27 MA's), (Start: 71 @42043 has 99 MA's), (Start: 77 @42031 has 9 MA's), (Start: 99 @42010 has 11 MA's), (114, 41959), (117, 41944), (131, 41923), (142, 41893), (154, 41863),

Gene: Ashes_31 Start: 22585, Stop: 22851, Start Num: 82

Candidate Starts for Ashes_31:

(Start: 82 @22585 has 47 MA's), (Start: 95 @22600 has 1 MA's), (116, 22663), (124, 22681), (169, 22783),

Gene: Asriel_36 Start: 31996, Stop: 32241, Start Num: 93

Candidate Starts for Asriel_36:

(Start: 93 @31996 has 185 MA's), (Start: 113 @32053 has 3 MA's), (127, 32086), (131, 32092), (152, 32146), (157, 32158),

Gene: Atiba_67 Start: 43467, Stop: 43709, Start Num: 96

Candidate Starts for Atiba_67:

(Start: 96 @43467 has 167 MA's), (127, 43557), (167, 43653), (177, 43677),

Gene: Atkinbua_64 Start: 41089, Stop: 40823, Start Num: 68

Candidate Starts for Atkinbua_64:

(Start: 68 @41089 has 5 MA's), (Start: 77 @41077 has 9 MA's), (Start: 99 @41056 has 11 MA's), (114, 41005), (117, 40990), (131, 40969), (142, 40939), (154, 40909), (186, 40834),

Gene: Atuin_102 Start: 87057, Stop: 87320, Start Num: 94

Candidate Starts for Atuin_102:

(Start: 94 @87057 has 66 MA's), (171, 87246),

Gene: Audell_6 Start: 4387, Stop: 4647, Start Num: 91

Candidate Starts for Audell_6:

(Start: 91 @4387 has 18 MA's), (126, 4477), (149, 4534),

Gene: Auspice_39 Start: 32780, Stop: 33040, Start Num: 94

Candidate Starts for Auspice_39:

(35, 32651), (Start: 79 @32762 has 11 MA's), (Start: 94 @32780 has 66 MA's), (114, 32843), (151, 32930), (154, 32939), (159, 32948),

Gene: AvadaKedavra_30 Start: 27700, Stop: 27969, Start Num: 93

Candidate Starts for AvadaKedavra_30:

(Start: 93 @27700 has 185 MA's), (Start: 107 @27745 has 7 MA's), (154, 27853),

Gene: Aziz_44 Start: 33930, Stop: 34181, Start Num: 94

Candidate Starts for Aziz_44:

(Start: 94 @33930 has 66 MA's), (127, 34023), (147, 34074), (149, 34077), (156, 34092), (181, 34146),

Gene: Azrael100_52 Start: 39360, Stop: 39608, Start Num: 94

Candidate Starts for Azrael100_52:

(Start: 94 @39360 has 66 MA's), (122, 39441), (142, 39489), (156, 39522), (157, 39525), (159, 39528), (172, 39561), (180, 39597),

Gene: BAKA_56 Start: 44234, Stop: 44479, Start Num: 94

Candidate Starts for BAKA_56:

(Start: 94 @44234 has 66 MA's), (114, 44297), (127, 44327), (129, 44330), (156, 44390), (157, 44393), (159, 44396),

Gene: BEEST_66 Start: 43819, Stop: 44061, Start Num: 96

Candidate Starts for BEEST_66:

(Start: 96 @43819 has 167 MA's), (127, 43909), (167, 44005), (177, 44029),

Gene: BFK20_ORF53 Start: 41569, Stop: 41835, Start Num: 83

Candidate Starts for BFK20_ORF53:

(Start: 68 @41539 has 5 MA's), (Start: 79 @41563 has 11 MA's), (Start: 83 @41569 has 15 MA's), (110, 41629), (127, 41671), (131, 41677), (155, 41737),

Gene: BGlluviae_66 Start: 43622, Stop: 43864, Start Num: 96

Candidate Starts for BGlluviae_66:

(Start: 96 @43622 has 167 MA's), (127, 43712), (167, 43808), (177, 43832),

Gene: BK1_54 Start: 38910, Stop: 38635, Start Num: 71

Candidate Starts for BK1_54:

(Start: 69 @38913 has 27 MA's), (Start: 71 @38910 has 99 MA's), (Start: 77 @38898 has 9 MA's), (Start: 99 @38868 has 11 MA's), (114, 38817), (117, 38802), (131, 38781), (142, 38751), (154, 38721),

Gene: BPBiebs31_64 Start: 41826, Stop: 41557, Start Num: 69

Candidate Starts for BPBiebs31_64:

(Start: 69 @41826 has 27 MA's), (Start: 71 @41823 has 99 MA's), (Start: 77 @41811 has 9 MA's), (Start: 97 @41796 has 7 MA's), (Start: 99 @41790 has 11 MA's), (117, 41724), (131, 41703), (142, 41673), (154, 41643),

Gene: BabeRuth_56 Start: 36173, Stop: 36421, Start Num: 76

Candidate Starts for BabeRuth_56:

(Start: 76 @36173 has 59 MA's), (Start: 97 @36185 has 7 MA's), (154, 36335), (156, 36338), (186, 36413),

Gene: BaboJay_37 Start: 33214, Stop: 33462, Start Num: 90

Candidate Starts for BaboJay_37:

(55, 33145), (56, 33148), (67, 33175), (Start: 90 @33214 has 3 MA's), (Start: 113 @33274 has 3 MA's), (127, 33307), (131, 33313), (152, 33367), (157, 33379),

Gene: Bachita_128 Start: 71997, Stop: 72287, Start Num: 83

Candidate Starts for Bachita_128:

(37, 71889), (43, 71904), (59, 71949), (Start: 83 @71997 has 15 MA's), (Start: 105 @72042 has 2 MA's), (154, 72171),

Gene: BaconJack_66 Start: 44013, Stop: 43747, Start Num: 71

Candidate Starts for BaconJack_66:

(Start: 69 @44016 has 27 MA's), (Start: 71 @44013 has 99 MA's), (Start: 77 @44001 has 9 MA's), (Start: 99 @43980 has 11 MA's), (114, 43929), (117, 43914), (131, 43893), (142, 43863), (154, 43833),

Gene: BadStone_36 Start: 33127, Stop: 33372, Start Num: 93

Candidate Starts for BadStone_36:

(Start: 93 @33127 has 185 MA's), (Start: 113 @33184 has 3 MA's), (127, 33217), (131, 33223), (149, 33271), (152, 33277), (157, 33289),

Gene: BaghaKamala_66 Start: 43286, Stop: 43528, Start Num: 96

Candidate Starts for BaghaKamala_66:

(60, 43241), (Start: 96 @43286 has 167 MA's), (127, 43376), (167, 43472), (177, 43496),

Gene: Bagrid_51 Start: 43567, Stop: 43812, Start Num: 94

Candidate Starts for Bagrid_51:

(Start: 94 @43567 has 66 MA's), (114, 43630), (127, 43660), (129, 43663), (156, 43723), (157, 43726), (159, 43729),

Gene: Balomoji_36 Start: 32861, Stop: 33106, Start Num: 93

Candidate Starts for Balomoji_36:

(Start: 93 @32861 has 185 MA's), (Start: 113 @32918 has 3 MA's), (127, 32951), (131, 32957), (149, 33005), (152, 33011), (157, 33023),

Gene: Banquo_62 Start: 38905, Stop: 39129, Start Num: 83

Candidate Starts for Banquo_62:

(Start: 83 @38905 has 15 MA's), (Start: 108 @38947 has 1 MA's), (127, 38992), (132, 39001), (152, 39052), (156, 39061), (167, 39082),

Gene: Bantam_85 Start: 57381, Stop: 57115, Start Num: 81

Candidate Starts for Bantam_85:

(Start: 81 @57381 has 13 MA's), (104, 57333),

Gene: Baoshan_31 Start: 28288, Stop: 28509, Start Num: 107

Candidate Starts for Baoshan_31:

(Start: 93 @28243 has 185 MA's), (Start: 107 @28288 has 7 MA's), (129, 28339), (186, 28477), (192, 28498),

Gene: Barbarian_36 Start: 31996, Stop: 32241, Start Num: 93

Candidate Starts for Barbarian_36:

(Start: 93 @31996 has 185 MA's), (Start: 113 @32053 has 3 MA's), (127, 32086), (131, 32092), (152, 32146), (157, 32158),

Gene: BarnCat_46 Start: 30635, Stop: 30874, Start Num: 96

Candidate Starts for BarnCat_46:

(36, 30518), (44, 30536), (Start: 96 @30635 has 167 MA's), (114, 30692), (126, 30719), (131, 30728),

Gene: Barnstormer_41 Start: 26907, Stop: 27167, Start Num: 88

Candidate Starts for Barnstormer_41:

(27, 26781), (Start: 88 @26907 has 11 MA's),

Gene: BarrelRoll_67 Start: 43905, Stop: 44147, Start Num: 96

Candidate Starts for BarrelRoll_67:

(Start: 96 @43905 has 167 MA's), (127, 43995), (167, 44091), (177, 44115),

Gene: Barriga_65 Start: 40220, Stop: 39954, Start Num: 71

Candidate Starts for Barriga_65:

(Start: 69 @40223 has 27 MA's), (Start: 71 @40220 has 99 MA's), (Start: 77 @40208 has 9 MA's), (Start: 99 @40187 has 11 MA's), (114, 40136), (117, 40121), (131, 40100), (142, 40070), (154, 40040), (186, 39965),

Gene: BarrowTuph_62 Start: 41075, Stop: 40809, Start Num: 71

Candidate Starts for BarrowTuph_62:

(Start: 69 @41078 has 27 MA's), (Start: 71 @41075 has 99 MA's), (Start: 77 @41063 has 9 MA's),
(Start: 99 @41042 has 11 MA's), (114, 40991), (117, 40976), (131, 40955), (142, 40925), (154, 40895),

Gene: Bask21_37 Start: 32313, Stop: 32558, Start Num: 93

Candidate Starts for Bask21_37:

(Start: 93 @32313 has 185 MA's), (Start: 113 @32370 has 3 MA's), (127, 32403), (131, 32409), (152, 32463), (157, 32475),

Gene: Baudelaire_33 Start: 27825, Stop: 28055, Start Num: 105

Candidate Starts for Baudelaire_33:

(Start: 93 @27789 has 185 MA's), (103, 27816), (Start: 105 @27825 has 2 MA's), (114, 27852), (127, 27882), (135, 27903), (154, 27942), (156, 27945), (157, 27948), (178, 28005), (181, 28014),

Gene: Bazzle_32 Start: 28660, Stop: 28926, Start Num: 93

Candidate Starts for Bazzle_32:

(Start: 93 @28660 has 185 MA's), (Start: 107 @28705 has 7 MA's), (129, 28756), (135, 28774), (159, 28822), (186, 28894), (192, 28915),

Gene: Beaupre_32 Start: 22586, Stop: 22852, Start Num: 82

Candidate Starts for Beaupre_32:

(Start: 82 @22586 has 47 MA's), (Start: 95 @22601 has 1 MA's), (116, 22664), (124, 22682), (169, 22784),

Gene: Becksu_37 Start: 33318, Stop: 33563, Start Num: 93

Candidate Starts for Becksu_37:

(Start: 93 @33318 has 185 MA's), (Start: 113 @33375 has 3 MA's), (127, 33408), (131, 33414), (152, 33468), (157, 33480),

Gene: Beem_52 Start: 44133, Stop: 44378, Start Num: 94

Candidate Starts for Beem_52:

(Start: 94 @44133 has 66 MA's), (114, 44196), (127, 44226), (129, 44229), (156, 44289), (157, 44292), (159, 44295),

Gene: BeesKnees_64 Start: 40665, Stop: 40390, Start Num: 71

Candidate Starts for BeesKnees_64:

(Start: 71 @40665 has 99 MA's), (Start: 77 @40653 has 9 MA's), (114, 40572), (117, 40557), (131, 40536), (142, 40506), (154, 40476),

Gene: Beezoo_68 Start: 44417, Stop: 44659, Start Num: 96

Candidate Starts for Beezoo_68:

(Start: 96 @44417 has 167 MA's), (127, 44507), (167, 44603), (177, 44627),

Gene: Belenaria_46 Start: 34231, Stop: 33935, Start Num: 82

Candidate Starts for Belenaria_46:

(Start: 82 @34231 has 47 MA's), (Start: 97 @34213 has 7 MA's), (Start: 99 @34207 has 11 MA's), (143, 34090), (156, 34057), (159, 34051), (185, 33991), (193, 33943),

Gene: Bella96_67 Start: 44208, Stop: 44450, Start Num: 96

Candidate Starts for Bella96_67:

(Start: 96 @44208 has 167 MA's), (127, 44298), (167, 44394), (177, 44418),

Gene: Belladonna_66 Start: 43622, Stop: 43864, Start Num: 96

Candidate Starts for Belladonna_66:

(Start: 96 @43622 has 167 MA's), (127, 43712), (167, 43808), (177, 43832),

Gene: Bellis_31 Start: 28787, Stop: 29053, Start Num: 93

Candidate Starts for Bellis_31:

(Start: 93 @28787 has 185 MA's), (Start: 99 @28799 has 11 MA's), (Start: 107 @28832 has 7 MA's),

Gene: Bench_39 Start: 32995, Stop: 33240, Start Num: 93

Candidate Starts for Bench_39:

(Start: 93 @32995 has 185 MA's), (Start: 113 @33052 has 3 MA's), (127, 33085), (131, 33091), (152, 33145), (157, 33157),

Gene: Bern_68 Start: 42879, Stop: 43121, Start Num: 96

Candidate Starts for Bern_68:

(60, 42834), (Start: 96 @42879 has 167 MA's), (127, 42969), (167, 43065), (177, 43089),

Gene: Berrie_34 Start: 25682, Stop: 25942, Start Num: 76

Candidate Starts for Berrie_34:

(12, 25445), (14, 25454), (Start: 76 @25682 has 59 MA's),

Gene: Bethlehem_61 Start: 42502, Stop: 42233, Start Num: 69

Candidate Starts for Bethlehem_61:

(Start: 69 @42502 has 27 MA's), (Start: 71 @42499 has 99 MA's), (Start: 77 @42487 has 9 MA's), (Start: 97 @42472 has 7 MA's), (Start: 99 @42466 has 11 MA's), (114, 42415), (117, 42400), (131, 42379), (142, 42349), (154, 42319), (186, 42244),

Gene: Big3_63 Start: 42551, Stop: 42288, Start Num: 71

Candidate Starts for Big3_63:

(Start: 69 @42554 has 27 MA's), (Start: 71 @42551 has 99 MA's), (Start: 77 @42539 has 9 MA's), (Start: 99 @42518 has 11 MA's), (114, 42467), (117, 42452), (131, 42431), (142, 42401), (154, 42371), (184, 42299),

Gene: Big4_346 Start: 183627, Stop: 183857, Start Num: 96

Candidate Starts for Big4_346:

(Start: 96 @183627 has 167 MA's), (117, 183699), (173, 183846),

Gene: Big4_20 Start: 8933, Stop: 9163, Start Num: 96

Candidate Starts for Big4_20:

(Start: 96 @8933 has 167 MA's), (117, 9005), (173, 9152),

Gene: Big4_204 Start: 114726, Stop: 114472, Start Num: 94

Candidate Starts for Big4_204:

(64, 114774), (Start: 94 @114726 has 66 MA's),

Gene: BigBubba_38 Start: 32898, Stop: 33143, Start Num: 93

Candidate Starts for BigBubba_38:

(Start: 93 @32898 has 185 MA's), (Start: 113 @32955 has 3 MA's), (127, 32988), (131, 32994), (149, 33042), (152, 33048), (157, 33060),

Gene: BigCheese_32 Start: 28422, Stop: 28688, Start Num: 93

Candidate Starts for BigCheese_32:

(Start: 93 @28422 has 185 MA's), (Start: 107 @28467 has 7 MA's), (129, 28518), (159, 28584), (186, 28656), (192, 28677),

Gene: BigPaolini_59 Start: 39208, Stop: 38933, Start Num: 71

Candidate Starts for BigPaolini_59:

(Start: 69 @39211 has 27 MA's), (Start: 71 @39208 has 99 MA's), (Start: 77 @39196 has 9 MA's),
(Start: 99 @39166 has 11 MA's), (114, 39115), (117, 39100), (131, 39079), (142, 39049), (154, 39019),

Gene: Bigchungji_60 Start: 41000, Stop: 40725, Start Num: 71

Candidate Starts for Bigchungji_60:

(Start: 69 @41003 has 27 MA's), (Start: 71 @41000 has 99 MA's), (Start: 77 @40988 has 9 MA's),
(114, 40907), (117, 40892), (131, 40871), (142, 40841), (154, 40811),

Gene: Bigfoot_54 Start: 40154, Stop: 39888, Start Num: 71

Candidate Starts for Bigfoot_54:

(Start: 69 @40157 has 27 MA's), (Start: 71 @40154 has 99 MA's), (Start: 77 @40142 has 9 MA's),
(Start: 99 @40121 has 11 MA's), (114, 40070), (117, 40055), (131, 40034), (142, 40004), (154, 39974),

Gene: Biglebops_55 Start: 40941, Stop: 41186, Start Num: 96

Candidate Starts for Biglebops_55:

(47, 40869), (Start: 96 @40941 has 167 MA's), (134, 41046), (151, 41088), (167, 41124),

Gene: BilboSwaggins_37 Start: 33135, Stop: 33380, Start Num: 93

Candidate Starts for BilboSwaggins_37:

(Start: 93 @33135 has 185 MA's), (Start: 113 @33192 has 3 MA's), (127, 33225), (131, 33231), (152,
33285), (157, 33297),

Gene: Bircsak_61 Start: 42809, Stop: 42543, Start Num: 71

Candidate Starts for Bircsak_61:

(Start: 69 @42812 has 27 MA's), (Start: 71 @42809 has 99 MA's), (Start: 77 @42797 has 9 MA's),
(Start: 99 @42776 has 11 MA's), (114, 42725), (117, 42710), (131, 42689), (142, 42659), (154, 42629),

Gene: Blizzard_66 Start: 43819, Stop: 44061, Start Num: 96

Candidate Starts for Blizzard_66:

(Start: 96 @43819 has 167 MA's), (127, 43909), (167, 44005), (177, 44029),

Gene: Bloom_112 Start: 87140, Stop: 87388, Start Num: 94

Candidate Starts for Bloom_112:

(Start: 94 @87140 has 66 MA's), (Start: 97 @87146 has 7 MA's), (Start: 99 @87152 has 11 MA's),

Gene: Blue_61 Start: 41818, Stop: 41588, Start Num: 99

Candidate Starts for Blue_61:

(Start: 69 @41857 has 27 MA's), (Start: 71 @41854 has 99 MA's), (Start: 77 @41842 has 9 MA's),
(Start: 99 @41818 has 11 MA's), (Start: 113 @41773 has 3 MA's), (117, 41755), (142, 41704), (176,
41629), (186, 41599),

Gene: Bobby_51 Start: 42712, Stop: 42957, Start Num: 94

Candidate Starts for Bobby_51:

(Start: 94 @42712 has 66 MA's), (145, 42844),

Gene: BobbyDazzler_46 Start: 34344, Stop: 34048, Start Num: 82

Candidate Starts for BobbyDazzler_46:

(Start: 82 @34344 has 47 MA's), (Start: 97 @34326 has 7 MA's), (Start: 99 @34320 has 11 MA's),
(143, 34203), (156, 34170), (159, 34164), (185, 34104), (193, 34056),

Gene: Bobquesha_71 Start: 42269, Stop: 42532, Start Num: 86

Candidate Starts for Bobquesha_71:

(21, 42086), (Start: 86 @42269 has 38 MA's), (127, 42371), (166, 42467), (187, 42521),

Gene: BobsGarage_32 Start: 28422, Stop: 28688, Start Num: 93

Candidate Starts for BobsGarage_32:

(Start: 93 @28422 has 185 MA's), (Start: 107 @28467 has 7 MA's), (129, 28518), (159, 28584), (186, 28656), (192, 28677),

Gene: Boiiii_66 Start: 43821, Stop: 44063, Start Num: 96

Candidate Starts for Boiiii_66:

(Start: 96 @43821 has 167 MA's), (127, 43911), (167, 44007), (177, 44031),

Gene: Boilgate_63 Start: 45255, Stop: 45500, Start Num: 86

Candidate Starts for Boilgate_63:

(Start: 86 @45255 has 38 MA's), (Start: 97 @45270 has 7 MA's), (185, 45486), (187, 45489),

Gene: Bombitas_49 Start: 43727, Stop: 43975, Start Num: 94

Candidate Starts for Bombitas_49:

(Start: 94 @43727 has 66 MA's), (145, 43859),

Gene: Bonanza_46 Start: 34272, Stop: 33976, Start Num: 82

Candidate Starts for Bonanza_46:

(Start: 82 @34272 has 47 MA's), (Start: 97 @34254 has 7 MA's), (Start: 99 @34248 has 11 MA's), (143, 34131), (156, 34098), (159, 34092), (185, 34032), (193, 33984),

Gene: Bongo_39 Start: 32762, Stop: 33040, Start Num: 79

Candidate Starts for Bongo_39:

(35, 32651), (Start: 79 @32762 has 11 MA's), (Start: 94 @32780 has 66 MA's), (114, 32843), (151, 32930), (154, 32939), (159, 32948),

Gene: BoostSeason_69 Start: 45667, Stop: 45912, Start Num: 96

Candidate Starts for BoostSeason_69:

(Start: 49 @45610 has 1 MA's), (51, 45616), (Start: 96 @45667 has 167 MA's), (127, 45757), (156, 45826), (167, 45850), (189, 45904),

Gene: Bosection6_51 Start: 33918, Stop: 34166, Start Num: 76

Candidate Starts for Bosection6_51:

(6, 33354), (10, 33573), (18, 33711), (20, 33744), (42, 33840), (Start: 76 @33918 has 59 MA's), (Start: 97 @33930 has 7 MA's), (127, 34014), (154, 34080), (156, 34083),

Gene: BourbonZero_30 Start: 28780, Stop: 29001, Start Num: 107

Candidate Starts for BourbonZero_30:

(Start: 93 @28735 has 185 MA's), (Start: 99 @28747 has 11 MA's), (Start: 107 @28780 has 7 MA's), (127, 28828),

Gene: Bradshaw_46 Start: 34298, Stop: 34002, Start Num: 82

Candidate Starts for Bradshaw_46:

(Start: 82 @34298 has 47 MA's), (Start: 97 @34280 has 7 MA's), (Start: 99 @34274 has 11 MA's), (143, 34157), (156, 34124), (159, 34118), (185, 34058), (193, 34010),

Gene: BrainDrainer_31 Start: 27763, Stop: 27981, Start Num: 107

Candidate Starts for BrainDrainer_31:

(Start: 93 @27718 has 185 MA's), (Start: 107 @27763 has 7 MA's), (157, 27877),

Gene: Breezona_32 Start: 28422, Stop: 28688, Start Num: 93

Candidate Starts for Breezona_32:

(Start: 93 @28422 has 185 MA's), (Start: 107 @28467 has 7 MA's), (129, 28518), (159, 28584), (186, 28656), (192, 28677),

Gene: Bricole_39 Start: 32748, Stop: 33026, Start Num: 79

Candidate Starts for Bricole_39:

(35, 32637), (Start: 79 @32748 has 11 MA's), (Start: 94 @32766 has 66 MA's), (114, 32829), (151, 32916), (154, 32925), (159, 32934),

Gene: Bromden_32 Start: 28137, Stop: 28400, Start Num: 93

Candidate Starts for Bromden_32:

(Start: 93 @28137 has 185 MA's), (Start: 107 @28182 has 7 MA's), (154, 28290), (186, 28371),

Gene: Bruin_37 Start: 33155, Stop: 33400, Start Num: 93

Candidate Starts for Bruin_37:

(Start: 93 @33155 has 185 MA's), (Start: 113 @33212 has 3 MA's), (127, 33245), (131, 33251), (152, 33305), (157, 33317),

Gene: BrutonGaster_100 Start: 65316, Stop: 65621, Start Num: 75

Candidate Starts for BrutonGaster_100:

(39, 65226), (Start: 75 @65316 has 2 MA's), (Start: 83 @65328 has 15 MA's), (152, 65496), (179, 65574),

Gene: Bryce_45 Start: 34052, Stop: 33756, Start Num: 82

Candidate Starts for Bryce_45:

(Start: 82 @34052 has 47 MA's), (Start: 97 @34034 has 7 MA's), (Start: 99 @34028 has 11 MA's), (143, 33911), (156, 33878), (159, 33872), (185, 33812), (193, 33764),

Gene: Bryler_70 Start: 43476, Stop: 43715, Start Num: 96

Candidate Starts for Bryler_70:

(Start: 49 @43392 has 1 MA's), (Start: 96 @43476 has 167 MA's), (Start: 99 @43485 has 11 MA's), (127, 43566), (149, 43620),

Gene: Buck_36 Start: 33091, Stop: 33336, Start Num: 93

Candidate Starts for Buck_36:

(Start: 93 @33091 has 185 MA's), (Start: 113 @33148 has 3 MA's), (127, 33181), (131, 33187), (152, 33241), (157, 33253),

Gene: BugsBunny_35 Start: 32724, Stop: 32969, Start Num: 93

Candidate Starts for BugsBunny_35:

(Start: 93 @32724 has 185 MA's), (Start: 113 @32781 has 3 MA's), (127, 32814), (131, 32820), (152, 32874), (157, 32886),

Gene: Burton_63 Start: 42834, Stop: 42568, Start Num: 71

Candidate Starts for Burton_63:

(Start: 69 @42837 has 27 MA's), (Start: 71 @42834 has 99 MA's), (Start: 77 @42822 has 9 MA's), (Start: 99 @42801 has 11 MA's), (114, 42750), (117, 42735), (131, 42714), (142, 42684), (154, 42654), (186, 42579),

Gene: Butters_53 Start: 35513, Stop: 35761, Start Num: 76

Candidate Starts for Butters_53:

(20, 35339), (42, 35435), (Start: 76 @35513 has 59 MA's), (Start: 97 @35525 has 7 MA's), (127, 35609), (154, 35675), (156, 35678),

Gene: Buttons_59 Start: 38725, Stop: 38456, Start Num: 69

Candidate Starts for Buttons_59:

(Start: 69 @38725 has 27 MA's), (Start: 71 @38722 has 99 MA's), (Start: 77 @38710 has 9 MA's), (Start: 99 @38689 has 11 MA's), (114, 38638), (117, 38623), (131, 38602), (142, 38572), (154, 38542),

Gene: Bxb1_56 Start: 39835, Stop: 39569, Start Num: 71

Candidate Starts for Bxb1_56:

(Start: 69 @39838 has 27 MA's), (Start: 71 @39835 has 99 MA's), (Start: 77 @39823 has 9 MA's), (Start: 99 @39802 has 11 MA's), (114, 39751), (117, 39736), (131, 39715), (142, 39685), (154, 39655), (186, 39580),

Gene: C3PO_50 Start: 43697, Stop: 43407, Start Num: 86

Candidate Starts for C3PO_50:

(Start: 86 @43697 has 38 MA's), (109, 43634), (149, 43520), (153, 43508),

Gene: CREW_66 Start: 43622, Stop: 43864, Start Num: 96

Candidate Starts for CREW_66:

(Start: 96 @43622 has 167 MA's), (127, 43712), (167, 43808), (177, 43832),

Gene: Cactus_38 Start: 32346, Stop: 32591, Start Num: 93

Candidate Starts for Cactus_38:

(Start: 93 @32346 has 185 MA's), (Start: 113 @32403 has 3 MA's), (127, 32436), (131, 32442), (152, 32496), (157, 32508),

Gene: CactusRose_62 Start: 41174, Stop: 40908, Start Num: 71

Candidate Starts for CactusRose_62:

(Start: 69 @41177 has 27 MA's), (Start: 71 @41174 has 99 MA's), (Start: 77 @41162 has 9 MA's), (Start: 99 @41141 has 11 MA's), (114, 41090), (117, 41075), (131, 41054), (142, 41024), (154, 40994),

Gene: Cain_70 Start: 43464, Stop: 43703, Start Num: 96

Candidate Starts for Cain_70:

(Start: 49 @43380 has 1 MA's), (Start: 96 @43464 has 167 MA's), (Start: 99 @43473 has 11 MA's), (127, 43554), (149, 43608),

Gene: CallaLilly_68 Start: 43545, Stop: 43787, Start Num: 96

Candidate Starts for CallaLilly_68:

(Start: 96 @43545 has 167 MA's), (127, 43635), (167, 43731), (177, 43755),

Gene: Calm_30 Start: 27704, Stop: 27973, Start Num: 93

Candidate Starts for Calm_30:

(Start: 93 @27704 has 185 MA's), (Start: 107 @27749 has 7 MA's), (154, 27857),

Gene: Candle_40 Start: 36392, Stop: 36637, Start Num: 86

Candidate Starts for Candle_40:

(Start: 62 @36350 has 2 MA's), (Start: 86 @36392 has 38 MA's), (Start: 99 @36413 has 11 MA's), (Start: 105 @36434 has 2 MA's), (114, 36461), (154, 36560), (156, 36563), (157, 36566), (182, 36617),

Gene: Cappuccino_31 Start: 22494, Stop: 22760, Start Num: 82

Candidate Starts for Cappuccino_31:

(Start: 82 @22494 has 47 MA's), (Start: 90 @22503 has 3 MA's), (Start: 95 @22509 has 1 MA's), (116, 22572),

Gene: Capricorn_66 Start: 43622, Stop: 43864, Start Num: 96
Candidate Starts for Capricorn_66:
(Start: 96 @43622 has 167 MA's), (127, 43712), (167, 43808), (177, 43832),

Gene: Carcharodon_50 Start: 34905, Stop: 35153, Start Num: 76
Candidate Starts for Carcharodon_50:
(8, 34491), (18, 34698), (20, 34731), (42, 34827), (Start: 76 @34905 has 59 MA's), (Start: 97 @34917 has 7 MA's), (Start: 99 @34923 has 11 MA's), (127, 35001), (154, 35067), (156, 35070),

Gene: Cardigan_134 Start: 76224, Stop: 76523, Start Num: 81
Candidate Starts for Cardigan_134:
(Start: 81 @76224 has 13 MA's), (Start: 108 @76284 has 1 MA's), (128, 76326), (132, 76335), (142, 76371), (154, 76401), (171, 76431),

Gene: Caron_44 Start: 27999, Stop: 28262, Start Num: 88
Candidate Starts for Caron_44:
(30, 27885), (31, 27888), (Start: 88 @27999 has 11 MA's), (Start: 108 @28053 has 1 MA's),

Gene: CaseJules_68 Start: 43819, Stop: 44061, Start Num: 96
Candidate Starts for CaseJules_68:
(Start: 96 @43819 has 167 MA's), (127, 43909), (167, 44005), (177, 44029),

Gene: Cassia_34 Start: 25274, Stop: 25540, Start Num: 76
Candidate Starts for Cassia_34:
(Start: 76 @25274 has 59 MA's), (156, 25457),

Gene: Cassita_54 Start: 33514, Stop: 33735, Start Num: 96
Candidate Starts for Cassita_54:
(22, 33349), (28, 33376), (29, 33379), (Start: 96 @33514 has 167 MA's), (131, 33607),

Gene: Catfish_63 Start: 40933, Stop: 41151, Start Num: 96
Candidate Starts for Catfish_63:
(Start: 96 @40933 has 167 MA's), (Start: 106 @40966 has 1 MA's), (142, 41056),

Gene: Cece_195 Start: 119232, Stop: 118984, Start Num: 94
Candidate Starts for Cece_195:
(63, 119280), (Start: 72 @119265 has 1 MA's), (Start: 94 @119232 has 66 MA's), (140, 119118), (149, 119097), (171, 119052),

Gene: Cen1621_38 Start: 25188, Stop: 25475, Start Num: 72
Candidate Starts for Cen1621_38:
(Start: 72 @25188 has 1 MA's), (Start: 97 @25215 has 7 MA's), (146, 25371), (156, 25395),

Gene: Chanagan_56 Start: 38816, Stop: 38541, Start Num: 71
Candidate Starts for Chanagan_56:
(Start: 69 @38819 has 27 MA's), (Start: 71 @38816 has 99 MA's), (Start: 77 @38804 has 9 MA's), (Start: 99 @38774 has 11 MA's), (114, 38723), (117, 38708), (131, 38687), (142, 38657), (154, 38627),

Gene: Chancellor_70 Start: 43377, Stop: 43640, Start Num: 86
Candidate Starts for Chancellor_70:

(Start: 86 @43377 has 38 MA's), (Start: 97 @43392 has 7 MA's), (127, 43479), (166, 43575), (187, 43629),

Gene: Charlie_51 Start: 33657, Stop: 33905, Start Num: 76

Candidate Starts for Charlie_51:

(6, 33093), (10, 33312), (18, 33450), (20, 33483), (42, 33579), (Start: 76 @33657 has 59 MA's), (Start: 97 @33669 has 7 MA's), (127, 33753), (154, 33819), (156, 33822),

Gene: Chaser_30 Start: 27536, Stop: 27799, Start Num: 93

Candidate Starts for Chaser_30:

(Start: 93 @27536 has 185 MA's), (Start: 107 @27581 has 7 MA's), (157, 27695),

Gene: Chavito_69 Start: 44664, Stop: 44903, Start Num: 94

Candidate Starts for Chavito_69:

(53, 44589), (Start: 94 @44664 has 66 MA's), (127, 44754), (149, 44808),

Gene: CheetoDust_66 Start: 43333, Stop: 43575, Start Num: 96

Candidate Starts for CheetoDust_66:

(60, 43288), (Start: 96 @43333 has 167 MA's), (127, 43423), (167, 43519), (177, 43543),

Gene: Cheetobro_70 Start: 43374, Stop: 43637, Start Num: 86

Candidate Starts for Cheetobro_70:

(Start: 86 @43374 has 38 MA's), (Start: 97 @43389 has 7 MA's), (127, 43476), (166, 43572), (187, 43626),

Gene: CherryTomatoes_78 Start: 28836, Stop: 29102, Start Num: 94

Candidate Starts for CherryTomatoes_78:

(Start: 94 @28836 has 66 MA's), (Start: 107 @28884 has 7 MA's), (157, 29004), (178, 29064),

Gene: Chewbacca_52 Start: 34905, Stop: 35153, Start Num: 76

Candidate Starts for Chewbacca_52:

(8, 34491), (18, 34698), (20, 34731), (42, 34827), (Start: 76 @34905 has 59 MA's), (Start: 97 @34917 has 7 MA's), (Start: 99 @34923 has 11 MA's), (127, 35001), (154, 35067), (156, 35070),

Gene: Chilliams_107 Start: 79905, Stop: 80147, Start Num: 94

Candidate Starts for Chilliams_107:

(64, 79857), (Start: 94 @79905 has 66 MA's), (127, 79995),

Gene: ChosenOne_37 Start: 32343, Stop: 32588, Start Num: 93

Candidate Starts for ChosenOne_37:

(Start: 93 @32343 has 185 MA's), (Start: 113 @32400 has 3 MA's), (127, 32433), (131, 32439), (152, 32493), (157, 32505),

Gene: ChotaBhai_37 Start: 32381, Stop: 32626, Start Num: 93

Candidate Starts for ChotaBhai_37:

(Start: 93 @32381 has 185 MA's), (Start: 113 @32438 has 3 MA's), (127, 32471), (131, 32477), (149, 32525), (152, 32531), (157, 32543),

Gene: Chris_69 Start: 44665, Stop: 44892, Start Num: 96

Candidate Starts for Chris_69:

(Start: 96 @44665 has 167 MA's), (149, 44797), (167, 44836),

Gene: Ciao_60 Start: 40180, Stop: 39914, Start Num: 71

Candidate Starts for Ciao_60:

(Start: 69 @40183 has 27 MA's), (Start: 71 @40180 has 99 MA's), (Start: 77 @40168 has 9 MA's),
(Start: 99 @40147 has 11 MA's), (114, 40096), (117, 40081), (131, 40060), (142, 40030), (154, 40000),

Gene: CicholasNage_30 Start: 27692, Stop: 27961, Start Num: 93

Candidate Starts for CicholasNage_30:

(Start: 93 @27692 has 185 MA's), (Start: 107 @27737 has 7 MA's), (154, 27845),

Gene: Cjw1_37 Start: 33895, Stop: 34140, Start Num: 93

Candidate Starts for Cjw1_37:

(Start: 93 @33895 has 185 MA's), (Start: 113 @33952 has 3 MA's), (127, 33985), (131, 33991), (152, 34045), (157, 34057),

Gene: Claus_32 Start: 28444, Stop: 28665, Start Num: 107

Candidate Starts for Claus_32:

(Start: 93 @28399 has 185 MA's), (Start: 107 @28444 has 7 MA's), (129, 28495), (135, 28513), (186, 28633), (192, 28654),

Gene: Clautastrophe_31 Start: 28784, Stop: 29050, Start Num: 93

Candidate Starts for Clautastrophe_31:

(Start: 93 @28784 has 185 MA's), (Start: 99 @28796 has 11 MA's), (Start: 107 @28829 has 7 MA's),

Gene: Clipper_71 Start: 44521, Stop: 44763, Start Num: 96

Candidate Starts for Clipper_71:

(Start: 96 @44521 has 167 MA's), (127, 44611), (167, 44707), (177, 44731),

Gene: ClubL_125 Start: 70565, Stop: 70858, Start Num: 81

Candidate Starts for ClubL_125:

(Start: 81 @70565 has 13 MA's), (Start: 105 @70613 has 2 MA's), (154, 70742),

Gene: Collard_58 Start: 40730, Stop: 40978, Start Num: 96

Candidate Starts for Collard_58:

(Start: 96 @40730 has 167 MA's), (143, 40862), (156, 40892), (174, 40925),

Gene: Command613_38 Start: 33402, Stop: 33647, Start Num: 93

Candidate Starts for Command613_38:

(Start: 93 @33402 has 185 MA's), (Start: 113 @33459 has 3 MA's), (127, 33492), (131, 33498), (152, 33552), (157, 33564),

Gene: Community_34 Start: 26806, Stop: 27072, Start Num: 76

Candidate Starts for Community_34:

(12, 26569), (14, 26578), (Start: 76 @26806 has 59 MA's),

Gene: ConceptII_64 Start: 42246, Stop: 41980, Start Num: 71

Candidate Starts for ConceptII_64:

(Start: 69 @42249 has 27 MA's), (Start: 71 @42246 has 99 MA's), (Start: 77 @42234 has 9 MA's),
(Start: 99 @42213 has 11 MA's), (114, 42162), (117, 42147), (131, 42126), (142, 42096), (154, 42066),

Gene: Constella_44 Start: 40270, Stop: 40518, Start Num: 94

Candidate Starts for Constella_44:

(Start: 94 @40270 has 66 MA's), (Start: 106 @40309 has 1 MA's), (127, 40363), (129, 40366), (154, 40423), (172, 40459), (186, 40507),

Gene: Contagion_36 Start: 32639, Stop: 32884, Start Num: 93

Candidate Starts for Contagion_36:

(Start: 93 @32639 has 185 MA's), (Start: 113 @32696 has 3 MA's), (127, 32729), (131, 32735), (149, 32783), (152, 32789), (157, 32801),

Gene: Cookies_37 Start: 33004, Stop: 33249, Start Num: 93

Candidate Starts for Cookies_37:

(Start: 93 @33004 has 185 MA's), (Start: 113 @33061 has 3 MA's), (127, 33094), (131, 33100), (149, 33148), (152, 33154), (157, 33166),

Gene: Corvo_63 Start: 42111, Stop: 41845, Start Num: 71

Candidate Starts for Corvo_63:

(Start: 69 @42114 has 27 MA's), (Start: 71 @42111 has 99 MA's), (Start: 77 @42099 has 9 MA's), (Start: 99 @42078 has 11 MA's), (114, 42027), (117, 42012), (131, 41991), (142, 41961), (154, 41931), (186, 41856),

Gene: CosmicSans_46 Start: 34298, Stop: 34002, Start Num: 82

Candidate Starts for CosmicSans_46:

(Start: 82 @34298 has 47 MA's), (Start: 97 @34280 has 7 MA's), (Start: 99 @34274 has 11 MA's), (143, 34157), (156, 34124), (159, 34118), (185, 34058), (193, 34010),

Gene: Cosmo_53 Start: 39361, Stop: 39609, Start Num: 94

Candidate Starts for Cosmo_53:

(Start: 94 @39361 has 66 MA's), (122, 39442), (142, 39490), (156, 39523), (157, 39526), (159, 39529), (172, 39562), (180, 39598),

Gene: Count_87 Start: 57913, Stop: 58173, Start Num: 86

Candidate Starts for Count_87:

(Start: 86 @57913 has 38 MA's),

Gene: Courthouse_51 Start: 40812, Stop: 41051, Start Num: 99

Candidate Starts for Courthouse_51:

(Start: 99 @40812 has 11 MA's), (Start: 106 @40839 has 1 MA's), (127, 40893), (129, 40896), (154, 40953), (172, 40989),

Gene: Crewmate_37 Start: 25536, Stop: 25778, Start Num: 77

Candidate Starts for Crewmate_37:

(12, 25278), (17, 25314), (Start: 77 @25536 has 9 MA's),

Gene: CrimD_68 Start: 44444, Stop: 44686, Start Num: 96

Candidate Starts for CrimD_68:

(Start: 96 @44444 has 167 MA's), (127, 44534), (167, 44630),

Gene: Crossroads_32 Start: 28422, Stop: 28688, Start Num: 93

Candidate Starts for Crossroads_32:

(Start: 93 @28422 has 185 MA's), (Start: 107 @28467 has 7 MA's), (129, 28518), (159, 28584), (186, 28656), (192, 28677),

Gene: Cruella_50 Start: 43697, Stop: 43407, Start Num: 86

Candidate Starts for Cruella_50:

(Start: 86 @43697 has 38 MA's), (109, 43634), (149, 43520), (153, 43508),

Gene: CrystalP_37 Start: 33135, Stop: 33380, Start Num: 93

Candidate Starts for CrystalP_37:

(Start: 93 @33135 has 185 MA's), (Start: 113 @33192 has 3 MA's), (127, 33225), (131, 33231), (152, 33285), (157, 33297),

Gene: Cucurbita_126 Start: 72310, Stop: 72600, Start Num: 83

Candidate Starts for Cucurbita_126:

(37, 72202), (43, 72217), (59, 72262), (Start: 83 @72310 has 15 MA's), (Start: 105 @72355 has 2 MA's), (154, 72484),

Gene: Culver_125 Start: 70325, Stop: 70618, Start Num: 81

Candidate Starts for Culver_125:

(Start: 81 @70325 has 13 MA's), (Start: 105 @70373 has 2 MA's), (154, 70502),

Gene: Curiosium_70 Start: 43138, Stop: 43380, Start Num: 96

Candidate Starts for Curiosium_70:

(47, 43060), (Start: 96 @43138 has 167 MA's), (127, 43228), (167, 43324), (177, 43348),

Gene: Cyan_33 Start: 24752, Stop: 24994, Start Num: 76

Candidate Starts for Cyan_33:

(12, 24494), (Start: 76 @24752 has 59 MA's), (156, 24911),

Gene: Czyszczonek1_38 Start: 32880, Stop: 33125, Start Num: 93

Candidate Starts for Czyszczonek1_38:

(Start: 93 @32880 has 185 MA's), (Start: 113 @32937 has 3 MA's), (127, 32970), (131, 32976), (152, 33030), (157, 33042),

Gene: DD5_60 Start: 41693, Stop: 41418, Start Num: 71

Candidate Starts for DD5_60:

(Start: 71 @41693 has 99 MA's), (Start: 77 @41681 has 9 MA's), (Start: 99 @41651 has 11 MA's), (114, 41600), (117, 41585), (131, 41564), (141, 41537), (142, 41534), (154, 41504), (186, 41429),

Gene: DHan_32 Start: 28380, Stop: 28601, Start Num: 107

Candidate Starts for DHan_32:

(Start: 93 @28335 has 185 MA's), (Start: 107 @28380 has 7 MA's), (129, 28431), (135, 28449), (186, 28569), (192, 28590),

Gene: DS6A_74 Start: 48826, Stop: 49065, Start Num: 96

Candidate Starts for DS6A_74:

(19, 48631), (Start: 96 @48826 has 167 MA's), (Start: 107 @48868 has 7 MA's), (118, 48901), (156, 48985),

Gene: Daddyjeff_52 Start: 34278, Stop: 34511, Start Num: 91

Candidate Starts for Daddyjeff_52:

(Start: 91 @34278 has 18 MA's), (142, 34413),

Gene: Dadosky_62 Start: 41083, Stop: 41331, Start Num: 96

Candidate Starts for Dadosky_62:

(Start: 96 @41083 has 167 MA's), (117, 41158), (151, 41230),

Gene: Daikon_36 Start: 32873, Stop: 33118, Start Num: 93

Candidate Starts for Daikon_36:

(Start: 93 @32873 has 185 MA's), (Start: 113 @32930 has 3 MA's), (127, 32963), (131, 32969), (149, 33017), (152, 33023), (157, 33035),

Gene: Dallas_54 Start: 43667, Stop: 43912, Start Num: 94

Candidate Starts for Dallas_54:

(Start: 94 @43667 has 66 MA's), (114, 43730), (127, 43760), (129, 43763), (156, 43823), (157, 43826), (159, 43829),

Gene: Dalmuri_66 Start: 43622, Stop: 43864, Start Num: 96

Candidate Starts for Dalmuri_66:

(Start: 96 @43622 has 167 MA's), (127, 43712), (167, 43808), (177, 43832),

Gene: DanBing_31 Start: 28284, Stop: 28505, Start Num: 107

Candidate Starts for DanBing_31:

(Start: 93 @28239 has 185 MA's), (Start: 107 @28284 has 7 MA's), (129, 28335), (186, 28473), (192, 28494),

Gene: Dardanus_57 Start: 37159, Stop: 37398, Start Num: 83

Candidate Starts for Dardanus_57:

(34, 37051), (Start: 83 @37159 has 15 MA's), (Start: 108 @37201 has 1 MA's), (131, 37252), (132, 37255), (152, 37306), (156, 37315), (167, 37336),

Gene: Daredevil_75 Start: 52964, Stop: 52707, Start Num: 81

Candidate Starts for Daredevil_75:

(57, 53015), (61, 53000), (66, 52991), (Start: 69 @52988 has 27 MA's), (Start: 81 @52964 has 13 MA's), (156, 52793),

Gene: DarthP_66 Start: 43967, Stop: 44206, Start Num: 96

Candidate Starts for DarthP_66:

(Start: 96 @43967 has 167 MA's), (127, 44057), (151, 44117),

Gene: Dartin_69 Start: 44123, Stop: 44362, Start Num: 93

Candidate Starts for Dartin_69:

(Start: 93 @44123 has 185 MA's), (127, 44213), (142, 44249), (149, 44267), (177, 44330),

Gene: Darwin_54 Start: 43178, Stop: 42882, Start Num: 86

Candidate Starts for Darwin_54:

(Start: 86 @43178 has 38 MA's), (109, 43115), (149, 43001), (153, 42989), (168, 42959), (172, 42956), (191, 42887),

Gene: DatBoi_82 Start: 57093, Stop: 56827, Start Num: 81

Candidate Starts for DatBoi_82:

(65, 57123), (Start: 68 @57120 has 5 MA's), (Start: 81 @57093 has 13 MA's),

Gene: Deby_67 Start: 44105, Stop: 44347, Start Num: 96

Candidate Starts for Deby_67:

(Start: 96 @44105 has 167 MA's), (127, 44195), (167, 44291), (177, 44315),

Gene: Devera_74 Start: 45458, Stop: 45700, Start Num: 96

Candidate Starts for Devera_74:

(Start: 96 @45458 has 167 MA's), (127, 45548), (167, 45644), (177, 45668),

Gene: Dexes_62 Start: 41896, Stop: 41630, Start Num: 71

Candidate Starts for Dexes_62:

(Start: 69 @41899 has 27 MA's), (Start: 71 @41896 has 99 MA's), (Start: 77 @41884 has 9 MA's), (Start: 99 @41863 has 11 MA's), (114, 41812), (117, 41797), (131, 41776), (142, 41746), (154, 41716), (186, 41641),

Gene: Diminimus_40 Start: 32761, Stop: 33039, Start Num: 79

Candidate Starts for Diminimus_40:

(35, 32650), (Start: 79 @32761 has 11 MA's), (Start: 94 @32779 has 66 MA's), (114, 32842), (151, 32929), (154, 32938), (159, 32947),

Gene: Dinger_45 Start: 34431, Stop: 34135, Start Num: 82

Candidate Starts for Dinger_45:

(Start: 82 @34431 has 47 MA's), (Start: 97 @34413 has 7 MA's), (Start: 99 @34407 has 11 MA's), (143, 34290), (156, 34257), (159, 34251), (185, 34191), (193, 34143),

Gene: DinoDaryn_63 Start: 39006, Stop: 39230, Start Num: 83

Candidate Starts for DinoDaryn_63:

(Start: 83 @39006 has 15 MA's), (Start: 108 @39048 has 1 MA's), (127, 39093), (132, 39102), (152, 39153), (156, 39162), (167, 39183),

Gene: DirkDirk_30 Start: 27718, Stop: 27942, Start Num: 107

Candidate Starts for DirkDirk_30:

(Start: 93 @27673 has 185 MA's), (Start: 107 @27718 has 7 MA's), (154, 27826),

Gene: DismalFunk_69 Start: 46092, Stop: 46337, Start Num: 96

Candidate Starts for DismalFunk_69:

(Start: 49 @46035 has 1 MA's), (51, 46041), (Start: 96 @46092 has 167 MA's), (127, 46182), (142, 46218), (156, 46251),

Gene: DismalStressor_69 Start: 46092, Stop: 46337, Start Num: 96

Candidate Starts for DismalStressor_69:

(Start: 49 @46035 has 1 MA's), (51, 46041), (Start: 96 @46092 has 167 MA's), (127, 46182), (142, 46218), (156, 46251),

Gene: DmpstrDiver_53 Start: 43660, Stop: 43905, Start Num: 94

Candidate Starts for DmpstrDiver_53:

(Start: 94 @43660 has 66 MA's), (114, 43723), (127, 43753), (129, 43756), (156, 43816), (157, 43819), (159, 43822),

Gene: DoctorDiddles_37 Start: 32297, Stop: 32542, Start Num: 93

Candidate Starts for DoctorDiddles_37:

(Start: 93 @32297 has 185 MA's), (Start: 113 @32354 has 3 MA's), (127, 32387), (131, 32393), (149, 32441), (152, 32447), (157, 32459),

Gene: Dodo_371 Start: 185243, Stop: 185473, Start Num: 96

Candidate Starts for Dodo_371:

(Start: 96 @185243 has 167 MA's), (117, 185315), (139, 185357), (170, 185444), (173, 185462),

Gene: Dodo_218 Start: 118119, Stop: 117865, Start Num: 94

Candidate Starts for Dodo_218:

(Start: 94 @118119 has 66 MA's), (138, 118005), (149, 117978), (171, 117933),

Gene: Dodo_21 Start: 7043, Stop: 7273, Start Num: 96

Candidate Starts for Dodo_21:

(Start: 96 @7043 has 167 MA's), (117, 7115), (139, 7157), (170, 7244), (173, 7262),

Gene: Dole_72 Start: 45461, Stop: 45703, Start Num: 96

Candidate Starts for Dole_72:

(Start: 96 @45461 has 167 MA's), (127, 45551), (167, 45647), (177, 45671),

Gene: Donkey_31 Start: 22496, Stop: 22762, Start Num: 82

Candidate Starts for Donkey_31:

(Start: 82 @22496 has 47 MA's), (Start: 90 @22505 has 3 MA's), (Start: 95 @22511 has 1 MA's), (116, 22574),

Gene: Doom_60 Start: 41667, Stop: 41392, Start Num: 71

Candidate Starts for Doom_60:

(Start: 69 @41670 has 27 MA's), (Start: 71 @41667 has 99 MA's), (Start: 77 @41655 has 9 MA's), (Start: 99 @41625 has 11 MA's), (114, 41574), (117, 41559), (131, 41538), (142, 41508), (154, 41478),

Gene: Douge_30 Start: 27474, Stop: 27737, Start Num: 93

Candidate Starts for Douge_30:

(Start: 93 @27474 has 185 MA's), (Start: 107 @27519 has 7 MA's), (127, 27567), (157, 27633),

Gene: Doughnut_70 Start: 45708, Stop: 45953, Start Num: 96

Candidate Starts for Doughnut_70:

(47, 45645), (Start: 96 @45708 has 167 MA's), (127, 45798), (156, 45867),

Gene: Douzhi_30 Start: 27624, Stop: 27842, Start Num: 107

Candidate Starts for Douzhi_30:

(Start: 93 @27579 has 185 MA's), (Start: 107 @27624 has 7 MA's), (157, 27738),

Gene: Dove_49 Start: 43194, Stop: 43442, Start Num: 94

Candidate Starts for Dove_49:

(Start: 94 @43194 has 66 MA's), (Start: 106 @43233 has 1 MA's), (127, 43287), (129, 43290), (154, 43347), (172, 43383), (186, 43431),

Gene: DrDrey_38 Start: 33627, Stop: 33872, Start Num: 93

Candidate Starts for DrDrey_38:

(Start: 93 @33627 has 185 MA's), (Start: 113 @33684 has 3 MA's), (127, 33717), (131, 33723), (152, 33777), (157, 33789),

Gene: DrFeelGood_58 Start: 40034, Stop: 39777, Start Num: 78

Candidate Starts for DrFeelGood_58:

(Start: 78 @40034 has 10 MA's), (Start: 97 @40016 has 7 MA's), (Start: 99 @40010 has 11 MA's), (114, 39959), (117, 39944), (131, 39923), (142, 39893), (154, 39863),

Gene: DrHayes_67 Start: 44362, Stop: 44604, Start Num: 96

Candidate Starts for DrHayes_67:

(Start: 96 @44362 has 167 MA's), (127, 44452), (167, 44548), (177, 44572),

Gene: DrManhattan_32 Start: 23095, Stop: 23340, Start Num: 91

Candidate Starts for DrManhattan_32:

(9, 22726), (12, 22840), (17, 22876), (Start: 91 @23095 has 18 MA's),

Gene: DrSeegs_32 Start: 28422, Stop: 28688, Start Num: 93

Candidate Starts for DrSeegs_32:

(Start: 93 @28422 has 185 MA's), (Start: 107 @28467 has 7 MA's), (129, 28518), (159, 28584), (186, 28656), (192, 28677),

Gene: DrSierra_32 Start: 23583, Stop: 23849, Start Num: 76

Candidate Starts for DrSierra_32:

(12, 23325), (17, 23361), (40, 23499), (Start: 76 @23583 has 59 MA's), (156, 23766),

Gene: Dreamboat_63 Start: 40328, Stop: 40062, Start Num: 71

Candidate Starts for Dreamboat_63:

(Start: 71 @40328 has 99 MA's), (Start: 77 @40316 has 9 MA's), (Start: 97 @40301 has 7 MA's), (Start: 99 @40295 has 11 MA's), (114, 40244), (117, 40229), (131, 40208), (142, 40178), (154, 40148), (186, 40073),

Gene: Duke13_55 Start: 43999, Stop: 44247, Start Num: 94

Candidate Starts for Duke13_55:

(Start: 94 @43999 has 66 MA's), (145, 44131),

Gene: Dulcie_62 Start: 42668, Stop: 42411, Start Num: 78

Candidate Starts for Dulcie_62:

(Start: 78 @42668 has 10 MA's), (Start: 97 @42650 has 7 MA's), (Start: 99 @42644 has 11 MA's), (114, 42593), (117, 42578), (131, 42557), (142, 42527), (154, 42497),

Gene: Dulcita_40 Start: 32761, Stop: 33039, Start Num: 79

Candidate Starts for Dulcita_40:

(35, 32650), (Start: 79 @32761 has 11 MA's), (Start: 94 @32779 has 66 MA's), (114, 32842), (151, 32929), (154, 32938), (159, 32947),

Gene: Dumbo_37 Start: 32602, Stop: 32847, Start Num: 93

Candidate Starts for Dumbo_37:

(Start: 93 @32602 has 185 MA's), (Start: 113 @32659 has 3 MA's), (127, 32692), (131, 32698), (152, 32752), (157, 32764),

Gene: DuncansLeg_31 Start: 28758, Stop: 29024, Start Num: 93

Candidate Starts for DuncansLeg_31:

(Start: 93 @28758 has 185 MA's), (Start: 99 @28770 has 11 MA's), (Start: 107 @28803 has 7 MA's), (127, 28851),

Gene: DunneganBoMo_101 Start: 82929, Stop: 83189, Start Num: 94

Candidate Starts for DunneganBoMo_101:

(Start: 94 @82929 has 66 MA's), (171, 83118), (177, 83148), (178, 83151),

Gene: Duplicity_50 Start: 34914, Stop: 35162, Start Num: 76

Candidate Starts for Duplicity_50:

(8, 34500), (18, 34707), (20, 34740), (42, 34836), (Start: 76 @34914 has 59 MA's), (Start: 97 @34926 has 7 MA's), (Start: 99 @34932 has 11 MA's), (127, 35010), (154, 35076), (156, 35079),

Gene: Durfee_66 Start: 43819, Stop: 44061, Start Num: 96

Candidate Starts for Durfee_66:

(Start: 96 @43819 has 167 MA's), (127, 43909), (167, 44005), (177, 44029),

Gene: Dusk_36 Start: 32787, Stop: 33032, Start Num: 93

Candidate Starts for Dusk_36:

(Start: 93 @32787 has 185 MA's), (Start: 113 @32844 has 3 MA's), (127, 32877), (131, 32883), (149, 32931), (152, 32937), (157, 32949),

Gene: Dussy_62 Start: 41689, Stop: 41423, Start Num: 71

Candidate Starts for Dussy_62:

(Start: 69 @41692 has 27 MA's), (Start: 71 @41689 has 99 MA's), (Start: 77 @41677 has 9 MA's), (Start: 99 @41656 has 11 MA's), (114, 41605), (117, 41590), (131, 41569), (142, 41539), (154, 41509),

Gene: Dusty_121 Start: 70537, Stop: 70830, Start Num: 81

Candidate Starts for Dusty_121:

(Start: 81 @70537 has 13 MA's), (Start: 105 @70585 has 2 MA's), (154, 70714),

Gene: Dynamix_64 Start: 40678, Stop: 40409, Start Num: 69

Candidate Starts for Dynamix_64:

(Start: 69 @40678 has 27 MA's), (Start: 71 @40675 has 99 MA's), (Start: 77 @40663 has 9 MA's), (Start: 99 @40642 has 11 MA's), (117, 40576), (131, 40555), (142, 40525), (154, 40495), (186, 40420),

Gene: DyoEdafos_31 Start: 27675, Stop: 27938, Start Num: 93

Candidate Starts for DyoEdafos_31:

(Start: 93 @27675 has 185 MA's), (Start: 107 @27720 has 7 MA's), (157, 27834),

Gene: EGUnicorn_51 Start: 33605, Stop: 33853, Start Num: 76

Candidate Starts for EGUnicorn_51:

(8, 33191), (18, 33398), (20, 33431), (42, 33527), (Start: 76 @33605 has 59 MA's), (Start: 97 @33617 has 7 MA's), (Start: 99 @33623 has 11 MA's), (127, 33701), (154, 33767), (156, 33770),

Gene: Easy2Say_39 Start: 34385, Stop: 34630, Start Num: 93

Candidate Starts for Easy2Say_39:

(Start: 93 @34385 has 185 MA's), (Start: 113 @34442 has 3 MA's), (127, 34475), (131, 34481), (152, 34535), (157, 34547),

Gene: EdogawaKiddo_56 Start: 38208, Stop: 38002, Start Num: 111

Candidate Starts for EdogawaKiddo_56:

(Start: 81 @38274 has 13 MA's), (Start: 88 @38265 has 11 MA's), (Start: 111 @38208 has 1 MA's), (126, 38172), (142, 38133), (152, 38106), (157, 38094),

Gene: Edtherson_61 Start: 41661, Stop: 41386, Start Num: 71

Candidate Starts for Edtherson_61:

(Start: 69 @41664 has 27 MA's), (Start: 71 @41661 has 99 MA's), (Start: 77 @41649 has 9 MA's), (Start: 99 @41619 has 11 MA's), (114, 41568), (117, 41553), (131, 41532), (142, 41502), (154, 41472),

Gene: Edugator_59 Start: 42504, Stop: 42752, Start Num: 96

Candidate Starts for Edugator_59:

(Start: 96 @42504 has 167 MA's), (117, 42579), (151, 42651),

Gene: Eevee_51 Start: 37090, Stop: 37338, Start Num: 91

Candidate Starts for Eevee_51:

(Start: 91 @37090 has 18 MA's), (131, 37189), (133, 37195), (154, 37249), (156, 37252), (159, 37258), (183, 37327),

Gene: Efra2_72 Start: 44206, Stop: 44448, Start Num: 96

Candidate Starts for Efra2_72:

(47, 44128), (Start: 96 @44206 has 167 MA's), (127, 44296), (167, 44392),

Gene: Ejimix_52 Start: 44918, Stop: 45163, Start Num: 94
Candidate Starts for Ejimix_52:
(Start: 94 @44918 has 66 MA's), (114, 44981), (127, 45011), (129, 45014), (156, 45074), (157, 45077),
(159, 45080),

Gene: Ekdilam_63 Start: 44192, Stop: 44431, Start Num: 96
Candidate Starts for Ekdilam_63:
(Start: 96 @44192 has 167 MA's), (Start: 99 @44201 has 11 MA's), (127, 44282),

Gene: Elezi_34 Start: 26623, Stop: 26880, Start Num: 91
Candidate Starts for Elezi_34:
(12, 26386), (13, 26395), (Start: 91 @26623 has 18 MA's), (Start: 108 @26671 has 1 MA's), (159,
26788),

Gene: Elite2014_36 Start: 32342, Stop: 32587, Start Num: 93
Candidate Starts for Elite2014_36:
(Start: 93 @32342 has 185 MA's), (Start: 113 @32399 has 3 MA's), (127, 32432), (131, 32438), (152,
32492), (157, 32504),

Gene: Ellewin_99 Start: 82340, Stop: 82600, Start Num: 94
Candidate Starts for Ellewin_99:
(Start: 94 @82340 has 66 MA's), (171, 82529), (177, 82559), (178, 82562),

Gene: Ellie_62 Start: 43425, Stop: 43667, Start Num: 96
Candidate Starts for Ellie_62:
(Start: 48 @43356 has 1 MA's), (Start: 96 @43425 has 167 MA's), (Start: 99 @43434 has 11 MA's),
(114, 43485), (127, 43515), (167, 43611), (177, 43635),

Gene: Ellson_31 Start: 28745, Stop: 29011, Start Num: 93
Candidate Starts for Ellson_31:
(Start: 93 @28745 has 185 MA's), (Start: 99 @28757 has 11 MA's), (Start: 107 @28790 has 7 MA's),
(127, 28838),

Gene: Elph10_38 Start: 32605, Stop: 32850, Start Num: 93
Candidate Starts for Elph10_38:
(Start: 93 @32605 has 185 MA's), (Start: 113 @32662 has 3 MA's), (127, 32695), (131, 32701), (152,
32755), (157, 32767),

Gene: Emerson_68 Start: 43939, Stop: 44181, Start Num: 96
Candidate Starts for Emerson_68:
(Start: 96 @43939 has 167 MA's), (127, 44029), (167, 44125), (177, 44149),

Gene: EmiRose_45 Start: 36642, Stop: 36902, Start Num: 85
Candidate Starts for EmiRose_45:
(Start: 85 @36642 has 1 MA's), (134, 36756), (137, 36765), (159, 36816), (161, 36819),

Gene: Emmina_38 Start: 32963, Stop: 33208, Start Num: 93
Candidate Starts for Emmina_38:
(Start: 93 @32963 has 185 MA's), (Start: 113 @33020 has 3 MA's), (127, 33053), (131, 33059), (152,
33113), (157, 33125),

Gene: Enceladus_30 Start: 27674, Stop: 27943, Start Num: 93

Candidate Starts for Enceladus_30:

(Start: 93 @27674 has 185 MA's), (Start: 107 @27719 has 7 MA's), (154, 27827),

Gene: Engineer_127 Start: 71970, Stop: 72260, Start Num: 83

Candidate Starts for Engineer_127:

(37, 71862), (43, 71877), (59, 71922), (Start: 83 @71970 has 15 MA's), (Start: 105 @72015 has 2 MA's), (154, 72144),

Gene: EniyanLRS_50 Start: 39059, Stop: 39307, Start Num: 94

Candidate Starts for EniyanLRS_50:

(Start: 94 @39059 has 66 MA's), (122, 39140), (142, 39188), (156, 39221), (157, 39224), (159, 39227), (172, 39260), (180, 39296),

Gene: Enkosi_57 Start: 43554, Stop: 43799, Start Num: 96

Candidate Starts for Enkosi_57:

(47, 43482), (Start: 96 @43554 has 167 MA's), (134, 43659), (151, 43701), (167, 43737),

Gene: EnzoK_61 Start: 38636, Stop: 38361, Start Num: 71

Candidate Starts for EnzoK_61:

(Start: 69 @38639 has 27 MA's), (Start: 71 @38636 has 99 MA's), (Start: 77 @38624 has 9 MA's), (Start: 99 @38594 has 11 MA's), (114, 38543), (117, 38528), (131, 38507), (142, 38477), (154, 38447), (166, 38423), (186, 38372),

Gene: Eponine_72 Start: 44220, Stop: 44483, Start Num: 86

Candidate Starts for Eponine_72:

(Start: 86 @44220 has 38 MA's), (Start: 97 @44235 has 7 MA's), (127, 44322), (166, 44418), (183, 44463), (187, 44472),

Gene: Eraser_34 Start: 26614, Stop: 26871, Start Num: 91

Candidate Starts for Eraser_34:

(12, 26377), (13, 26386), (Start: 91 @26614 has 18 MA's), (Start: 108 @26662 has 1 MA's), (159, 26779),

Gene: EricMillard_52 Start: 44419, Stop: 44664, Start Num: 94

Candidate Starts for EricMillard_52:

(Start: 94 @44419 has 66 MA's), (114, 44482), (127, 44512), (129, 44515), (156, 44575), (157, 44578), (159, 44581),

Gene: Erik_46 Start: 34230, Stop: 33934, Start Num: 82

Candidate Starts for Erik_46:

(Start: 82 @34230 has 47 MA's), (Start: 97 @34212 has 7 MA's), (Start: 99 @34206 has 11 MA's), (143, 34089), (156, 34056), (159, 34050), (185, 33990), (193, 33942),

Gene: Espica_46 Start: 34231, Stop: 33935, Start Num: 82

Candidate Starts for Espica_46:

(Start: 82 @34231 has 47 MA's), (Start: 97 @34213 has 7 MA's), (Start: 99 @34207 has 11 MA's), (143, 34090), (156, 34057), (159, 34051), (185, 33991), (193, 33943),

Gene: Espresso_59 Start: 41111, Stop: 40833, Start Num: 69

Candidate Starts for Espresso_59:

(Start: 69 @41111 has 27 MA's), (Start: 71 @41108 has 99 MA's), (Start: 77 @41096 has 9 MA's), (Start: 99 @41066 has 11 MA's), (114, 41015), (117, 41000), (131, 40979), (142, 40949), (154, 40919),

Gene: Estes_45 Start: 34058, Stop: 34309, Start Num: 94

Candidate Starts for Estes_45:

(Start: 94 @34058 has 66 MA's), (127, 34151), (147, 34202), (149, 34205), (181, 34274),

Gene: Euphoria_60 Start: 40818, Stop: 40552, Start Num: 71

Candidate Starts for Euphoria_60:

(Start: 69 @40821 has 27 MA's), (Start: 71 @40818 has 99 MA's), (Start: 77 @40806 has 9 MA's),
(Start: 99 @40785 has 11 MA's), (114, 40734), (117, 40719), (142, 40668), (176, 40593), (186, 40563),

Gene: Eureka_38 Start: 33647, Stop: 33895, Start Num: 90

Candidate Starts for Eureka_38:

(55, 33578), (56, 33581), (67, 33608), (Start: 90 @33647 has 3 MA's), (Start: 113 @33707 has 3 MA's),
(127, 33740), (131, 33746), (152, 33800), (157, 33812),

Gene: FairyPath_37 Start: 33387, Stop: 33575, Start Num: 113

Candidate Starts for FairyPath_37:

(Start: 93 @33330 has 185 MA's), (Start: 113 @33387 has 3 MA's), (127, 33420), (131, 33426), (152,
33480), (157, 33492),

Gene: Faith1_32 Start: 28422, Stop: 28688, Start Num: 93

Candidate Starts for Faith1_32:

(Start: 93 @28422 has 185 MA's), (Start: 107 @28467 has 7 MA's), (129, 28518), (159, 28584), (186,
28656), (192, 28677),

Gene: Fajezeel_63 Start: 40885, Stop: 40616, Start Num: 69

Candidate Starts for Fajezeel_63:

(Start: 69 @40885 has 27 MA's), (Start: 71 @40882 has 99 MA's), (Start: 77 @40870 has 9 MA's),
(Start: 99 @40849 has 11 MA's), (114, 40798), (117, 40783), (131, 40762), (142, 40732), (154, 40702),
(186, 40627),

Gene: FarmResident_30 Start: 27563, Stop: 27781, Start Num: 107

Candidate Starts for FarmResident_30:

(Start: 93 @27518 has 185 MA's), (Start: 107 @27563 has 7 MA's), (127, 27611), (157, 27677),

Gene: Fascinus_56 Start: 40671, Stop: 40402, Start Num: 69

Candidate Starts for Fascinus_56:

(Start: 69 @40671 has 27 MA's), (Start: 71 @40668 has 99 MA's), (Start: 77 @40656 has 9 MA's),
(Start: 99 @40635 has 11 MA's), (114, 40584), (117, 40569), (131, 40548), (142, 40518), (154, 40488),

Gene: Fefferhead_64 Start: 43334, Stop: 43576, Start Num: 96

Candidate Starts for Fefferhead_64:

(Start: 48 @43265 has 1 MA's), (Start: 96 @43334 has 167 MA's), (Start: 99 @43343 has 11 MA's),
(114, 43394), (127, 43424), (167, 43520),

Gene: Feyre_63 Start: 44492, Stop: 44740, Start Num: 96

Candidate Starts for Feyre_63:

(Start: 96 @44492 has 167 MA's), (117, 44567), (151, 44639), (162, 44663),

Gene: Filch_38 Start: 32893, Stop: 33138, Start Num: 93

Candidate Starts for Filch_38:

(Start: 93 @32893 has 185 MA's), (Start: 113 @32950 has 3 MA's), (127, 32983), (131, 32989), (152,
33043), (157, 33055),

Gene: Findley_69 Start: 46086, Stop: 46331, Start Num: 96
Candidate Starts for Findley_69:
(47, 46023), (Start: 96 @46086 has 167 MA's), (127, 46176), (156, 46245),

Gene: Finemlucis_32 Start: 28698, Stop: 28964, Start Num: 93
Candidate Starts for Finemlucis_32:
(Start: 93 @28698 has 185 MA's), (Start: 107 @28743 has 7 MA's), (129, 28794), (159, 28860), (186, 28932), (192, 28953),

Gene: Finnry_31 Start: 28788, Stop: 29054, Start Num: 93
Candidate Starts for Finnry_31:
(Start: 93 @28788 has 185 MA's), (Start: 99 @28800 has 11 MA's), (Start: 107 @28833 has 7 MA's),

Gene: Fionnbharth_70 Start: 43618, Stop: 43881, Start Num: 86
Candidate Starts for Fionnbharth_70:
(Start: 86 @43618 has 38 MA's), (Start: 97 @43633 has 7 MA's), (127, 43720), (166, 43816), (187, 43870),

Gene: FireRed_37 Start: 33163, Stop: 33408, Start Num: 93
Candidate Starts for FireRed_37:
(Start: 93 @33163 has 185 MA's), (Start: 113 @33220 has 3 MA's), (127, 33253), (131, 33259), (152, 33313), (157, 33325),

Gene: Floof_43 Start: 27647, Stop: 27949, Start Num: 82
Candidate Starts for Floof_43:
(Start: 82 @27647 has 47 MA's), (Start: 97 @27665 has 7 MA's), (123, 27767), (132, 27785), (141, 27818), (179, 27932),

Gene: Flypotenuse_35 Start: 32731, Stop: 32976, Start Num: 93
Candidate Starts for Flypotenuse_35:
(Start: 93 @32731 has 185 MA's), (Start: 113 @32788 has 3 MA's), (127, 32821), (131, 32827), (149, 32875), (152, 32881), (157, 32893),

Gene: FoghornLeghorn_36 Start: 32639, Stop: 32884, Start Num: 93
Candidate Starts for FoghornLeghorn_36:
(Start: 93 @32639 has 185 MA's), (Start: 113 @32696 has 3 MA's), (127, 32729), (131, 32735), (152, 32789), (157, 32801),

Gene: Footloose_59 Start: 33811, Stop: 34044, Start Num: 91
Candidate Starts for Footloose_59:
(Start: 91 @33811 has 18 MA's), (Start: 99 @33826 has 11 MA's), (122, 33895), (142, 33931), (145, 33940), (164, 33967),

Gene: Francis47_60 Start: 41735, Stop: 41460, Start Num: 71
Candidate Starts for Francis47_60:
(Start: 69 @41738 has 27 MA's), (Start: 71 @41735 has 99 MA's), (Start: 77 @41723 has 9 MA's), (Start: 99 @41693 has 11 MA's), (114, 41642), (117, 41627), (131, 41606), (142, 41576), (154, 41546),

Gene: FreakyGoo_40 Start: 32780, Stop: 33040, Start Num: 94
Candidate Starts for FreakyGoo_40:
(35, 32651), (Start: 79 @32762 has 11 MA's), (Start: 94 @32780 has 66 MA's), (114, 32843), (151, 32930), (154, 32939), (159, 32948),

Gene: Froghopper_60 Start: 40239, Stop: 39964, Start Num: 71

Candidate Starts for Froghopper_60:

(Start: 69 @40242 has 27 MA's), (Start: 71 @40239 has 99 MA's), (Start: 77 @40227 has 9 MA's),
(Start: 99 @40197 has 11 MA's), (114, 40146), (117, 40131), (131, 40110), (142, 40080), (154, 40050),
(186, 39975),

Gene: Fryberger_117 Start: 56141, Stop: 56380, Start Num: 97

Candidate Starts for Fryberger_117:

(Start: 97 @56141 has 7 MA's), (143, 56264), (177, 56336), (178, 56339),

Gene: Fulbright_49 Start: 33994, Stop: 34242, Start Num: 76

Candidate Starts for Fulbright_49:

(8, 33580), (18, 33787), (20, 33820), (42, 33916), (Start: 76 @33994 has 59 MA's), (Start: 97 @34006
has 7 MA's), (Start: 99 @34012 has 11 MA's), (127, 34090), (154, 34156), (156, 34159),

Gene: Fushigi_58 Start: 39205, Stop: 38936, Start Num: 69

Candidate Starts for Fushigi_58:

(Start: 69 @39205 has 27 MA's), (Start: 71 @39202 has 99 MA's), (Start: 77 @39190 has 9 MA's),
(Start: 99 @39169 has 11 MA's), (114, 39118), (117, 39103), (131, 39082), (142, 39052), (154, 39022),

Gene: Gabriela_32 Start: 28684, Stop: 28950, Start Num: 93

Candidate Starts for Gabriela_32:

(Start: 93 @28684 has 185 MA's), (Start: 107 @28729 has 7 MA's), (129, 28780), (159, 28846), (186,
28918), (192, 28939),

Gene: Gage_39 Start: 33125, Stop: 33370, Start Num: 93

Candidate Starts for Gage_39:

(Start: 93 @33125 has 185 MA's), (Start: 113 @33182 has 3 MA's), (127, 33215), (131, 33221), (152,
33275), (157, 33287),

Gene: GageAP_63 Start: 41646, Stop: 41380, Start Num: 71

Candidate Starts for GageAP_63:

(Start: 69 @41649 has 27 MA's), (Start: 71 @41646 has 99 MA's), (Start: 77 @41634 has 9 MA's),
(Start: 99 @41613 has 11 MA's), (114, 41562), (117, 41547), (131, 41526), (142, 41496), (154, 41466),
(186, 41391),

Gene: Gambol_31 Start: 22494, Stop: 22760, Start Num: 82

Candidate Starts for Gambol_31:

(Start: 82 @22494 has 47 MA's), (Start: 90 @22503 has 3 MA's), (Start: 95 @22509 has 1 MA's), (116,
22572),

Gene: Gandalf20_64 Start: 42393, Stop: 42118, Start Num: 71

Candidate Starts for Gandalf20_64:

(Start: 69 @42396 has 27 MA's), (Start: 71 @42393 has 99 MA's), (Start: 77 @42381 has 9 MA's),
(Start: 99 @42351 has 11 MA's), (114, 42300), (117, 42285), (131, 42264), (142, 42234), (154, 42204),

Gene: Ganymede_66 Start: 43845, Stop: 44087, Start Num: 96

Candidate Starts for Ganymede_66:

(Start: 96 @43845 has 167 MA's), (127, 43935), (167, 44031), (177, 44055),

Gene: Gardann_32 Start: 28424, Stop: 28690, Start Num: 93

Candidate Starts for Gardann_32:

(Start: 93 @28424 has 185 MA's), (Start: 107 @28469 has 7 MA's), (129, 28520), (159, 28586), (186, 28658), (192, 28679),

Gene: GardenSalsa_44 Start: 33882, Stop: 34133, Start Num: 94

Candidate Starts for GardenSalsa_44:

(Start: 94 @33882 has 66 MA's), (147, 34026), (149, 34029), (156, 34044), (181, 34098),

Gene: GardenState_42 Start: 27075, Stop: 27341, Start Num: 88

Candidate Starts for GardenState_42:

(Start: 88 @27075 has 11 MA's),

Gene: Gator_35 Start: 32743, Stop: 32988, Start Num: 93

Candidate Starts for Gator_35:

(Start: 93 @32743 has 185 MA's), (Start: 113 @32800 has 3 MA's), (127, 32833), (131, 32839), (152, 32893), (157, 32905),

Gene: Geeche_123 Start: 70760, Stop: 71053, Start Num: 81

Candidate Starts for Geeche_123:

(Start: 81 @70760 has 13 MA's), (Start: 105 @70808 has 2 MA's), (154, 70937),

Gene: Gemini_40 Start: 33642, Stop: 33887, Start Num: 93

Candidate Starts for Gemini_40:

(Start: 93 @33642 has 185 MA's), (Start: 113 @33699 has 3 MA's), (127, 33732), (131, 33738), (152, 33792), (157, 33804),

Gene: GenevaB15_44 Start: 33930, Stop: 34181, Start Num: 94

Candidate Starts for GenevaB15_44:

(Start: 94 @33930 has 66 MA's), (127, 34023), (147, 34074), (149, 34077), (156, 34092), (181, 34146),

Gene: Gengar_60 Start: 42478, Stop: 42726, Start Num: 96

Candidate Starts for Gengar_60:

(Start: 96 @42478 has 167 MA's), (115, 42541),

Gene: Geraldini_69 Start: 44501, Stop: 44743, Start Num: 96

Candidate Starts for Geraldini_69:

(Start: 96 @44501 has 167 MA's), (127, 44591), (167, 44687), (177, 44711),

Gene: Gex_50 Start: 34921, Stop: 35169, Start Num: 76

Candidate Starts for Gex_50:

(8, 34507), (18, 34714), (20, 34747), (42, 34843), (Start: 76 @34921 has 59 MA's), (Start: 97 @34933 has 7 MA's), (Start: 99 @34939 has 11 MA's), (127, 35017), (154, 35083), (156, 35086),

Gene: Giorgio_31 Start: 22596, Stop: 22862, Start Num: 82

Candidate Starts for Giorgio_31:

(Start: 82 @22596 has 47 MA's), (Start: 95 @22611 has 1 MA's), (116, 22674), (169, 22794),

Gene: Glaske16_40 Start: 32761, Stop: 33039, Start Num: 79

Candidate Starts for Glaske16_40:

(35, 32650), (Start: 79 @32761 has 11 MA's), (Start: 94 @32779 has 66 MA's), (114, 32842), (151, 32929), (154, 32938), (159, 32947),

Gene: Glexan_35 Start: 32731, Stop: 32976, Start Num: 93

Candidate Starts for Glexan_35:

(Start: 93 @32731 has 185 MA's), (Start: 113 @32788 has 3 MA's), (127, 32821), (131, 32827), (149, 32875), (152, 32881), (157, 32893),

Gene: Goib_64 Start: 40122, Stop: 40346, Start Num: 83

Candidate Starts for Goib_64:

(Start: 83 @40122 has 15 MA's), (Start: 108 @40164 has 1 MA's), (127, 40209), (132, 40218), (152, 40269), (156, 40278),

Gene: Goku_38 Start: 33376, Stop: 33624, Start Num: 90

Candidate Starts for Goku_38:

(55, 33307), (56, 33310), (67, 33337), (Start: 90 @33376 has 3 MA's), (Start: 113 @33436 has 3 MA's), (127, 33469), (131, 33475), (152, 33529), (157, 33541),

Gene: GoldenEssence_97 Start: 80932, Stop: 81180, Start Num: 94

Candidate Starts for GoldenEssence_97:

(Start: 94 @80932 has 66 MA's), (Start: 97 @80938 has 7 MA's), (Start: 99 @80944 has 11 MA's),

Gene: GoldenSpark_39 Start: 33125, Stop: 33370, Start Num: 93

Candidate Starts for GoldenSpark_39:

(Start: 93 @33125 has 185 MA's), (Start: 113 @33182 has 3 MA's), (127, 33215), (131, 33221), (152, 33275), (157, 33287),

Gene: Goldilocks_38 Start: 32545, Stop: 32790, Start Num: 93

Candidate Starts for Goldilocks_38:

(Start: 93 @32545 has 185 MA's), (Start: 113 @32602 has 3 MA's), (127, 32635), (131, 32641), (152, 32695), (157, 32707),

Gene: Gollum_46 Start: 34296, Stop: 34000, Start Num: 82

Candidate Starts for Gollum_46:

(Start: 82 @34296 has 47 MA's), (Start: 97 @34278 has 7 MA's), (Start: 99 @34272 has 11 MA's), (143, 34155), (156, 34122), (159, 34116), (185, 34056), (193, 34008),

Gene: Gompeii16_61 Start: 42810, Stop: 42544, Start Num: 71

Candidate Starts for Gompeii16_61:

(Start: 69 @42813 has 27 MA's), (Start: 71 @42810 has 99 MA's), (Start: 77 @42798 has 9 MA's), (Start: 99 @42777 has 11 MA's), (114, 42726), (117, 42711), (131, 42690), (142, 42660), (154, 42630),

Gene: Gonephishing_53 Start: 42117, Stop: 42329, Start Num: 106

Candidate Starts for Gonephishing_53:

(Start: 99 @42090 has 11 MA's), (Start: 106 @42117 has 1 MA's), (127, 42171), (129, 42174), (154, 42231), (172, 42267),

Gene: GooberAzure_39 Start: 33125, Stop: 33370, Start Num: 93

Candidate Starts for GooberAzure_39:

(Start: 93 @33125 has 185 MA's), (Start: 113 @33182 has 3 MA's), (127, 33215), (131, 33221), (152, 33275), (157, 33287),

Gene: Graduation_66 Start: 42500, Stop: 42234, Start Num: 71

Candidate Starts for Graduation_66:

(Start: 69 @42503 has 27 MA's), (Start: 71 @42500 has 99 MA's), (Start: 77 @42488 has 9 MA's), (Start: 99 @42467 has 11 MA's), (114, 42416), (117, 42401), (131, 42380), (142, 42350), (154, 42320), (186, 42245),

Gene: GrecoEtereo_61 Start: 40288, Stop: 40022, Start Num: 71

Candidate Starts for GrecoEtereo_61:

(Start: 69 @40291 has 27 MA's), (Start: 71 @40288 has 99 MA's), (Start: 77 @40276 has 9 MA's),
(Start: 99 @40255 has 11 MA's), (114, 40204), (117, 40189), (131, 40168), (142, 40138), (154, 40108),

Gene: Greely_81 Start: 31000, Stop: 31251, Start Num: 94

Candidate Starts for Greely_81:

(Start: 94 @31000 has 66 MA's), (Start: 108 @31045 has 1 MA's), (142, 31126),

Gene: Greg_63 Start: 40885, Stop: 40616, Start Num: 69

Candidate Starts for Greg_63:

(Start: 69 @40885 has 27 MA's), (Start: 71 @40882 has 99 MA's), (Start: 77 @40870 has 9 MA's),
(Start: 99 @40849 has 11 MA's), (114, 40798), (117, 40783), (131, 40762), (142, 40732), (154, 40702),
(186, 40627),

Gene: Gretchen_42 Start: 28431, Stop: 28688, Start Num: 88

Candidate Starts for Gretchen_42:

(Start: 88 @28431 has 11 MA's), (Start: 108 @28485 has 1 MA's), (156, 28611), (164, 28623), (169,
28635),

Gene: Gspu1_55 Start: 37586, Stop: 37813, Start Num: 96

Candidate Starts for Gspu1_55:

(Start: 96 @37586 has 167 MA's), (Start: 108 @37628 has 1 MA's), (126, 37670), (154, 37739), (162,
37748), (181, 37796),

Gene: Guanica15_71 Start: 43944, Stop: 44186, Start Num: 96

Candidate Starts for Guanica15_71:

(47, 43866), (Start: 96 @43944 has 167 MA's), (167, 44130),

Gene: Guey18_121 Start: 57464, Stop: 57703, Start Num: 97

Candidate Starts for Guey18_121:

(Start: 97 @57464 has 7 MA's), (143, 57587), (177, 57659), (178, 57662),

Gene: Guillsminger_61 Start: 42432, Stop: 42680, Start Num: 96

Candidate Starts for Guillsminger_61:

(Start: 96 @42432 has 167 MA's), (117, 42507), (151, 42579),

Gene: Gumpizza_31 Start: 22588, Stop: 22854, Start Num: 82

Candidate Starts for Gumpizza_31:

(Start: 82 @22588 has 47 MA's), (Start: 95 @22603 has 1 MA's), (116, 22666), (169, 22786),

Gene: GuuelaD_32 Start: 28456, Stop: 28722, Start Num: 93

Candidate Starts for GuuelaD_32:

(Start: 93 @28456 has 185 MA's), (Start: 107 @28501 has 7 MA's), (129, 28552), (159, 28618), (186,
28690), (192, 28711),

Gene: Gwendoluna_65 Start: 43032, Stop: 42778, Start Num: 77

Candidate Starts for Gwendoluna_65:

(Start: 68 @43044 has 5 MA's), (Start: 77 @43032 has 9 MA's), (Start: 99 @43011 has 11 MA's), (114,
42960), (117, 42945), (131, 42924), (138, 42903), (142, 42894), (154, 42864),

Gene: Gyzlar_57 Start: 38964, Stop: 38710, Start Num: 77

Candidate Starts for Gyzlar_57:

(Start: 68 @38976 has 5 MA's), (Start: 77 @38964 has 9 MA's), (Start: 99 @38943 has 11 MA's), (114, 38892), (117, 38877), (131, 38856), (142, 38826), (154, 38796), (186, 38721),

Gene: Hafay_32 Start: 28500, Stop: 28721, Start Num: 107

Candidate Starts for Hafay_32:

(Start: 93 @28455 has 185 MA's), (Start: 107 @28500 has 7 MA's), (129, 28551), (159, 28617), (186, 28689), (192, 28710),

Gene: Halena_30 Start: 27701, Stop: 27970, Start Num: 93

Candidate Starts for Halena_30:

(Start: 93 @27701 has 185 MA's), (Start: 107 @27746 has 7 MA's), (154, 27854),

Gene: Halley_52 Start: 44132, Stop: 44377, Start Num: 94

Candidate Starts for Halley_52:

(Start: 94 @44132 has 66 MA's), (114, 44195), (127, 44225), (129, 44228), (156, 44288), (157, 44291), (159, 44294),

Gene: Halsey_31 Start: 22590, Stop: 22856, Start Num: 82

Candidate Starts for Halsey_31:

(Start: 82 @22590 has 47 MA's), (Start: 95 @22605 has 1 MA's), (116, 22668), (124, 22686), (169, 22788),

Gene: Hami1_57 Start: 36945, Stop: 36679, Start Num: 71

Candidate Starts for Hami1_57:

(Start: 69 @36948 has 27 MA's), (Start: 71 @36945 has 99 MA's), (Start: 77 @36933 has 9 MA's), (Start: 99 @36912 has 11 MA's), (114, 36861), (117, 36846), (131, 36825), (142, 36795), (154, 36765),

Gene: Hammy_66 Start: 43955, Stop: 44194, Start Num: 96

Candidate Starts for Hammy_66:

(Start: 96 @43955 has 167 MA's), (127, 44045), (151, 44105),

Gene: HanKaySha_38 Start: 32877, Stop: 33122, Start Num: 93

Candidate Starts for HanKaySha_38:

(Start: 93 @32877 has 185 MA's), (Start: 113 @32934 has 3 MA's), (127, 32967), (131, 32973), (152, 33027), (157, 33039),

Gene: Hanako_55 Start: 36173, Stop: 36421, Start Num: 76

Candidate Starts for Hanako_55:

(Start: 76 @36173 has 59 MA's), (Start: 97 @36185 has 7 MA's), (154, 36335), (156, 36338), (186, 36413),

Gene: Hannaconda_48 Start: 38620, Stop: 38868, Start Num: 94

Candidate Starts for Hannaconda_48:

(Start: 94 @38620 has 66 MA's), (145, 38752),

Gene: Hanray_56 Start: 38212, Stop: 38006, Start Num: 111

Candidate Starts for Hanray_56:

(Start: 81 @38278 has 13 MA's), (Start: 88 @38269 has 11 MA's), (Start: 111 @38212 has 1 MA's), (126, 38176), (142, 38137), (152, 38110), (157, 38098),

Gene: Harella_36 Start: 33247, Stop: 33492, Start Num: 93

Candidate Starts for Harella_36:

(Start: 93 @33247 has 185 MA's), (Start: 113 @33304 has 3 MA's), (127, 33337), (131, 33343), (149, 33391), (152, 33397), (157, 33409),

Gene: Harlequin_45 Start: 34082, Stop: 33786, Start Num: 82

Candidate Starts for Harlequin_45:

(Start: 82 @34082 has 47 MA's), (Start: 97 @34064 has 7 MA's), (Start: 99 @34058 has 11 MA's), (143, 33941), (156, 33908), (159, 33902), (185, 33842), (193, 33794),

Gene: HarryOW_60 Start: 40966, Stop: 40688, Start Num: 69

Candidate Starts for HarryOW_60:

(Start: 69 @40966 has 27 MA's), (Start: 71 @40963 has 99 MA's), (Start: 77 @40951 has 9 MA's), (Start: 99 @40921 has 11 MA's), (114, 40870), (117, 40855), (131, 40834), (142, 40804), (154, 40774),

Gene: HedwigODU_66 Start: 43467, Stop: 43709, Start Num: 96

Candidate Starts for HedwigODU_66:

(Start: 96 @43467 has 167 MA's), (127, 43557), (167, 43653), (177, 43677),

Gene: Heftyboy_61 Start: 42799, Stop: 43047, Start Num: 96

Candidate Starts for Heftyboy_61:

(Start: 96 @42799 has 167 MA's), (117, 42874), (151, 42946), (162, 42970),

Gene: Henry_38 Start: 33135, Stop: 33380, Start Num: 93

Candidate Starts for Henry_38:

(Start: 93 @33135 has 185 MA's), (Start: 113 @33192 has 3 MA's), (127, 33225), (131, 33231), (149, 33279), (152, 33285), (157, 33297),

Gene: Hermia_60 Start: 40961, Stop: 40695, Start Num: 71

Candidate Starts for Hermia_60:

(Start: 69 @40964 has 27 MA's), (Start: 71 @40961 has 99 MA's), (Start: 77 @40949 has 9 MA's), (Start: 99 @40928 has 11 MA's), (114, 40877), (117, 40862), (131, 40841), (142, 40811), (154, 40781),

Gene: Highbury_38 Start: 32793, Stop: 33038, Start Num: 93

Candidate Starts for Highbury_38:

(Start: 93 @32793 has 185 MA's), (Start: 113 @32850 has 3 MA's), (127, 32883), (131, 32889), (152, 32943), (157, 32955),

Gene: Hiro_46 Start: 34558, Stop: 34262, Start Num: 82

Candidate Starts for Hiro_46:

(Start: 82 @34558 has 47 MA's), (Start: 97 @34540 has 7 MA's), (Start: 99 @34534 has 11 MA's), (114, 34486), (143, 34417), (156, 34384), (159, 34378), (185, 34318), (193, 34270),

Gene: HokkenD_45 Start: 42401, Stop: 42646, Start Num: 94

Candidate Starts for HokkenD_45:

(Start: 94 @42401 has 66 MA's), (114, 42464), (127, 42494), (129, 42497), (156, 42557), (157, 42560), (159, 42563),

Gene: Horex_57 Start: 38228, Stop: 38022, Start Num: 111

Candidate Starts for Horex_57:

(Start: 81 @38294 has 13 MA's), (Start: 88 @38285 has 11 MA's), (Start: 111 @38228 has 1 MA's), (126, 38192), (142, 38153), (152, 38126), (157, 38114),

Gene: Holt_38 Start: 32412, Stop: 32657, Start Num: 93

Candidate Starts for Holt_38:

(Start: 93 @32412 has 185 MA's), (Start: 113 @32469 has 3 MA's), (127, 32502), (131, 32508), (149, 32556), (152, 32562), (157, 32574),

Gene: Homines_54 Start: 37291, Stop: 37025, Start Num: 71

Candidate Starts for Homines_54:

(Start: 69 @37294 has 27 MA's), (Start: 71 @37291 has 99 MA's), (Start: 77 @37279 has 9 MA's), (Start: 99 @37258 has 11 MA's), (114, 37207), (117, 37192), (131, 37171), (142, 37141), (154, 37111), (186, 37036),

Gene: Homura_66 Start: 43622, Stop: 43864, Start Num: 96

Candidate Starts for Homura_66:

(Start: 96 @43622 has 167 MA's), (127, 43712), (167, 43808), (177, 43832),

Gene: Honk_39 Start: 24394, Stop: 24654, Start Num: 88

Candidate Starts for Honk_39:

(Start: 88 @24394 has 11 MA's), (104, 24433),

Gene: Hoonter_39 Start: 33125, Stop: 33370, Start Num: 93

Candidate Starts for Hoonter_39:

(Start: 93 @33125 has 185 MA's), (Start: 113 @33182 has 3 MA's), (127, 33215), (131, 33221), (152, 33275), (157, 33287),

Gene: Hope4ever_63 Start: 41279, Stop: 41004, Start Num: 71

Candidate Starts for Hope4ever_63:

(Start: 69 @41282 has 27 MA's), (Start: 71 @41279 has 99 MA's), (Start: 77 @41267 has 9 MA's), (Start: 99 @41237 has 11 MA's), (114, 41186), (117, 41171), (131, 41150), (142, 41120), (154, 41090), (186, 41015),

Gene: Hokey_39 Start: 33412, Stop: 33657, Start Num: 93

Candidate Starts for Hokey_39:

(Start: 93 @33412 has 185 MA's), (Start: 113 @33469 has 3 MA's), (127, 33502), (131, 33508), (152, 33562), (157, 33574),

Gene: HufflyPuff_36 Start: 33119, Stop: 33364, Start Num: 93

Candidate Starts for HufflyPuff_36:

(Start: 93 @33119 has 185 MA's), (Start: 113 @33176 has 3 MA's), (127, 33209), (131, 33215), (152, 33269), (157, 33281),

Gene: Huffy_63 Start: 39006, Stop: 39230, Start Num: 83

Candidate Starts for Huffy_63:

(Start: 83 @39006 has 15 MA's), (Start: 108 @39048 has 1 MA's), (127, 39093), (132, 39102), (152, 39153), (156, 39162), (167, 39183),

Gene: Hughesyang_50 Start: 44061, Stop: 44306, Start Num: 94

Candidate Starts for Hughesyang_50:

(Start: 94 @44061 has 66 MA's), (114, 44124), (127, 44154), (129, 44157), (156, 44217), (157, 44220), (159, 44223),

Gene: Hurricane_68 Start: 44101, Stop: 44340, Start Num: 92

Candidate Starts for Hurricane_68:

(Start: 92 @44101 has 7 MA's), (Start: 105 @44134 has 2 MA's), (127, 44188), (151, 44248), (156, 44260),

Gene: Hyperbowlee_66 Start: 43819, Stop: 44061, Start Num: 96
Candidate Starts for Hyperbowlee_66:
(Start: 96 @43819 has 167 MA's), (127, 43909), (167, 44005), (177, 44029),

Gene: IAmGroot_42 Start: 27740, Stop: 28006, Start Num: 88
Candidate Starts for IAmGroot_42:
(Start: 88 @27740 has 11 MA's),

Gene: IHOP_37 Start: 33369, Stop: 33557, Start Num: 113
Candidate Starts for IHOP_37:
(Start: 93 @33312 has 185 MA's), (Start: 113 @33369 has 3 MA's), (127, 33402), (131, 33408), (152, 33462), (157, 33474),

Gene: ILeeKay_64 Start: 41170, Stop: 40895, Start Num: 71
Candidate Starts for ILeeKay_64:
(Start: 69 @41173 has 27 MA's), (Start: 71 @41170 has 99 MA's), (Start: 77 @41158 has 9 MA's), (114, 41077), (117, 41062), (131, 41041), (142, 41011), (154, 40981),

Gene: IPhane7_39 Start: 32762, Stop: 33040, Start Num: 79
Candidate Starts for IPhane7_39:
(35, 32651), (Start: 79 @32762 has 11 MA's), (Start: 94 @32780 has 66 MA's), (114, 32843), (151, 32930), (154, 32939), (159, 32948),

Gene: Icee_36 Start: 32793, Stop: 33038, Start Num: 93
Candidate Starts for Icee_36:
(Start: 93 @32793 has 185 MA's), (Start: 113 @32850 has 3 MA's), (127, 32883), (131, 32889), (152, 32943), (157, 32955),

Gene: Ichabod_66 Start: 42392, Stop: 42126, Start Num: 71
Candidate Starts for Ichabod_66:
(Start: 69 @42395 has 27 MA's), (Start: 71 @42392 has 99 MA's), (Start: 77 @42380 has 9 MA's), (Start: 99 @42359 has 11 MA's), (114, 42308), (117, 42293), (131, 42272), (142, 42242), (154, 42212), (186, 42137),

Gene: Illumine_72 Start: 45460, Stop: 45702, Start Num: 96
Candidate Starts for Illumine_72:
(Start: 96 @45460 has 167 MA's), (127, 45550), (167, 45646), (177, 45670),

Gene: Inca_36 Start: 31814, Stop: 32059, Start Num: 93
Candidate Starts for Inca_36:
(Start: 93 @31814 has 185 MA's), (Start: 113 @31871 has 3 MA's), (127, 31904), (131, 31910), (152, 31964), (157, 31976),

Gene: Indlulamithi_37 Start: 32452, Stop: 32694, Start Num: 89
Candidate Starts for Indlulamithi_37:
(Start: 89 @32452 has 1 MA's), (Start: 111 @32506 has 1 MA's), (152, 32593), (189, 32677), (190, 32680),

Gene: Inky_66 Start: 43622, Stop: 43864, Start Num: 96
Candidate Starts for Inky_66:
(Start: 96 @43622 has 167 MA's), (127, 43712), (167, 43808), (177, 43832),

Gene: InvictusManeo_58 Start: 40773, Stop: 41021, Start Num: 96

Candidate Starts for InvictusManeo_58:

(Start: 96 @40773 has 167 MA's), (143, 40905), (156, 40935), (174, 40968),

Gene: Inyanga_57 Start: 41026, Stop: 40760, Start Num: 71

Candidate Starts for Inyanga_57:

(Start: 69 @41029 has 27 MA's), (Start: 71 @41026 has 99 MA's), (Start: 77 @41014 has 9 MA's),
(Start: 99 @40993 has 11 MA's), (114, 40942), (117, 40927), (131, 40906), (142, 40876), (154, 40846),
(186, 40771),

Gene: Iqorha_57 Start: 41025, Stop: 40759, Start Num: 71

Candidate Starts for Iqorha_57:

(Start: 69 @41028 has 27 MA's), (Start: 71 @41025 has 99 MA's), (Start: 77 @41013 has 9 MA's),
(Start: 99 @40992 has 11 MA's), (114, 40941), (117, 40926), (131, 40905), (142, 40875), (154, 40845),
(186, 40770),

Gene: Iter_34 Start: 24797, Stop: 25063, Start Num: 76

Candidate Starts for Iter_34:

(Start: 76 @24797 has 59 MA's), (156, 24980),

Gene: Itos_32 Start: 28422, Stop: 28688, Start Num: 93

Candidate Starts for Itos_32:

(Start: 93 @28422 has 185 MA's), (Start: 107 @28467 has 7 MA's), (129, 28518), (159, 28584), (186,
28656), (192, 28677),

Gene: IttyBittyPiggy_33 Start: 24853, Stop: 25107, Start Num: 74

Candidate Starts for IttyBittyPiggy_33:

(12, 24598), (17, 24634), (Start: 74 @24853 has 5 MA's),

Gene: Izel_39 Start: 32779, Stop: 33039, Start Num: 94

Candidate Starts for Izel_39:

(35, 32650), (Start: 79 @32761 has 11 MA's), (Start: 94 @32779 has 66 MA's), (114, 32842), (151,
32929), (154, 32938), (159, 32947),

Gene: JAWS_67 Start: 43898, Stop: 44140, Start Num: 96

Candidate Starts for JAWS_67:

(Start: 96 @43898 has 167 MA's), (127, 43988), (167, 44084), (177, 44108),

Gene: JC27_65 Start: 41732, Stop: 41466, Start Num: 71

Candidate Starts for JC27_65:

(Start: 71 @41732 has 99 MA's), (Start: 77 @41720 has 9 MA's), (Start: 97 @41705 has 7 MA's),
(Start: 99 @41699 has 11 MA's), (114, 41648), (117, 41633), (131, 41612), (142, 41582), (154, 41552),

Gene: JF1_70 Start: 43533, Stop: 43847, Start Num: 86

Candidate Starts for JF1_70:

(Start: 86 @43533 has 38 MA's), (Start: 97 @43548 has 7 MA's), (Start: 105 @43578 has 2 MA's),
(127, 43635),

Gene: JackSparrow_64 Start: 41111, Stop: 40914, Start Num: 108

Candidate Starts for JackSparrow_64:

(Start: 107 @41114 has 7 MA's), (Start: 108 @41111 has 1 MA's), (114, 41099), (142, 41030), (154,
41000),

Gene: Jamie19_49 Start: 34464, Stop: 34712, Start Num: 76

Candidate Starts for Jamie19_49:

(Start: 76 @34464 has 59 MA's), (Start: 97 @34476 has 7 MA's), (154, 34626), (156, 34629), (186, 34704),

Gene: Janeemi_35 Start: 26823, Stop: 27089, Start Num: 76

Candidate Starts for Janeemi_35:

(Start: 76 @26823 has 59 MA's),

Gene: Jarvi_66 Start: 43622, Stop: 43864, Start Num: 96

Candidate Starts for Jarvi_66:

(Start: 96 @43622 has 167 MA's), (127, 43712), (167, 43808), (177, 43832),

Gene: Jasper_62 Start: 40214, Stop: 39948, Start Num: 71

Candidate Starts for Jasper_62:

(Start: 71 @40214 has 99 MA's), (Start: 77 @40202 has 9 MA's), (Start: 97 @40187 has 7 MA's), (Start: 99 @40181 has 11 MA's), (114, 40130), (117, 40115), (131, 40094), (142, 40064), (154, 40034), (186, 39959),

Gene: Jayhawk_68 Start: 43965, Stop: 44207, Start Num: 96

Candidate Starts for Jayhawk_68:

(Start: 96 @43965 has 167 MA's), (127, 44055), (167, 44151), (177, 44175),

Gene: JeTaime_39 Start: 33936, Stop: 34181, Start Num: 93

Candidate Starts for JeTaime_39:

(Start: 93 @33936 has 185 MA's), (Start: 113 @33993 has 3 MA's), (127, 34026), (131, 34032), (152, 34086), (157, 34098),

Gene: Jeckyll_66 Start: 43622, Stop: 43864, Start Num: 96

Candidate Starts for Jeckyll_66:

(Start: 96 @43622 has 167 MA's), (127, 43712), (167, 43808), (177, 43832),

Gene: Jerm2_64 Start: 42536, Stop: 42270, Start Num: 71

Candidate Starts for Jerm2_64:

(Start: 69 @42539 has 27 MA's), (Start: 71 @42536 has 99 MA's), (Start: 77 @42524 has 9 MA's), (Start: 99 @42503 has 11 MA's), (114, 42452), (117, 42437), (131, 42416), (142, 42386), (154, 42356), (186, 42281),

Gene: Jester_45 Start: 34013, Stop: 33717, Start Num: 82

Candidate Starts for Jester_45:

(Start: 82 @34013 has 47 MA's), (Start: 97 @33995 has 7 MA's), (Start: 99 @33989 has 11 MA's), (143, 33872), (156, 33839), (159, 33833), (185, 33773), (193, 33725),

Gene: Jobypre_31 Start: 28829, Stop: 29050, Start Num: 107

Candidate Starts for Jobypre_31:

(Start: 93 @28784 has 185 MA's), (Start: 99 @28796 has 11 MA's), (Start: 107 @28829 has 7 MA's),

Gene: JoeDirt_30 Start: 27672, Stop: 27941, Start Num: 93

Candidate Starts for JoeDirt_30:

(Start: 93 @27672 has 185 MA's), (Start: 107 @27717 has 7 MA's), (154, 27825),

Gene: Joemato_33 Start: 24755, Stop: 25021, Start Num: 76

Candidate Starts for Joemato_33:

(12, 24497), (Start: 76 @24755 has 59 MA's), (156, 24938),

Gene: JohnDoe_33 Start: 24746, Stop: 25012, Start Num: 76

Candidate Starts for JohnDoe_33:

(12, 24488), (Start: 76 @24746 has 59 MA's), (156, 24929),

Gene: JonJames_133 Start: 77174, Stop: 77473, Start Num: 81

Candidate Starts for JonJames_133:

(Start: 81 @77174 has 13 MA's), (Start: 108 @77234 has 1 MA's), (128, 77276), (132, 77285), (142, 77321), (154, 77351),

Gene: Jorgensen_65 Start: 41384, Stop: 41109, Start Num: 71

Candidate Starts for Jorgensen_65:

(Start: 69 @41387 has 27 MA's), (Start: 71 @41384 has 99 MA's), (Start: 77 @41372 has 9 MA's), (Start: 99 @41342 has 11 MA's), (114, 41291), (117, 41276), (131, 41255), (142, 41225), (154, 41195), (186, 41120),

Gene: Joy99_66 Start: 43551, Stop: 43793, Start Num: 96

Candidate Starts for Joy99_66:

(Start: 96 @43551 has 167 MA's), (127, 43641), (167, 43737), (177, 43761),

Gene: JoyLin_51 Start: 37210, Stop: 37458, Start Num: 91

Candidate Starts for JoyLin_51:

(Start: 91 @37210 has 18 MA's), (131, 37309), (133, 37315), (154, 37369), (156, 37372), (159, 37378), (183, 37447),

Gene: Jstan_36 Start: 26608, Stop: 26865, Start Num: 91

Candidate Starts for Jstan_36:

(12, 26371), (13, 26380), (Start: 91 @26608 has 18 MA's), (Start: 108 @26656 has 1 MA's), (159, 26773),

Gene: Jubie_31 Start: 28785, Stop: 29051, Start Num: 93

Candidate Starts for Jubie_31:

(Start: 93 @28785 has 185 MA's), (Start: 99 @28797 has 11 MA's), (Start: 107 @28830 has 7 MA's),

Gene: Juicebox_39 Start: 32245, Stop: 32553, Start Num: 84

Candidate Starts for Juicebox_39:

(Start: 84 @32245 has 1 MA's), (100, 32269), (101, 32281), (Start: 108 @32302 has 1 MA's), (110, 32305), (130, 32350), (136, 32368), (144, 32404), (150, 32422), (158, 32443), (160, 32446), (163, 32455), (183, 32518),

Gene: JuicyJay_54 Start: 45887, Stop: 46132, Start Num: 94

Candidate Starts for JuicyJay_54:

(Start: 94 @45887 has 66 MA's), (114, 45950), (127, 45980), (129, 45983), (156, 46043), (157, 46046), (159, 46049),

Gene: JuliaChild_63 Start: 41613, Stop: 41338, Start Num: 71

Candidate Starts for JuliaChild_63:

(Start: 69 @41616 has 27 MA's), (Start: 71 @41613 has 99 MA's), (Start: 77 @41601 has 9 MA's), (Start: 99 @41571 has 11 MA's), (114, 41520), (117, 41505), (131, 41484), (142, 41454), (154, 41424),

Gene: Juliette_72 Start: 43682, Stop: 43945, Start Num: 86

Candidate Starts for Juliette_72:

(Start: 86 @43682 has 38 MA's), (Start: 97 @43697 has 7 MA's), (127, 43784), (166, 43880), (187, 43934),

Gene: JuneStar_33 Start: 26763, Stop: 27023, Start Num: 76
Candidate Starts for JuneStar_33:
(Start: 76 @26763 has 59 MA's), (156, 26922),

Gene: KSSJEB_62 Start: 40592, Stop: 40323, Start Num: 69
Candidate Starts for KSSJEB_62:
(Start: 69 @40592 has 27 MA's), (Start: 71 @40589 has 99 MA's), (Start: 77 @40577 has 9 MA's),
(Start: 99 @40556 has 11 MA's), (114, 40505), (117, 40490), (131, 40469), (142, 40439), (154, 40409),

Gene: KSunshine22_102 Start: 83941, Stop: 84201, Start Num: 94
Candidate Starts for KSunshine22_102:
(Start: 94 @83941 has 66 MA's), (177, 84160), (178, 84163),

Gene: Kahlid_32 Start: 28472, Stop: 28693, Start Num: 107
Candidate Starts for Kahlid_32:
(Start: 93 @28427 has 185 MA's), (Start: 107 @28472 has 7 MA's), (129, 28523), (159, 28589), (186, 28661), (192, 28682),

Gene: Kalah2_52 Start: 44487, Stop: 44732, Start Num: 94
Candidate Starts for Kalah2_52:
(Start: 94 @44487 has 66 MA's), (114, 44550), (127, 44580), (129, 44583), (156, 44643), (157, 44646),
(159, 44649),

Gene: Kalimba_31 Start: 22493, Stop: 22759, Start Num: 82
Candidate Starts for Kalimba_31:
(Start: 82 @22493 has 47 MA's), (Start: 90 @22502 has 3 MA's), (Start: 95 @22508 has 1 MA's), (116, 22571),

Gene: Kanely_63 Start: 41177, Stop: 40902, Start Num: 71
Candidate Starts for Kanely_63:
(Start: 69 @41180 has 27 MA's), (Start: 71 @41177 has 99 MA's), (Start: 77 @41165 has 9 MA's),
(114, 41084), (117, 41069), (131, 41048), (142, 41018), (154, 40988),

Gene: Kanye_39 Start: 34121, Stop: 34366, Start Num: 93
Candidate Starts for Kanye_39:
(Start: 93 @34121 has 185 MA's), (Start: 113 @34178 has 3 MA's), (127, 34211), (131, 34217), (152, 34271), (157, 34283),

Gene: KashFlow_45 Start: 38241, Stop: 38489, Start Num: 94
Candidate Starts for KashFlow_45:
(Start: 94 @38241 has 66 MA's), (145, 38373),

Gene: Kaylissa_33 Start: 24719, Stop: 24961, Start Num: 76
Candidate Starts for Kaylissa_33:
(Start: 76 @24719 has 59 MA's), (156, 24878),

Gene: KeAlii_33 Start: 24733, Stop: 24990, Start Num: 74
Candidate Starts for KeAlii_33:
(16, 24508), (Start: 74 @24733 has 5 MA's),

Gene: Keelan_118 Start: 57003, Stop: 57242, Start Num: 97

Candidate Starts for Keelan_118:

(55, 56925), (Start: 97 @57003 has 7 MA's), (Start: 108 @57042 has 1 MA's), (114, 57057), (142, 57123), (177, 57198), (184, 57219),

Gene: Kenmech_65 Start: 42818, Stop: 42549, Start Num: 69

Candidate Starts for Kenmech_65:

(Start: 69 @42818 has 27 MA's), (Start: 71 @42815 has 99 MA's), (Start: 77 @42803 has 9 MA's), (Start: 99 @42782 has 11 MA's), (114, 42731), (117, 42716), (131, 42695), (142, 42665), (154, 42635),

Gene: Kevin1_52 Start: 34949, Stop: 35200, Start Num: 76

Candidate Starts for Kevin1_52:

(20, 34775), (42, 34871), (Start: 76 @34949 has 59 MA's), (Start: 97 @34961 has 7 MA's), (127, 35045), (154, 35111), (156, 35114),

Gene: Khuang_61 Start: 36119, Stop: 36397, Start Num: 94

Candidate Starts for Khuang_61:

(52, 36041), (Start: 94 @36119 has 66 MA's), (Start: 108 @36164 has 1 MA's), (131, 36221), (132, 36224), (154, 36290),

Gene: KiSi_71 Start: 44647, Stop: 44877, Start Num: 96

Candidate Starts for KiSi_71:

(Start: 96 @44647 has 167 MA's), (138, 44764), (151, 44782),

Gene: Kimchi_39 Start: 33128, Stop: 33373, Start Num: 93

Candidate Starts for Kimchi_39:

(Start: 93 @33128 has 185 MA's), (Start: 113 @33185 has 3 MA's), (127, 33218), (131, 33224), (152, 33278), (157, 33290),

Gene: Kimchi1738_51 Start: 43674, Stop: 43384, Start Num: 86

Candidate Starts for Kimchi1738_51:

(Start: 86 @43674 has 38 MA's), (109, 43611), (149, 43497), (153, 43485),

Gene: Kingsolomon_31 Start: 28784, Stop: 29050, Start Num: 93

Candidate Starts for Kingsolomon_31:

(Start: 93 @28784 has 185 MA's), (Start: 99 @28796 has 11 MA's), (Start: 107 @28829 has 7 MA's),

Gene: KirDoubleO7_29 Start: 28812, Stop: 29033, Start Num: 107

Candidate Starts for KirDoubleO7_29:

(Start: 93 @28767 has 185 MA's), (Start: 99 @28779 has 11 MA's), (Start: 107 @28812 has 7 MA's), (127, 28860),

Gene: Klein_52 Start: 43699, Stop: 43944, Start Num: 94

Candidate Starts for Klein_52:

(Start: 94 @43699 has 66 MA's), (114, 43762), (127, 43792), (129, 43795), (156, 43855), (157, 43858), (159, 43861),

Gene: KleverKiS_40 Start: 32760, Stop: 33020, Start Num: 94

Candidate Starts for KleverKiS_40:

(35, 32631), (Start: 79 @32742 has 11 MA's), (Start: 94 @32760 has 66 MA's), (114, 32823), (151, 32910), (154, 32919), (159, 32928),

Gene: Kostya_38 Start: 33136, Stop: 33381, Start Num: 93

Candidate Starts for Kostya_38:

(Start: 93 @33136 has 185 MA's), (Start: 113 @33193 has 3 MA's), (127, 33226), (131, 33232), (152, 33286), (157, 33298),

Gene: Kratio_58 Start: 40509, Stop: 40757, Start Num: 96

Candidate Starts for Kratio_58:

(Start: 96 @40509 has 167 MA's), (143, 40641), (156, 40671), (174, 40704),

Gene: Kraw_71 Start: 43370, Stop: 43633, Start Num: 86

Candidate Starts for Kraw_71:

(Start: 86 @43370 has 38 MA's), (Start: 97 @43385 has 7 MA's), (127, 43472), (166, 43568), (187, 43622),

Gene: Krishelle_46 Start: 34658, Stop: 34362, Start Num: 82

Candidate Starts for Krishelle_46:

(Start: 82 @34658 has 47 MA's), (Start: 97 @34640 has 7 MA's), (Start: 99 @34634 has 11 MA's), (143, 34517), (156, 34484), (159, 34478), (185, 34418), (193, 34370),

Gene: Kropertea_30 Start: 27482, Stop: 27745, Start Num: 93

Candidate Starts for Kropertea_30:

(Start: 93 @27482 has 185 MA's), (Start: 107 @27527 has 7 MA's), (157, 27641),

Gene: Krueger_71 Start: 43668, Stop: 43991, Start Num: 49

Candidate Starts for Krueger_71:

(Start: 49 @43668 has 1 MA's), (Start: 96 @43752 has 167 MA's), (Start: 99 @43761 has 11 MA's), (127, 43842), (149, 43896), (156, 43911),

Gene: Krypton555_31 Start: 28682, Stop: 28948, Start Num: 93

Candidate Starts for Krypton555_31:

(70, 28643), (Start: 93 @28682 has 185 MA's), (Start: 99 @28694 has 11 MA's), (Start: 107 @28727 has 7 MA's), (127, 28775),

Gene: Kumao_40 Start: 35332, Stop: 35592, Start Num: 86

Candidate Starts for Kumao_40:

(Start: 86 @35332 has 38 MA's), (Start: 94 @35341 has 66 MA's), (110, 35392), (131, 35440), (142, 35470), (145, 35479), (154, 35500), (156, 35503), (157, 35506),

Gene: Kumotta_57 Start: 33061, Stop: 33339, Start Num: 91

Candidate Starts for Kumotta_57:

(Start: 91 @33061 has 18 MA's), (Start: 108 @33109 has 1 MA's), (149, 33223),

Gene: KyMonks1A_65 Start: 41158, Stop: 40901, Start Num: 78

Candidate Starts for KyMonks1A_65:

(Start: 78 @41158 has 10 MA's), (Start: 97 @41140 has 7 MA's), (Start: 99 @41134 has 11 MA's), (114, 41083), (117, 41068), (131, 41047), (142, 41017), (154, 40987), (186, 40912),

Gene: Lamina13_66 Start: 42549, Stop: 42280, Start Num: 69

Candidate Starts for Lamina13_66:

(Start: 69 @42549 has 27 MA's), (Start: 71 @42546 has 99 MA's), (Start: 77 @42534 has 9 MA's), (Start: 99 @42513 has 11 MA's), (114, 42462), (117, 42447), (131, 42426), (142, 42396), (154, 42366), (186, 42291),

Gene: Larva_61 Start: 41955, Stop: 42203, Start Num: 96

Candidate Starts for Larva_61:

(Start: 96 @41955 has 167 MA's), (117, 42030), (151, 42102),

Gene: LastHope_71 Start: 43062, Stop: 43310, Start Num: 96

Candidate Starts for LastHope_71:

(Start: 96 @43062 has 167 MA's), (127, 43152), (167, 43248), (177, 43272),

Gene: LaterM_67 Start: 44313, Stop: 44555, Start Num: 96

Candidate Starts for LaterM_67:

(Start: 96 @44313 has 167 MA's), (127, 44403), (167, 44499), (177, 44523),

Gene: LeBron_30 Start: 27716, Stop: 27985, Start Num: 93

Candidate Starts for LeBron_30:

(Start: 93 @27716 has 185 MA's), (Start: 107 @27761 has 7 MA's), (154, 27869),

Gene: LeMond_70 Start: 44281, Stop: 44508, Start Num: 96

Candidate Starts for LeMond_70:

(Start: 96 @44281 has 167 MA's), (138, 44398), (151, 44416), (167, 44452),

Gene: Lea83_69 Start: 44132, Stop: 44374, Start Num: 92

Candidate Starts for Lea83_69:

(Start: 92 @44132 has 7 MA's), (Start: 105 @44165 has 2 MA's), (127, 44222), (151, 44282), (156, 44294),

Gene: Lebo14_71 Start: 43703, Stop: 43966, Start Num: 86

Candidate Starts for Lebo14_71:

(Start: 86 @43703 has 38 MA's), (Start: 97 @43718 has 7 MA's), (127, 43805), (166, 43901), (187, 43955),

Gene: LeeroyJenkins_54 Start: 34043, Stop: 34282, Start Num: 96

Candidate Starts for LeeroyJenkins_54:

(Start: 96 @34043 has 167 MA's), (114, 34100), (126, 34127), (131, 34136),

Gene: Lego_33 Start: 24673, Stop: 24915, Start Num: 76

Candidate Starts for Lego_33:

(Start: 76 @24673 has 59 MA's),

Gene: LeoJr_107 Start: 87292, Stop: 87555, Start Num: 94

Candidate Starts for LeoJr_107:

(Start: 94 @87292 has 66 MA's), (171, 87481),

Gene: Leopard_52 Start: 39719, Stop: 39474, Start Num: 96

Candidate Starts for Leopard_52:

(Start: 96 @39719 has 167 MA's), (114, 39659), (126, 39632), (142, 39593), (152, 39569), (153, 39563), (154, 39557), (165, 39533),

Gene: Lesedi_58 Start: 39515, Stop: 39249, Start Num: 71

Candidate Starts for Lesedi_58:

(Start: 71 @39515 has 99 MA's), (Start: 77 @39503 has 9 MA's), (Start: 99 @39482 has 11 MA's), (114, 39431), (117, 39416), (131, 39395), (142, 39365), (154, 39335), (186, 39260),

Gene: Leston_60 Start: 42561, Stop: 42809, Start Num: 96

Candidate Starts for Leston_60:

(Start: 96 @42561 has 167 MA's), (117, 42636), (151, 42708),

Gene: Levia_57 Start: 40538, Stop: 40263, Start Num: 71

Candidate Starts for Levia_57:

(Start: 69 @40541 has 27 MA's), (Start: 71 @40538 has 99 MA's), (Start: 77 @40526 has 9 MA's),
(Start: 99 @40496 has 11 MA's), (117, 40430), (131, 40409), (142, 40379), (154, 40349),

Gene: Lewan_32 Start: 28467, Stop: 28688, Start Num: 107

Candidate Starts for Lewan_32:

(Start: 93 @28422 has 185 MA's), (Start: 107 @28467 has 7 MA's), (129, 28518), (159, 28584), (186,
28656), (192, 28677),

Gene: Licorice_63 Start: 42655, Stop: 42389, Start Num: 71

Candidate Starts for Licorice_63:

(Start: 69 @42658 has 27 MA's), (Start: 71 @42655 has 99 MA's), (Start: 77 @42643 has 9 MA's),
(Start: 99 @42622 has 11 MA's), (114, 42571), (117, 42556), (131, 42535), (142, 42505), (154, 42475),

Gene: Liebe_36 Start: 26803, Stop: 26994, Start Num: 111

Candidate Starts for Liebe_36:

(Start: 94 @26752 has 66 MA's), (Start: 111 @26803 has 1 MA's), (156, 26911),

Gene: Lifes_48 Start: 30666, Stop: 30905, Start Num: 96

Candidate Starts for Lifes_48:

(36, 30549), (44, 30567), (Start: 96 @30666 has 167 MA's), (114, 30723), (131, 30759),

Gene: LilBib_62 Start: 42639, Stop: 42373, Start Num: 71

Candidate Starts for LilBib_62:

(Start: 69 @42642 has 27 MA's), (Start: 71 @42639 has 99 MA's), (Start: 77 @42627 has 9 MA's),
(Start: 99 @42606 has 11 MA's), (114, 42555), (117, 42540), (131, 42519), (142, 42489), (154, 42459),

Gene: LilDestine_32 Start: 28421, Stop: 28687, Start Num: 93

Candidate Starts for LilDestine_32:

(Start: 93 @28421 has 185 MA's), (102, 28445), (Start: 107 @28466 has 7 MA's), (129, 28517), (159,
28583), (186, 28655), (192, 28676),

Gene: LilPharaoh_56 Start: 40669, Stop: 40914, Start Num: 96

Candidate Starts for LilPharaoh_56:

(47, 40597), (Start: 96 @40669 has 167 MA's), (134, 40774), (151, 40816), (167, 40852),

Gene: Lilac_39 Start: 32632, Stop: 32877, Start Num: 93

Candidate Starts for Lilac_39:

(Start: 93 @32632 has 185 MA's), (Start: 113 @32689 has 3 MA's), (127, 32722), (131, 32728), (152,
32782), (157, 32794),

Gene: LilhomieP_38 Start: 32762, Stop: 33040, Start Num: 79

Candidate Starts for LilhomieP_38:

(35, 32651), (Start: 79 @32762 has 11 MA's), (Start: 94 @32780 has 66 MA's), (114, 32843), (151,
32930), (154, 32939), (159, 32948),

Gene: Lilizi_39 Start: 32840, Stop: 33085, Start Num: 93

Candidate Starts for Lilizi_39:

(Start: 93 @32840 has 185 MA's), (Start: 113 @32897 has 3 MA's), (127, 32930), (131, 32936), (152,
32990), (157, 33002),

Gene: Lillie_46 Start: 34298, Stop: 34002, Start Num: 82

Candidate Starts for Lillie_46:

(Start: 82 @34298 has 47 MA's), (Start: 97 @34280 has 7 MA's), (Start: 99 @34274 has 11 MA's), (143, 34157), (156, 34124), (159, 34118), (185, 34058), (193, 34010),

Gene: Lilpickle_36 Start: 32342, Stop: 32587, Start Num: 93

Candidate Starts for Lilpickle_36:

(Start: 93 @32342 has 185 MA's), (Start: 113 @32399 has 3 MA's), (127, 32432), (131, 32438), (152, 32492), (157, 32504),

Gene: LindNT_66 Start: 44110, Stop: 44352, Start Num: 96

Candidate Starts for LindNT_66:

(Start: 96 @44110 has 167 MA's), (127, 44200), (167, 44296),

Gene: LittleE_56 Start: 43957, Stop: 44196, Start Num: 99

Candidate Starts for LittleE_56:

(Start: 99 @43957 has 11 MA's), (Start: 106 @43984 has 1 MA's), (127, 44038), (129, 44041), (154, 44098), (172, 44134),

Gene: LiyuLake_31 Start: 28737, Stop: 29003, Start Num: 93

Candidate Starts for LiyuLake_31:

(Start: 93 @28737 has 185 MA's), (Start: 99 @28749 has 11 MA's), (Start: 107 @28782 has 7 MA's), (127, 28830),

Gene: Lizalica_32 Start: 24547, Stop: 24813, Start Num: 76

Candidate Starts for Lizalica_32:

(Start: 76 @24547 has 59 MA's), (156, 24730),

Gene: Llorens_66 Start: 43622, Stop: 43864, Start Num: 96

Candidate Starts for Llorens_66:

(Start: 96 @43622 has 167 MA's), (127, 43712), (167, 43808), (177, 43832),

Gene: Loadrie_32 Start: 28454, Stop: 28720, Start Num: 93

Candidate Starts for Loadrie_32:

(Start: 93 @28454 has 185 MA's), (Start: 107 @28499 has 7 MA's), (129, 28550), (159, 28616), (186, 28688), (192, 28709),

Gene: Lockley_59 Start: 40855, Stop: 40580, Start Num: 71

Candidate Starts for Lockley_59:

(Start: 71 @40855 has 99 MA's), (Start: 77 @40843 has 9 MA's), (Start: 99 @40813 has 11 MA's), (114, 40762), (117, 40747), (131, 40726), (141, 40699), (142, 40696), (154, 40666), (186, 40591),

Gene: Lolly9_31 Start: 28548, Stop: 28814, Start Num: 93

Candidate Starts for Lolly9_31:

(Start: 93 @28548 has 185 MA's), (Start: 99 @28560 has 11 MA's), (Start: 107 @28593 has 7 MA's),

Gene: London_34 Start: 26623, Stop: 26880, Start Num: 91

Candidate Starts for London_34:

(12, 26386), (13, 26395), (Start: 91 @26623 has 18 MA's), (Start: 108 @26671 has 1 MA's), (159, 26788),

Gene: Lopton_60 Start: 42624, Stop: 42370, Start Num: 77

Candidate Starts for Lopton_60:

(Start: 68 @42636 has 5 MA's), (Start: 77 @42624 has 9 MA's), (Start: 99 @42603 has 11 MA's), (114, 42552), (117, 42537), (131, 42516), (142, 42486), (154, 42456),

Gene: Lozinak_125 Start: 71628, Stop: 71921, Start Num: 81

Candidate Starts for Lozinak_125:

(Start: 81 @71628 has 13 MA's), (Start: 105 @71676 has 2 MA's), (154, 71805),

Gene: Lucky2013_51 Start: 40948, Stop: 41187, Start Num: 99

Candidate Starts for Lucky2013_51:

(Start: 99 @40948 has 11 MA's), (Start: 106 @40975 has 1 MA's), (127, 41029), (129, 41032), (154, 41089), (172, 41125),

Gene: Lumos_31 Start: 28781, Stop: 29047, Start Num: 93

Candidate Starts for Lumos_31:

(Start: 93 @28781 has 185 MA's), (Start: 99 @28793 has 11 MA's), (Start: 107 @28826 has 7 MA's),

Gene: Lunahalos_66 Start: 43622, Stop: 43864, Start Num: 96

Candidate Starts for Lunahalos_66:

(Start: 96 @43622 has 167 MA's), (127, 43712), (167, 43808), (177, 43832),

Gene: LunarLander_64 Start: 41834, Stop: 41568, Start Num: 71

Candidate Starts for LunarLander_64:

(Start: 69 @41837 has 27 MA's), (Start: 71 @41834 has 99 MA's), (Start: 77 @41822 has 9 MA's), (Start: 99 @41801 has 11 MA's), (114, 41750), (117, 41735), (131, 41714), (142, 41684), (154, 41654),

Gene: MAckerman_30 Start: 27690, Stop: 27959, Start Num: 93

Candidate Starts for MAckerman_30:

(Start: 93 @27690 has 185 MA's), (Start: 107 @27735 has 7 MA's), (154, 27843),

Gene: MISSy_36 Start: 32648, Stop: 32893, Start Num: 93

Candidate Starts for MISSy_36:

(Start: 93 @32648 has 185 MA's), (Start: 113 @32705 has 3 MA's), (127, 32738), (131, 32744), (152, 32798), (157, 32810),

Gene: MPhalcon_36 Start: 32641, Stop: 32886, Start Num: 93

Candidate Starts for MPhalcon_36:

(Start: 93 @32641 has 185 MA's), (Start: 113 @32698 has 3 MA's), (127, 32731), (131, 32737), (152, 32791), (157, 32803),

Gene: MaGuCo_34 Start: 25599, Stop: 25841, Start Num: 94

Candidate Starts for MaGuCo_34:

(Start: 94 @25599 has 66 MA's), (Start: 111 @25650 has 1 MA's), (156, 25758),

Gene: Mabodamaca_42 Start: 28268, Stop: 28534, Start Num: 88

Candidate Starts for Mabodamaca_42:

(Start: 88 @28268 has 11 MA's), (Start: 108 @28322 has 1 MA's), (148, 28436),

Gene: MacKat_62 Start: 39405, Stop: 39647, Start Num: 96

Candidate Starts for MacKat_62:

(Start: 96 @39405 has 167 MA's), (127, 39495), (167, 39591), (177, 39615),

Gene: MacnCheese_70 Start: 44725, Stop: 44967, Start Num: 92

Candidate Starts for MacnCheese_70:

(Start: 92 @44725 has 7 MA's), (Start: 105 @44758 has 2 MA's), (127, 44815), (156, 44887), (167, 44911),

Gene: MadamMonkfish_37 Start: 32553, Stop: 32798, Start Num: 93

Candidate Starts for MadamMonkfish_37:

(Start: 93 @32553 has 185 MA's), (Start: 113 @32610 has 3 MA's), (127, 32643), (131, 32649), (152, 32703), (157, 32715),

Gene: Magnar_60 Start: 41031, Stop: 40774, Start Num: 78

Candidate Starts for Magnar_60:

(Start: 78 @41031 has 10 MA's), (Start: 97 @41013 has 7 MA's), (Start: 99 @41007 has 11 MA's), (114, 40956), (117, 40941), (131, 40920), (142, 40890), (154, 40860), (186, 40785),

Gene: Magnito_60 Start: 40895, Stop: 40638, Start Num: 78

Candidate Starts for Magnito_60:

(Start: 78 @40895 has 10 MA's), (Start: 97 @40877 has 7 MA's), (Start: 99 @40871 has 11 MA's), (114, 40820), (117, 40805), (131, 40784), (138, 40763), (142, 40754), (154, 40724),

Gene: Magsby_50 Start: 34922, Stop: 35170, Start Num: 76

Candidate Starts for Magsby_50:

(8, 34508), (18, 34715), (20, 34748), (42, 34844), (Start: 76 @34922 has 59 MA's), (Start: 97 @34934 has 7 MA's), (Start: 99 @34940 has 11 MA's), (127, 35018), (154, 35084), (156, 35087),

Gene: Makemake_64 Start: 42602, Stop: 42336, Start Num: 68

Candidate Starts for Makemake_64:

(Start: 68 @42602 has 5 MA's), (Start: 77 @42590 has 9 MA's), (Start: 99 @42569 has 11 MA's), (114, 42518), (117, 42503), (131, 42482), (142, 42452), (154, 42422), (186, 42347),

Gene: Malthus_71 Start: 43370, Stop: 43633, Start Num: 86

Candidate Starts for Malthus_71:

(Start: 86 @43370 has 38 MA's), (Start: 97 @43385 has 7 MA's), (127, 43472), (166, 43568), (187, 43622),

Gene: Manatee_62 Start: 40921, Stop: 40652, Start Num: 69

Candidate Starts for Manatee_62:

(Start: 69 @40921 has 27 MA's), (Start: 71 @40918 has 99 MA's), (Start: 77 @40906 has 9 MA's), (Start: 97 @40891 has 7 MA's), (Start: 99 @40885 has 11 MA's), (114, 40834), (117, 40819), (131, 40798), (142, 40768), (154, 40738),

Gene: Manda_38 Start: 33620, Stop: 33865, Start Num: 93

Candidate Starts for Manda_38:

(Start: 93 @33620 has 185 MA's), (Start: 113 @33677 has 3 MA's), (127, 33710), (131, 33716), (152, 33770), (157, 33782),

Gene: Marcell_58 Start: 39784, Stop: 39509, Start Num: 71

Candidate Starts for Marcell_58:

(58, 39808), (Start: 69 @39787 has 27 MA's), (Start: 71 @39784 has 99 MA's), (Start: 77 @39772 has 9 MA's), (Start: 99 @39742 has 11 MA's), (114, 39691), (117, 39676), (131, 39655), (142, 39625), (154, 39595),

Gene: Marchy_56 Start: 37872, Stop: 37597, Start Num: 71

Candidate Starts for Marchy_56:

(Start: 69 @37875 has 27 MA's), (Start: 71 @37872 has 99 MA's), (Start: 77 @37860 has 9 MA's), (Start: 99 @37830 has 11 MA's), (114, 37779), (117, 37764), (131, 37743), (138, 37722), (142, 37713), (154, 37683),

Gene: Marco3_64 Start: 42801, Stop: 42535, Start Num: 71

Candidate Starts for Marco3_64:

(Start: 69 @42804 has 27 MA's), (Start: 71 @42801 has 99 MA's), (Start: 77 @42789 has 9 MA's), (Start: 97 @42774 has 7 MA's), (Start: 99 @42768 has 11 MA's), (114, 42717), (117, 42702), (131, 42681), (142, 42651), (154, 42621), (186, 42546),

Gene: Marcoliusprime_69 Start: 46092, Stop: 46337, Start Num: 96

Candidate Starts for Marcoliusprime_69:

(Start: 49 @46035 has 1 MA's), (51, 46041), (Start: 96 @46092 has 167 MA's), (127, 46182), (142, 46218), (156, 46251),

Gene: MargaretKali_53 Start: 31679, Stop: 31957, Start Num: 91

Candidate Starts for MargaretKali_53:

(Start: 91 @31679 has 18 MA's), (Start: 108 @31727 has 1 MA's), (149, 31841),

Gene: Marge_59 Start: 40664, Stop: 40398, Start Num: 71

Candidate Starts for Marge_59:

(Start: 69 @40667 has 27 MA's), (Start: 71 @40664 has 99 MA's), (Start: 77 @40652 has 9 MA's), (Start: 99 @40631 has 11 MA's), (114, 40580), (117, 40565), (131, 40544), (142, 40514), (154, 40484),

Gene: MarkPhew_69 Start: 43780, Stop: 44007, Start Num: 96

Candidate Starts for MarkPhew_69:

(Start: 96 @43780 has 167 MA's), (138, 43897), (149, 43912), (151, 43915), (167, 43951),

Gene: Marleymoo_53 Start: 43853, Stop: 44062, Start Num: 106

Candidate Starts for Marleymoo_53:

(Start: 99 @43826 has 11 MA's), (Start: 106 @43853 has 1 MA's), (127, 43907), (129, 43910), (154, 43967), (172, 44003), (186, 44051),

Gene: Maroc7_59 Start: 41311, Stop: 41042, Start Num: 69

Candidate Starts for Maroc7_59:

(58, 41332), (Start: 69 @41311 has 27 MA's), (Start: 71 @41308 has 99 MA's), (Start: 77 @41296 has 9 MA's), (Start: 99 @41275 has 11 MA's), (114, 41224), (117, 41209), (131, 41188), (142, 41158), (154, 41128),

Gene: Marshawn_66 Start: 44145, Stop: 44384, Start Num: 96

Candidate Starts for Marshawn_66:

(Start: 96 @44145 has 167 MA's), (127, 44235),

Gene: Marshmallow_37 Start: 33133, Stop: 33378, Start Num: 93

Candidate Starts for Marshmallow_37:

(Start: 93 @33133 has 185 MA's), (Start: 113 @33190 has 3 MA's), (127, 33223), (131, 33229), (152, 33283), (157, 33295),

Gene: MaryBeth_60 Start: 41488, Stop: 41222, Start Num: 71

Candidate Starts for MaryBeth_60:

(Start: 69 @41491 has 27 MA's), (Start: 71 @41488 has 99 MA's), (Start: 77 @41476 has 9 MA's), (Start: 99 @41455 has 11 MA's), (114, 41404), (117, 41389), (131, 41368), (142, 41338), (154, 41308), (186, 41233),

Gene: MaryV_53 Start: 39346, Stop: 39594, Start Num: 94
Candidate Starts for MaryV_53:
(Start: 94 @39346 has 66 MA's), (122, 39427), (142, 39475), (156, 39508), (157, 39511), (159, 39514),
(172, 39547), (180, 39583),

Gene: Maureen_36 Start: 26752, Stop: 26994, Start Num: 94
Candidate Starts for Maureen_36:
(Start: 94 @26752 has 66 MA's), (Start: 111 @26803 has 1 MA's), (156, 26911),

Gene: Maxxinista_38 Start: 32602, Stop: 32847, Start Num: 93
Candidate Starts for Maxxinista_38:
(Start: 93 @32602 has 185 MA's), (Start: 113 @32659 has 3 MA's), (127, 32692), (131, 32698), (152,
32752), (157, 32764),

Gene: Mbo4_60 Start: 42893, Stop: 43174, Start Num: 90
Candidate Starts for Mbo4_60:
(5, 42125), (Start: 90 @42893 has 3 MA's), (Start: 105 @42926 has 2 MA's),

Gene: McMater_69 Start: 44123, Stop: 44362, Start Num: 93
Candidate Starts for McMater_69:
(Start: 93 @44123 has 185 MA's), (127, 44213), (142, 44249), (149, 44267), (177, 44330),

Gene: McSinger_59 Start: 40407, Stop: 40132, Start Num: 71
Candidate Starts for McSinger_59:
(Start: 69 @40410 has 27 MA's), (Start: 71 @40407 has 99 MA's), (Start: 77 @40395 has 9 MA's),
(114, 40314), (117, 40299), (131, 40278), (142, 40248), (154, 40218),

Gene: Mdavu_56 Start: 40930, Stop: 41175, Start Num: 96
Candidate Starts for Mdavu_56:
(47, 40858), (Start: 96 @40930 has 167 MA's), (134, 41035), (151, 41077), (167, 41113),

Gene: MeaningOfLife_67 Start: 44374, Stop: 44616, Start Num: 96
Candidate Starts for MeaningOfLife_67:
(Start: 96 @44374 has 167 MA's), (127, 44464), (167, 44560), (177, 44584),

Gene: Megsy_69 Start: 44032, Stop: 44277, Start Num: 96
Candidate Starts for Megsy_69:
(Start: 96 @44032 has 167 MA's), (127, 44122), (167, 44218), (188, 44269),

Gene: Melville_53 Start: 34906, Stop: 35154, Start Num: 76
Candidate Starts for Melville_53:
(8, 34492), (18, 34699), (20, 34732), (42, 34828), (Start: 76 @34906 has 59 MA's), (Start: 97 @34918
has 7 MA's), (Start: 99 @34924 has 11 MA's), (127, 35002), (154, 35068), (156, 35071),

Gene: MetalQZJ_59 Start: 41488, Stop: 41222, Start Num: 71
Candidate Starts for MetalQZJ_59:
(Start: 69 @41491 has 27 MA's), (Start: 71 @41488 has 99 MA's), (Start: 77 @41476 has 9 MA's),
(Start: 99 @41455 has 11 MA's), (114, 41404), (117, 41389), (131, 41368), (142, 41338), (154, 41308),
(186, 41233),

Gene: MiaZeal_51 Start: 40623, Stop: 40862, Start Num: 99
Candidate Starts for MiaZeal_51:

(Start: 99 @40623 has 11 MA's), (Start: 106 @40650 has 1 MA's), (127, 40704), (129, 40707), (154, 40764), (172, 40800),

Gene: Michley_65 Start: 41769, Stop: 41494, Start Num: 71

Candidate Starts for Michley_65:

(Start: 71 @41769 has 99 MA's), (Start: 77 @41757 has 9 MA's), (114, 41676), (117, 41661), (131, 41640), (142, 41610), (154, 41580), (186, 41505),

Gene: Miley16_32 Start: 28422, Stop: 28688, Start Num: 93

Candidate Starts for Miley16_32:

(Start: 93 @28422 has 185 MA's), (Start: 107 @28467 has 7 MA's), (129, 28518), (159, 28584), (186, 28656), (192, 28677),

Gene: Milly_69 Start: 46066, Stop: 46311, Start Num: 96

Candidate Starts for Milly_69:

(47, 46003), (Start: 96 @46066 has 167 MA's), (127, 46156), (156, 46225),

Gene: Mimi_108 Start: 86487, Stop: 86735, Start Num: 94

Candidate Starts for Mimi_108:

(Start: 94 @86487 has 66 MA's), (Start: 97 @86493 has 7 MA's), (Start: 99 @86499 has 11 MA's),

Gene: Mindy_37 Start: 32913, Stop: 33158, Start Num: 93

Candidate Starts for Mindy_37:

(Start: 93 @32913 has 185 MA's), (Start: 113 @32970 has 3 MA's), (127, 33003), (131, 33009), (149, 33057), (152, 33063), (157, 33075),

Gene: Minerva_58 Start: 45548, Stop: 45796, Start Num: 94

Candidate Starts for Minerva_58:

(Start: 94 @45548 has 66 MA's), (145, 45680),

Gene: MiniLon_31 Start: 28548, Stop: 28814, Start Num: 93

Candidate Starts for MiniLon_31:

(Start: 93 @28548 has 185 MA's), (Start: 99 @28560 has 11 MA's), (Start: 107 @28593 has 7 MA's),

Gene: MiniMac_31 Start: 28549, Stop: 28815, Start Num: 93

Candidate Starts for MiniMac_31:

(Start: 93 @28549 has 185 MA's), (Start: 99 @28561 has 11 MA's), (Start: 107 @28594 has 7 MA's),

Gene: Miniwave_37 Start: 33332, Stop: 33577, Start Num: 93

Candidate Starts for Miniwave_37:

(Start: 93 @33332 has 185 MA's), (Start: 113 @33389 has 3 MA's), (127, 33422), (131, 33428), (152, 33482), (157, 33494),

Gene: Miryou_64 Start: 45175, Stop: 45423, Start Num: 96

Candidate Starts for Miryou_64:

(Start: 96 @45175 has 167 MA's), (115, 45238),

Gene: Misfit_37 Start: 33222, Stop: 33467, Start Num: 93

Candidate Starts for Misfit_37:

(Start: 93 @33222 has 185 MA's), (Start: 113 @33279 has 3 MA's), (127, 33312), (131, 33318), (152, 33372), (157, 33384),

Gene: Miskis_124 Start: 71060, Stop: 71353, Start Num: 81

Candidate Starts for Miskis_124:

(Start: 81 @71060 has 13 MA's), (Start: 105 @71108 has 2 MA's), (154, 71237),

Gene: MissAmericana_7 Start: 5312, Stop: 5025, Start Num: 91

Candidate Starts for MissAmericana_7:

(Start: 91 @5312 has 18 MA's), (145, 5159), (177, 5072),

Gene: MissDaisy_67 Start: 42299, Stop: 42547, Start Num: 97

Candidate Starts for MissDaisy_67:

(21, 42101), (Start: 86 @42284 has 38 MA's), (Start: 97 @42299 has 7 MA's), (127, 42386), (166, 42482), (187, 42536),

Gene: MissSwiss_32 Start: 23153, Stop: 23398, Start Num: 94

Candidate Starts for MissSwiss_32:

(Start: 94 @23153 has 66 MA's), (Start: 108 @23198 has 1 MA's), (156, 23312),

Gene: Mitti_70 Start: 43525, Stop: 43788, Start Num: 86

Candidate Starts for Mitti_70:

(Start: 86 @43525 has 38 MA's), (Start: 97 @43540 has 7 MA's), (127, 43627), (166, 43723), (187, 43777),

Gene: MkaliMitinis3_32 Start: 28422, Stop: 28688, Start Num: 93

Candidate Starts for MkaliMitinis3_32:

(Start: 93 @28422 has 185 MA's), (Start: 107 @28467 has 7 MA's), (129, 28518), (159, 28584), (186, 28656), (192, 28677),

Gene: Mkhuseli_58 Start: 39493, Stop: 39260, Start Num: 99

Candidate Starts for Mkhuseli_58:

(Start: 69 @39529 has 27 MA's), (Start: 71 @39526 has 99 MA's), (Start: 77 @39514 has 9 MA's), (Start: 99 @39493 has 11 MA's), (114, 39442), (117, 39427), (131, 39406), (142, 39376), (154, 39346),

Gene: Moldemort_38 Start: 32877, Stop: 33122, Start Num: 93

Candidate Starts for Moldemort_38:

(Start: 93 @32877 has 185 MA's), (Start: 113 @32934 has 3 MA's), (127, 32967), (131, 32973), (152, 33027), (157, 33039),

Gene: Mollymur_85 Start: 58104, Stop: 57838, Start Num: 81

Candidate Starts for Mollymur_85:

(Start: 81 @58104 has 13 MA's), (149, 57939), (156, 57924), (175, 57873),

Gene: MontyDev_40 Start: 36039, Stop: 36284, Start Num: 86

Candidate Starts for MontyDev_40:

(Start: 62 @35997 has 2 MA's), (Start: 86 @36039 has 38 MA's), (Start: 99 @36060 has 11 MA's), (Start: 105 @36081 has 2 MA's), (Start: 113 @36105 has 3 MA's), (114, 36108), (154, 36207), (156, 36210), (157, 36213), (182, 36264),

Gene: Moostard_31 Start: 28832, Stop: 29053, Start Num: 107

Candidate Starts for Moostard_31:

(Start: 93 @28787 has 185 MA's), (Start: 99 @28799 has 11 MA's), (Start: 107 @28832 has 7 MA's),

Gene: Mosby_36 Start: 32639, Stop: 32884, Start Num: 93

Candidate Starts for Mosby_36:

(Start: 93 @32639 has 185 MA's), (Start: 113 @32696 has 3 MA's), (127, 32729), (131, 32735), (149, 32783), (152, 32789), (157, 32801),

Gene: Moss_31 Start: 22585, Stop: 22851, Start Num: 82

Candidate Starts for Moss_31:

(Start: 82 @22585 has 47 MA's), (Start: 95 @22600 has 1 MA's), (116, 22663), (169, 22783),

Gene: MrGordo_64 Start: 41635, Stop: 41360, Start Num: 71

Candidate Starts for MrGordo_64:

(Start: 69 @41638 has 27 MA's), (Start: 71 @41635 has 99 MA's), (Start: 77 @41623 has 9 MA's), (Start: 99 @41593 has 11 MA's), (114, 41542), (117, 41527), (131, 41506), (142, 41476), (154, 41446), (186, 41371),

Gene: MrMagoo_44 Start: 33882, Stop: 34133, Start Num: 94

Candidate Starts for MrMagoo_44:

(Start: 94 @33882 has 66 MA's), (147, 34026), (149, 34029), (156, 34044), (181, 34098),

Gene: Mryolo_58 Start: 40629, Stop: 40372, Start Num: 78

Candidate Starts for Mryolo_58:

(Start: 78 @40629 has 10 MA's), (Start: 97 @40611 has 7 MA's), (Start: 99 @40605 has 11 MA's), (114, 40554), (117, 40539), (131, 40518), (142, 40488), (154, 40458),

Gene: MsGreen_31 Start: 28784, Stop: 29050, Start Num: 93

Candidate Starts for MsGreen_31:

(Start: 93 @28784 has 185 MA's), (Start: 99 @28796 has 11 MA's), (Start: 107 @28829 has 7 MA's),

Gene: Mudpuppy_32 Start: 24535, Stop: 24777, Start Num: 77

Candidate Starts for Mudpuppy_32:

(12, 24277), (17, 24313), (Start: 77 @24535 has 9 MA's), (156, 24694),

Gene: Mufasa_69 Start: 45652, Stop: 45897, Start Num: 96

Candidate Starts for Mufasa_69:

(Start: 49 @45595 has 1 MA's), (51, 45601), (Start: 96 @45652 has 167 MA's), (127, 45742), (156, 45811), (167, 45835), (189, 45889),

Gene: Mule_59 Start: 40467, Stop: 40201, Start Num: 71

Candidate Starts for Mule_59:

(Start: 69 @40470 has 27 MA's), (Start: 71 @40467 has 99 MA's), (Start: 77 @40455 has 9 MA's), (Start: 99 @40434 has 11 MA's), (114, 40383), (117, 40368), (131, 40347), (142, 40317), (154, 40287),

Gene: Murica_36 Start: 33119, Stop: 33364, Start Num: 93

Candidate Starts for Murica_36:

(Start: 93 @33119 has 185 MA's), (Start: 113 @33176 has 3 MA's), (127, 33209), (131, 33215), (152, 33269), (157, 33281),

Gene: Murphy_38 Start: 33114, Stop: 33359, Start Num: 93

Candidate Starts for Murphy_38:

(Start: 93 @33114 has 185 MA's), (Start: 113 @33171 has 3 MA's), (127, 33204), (131, 33210), (152, 33264), (157, 33276),

Gene: Murucutumbu_68 Start: 44888, Stop: 45130, Start Num: 96

Candidate Starts for Murucutumbu_68:

(Start: 96 @44888 has 167 MA's), (127, 44978), (167, 45074), (177, 45098),

Gene: Mynx_68 Start: 44234, Stop: 44476, Start Num: 96
Candidate Starts for Mynx_68:
(Start: 96 @44234 has 167 MA's), (127, 44324), (167, 44420), (177, 44444),

Gene: Myrale_37 Start: 32998, Stop: 33243, Start Num: 93
Candidate Starts for Myrale_37:
(Start: 93 @32998 has 185 MA's), (Start: 113 @33055 has 3 MA's), (127, 33088), (131, 33094), (152, 33148), (157, 33160),

Gene: Myrna_77 Start: 30774, Stop: 31019, Start Num: 94
Candidate Starts for Myrna_77:
(Start: 94 @30774 has 66 MA's), (142, 30900),

Gene: Mysterium_31 Start: 22590, Stop: 22856, Start Num: 82
Candidate Starts for Mysterium_31:
(Start: 82 @22590 has 47 MA's), (Start: 95 @22605 has 1 MA's), (116, 22668), (169, 22788),

Gene: NEHalo_59 Start: 41047, Stop: 40781, Start Num: 71
Candidate Starts for NEHalo_59:
(Start: 69 @41050 has 27 MA's), (Start: 71 @41047 has 99 MA's), (Start: 77 @41035 has 9 MA's),
(Start: 99 @41014 has 11 MA's), (114, 40963), (117, 40948), (131, 40927), (142, 40897), (154, 40867),
(186, 40792),

Gene: Naiad_45 Start: 34311, Stop: 34015, Start Num: 82
Candidate Starts for Naiad_45:
(Start: 82 @34311 has 47 MA's), (Start: 97 @34293 has 7 MA's), (Start: 99 @34287 has 11 MA's),
(143, 34170), (156, 34137), (159, 34131), (185, 34071), (193, 34023),

Gene: Nala_37 Start: 33153, Stop: 33398, Start Num: 93
Candidate Starts for Nala_37:
(Start: 93 @33153 has 185 MA's), (Start: 113 @33210 has 3 MA's), (127, 33243), (131, 33249), (152, 33303), (157, 33315),

Gene: Nancinator_46 Start: 34231, Stop: 33935, Start Num: 82
Candidate Starts for Nancinator_46:
(Start: 82 @34231 has 47 MA's), (Start: 97 @34213 has 7 MA's), (Start: 99 @34207 has 11 MA's),
(143, 34090), (156, 34057), (159, 34051), (185, 33991), (193, 33943),

Gene: Nanosmite_44 Start: 33715, Stop: 33966, Start Num: 94
Candidate Starts for Nanosmite_44:
(Start: 94 @33715 has 66 MA's), (114, 33778), (127, 33808), (147, 33859),

Gene: Natosaleda_45 Start: 34230, Stop: 33934, Start Num: 82
Candidate Starts for Natosaleda_45:
(Start: 82 @34230 has 47 MA's), (Start: 97 @34212 has 7 MA's), (Start: 99 @34206 has 11 MA's),
(143, 34089), (156, 34056), (159, 34050), (185, 33990), (193, 33942),

Gene: Neighly_62 Start: 41954, Stop: 42202, Start Num: 96
Candidate Starts for Neighly_62:
(Start: 96 @41954 has 167 MA's), (117, 42029), (151, 42101),

Gene: Nekros_50 Start: 43030, Stop: 43269, Start Num: 99

Candidate Starts for Nekros_50:

(Start: 99 @43030 has 11 MA's), (Start: 106 @43057 has 1 MA's), (127, 43111), (129, 43114), (154, 43171), (172, 43207),

Gene: NelitzaMV_37 Start: 33203, Stop: 33448, Start Num: 93

Candidate Starts for NelitzaMV_37:

(Start: 93 @33203 has 185 MA's), (Start: 113 @33260 has 3 MA's), (127, 33293), (131, 33299), (152, 33353), (157, 33365),

Gene: Nенаe_55 Start: 36175, Stop: 36423, Start Num: 76

Candidate Starts for Nенаe_55:

(Start: 76 @36175 has 59 MA's), (Start: 97 @36187 has 7 MA's), (154, 36337), (156, 36340), (186, 36415),

Gene: Nerujay_64 Start: 42393, Stop: 42118, Start Num: 71

Candidate Starts for Nerujay_64:

(Start: 69 @42396 has 27 MA's), (Start: 71 @42393 has 99 MA's), (Start: 77 @42381 has 9 MA's), (Start: 99 @42351 has 11 MA's), (114, 42300), (117, 42285), (131, 42264), (142, 42234), (154, 42204),

Gene: Netyap_32 Start: 28422, Stop: 28688, Start Num: 93

Candidate Starts for Netyap_32:

(Start: 93 @28422 has 185 MA's), (Start: 107 @28467 has 7 MA's), (129, 28518), (159, 28584), (186, 28656), (192, 28677),

Gene: Nibb_69 Start: 43994, Stop: 44221, Start Num: 96

Candidate Starts for Nibb_69:

(Start: 96 @43994 has 167 MA's), (151, 44129), (167, 44165),

Gene: Nicholas_31 Start: 28784, Stop: 29050, Start Num: 93

Candidate Starts for Nicholas_31:

(Start: 93 @28784 has 185 MA's), (Start: 99 @28796 has 11 MA's), (Start: 107 @28829 has 7 MA's),

Gene: Nicholasp3_32 Start: 28424, Stop: 28690, Start Num: 93

Candidate Starts for Nicholasp3_32:

(Start: 93 @28424 has 185 MA's), (Start: 107 @28469 has 7 MA's), (129, 28520), (159, 28586), (186, 28658), (192, 28679),

Gene: NihilNomen_51 Start: 44218, Stop: 44466, Start Num: 94

Candidate Starts for NihilNomen_51:

(Start: 94 @44218 has 66 MA's), (145, 44350),

Gene: Nikao_58 Start: 43554, Stop: 43799, Start Num: 96

Candidate Starts for Nikao_58:

(47, 43482), (Start: 96 @43554 has 167 MA's), (134, 43659), (151, 43701), (167, 43737),

Gene: Niklas_69 Start: 44184, Stop: 44423, Start Num: 93

Candidate Starts for Niklas_69:

(Start: 93 @44184 has 185 MA's), (127, 44274), (142, 44310), (149, 44328), (177, 44391),

Gene: Nilo_41 Start: 36395, Stop: 36640, Start Num: 86

Candidate Starts for Nilo_41:

(Start: 62 @36353 has 2 MA's), (Start: 86 @36395 has 38 MA's), (Start: 99 @36416 has 11 MA's), (Start: 105 @36437 has 2 MA's), (114, 36464), (154, 36563), (156, 36566), (157, 36569), (182, 36620),

Gene: Nimrod_37 Start: 33377, Stop: 33622, Start Num: 93

Candidate Starts for Nimrod_37:

(Start: 93 @33377 has 185 MA's), (Start: 113 @33434 has 3 MA's), (127, 33467), (131, 33473), (152, 33527), (157, 33539),

Gene: Niobe_34 Start: 26608, Stop: 26865, Start Num: 91

Candidate Starts for Niobe_34:

(12, 26371), (13, 26380), (Start: 91 @26608 has 18 MA's), (Start: 108 @26656 has 1 MA's), (159, 26773),

Gene: Nitro_33 Start: 25923, Stop: 26186, Start Num: 76

Candidate Starts for Nitro_33:

(Start: 76 @25923 has 59 MA's), (156, 26103),

Gene: Niza_64 Start: 43063, Stop: 42797, Start Num: 71

Candidate Starts for Niza_64:

(Start: 69 @43066 has 27 MA's), (Start: 71 @43063 has 99 MA's), (Start: 77 @43051 has 9 MA's), (Start: 99 @43030 has 11 MA's), (114, 42979), (117, 42964), (131, 42943), (142, 42913), (154, 42883), (186, 42808),

Gene: NoSleep_38 Start: 32874, Stop: 33119, Start Num: 93

Candidate Starts for NoSleep_38:

(Start: 93 @32874 has 185 MA's), (Start: 113 @32931 has 3 MA's), (127, 32964), (131, 32970), (152, 33024), (157, 33036),

Gene: Norvs_124 Start: 71047, Stop: 71340, Start Num: 81

Candidate Starts for Norvs_124:

(Start: 81 @71047 has 13 MA's), (Start: 105 @71095 has 2 MA's), (154, 71224),

Gene: Norz_62 Start: 43480, Stop: 43214, Start Num: 71

Candidate Starts for Norz_62:

(Start: 69 @43483 has 27 MA's), (Start: 71 @43480 has 99 MA's), (Start: 77 @43468 has 9 MA's), (Start: 99 @43447 has 11 MA's), (114, 43396), (117, 43381), (131, 43360), (142, 43330), (154, 43300),

Gene: November_66 Start: 43864, Stop: 44103, Start Num: 96

Candidate Starts for November_66:

(53, 43798), (Start: 96 @43864 has 167 MA's), (Start: 99 @43873 has 11 MA's), (167, 44050),

Gene: Nutello_55 Start: 40941, Stop: 41186, Start Num: 96

Candidate Starts for Nutello_55:

(47, 40869), (Start: 96 @40941 has 167 MA's), (134, 41046), (151, 41088), (167, 41124),

Gene: ObiToo_36 Start: 25276, Stop: 25518, Start Num: 77

Candidate Starts for ObiToo_36:

(12, 25018), (17, 25054), (Start: 77 @25276 has 9 MA's),

Gene: Odette_52 Start: 43439, Stop: 43684, Start Num: 94

Candidate Starts for Odette_52:

(Start: 94 @43439 has 66 MA's), (114, 43502), (127, 43532), (129, 43535), (156, 43595), (157, 43598), (159, 43601),

Gene: OhShagHennessy_30 Start: 27655, Stop: 27924, Start Num: 93

Candidate Starts for OhShagHennessy_30:

(Start: 93 @27655 has 185 MA's), (Start: 107 @27700 has 7 MA's), (154, 27808),

Gene: Ohno789_62 Start: 41791, Stop: 41525, Start Num: 71

Candidate Starts for Ohno789_62:

(Start: 71 @41791 has 99 MA's), (Start: 77 @41779 has 9 MA's), (Start: 97 @41764 has 7 MA's),
(Start: 99 @41758 has 11 MA's), (114, 41707), (117, 41692), (131, 41671), (142, 41641), (154, 41611),
(186, 41536),

Gene: OkiRoe_61 Start: 42847, Stop: 43095, Start Num: 96

Candidate Starts for OkiRoe_61:

(Start: 96 @42847 has 167 MA's), (115, 42910),

Gene: Omega_56 Start: 45262, Stop: 45501, Start Num: 99

Candidate Starts for Omega_56:

(Start: 99 @45262 has 11 MA's), (Start: 106 @45289 has 1 MA's), (127, 45343), (129, 45346), (154,
45403), (172, 45439),

Gene: Omnicron_64 Start: 42953, Stop: 43201, Start Num: 96

Candidate Starts for Omnicron_64:

(Start: 96 @42953 has 167 MA's), (Start: 108 @42998 has 1 MA's),

Gene: OneUp_110 Start: 69312, Stop: 69614, Start Num: 75

Candidate Starts for OneUp_110:

(Start: 75 @69312 has 2 MA's), (Start: 83 @69324 has 15 MA's), (152, 69492),

Gene: Onyinye_53 Start: 39601, Stop: 39356, Start Num: 96

Candidate Starts for Onyinye_53:

(Start: 96 @39601 has 167 MA's), (114, 39541), (126, 39514), (142, 39475), (152, 39451), (153,
39445), (154, 39439), (165, 39415),

Gene: Optimus_57 Start: 45133, Stop: 45381, Start Num: 94

Candidate Starts for Optimus_57:

(Start: 94 @45133 has 66 MA's), (145, 45265),

Gene: OrionPax_38 Start: 32880, Stop: 33125, Start Num: 93

Candidate Starts for OrionPax_38:

(Start: 93 @32880 has 185 MA's), (Start: 113 @32937 has 3 MA's), (127, 32970), (131, 32976), (152,
33030), (157, 33042),

Gene: Oscar_70 Start: 44198, Stop: 44425, Start Num: 96

Candidate Starts for Oscar_70:

(Start: 96 @44198 has 167 MA's), (138, 44315), (151, 44333),

Gene: P1201_68 Start: 51515, Stop: 51231, Start Num: 86

Candidate Starts for P1201_68:

(Start: 86 @51515 has 38 MA's), (109, 51455), (181, 51260),

Gene: PSullivan_60 Start: 39680, Stop: 39405, Start Num: 71

Candidate Starts for PSullivan_60:

(Start: 69 @39683 has 27 MA's), (Start: 71 @39680 has 99 MA's), (Start: 77 @39668 has 9 MA's),
(Start: 99 @39638 has 11 MA's), (114, 39587), (117, 39572), (131, 39551), (142, 39521), (154, 39491),

Gene: PYPDinur_30 Start: 27624, Stop: 27842, Start Num: 107
Candidate Starts for PYPDinur_30:
(Start: 93 @27579 has 185 MA's), (Start: 107 @27624 has 7 MA's), (157, 27738),

Gene: PacerPaul_61 Start: 41105, Stop: 40827, Start Num: 69
Candidate Starts for PacerPaul_61:
(Start: 69 @41105 has 27 MA's), (Start: 71 @41102 has 99 MA's), (Start: 77 @41090 has 9 MA's),
(Start: 99 @41060 has 11 MA's), (114, 41009), (117, 40994), (131, 40973), (142, 40943), (154, 40913),

Gene: Padfoot_66 Start: 43819, Stop: 44061, Start Num: 96
Candidate Starts for Padfoot_66:
(Start: 96 @43819 has 167 MA's), (127, 43909), (167, 44005), (177, 44029),

Gene: Padpat_69 Start: 43939, Stop: 44181, Start Num: 96
Candidate Starts for Padpat_69:
(Start: 96 @43939 has 167 MA's), (127, 44029), (167, 44125), (177, 44149),

Gene: Palpatine_37 Start: 33149, Stop: 33394, Start Num: 93
Candidate Starts for Palpatine_37:
(Start: 93 @33149 has 185 MA's), (Start: 113 @33206 has 3 MA's), (127, 33239), (131, 33245), (152, 33299), (157, 33311),

Gene: Panchaali_104 Start: 83918, Stop: 84178, Start Num: 94
Candidate Starts for Panchaali_104:
(Start: 94 @83918 has 66 MA's), (177, 84137),

Gene: Panchino_48 Start: 35810, Stop: 36058, Start Num: 76
Candidate Starts for Panchino_48:
(20, 35636), (42, 35732), (Start: 76 @35810 has 59 MA's), (Start: 97 @35822 has 7 MA's), (127, 35906), (154, 35972), (156, 35975),

Gene: Paola_60 Start: 42432, Stop: 42680, Start Num: 96
Candidate Starts for Paola_60:
(Start: 96 @42432 has 167 MA's), (117, 42507), (151, 42579),

Gene: Paperbeatsrock_39 Start: 34115, Stop: 34360, Start Num: 93
Candidate Starts for Paperbeatsrock_39:
(Start: 93 @34115 has 185 MA's), (Start: 113 @34172 has 3 MA's), (127, 34205), (131, 34211), (152, 34265), (157, 34277),

Gene: Papez_64 Start: 42624, Stop: 42355, Start Num: 69
Candidate Starts for Papez_64:
(Start: 69 @42624 has 27 MA's), (Start: 71 @42621 has 99 MA's), (Start: 77 @42609 has 9 MA's),
(Start: 99 @42588 has 11 MA's), (114, 42537), (117, 42522), (131, 42501), (142, 42471), (154, 42441),

Gene: Papyrus_40 Start: 36054, Stop: 36299, Start Num: 86
Candidate Starts for Papyrus_40:
(Start: 62 @36012 has 2 MA's), (Start: 86 @36054 has 38 MA's), (Start: 99 @36075 has 11 MA's),
(Start: 105 @36096 has 2 MA's), (Start: 113 @36120 has 3 MA's), (114, 36123), (154, 36222), (156, 36225), (157, 36228),

Gene: Paraselene_60 Start: 41399, Stop: 41133, Start Num: 71
Candidate Starts for Paraselene_60:

(Start: 69 @41402 has 27 MA's), (Start: 71 @41399 has 99 MA's), (Start: 77 @41387 has 9 MA's), (Start: 99 @41366 has 11 MA's), (114, 41315), (117, 41300), (131, 41279), (142, 41249), (154, 41219), (186, 41144),

Gene: Pari_65 Start: 40809, Stop: 40543, Start Num: 71

Candidate Starts for Pari_65:

(Start: 69 @40812 has 27 MA's), (Start: 71 @40809 has 99 MA's), (Start: 77 @40797 has 9 MA's), (Start: 97 @40782 has 7 MA's), (Start: 99 @40776 has 11 MA's), (114, 40725), (117, 40710), (131, 40689), (142, 40659), (154, 40629), (186, 40554),

Gene: Parmesanjohn_50 Start: 34925, Stop: 35173, Start Num: 76

Candidate Starts for Parmesanjohn_50:

(8, 34511), (18, 34718), (20, 34751), (42, 34847), (Start: 76 @34925 has 59 MA's), (Start: 97 @34937 has 7 MA's), (Start: 99 @34943 has 11 MA's), (127, 35021), (154, 35087), (156, 35090),

Gene: Partridge_45 Start: 34587, Stop: 34291, Start Num: 82

Candidate Starts for Partridge_45:

(Start: 82 @34587 has 47 MA's), (Start: 99 @34563 has 11 MA's), (142, 34449), (143, 34446), (156, 34413), (159, 34407), (185, 34347), (193, 34299),

Gene: PascalRango_60 Start: 40921, Stop: 40646, Start Num: 71

Candidate Starts for PascalRango_60:

(Start: 69 @40924 has 27 MA's), (Start: 71 @40921 has 99 MA's), (Start: 77 @40909 has 9 MA's), (Start: 99 @40879 has 11 MA's), (114, 40828), (117, 40813), (131, 40792), (142, 40762), (154, 40732),

Gene: Pat3_36 Start: 31861, Stop: 32106, Start Num: 93

Candidate Starts for Pat3_36:

(Start: 93 @31861 has 185 MA's), (Start: 113 @31918 has 3 MA's), (127, 31951), (131, 31957), (149, 32005), (152, 32011), (157, 32023),

Gene: Patbob_109 Start: 87222, Stop: 87470, Start Num: 94

Candidate Starts for Patbob_109:

(Start: 94 @87222 has 66 MA's), (Start: 97 @87228 has 7 MA's), (Start: 99 @87234 has 11 MA's),

Gene: Patt_66 Start: 42008, Stop: 42271, Start Num: 86

Candidate Starts for Patt_66:

(21, 41825), (Start: 86 @42008 has 38 MA's), (127, 42110), (166, 42206), (187, 42260),

Gene: PattyP_64 Start: 42323, Stop: 42045, Start Num: 69

Candidate Starts for PattyP_64:

(Start: 69 @42323 has 27 MA's), (Start: 71 @42320 has 99 MA's), (Start: 77 @42308 has 9 MA's), (Start: 99 @42278 has 11 MA's), (114, 42227), (117, 42212), (131, 42191), (142, 42161), (154, 42131),

Gene: PauloDiaboli_20 Start: 7036, Stop: 7266, Start Num: 96

Candidate Starts for PauloDiaboli_20:

(Start: 96 @7036 has 167 MA's), (117, 7108), (139, 7150), (170, 7237), (173, 7255),

Gene: PauloDiaboli_218 Start: 116530, Stop: 116276, Start Num: 94

Candidate Starts for PauloDiaboli_218:

(Start: 94 @116530 has 66 MA's), (138, 116416), (149, 116389),

Gene: PauloDiaboli_375 Start: 183665, Stop: 183895, Start Num: 96

Candidate Starts for PauloDiaboli_375:

(Start: 96 @183665 has 167 MA's), (117, 183737), (139, 183779), (170, 183866), (173, 183884),

Gene: Payneful_60 Start: 40589, Stop: 40314, Start Num: 71

Candidate Starts for Payneful_60:

(Start: 69 @40592 has 27 MA's), (Start: 71 @40589 has 99 MA's), (Start: 77 @40577 has 9 MA's),
(Start: 99 @40547 has 11 MA's), (114, 40496), (117, 40481), (131, 40460), (138, 40439), (142, 40430),
(154, 40400),

Gene: Peanam_69 Start: 44141, Stop: 44380, Start Num: 93

Candidate Starts for Peanam_69:

(Start: 93 @44141 has 185 MA's), (127, 44231), (142, 44267), (149, 44285), (177, 44348),

Gene: Peel_66 Start: 43624, Stop: 43866, Start Num: 96

Candidate Starts for Peel_66:

(Start: 96 @43624 has 167 MA's), (127, 43714), (167, 43810), (177, 43834),

Gene: PegLeg_39 Start: 32761, Stop: 33039, Start Num: 79

Candidate Starts for PegLeg_39:

(35, 32650), (Start: 79 @32761 has 11 MA's), (Start: 94 @32779 has 66 MA's), (114, 32842), (151,
32929), (154, 32938), (159, 32947),

Gene: Pelly_63 Start: 43135, Stop: 42869, Start Num: 71

Candidate Starts for Pelly_63:

(Start: 69 @43138 has 27 MA's), (Start: 71 @43135 has 99 MA's), (Start: 77 @43123 has 9 MA's),
(Start: 99 @43102 has 11 MA's), (114, 43051), (117, 43036), (131, 43015), (142, 42985), (154, 42955),
(186, 42880),

Gene: Pepe_60 Start: 40251, Stop: 39985, Start Num: 71

Candidate Starts for Pepe_60:

(Start: 69 @40254 has 27 MA's), (Start: 71 @40251 has 99 MA's), (Start: 77 @40239 has 9 MA's),
(Start: 97 @40224 has 7 MA's), (Start: 99 @40218 has 11 MA's), (114, 40167), (117, 40152), (142,
40101), (154, 40071),

Gene: Percival_43 Start: 28266, Stop: 28523, Start Num: 88

Candidate Starts for Percival_43:

(30, 28155), (31, 28158), (Start: 88 @28266 has 11 MA's), (Start: 108 @28320 has 1 MA's), (156,
28446), (164, 28458), (169, 28470),

Gene: Perseus_61 Start: 42872, Stop: 42606, Start Num: 71

Candidate Starts for Perseus_61:

(Start: 69 @42875 has 27 MA's), (Start: 71 @42872 has 99 MA's), (Start: 77 @42860 has 9 MA's),
(Start: 99 @42839 has 11 MA's), (114, 42788), (117, 42773), (131, 42752), (142, 42722), (154, 42692),

Gene: Peterson_66 Start: 43632, Stop: 43366, Start Num: 71

Candidate Starts for Peterson_66:

(Start: 71 @43632 has 99 MA's), (Start: 77 @43620 has 9 MA's), (Start: 99 @43599 has 11 MA's),
(114, 43548), (117, 43533), (131, 43512), (142, 43482), (154, 43452), (186, 43377),

Gene: PeteyPab_51 Start: 43958, Stop: 43662, Start Num: 86

Candidate Starts for PeteyPab_51:

(Start: 86 @43958 has 38 MA's), (109, 43895), (149, 43781), (153, 43769), (172, 43736), (191, 43667),

Gene: Petra64142_39 Start: 33595, Stop: 33840, Start Num: 93

Candidate Starts for Petra64142_39:

(Start: 93 @33595 has 185 MA's), (Start: 113 @33652 has 3 MA's), (127, 33685), (131, 33691), (152, 33745), (157, 33757),

Gene: Petruccio_62 Start: 40710, Stop: 40435, Start Num: 71

Candidate Starts for Petruccio_62:

(Start: 69 @40713 has 27 MA's), (Start: 71 @40710 has 99 MA's), (Start: 77 @40698 has 9 MA's), (Start: 99 @40668 has 11 MA's), (114, 40617), (117, 40602), (131, 40581), (142, 40551), (154, 40521), (186, 40446),

Gene: Phabba_83 Start: 30849, Stop: 31100, Start Num: 94

Candidate Starts for Phabba_83:

(Start: 94 @30849 has 66 MA's), (Start: 108 @30894 has 1 MA's), (142, 30975),

Gene: PhailMary_45 Start: 34620, Stop: 34324, Start Num: 82

Candidate Starts for PhailMary_45:

(Start: 82 @34620 has 47 MA's), (Start: 97 @34602 has 7 MA's), (Start: 99 @34596 has 11 MA's), (114, 34548), (143, 34479), (156, 34446), (159, 34440), (185, 34380), (193, 34332),

Gene: Phaja_37 Start: 33368, Stop: 33556, Start Num: 113

Candidate Starts for Phaja_37:

(Start: 93 @33311 has 185 MA's), (Start: 113 @33368 has 3 MA's), (127, 33401), (131, 33407), (152, 33461), (157, 33473),

Gene: PhancyPhin_55 Start: 36169, Stop: 36417, Start Num: 76

Candidate Starts for PhancyPhin_55:

(Start: 76 @36169 has 59 MA's), (Start: 97 @36181 has 7 MA's), (154, 36331), (156, 36334), (186, 36409),

Gene: Pharb_67 Start: 43448, Stop: 43690, Start Num: 92

Candidate Starts for Pharb_67:

(Start: 92 @43448 has 7 MA's), (Start: 105 @43481 has 2 MA's), (127, 43538), (156, 43610),

Gene: Pharsalus_38 Start: 33915, Stop: 34160, Start Num: 93

Candidate Starts for Pharsalus_38:

(Start: 93 @33915 has 185 MA's), (Start: 113 @33972 has 3 MA's), (127, 34005), (131, 34011), (152, 34065), (157, 34077),

Gene: PhatBacter_37 Start: 33163, Stop: 33408, Start Num: 93

Candidate Starts for PhatBacter_37:

(Start: 93 @33163 has 185 MA's), (Start: 113 @33220 has 3 MA's), (127, 33253), (131, 33259), (152, 33313), (157, 33325),

Gene: Phaux_36 Start: 33161, Stop: 33406, Start Num: 93

Candidate Starts for Phaux_36:

(Start: 93 @33161 has 185 MA's), (Start: 113 @33218 has 3 MA's), (127, 33251), (131, 33257), (152, 33311), (157, 33323),

Gene: PhelpsODU_68 Start: 43391, Stop: 43630, Start Num: 96

Candidate Starts for PhelpsODU_68:

(Start: 96 @43391 has 167 MA's), (Start: 99 @43400 has 11 MA's), (127, 43481), (156, 43550),

Gene: PherrisBueller_61 Start: 39865, Stop: 39599, Start Num: 71

Candidate Starts for PherrisBueller_61:

(Start: 71 @39865 has 99 MA's), (Start: 77 @39853 has 9 MA's), (Start: 97 @39838 has 7 MA's),
(Start: 99 @39832 has 11 MA's), (114, 39781), (117, 39766), (131, 39745), (142, 39715), (154, 39685),
(186, 39610),

Gene: PhineBark_61 Start: 41556, Stop: 41281, Start Num: 71

Candidate Starts for PhineBark_61:

(Start: 69 @41559 has 27 MA's), (Start: 71 @41556 has 99 MA's), (Start: 77 @41544 has 9 MA's),
(Start: 99 @41514 has 11 MA's), (117, 41448), (131, 41427), (142, 41397), (154, 41367),

Gene: PhinkBoden_125 Start: 71915, Stop: 72205, Start Num: 83

Candidate Starts for PhinkBoden_125:

(37, 71807), (43, 71822), (59, 71867), (Start: 83 @71915 has 15 MA's), (Start: 105 @71960 has 2
MA's), (154, 72089),

Gene: Phives_35 Start: 26643, Stop: 26906, Start Num: 76

Candidate Starts for Phives_35:

(12, 26406), (14, 26415), (Start: 76 @26643 has 59 MA's),

Gene: Phlippers_58 Start: 41400, Stop: 41134, Start Num: 71

Candidate Starts for Phlippers_58:

(Start: 69 @41403 has 27 MA's), (Start: 71 @41400 has 99 MA's), (Start: 77 @41388 has 9 MA's),
(Start: 99 @41367 has 11 MA's), (114, 41316), (117, 41301), (131, 41280), (142, 41250), (154, 41220),

Gene: Phloss_48 Start: 34332, Stop: 34580, Start Num: 76

Candidate Starts for Phloss_48:

(8, 33918), (18, 34125), (20, 34158), (42, 34254), (Start: 76 @34332 has 59 MA's), (Start: 97 @34344
has 7 MA's), (Start: 99 @34350 has 11 MA's), (127, 34428), (154, 34494), (156, 34497),

Gene: Phoebus_51 Start: 44419, Stop: 44667, Start Num: 94

Candidate Starts for Phoebus_51:

(Start: 94 @44419 has 66 MA's), (145, 44551),

Gene: Phrampa_103 Start: 88629, Stop: 88877, Start Num: 94

Candidate Starts for Phrampa_103:

(Start: 94 @88629 has 66 MA's), (Start: 97 @88635 has 7 MA's), (Start: 99 @88641 has 11 MA's),
(149, 88773),

Gene: Phrank_70 Start: 43454, Stop: 43693, Start Num: 96

Candidate Starts for Phrank_70:

(Start: 49 @43370 has 1 MA's), (Start: 96 @43454 has 167 MA's), (Start: 99 @43463 has 11 MA's),
(127, 43544), (149, 43598),

Gene: Phrankenstein_46 Start: 34244, Stop: 33948, Start Num: 82

Candidate Starts for Phrankenstein_46:

(Start: 82 @34244 has 47 MA's), (Start: 97 @34226 has 7 MA's), (Start: 99 @34220 has 11 MA's),
(143, 34103), (156, 34070), (159, 34064), (185, 34004), (193, 33956),

Gene: Phrann_52 Start: 36452, Stop: 36700, Start Num: 76

Candidate Starts for Phrann_52:

(Start: 76 @36452 has 59 MA's), (Start: 97 @36464 has 7 MA's), (154, 36614), (156, 36617), (186,
36692),

Gene: PhrostyMug_62 Start: 42644, Stop: 42375, Start Num: 69

Candidate Starts for PhrostyMug_62:

(Start: 69 @42644 has 27 MA's), (Start: 71 @42641 has 99 MA's), (Start: 77 @42629 has 9 MA's),
(Start: 99 @42608 has 11 MA's), (114, 42557), (117, 42542), (131, 42521), (142, 42491), (154, 42461),

Gene: Phrux_37 Start: 32876, Stop: 33121, Start Num: 93

Candidate Starts for Phrux_37:

(Start: 93 @32876 has 185 MA's), (Start: 113 @32933 has 3 MA's), (127, 32966), (131, 32972), (152, 33026), (157, 33038),

Gene: Piatt_66 Start: 43819, Stop: 44061, Start Num: 96

Candidate Starts for Piatt_66:

(Start: 96 @43819 has 167 MA's), (127, 43909), (167, 44005), (177, 44029),

Gene: PinkPlastic_62 Start: 41194, Stop: 40919, Start Num: 71

Candidate Starts for PinkPlastic_62:

(Start: 69 @41197 has 27 MA's), (Start: 71 @41194 has 99 MA's), (Start: 77 @41182 has 9 MA's),
(Start: 99 @41152 has 11 MA's), (114, 41101), (117, 41086), (131, 41065), (142, 41035), (154, 41005),
(186, 40930),

Gene: Pinto_62 Start: 40971, Stop: 40705, Start Num: 68

Candidate Starts for Pinto_62:

(Start: 68 @40971 has 5 MA's), (Start: 77 @40959 has 9 MA's), (Start: 99 @40938 has 11 MA's), (114, 40887), (117, 40872), (131, 40851), (142, 40821), (154, 40791), (186, 40716),

Gene: Pippin_62 Start: 40576, Stop: 40307, Start Num: 69

Candidate Starts for Pippin_62:

(Start: 69 @40576 has 27 MA's), (Start: 71 @40573 has 99 MA's), (Start: 77 @40561 has 9 MA's),
(Start: 99 @40540 has 11 MA's), (114, 40489), (117, 40474), (131, 40453), (142, 40423), (154, 40393),

Gene: Pippin15_52 Start: 34099, Stop: 34347, Start Num: 91

Candidate Starts for Pippin15_52:

(Start: 91 @34099 has 18 MA's), (Start: 99 @34114 has 11 MA's), (131, 34198), (154, 34258), (156, 34261), (159, 34267), (183, 34336),

Gene: Pipsqueaks_50 Start: 34902, Stop: 35150, Start Num: 76

Candidate Starts for Pipsqueaks_50:

(8, 34488), (18, 34695), (20, 34728), (42, 34824), (Start: 76 @34902 has 59 MA's), (Start: 97 @34914 has 7 MA's), (Start: 99 @34920 has 11 MA's), (127, 34998), (154, 35064), (156, 35067),

Gene: Pita2_63 Start: 41180, Stop: 40902, Start Num: 69

Candidate Starts for Pita2_63:

(Start: 69 @41180 has 27 MA's), (Start: 71 @41177 has 99 MA's), (Start: 77 @41165 has 9 MA's),
(Start: 99 @41135 has 11 MA's), (114, 41084), (117, 41069), (131, 41048), (142, 41018), (154, 40988),

Gene: Pixelle_33 Start: 26398, Stop: 26640, Start Num: 77

Candidate Starts for Pixelle_33:

(Start: 77 @26398 has 9 MA's),

Gene: Pixie_67 Start: 43623, Stop: 43865, Start Num: 92

Candidate Starts for Pixie_67:

(Start: 92 @43623 has 7 MA's), (Start: 105 @43656 has 2 MA's), (127, 43713), (138, 43740), (151, 43773), (156, 43785),

Gene: Pokerus_66 Start: 43964, Stop: 44206, Start Num: 96
Candidate Starts for Pokerus_66:
(Start: 96 @43964 has 167 MA's), (127, 44054), (167, 44150), (177, 44174),

Gene: Policronamos_37 Start: 33161, Stop: 33406, Start Num: 93
Candidate Starts for Policronamos_37:
(Start: 93 @33161 has 185 MA's), (Start: 113 @33218 has 3 MA's), (127, 33251), (131, 33257), (152, 33311), (157, 33323),

Gene: Poochiewood_30 Start: 27690, Stop: 27959, Start Num: 93
Candidate Starts for Poochiewood_30:
(Start: 93 @27690 has 185 MA's), (Start: 107 @27735 has 7 MA's),

Gene: Porcelain_50 Start: 40623, Stop: 40862, Start Num: 99
Candidate Starts for Porcelain_50:
(Start: 99 @40623 has 11 MA's), (Start: 106 @40650 has 1 MA's), (127, 40704), (129, 40707), (154, 40764), (172, 40800),

Gene: Porky_37 Start: 32972, Stop: 33217, Start Num: 93
Candidate Starts for Porky_37:
(Start: 93 @32972 has 185 MA's), (Start: 113 @33029 has 3 MA's), (127, 33062), (131, 33068), (152, 33122), (157, 33134),

Gene: PotatoChip_52 Start: 43960, Stop: 43664, Start Num: 86
Candidate Starts for PotatoChip_52:
(Start: 86 @43960 has 38 MA's), (109, 43897), (149, 43783), (153, 43771), (172, 43738), (191, 43669),

Gene: Pound_54 Start: 45996, Stop: 46244, Start Num: 94
Candidate Starts for Pound_54:
(Start: 94 @45996 has 66 MA's), (145, 46128),

Gene: Powerpuff_35 Start: 25868, Stop: 26110, Start Num: 76
Candidate Starts for Powerpuff_35:
(Start: 76 @25868 has 59 MA's), (156, 26027),

Gene: Prithvi_68 Start: 44110, Stop: 44352, Start Num: 96
Candidate Starts for Prithvi_68:
(Start: 96 @44110 has 167 MA's), (127, 44200), (167, 44296),

Gene: Psycho_60 Start: 41080, Stop: 41328, Start Num: 96
Candidate Starts for Psycho_60:
(Start: 96 @41080 has 167 MA's), (117, 41155), (151, 41227),

Gene: Pumpernickel_201 Start: 115898, Stop: 115641, Start Num: 94
Candidate Starts for Pumpernickel_201:
(Start: 94 @115898 has 66 MA's), (149, 115754), (156, 115739),

Gene: Pumpkin_39 Start: 33212, Stop: 33457, Start Num: 93
Candidate Starts for Pumpkin_39:
(Start: 93 @33212 has 185 MA's), (Start: 113 @33269 has 3 MA's), (127, 33302), (131, 33308), (152, 33362), (157, 33374),

Gene: Pumpkins_33 Start: 25496, Stop: 25762, Start Num: 76
Candidate Starts for Pumpkins_33:
(Start: 76 @25496 has 59 MA's), (156, 25679),

Gene: Pupper_77 Start: 28936, Stop: 29202, Start Num: 94
Candidate Starts for Pupper_77:
(Start: 94 @28936 has 66 MA's), (Start: 107 @28984 has 7 MA's), (157, 29104), (178, 29164),

Gene: Purgamenstris_55 Start: 36173, Stop: 36421, Start Num: 76
Candidate Starts for Purgamenstris_55:
(Start: 76 @36173 has 59 MA's), (Start: 97 @36185 has 7 MA's), (154, 36335), (156, 36338), (186, 36413),

Gene: QTRlifeCrisis_62 Start: 41518, Stop: 41243, Start Num: 71
Candidate Starts for QTRlifeCrisis_62:
(Start: 69 @41521 has 27 MA's), (Start: 71 @41518 has 99 MA's), (Start: 77 @41506 has 9 MA's),
(Start: 99 @41476 has 11 MA's), (114, 41425), (117, 41410), (131, 41389), (142, 41359), (154, 41329),

Gene: Quallification_38 Start: 33341, Stop: 33586, Start Num: 93
Candidate Starts for Quallification_38:
(Start: 93 @33341 has 185 MA's), (Start: 113 @33398 has 3 MA's), (127, 33431), (131, 33437), (152, 33491), (157, 33503),

Gene: Quby_30 Start: 27518, Stop: 27736, Start Num: 107
Candidate Starts for Quby_30:
(Start: 93 @27473 has 185 MA's), (Start: 107 @27518 has 7 MA's), (127, 27566), (157, 27632),

Gene: QuincyRose_64 Start: 43845, Stop: 44087, Start Num: 96
Candidate Starts for QuincyRose_64:
(Start: 96 @43845 has 167 MA's), (127, 43935), (167, 44031), (177, 44055),

Gene: RER2_39 Start: 31170, Stop: 30874, Start Num: 82
Candidate Starts for RER2_39:
(Start: 82 @31170 has 47 MA's), (Start: 97 @31152 has 7 MA's), (Start: 99 @31146 has 11 MA's),
(143, 31029), (156, 30996), (159, 30990), (185, 30930), (193, 30882),

Gene: RGL3_40 Start: 32103, Stop: 31804, Start Num: 82
Candidate Starts for RGL3_40:
(26, 32253), (Start: 82 @32103 has 47 MA's), (Start: 97 @32085 has 7 MA's), (98, 32082), (142, 31965), (154, 31932), (156, 31929),

Gene: Racecar_109 Start: 87140, Stop: 87388, Start Num: 94
Candidate Starts for Racecar_109:
(Start: 94 @87140 has 66 MA's), (Start: 97 @87146 has 7 MA's), (Start: 99 @87152 has 11 MA's),

Gene: Rajelicia_62 Start: 42806, Stop: 42531, Start Num: 71
Candidate Starts for Rajelicia_62:
(Start: 69 @42809 has 27 MA's), (Start: 71 @42806 has 99 MA's), (Start: 77 @42794 has 9 MA's),
(Start: 99 @42764 has 11 MA's), (114, 42713), (117, 42698), (131, 42677), (142, 42647), (154, 42617),

Gene: Rakim_38 Start: 33241, Stop: 33486, Start Num: 93
Candidate Starts for Rakim_38:

(Start: 93 @33241 has 185 MA's), (Start: 113 @33298 has 3 MA's), (127, 33331), (131, 33337), (152, 33391), (157, 33403),

Gene: Ramen_67 Start: 43469, Stop: 43711, Start Num: 96

Candidate Starts for Ramen_67:

(Start: 96 @43469 has 167 MA's), (127, 43559), (167, 43655), (177, 43679),

Gene: Rando14_62 Start: 40667, Stop: 40915, Start Num: 96

Candidate Starts for Rando14_62:

(Start: 96 @40667 has 167 MA's),

Gene: Rapunzel97_68 Start: 43920, Stop: 44162, Start Num: 96

Candidate Starts for Rapunzel97_68:

(Start: 96 @43920 has 167 MA's), (127, 44010), (167, 44106), (177, 44130),

Gene: Rasputin_46 Start: 34268, Stop: 33972, Start Num: 82

Candidate Starts for Rasputin_46:

(Start: 82 @34268 has 47 MA's), (Start: 97 @34250 has 7 MA's), (Start: 99 @34244 has 11 MA's), (143, 34127), (156, 34094), (159, 34088), (185, 34028), (193, 33980),

Gene: Raymond7_49 Start: 35961, Stop: 36209, Start Num: 76

Candidate Starts for Raymond7_49:

(Start: 76 @35961 has 59 MA's), (Start: 97 @35973 has 7 MA's), (154, 36123), (156, 36126), (186, 36201),

Gene: Rearden_46 Start: 40216, Stop: 40461, Start Num: 94

Candidate Starts for Rearden_46:

(Start: 94 @40216 has 66 MA's), (Start: 99 @40228 has 11 MA's), (145, 40348),

Gene: Red305_31 Start: 28796, Stop: 29050, Start Num: 99

Candidate Starts for Red305_31:

(Start: 93 @28784 has 185 MA's), (Start: 99 @28796 has 11 MA's), (Start: 107 @28829 has 7 MA's),

Gene: Redi_55 Start: 36172, Stop: 36420, Start Num: 76

Candidate Starts for Redi_55:

(Start: 76 @36172 has 59 MA's), (Start: 97 @36184 has 7 MA's), (154, 36334), (156, 36337), (186, 36412),

Gene: Redno2_50 Start: 41183, Stop: 41428, Start Num: 94

Candidate Starts for Redno2_50:

(Start: 94 @41183 has 66 MA's), (114, 41246), (127, 41276), (129, 41279), (156, 41339), (157, 41342), (159, 41345),

Gene: Reedo_32 Start: 23099, Stop: 23341, Start Num: 80

Candidate Starts for Reedo_32:

(11, 22766), (15, 22862), (16, 22871), (24, 22946), (Start: 80 @23099 has 1 MA's),

Gene: ReginaGlobina_107 Start: 86858, Stop: 87121, Start Num: 94

Candidate Starts for ReginaGlobina_107:

(Start: 94 @86858 has 66 MA's), (171, 87047),

Gene: Reindeer_39 Start: 33229, Stop: 33507, Start Num: 79

Candidate Starts for Reindeer_39:

(Start: 79 @33229 has 11 MA's), (Start: 94 @33247 has 66 MA's), (114, 33310), (117, 33325), (151, 33397), (154, 33406), (156, 33409), (159, 33415),

Gene: Reptar3000_67 Start: 41997, Stop: 42260, Start Num: 86

Candidate Starts for Reptar3000_67:

(Start: 86 @41997 has 38 MA's), (127, 42099), (166, 42195), (187, 42249),

Gene: RexFury_45 Start: 34329, Stop: 34033, Start Num: 82

Candidate Starts for RexFury_45:

(Start: 82 @34329 has 47 MA's), (Start: 97 @34311 has 7 MA's), (Start: 99 @34305 has 11 MA's), (143, 34188), (156, 34155), (159, 34149), (185, 34089), (193, 34041),

Gene: Rey_44 Start: 34155, Stop: 34406, Start Num: 93

Candidate Starts for Rey_44:

(Start: 93 @34155 has 185 MA's), (127, 34248), (147, 34299), (149, 34302), (154, 34314),

Gene: Rhodalysa_46 Start: 34298, Stop: 34002, Start Num: 82

Candidate Starts for Rhodalysa_46:

(Start: 82 @34298 has 47 MA's), (Start: 97 @34280 has 7 MA's), (Start: 99 @34274 has 11 MA's), (143, 34157), (156, 34124), (159, 34118), (185, 34058), (193, 34010),

Gene: Rhynn_60 Start: 40743, Stop: 40474, Start Num: 69

Candidate Starts for Rhynn_60:

(31, 40845), (32, 40842), (46, 40797), (54, 40779), (Start: 69 @40743 has 27 MA's), (Start: 71 @40740 has 99 MA's), (Start: 77 @40728 has 9 MA's), (Start: 99 @40707 has 11 MA's), (114, 40656), (117, 40641), (131, 40620), (142, 40590), (154, 40560),

Gene: Richo_69 Start: 44123, Stop: 44362, Start Num: 93

Candidate Starts for Richo_69:

(Start: 93 @44123 has 185 MA's), (127, 44213), (142, 44249), (149, 44267), (177, 44330),

Gene: RidgeCB_61 Start: 40947, Stop: 40681, Start Num: 68

Candidate Starts for RidgeCB_61:

(Start: 68 @40947 has 5 MA's), (Start: 77 @40935 has 9 MA's), (Start: 99 @40914 has 11 MA's), (114, 40863), (117, 40848), (131, 40827), (142, 40797), (154, 40767),

Gene: Rimmer_36 Start: 32701, Stop: 32946, Start Num: 93

Candidate Starts for Rimmer_36:

(Start: 93 @32701 has 185 MA's), (Start: 113 @32758 has 3 MA's), (127, 32791), (131, 32797), (152, 32851), (157, 32863),

Gene: Ringer_62 Start: 42252, Stop: 42001, Start Num: 87

Candidate Starts for Ringer_62:

(38, 42357), (Start: 87 @42252 has 4 MA's), (114, 42183), (117, 42168), (131, 42147), (142, 42117), (154, 42087), (186, 42012),

Gene: Riparian_40 Start: 35856, Stop: 36101, Start Num: 86

Candidate Starts for Riparian_40:

(Start: 62 @35814 has 2 MA's), (Start: 86 @35856 has 38 MA's), (Start: 99 @35877 has 11 MA's), (Start: 105 @35898 has 2 MA's), (Start: 113 @35922 has 3 MA's), (114, 35925), (154, 36024), (156, 36027), (157, 36030),

Gene: RiverMonster_37 Start: 32890, Stop: 33135, Start Num: 93

Candidate Starts for RiverMonster_37:

(Start: 93 @32890 has 185 MA's), (Start: 113 @32947 has 3 MA's), (127, 32980), (131, 32986), (152, 33040), (157, 33052),

Gene: RockScotty_31 Start: 22561, Stop: 22827, Start Num: 82

Candidate Starts for RockScotty_31:

(Start: 82 @22561 has 47 MA's), (Start: 95 @22576 has 1 MA's), (116, 22639), (124, 22657), (169, 22759),

Gene: Rockabye_113 Start: 80343, Stop: 80585, Start Num: 94

Candidate Starts for Rockabye_113:

(64, 80295), (Start: 94 @80343 has 66 MA's), (127, 80433), (156, 80502),

Gene: Ronaldo_118 Start: 57046, Stop: 57285, Start Num: 97

Candidate Starts for Ronaldo_118:

(Start: 97 @57046 has 7 MA's), (143, 57169), (177, 57241), (178, 57244),

Gene: Rope_40 Start: 36036, Stop: 36281, Start Num: 86

Candidate Starts for Rope_40:

(Start: 62 @35994 has 2 MA's), (Start: 86 @36036 has 38 MA's), (Start: 99 @36057 has 11 MA's), (Start: 105 @36078 has 2 MA's), (Start: 113 @36102 has 3 MA's), (114, 36105), (154, 36204), (156, 36207), (157, 36210),

Gene: Rose5_30 Start: 27690, Stop: 27959, Start Num: 93

Candidate Starts for Rose5_30:

(Start: 93 @27690 has 185 MA's), (Start: 107 @27735 has 7 MA's), (154, 27843),

Gene: Rosmarinus_66 Start: 43610, Stop: 43852, Start Num: 96

Candidate Starts for Rosmarinus_66:

(Start: 96 @43610 has 167 MA's), (127, 43700), (167, 43796), (177, 43820),

Gene: Rubeelu_53 Start: 35513, Stop: 35761, Start Num: 76

Candidate Starts for Rubeelu_53:

(20, 35339), (42, 35435), (Start: 76 @35513 has 59 MA's), (Start: 97 @35525 has 7 MA's), (127, 35609), (154, 35675), (156, 35678),

Gene: Rubeus_60 Start: 38752, Stop: 38498, Start Num: 77

Candidate Starts for Rubeus_60:

(Start: 68 @38764 has 5 MA's), (Start: 77 @38752 has 9 MA's), (Start: 99 @38731 has 11 MA's), (114, 38680), (117, 38665), (131, 38644), (142, 38614), (154, 38584), (186, 38509),

Gene: Rufus_63 Start: 41448, Stop: 41182, Start Num: 68

Candidate Starts for Rufus_63:

(Start: 68 @41448 has 5 MA's), (Start: 77 @41436 has 9 MA's), (Start: 99 @41415 has 11 MA's), (114, 41364), (117, 41349), (131, 41328), (142, 41298), (154, 41268), (186, 41193),

Gene: Rumpelstiltskin_32 Start: 28735, Stop: 28956, Start Num: 107

Candidate Starts for Rumpelstiltskin_32:

(Start: 93 @28690 has 185 MA's), (Start: 107 @28735 has 7 MA's), (129, 28786), (159, 28852), (186, 28924), (192, 28945),

Gene: Ruotula_64 Start: 42952, Stop: 42695, Start Num: 78

Candidate Starts for Ruotula_64:

(Start: 78 @42952 has 10 MA's), (Start: 97 @42934 has 7 MA's), (Start: 99 @42928 has 11 MA's), (114, 42877), (117, 42862), (131, 42841), (142, 42811), (154, 42781),

Gene: Rutherferd_64 Start: 42559, Stop: 42290, Start Num: 69

Candidate Starts for Rutherferd_64:

(31, 42661), (32, 42658), (46, 42613), (54, 42595), (Start: 69 @42559 has 27 MA's), (Start: 71 @42556 has 99 MA's), (Start: 77 @42544 has 9 MA's), (Start: 99 @42523 has 11 MA's), (114, 42472), (117, 42457), (131, 42436), (142, 42406), (154, 42376),

Gene: Ruthiejr_71 Start: 43418, Stop: 43732, Start Num: 86

Candidate Starts for Ruthiejr_71:

(Start: 86 @43418 has 38 MA's), (Start: 97 @43433 has 7 MA's), (Start: 105 @43463 has 2 MA's), (127, 43520),

Gene: SCentae_76 Start: 28691, Stop: 28957, Start Num: 94

Candidate Starts for SCentae_76:

(Start: 94 @28691 has 66 MA's), (Start: 107 @28739 has 7 MA's), (157, 28859), (178, 28919),

Gene: SJReid_115 Start: 79391, Stop: 79633, Start Num: 94

Candidate Starts for SJReid_115:

(Start: 94 @79391 has 66 MA's), (149, 79535),

Gene: STLscum_70 Start: 43220, Stop: 42969, Start Num: 87

Candidate Starts for STLscum_70:

(38, 43325), (Start: 87 @43220 has 4 MA's), (114, 43151), (117, 43136), (131, 43115), (142, 43085), (154, 43055), (186, 42980),

Gene: Sabourin_32 Start: 22493, Stop: 22759, Start Num: 82

Candidate Starts for Sabourin_32:

(Start: 82 @22493 has 47 MA's), (Start: 90 @22502 has 3 MA's), (Start: 95 @22508 has 1 MA's), (116, 22571),

Gene: Sagefire_64 Start: 42827, Stop: 42561, Start Num: 71

Candidate Starts for Sagefire_64:

(Start: 69 @42830 has 27 MA's), (Start: 71 @42827 has 99 MA's), (Start: 77 @42815 has 9 MA's), (Start: 99 @42794 has 11 MA's), (114, 42743), (117, 42728), (131, 42707), (142, 42677), (154, 42647),

Gene: Saints25_38 Start: 32793, Stop: 33038, Start Num: 93

Candidate Starts for Saints25_38:

(Start: 93 @32793 has 185 MA's), (Start: 113 @32850 has 3 MA's), (127, 32883), (131, 32889), (152, 32943), (157, 32955),

Gene: SamScheppers_68 Start: 43849, Stop: 44112, Start Num: 86

Candidate Starts for SamScheppers_68:

(Start: 86 @43849 has 38 MA's), (Start: 97 @43864 has 7 MA's), (127, 43951), (166, 44047), (187, 44101),

Gene: Samty_31 Start: 28787, Stop: 29053, Start Num: 93

Candidate Starts for Samty_31:

(Start: 93 @28787 has 185 MA's), (Start: 99 @28799 has 11 MA's), (Start: 107 @28832 has 7 MA's),

Gene: SamuelLPlaqson_67 Start: 44362, Stop: 44604, Start Num: 96

Candidate Starts for SamuelLPlaqson_67:

(Start: 96 @44362 has 167 MA's), (127, 44452), (167, 44548), (177, 44572),

Gene: Sandaddy_58 Start: 40699, Stop: 40442, Start Num: 78

Candidate Starts for Sandaddy_58:

(Start: 78 @40699 has 10 MA's), (Start: 97 @40681 has 7 MA's), (Start: 99 @40675 has 11 MA's), (114, 40624), (117, 40609), (131, 40588), (142, 40558), (154, 40528), (186, 40453),

Gene: Sanya_57 Start: 41974, Stop: 41741, Start Num: 99

Candidate Starts for Sanya_57:

(Start: 68 @42007 has 5 MA's), (Start: 77 @41995 has 9 MA's), (Start: 99 @41974 has 11 MA's), (114, 41923), (117, 41908), (131, 41887), (142, 41857), (154, 41827), (186, 41752),

Gene: SarFire_61 Start: 41167, Stop: 40898, Start Num: 69

Candidate Starts for SarFire_61:

(Start: 69 @41167 has 27 MA's), (Start: 71 @41164 has 99 MA's), (Start: 77 @41152 has 9 MA's), (Start: 97 @41137 has 7 MA's), (Start: 99 @41131 has 11 MA's), (114, 41080), (117, 41065), (131, 41044), (142, 41014), (154, 40984), (186, 40909),

Gene: Sarshaun_32 Start: 28500, Stop: 28721, Start Num: 107

Candidate Starts for Sarshaun_32:

(Start: 93 @28455 has 185 MA's), (Start: 107 @28500 has 7 MA's), (129, 28551), (159, 28617), (186, 28689), (192, 28710),

Gene: Sassay_36 Start: 32639, Stop: 32884, Start Num: 93

Candidate Starts for Sassay_36:

(Start: 93 @32639 has 185 MA's), (Start: 113 @32696 has 3 MA's), (127, 32729), (131, 32735), (152, 32789), (157, 32801),

Gene: Scarlett_71 Start: 44528, Stop: 44758, Start Num: 96

Candidate Starts for Scarlett_71:

(Start: 96 @44528 has 167 MA's), (138, 44645), (151, 44663),

Gene: Schatzie_49 Start: 43187, Stop: 43432, Start Num: 94

Candidate Starts for Schatzie_49:

(Start: 94 @43187 has 66 MA's), (114, 43250), (127, 43280), (129, 43283), (156, 43343), (157, 43346), (159, 43349),

Gene: Schmidt_57 Start: 36601, Stop: 36840, Start Num: 96

Candidate Starts for Schmidt_57:

(33, 36481), (Start: 96 @36601 has 167 MA's), (Start: 108 @36643 has 1 MA's), (114, 36658), (124, 36682), (131, 36694), (152, 36763), (156, 36772), (183, 36832),

Gene: Schnauzer_51 Start: 34925, Stop: 35173, Start Num: 76

Candidate Starts for Schnauzer_51:

(8, 34511), (18, 34718), (20, 34751), (42, 34847), (Start: 76 @34925 has 59 MA's), (Start: 97 @34937 has 7 MA's), (Start: 99 @34943 has 11 MA's), (127, 35021), (154, 35087), (156, 35090),

Gene: ScoobyDoobyDoo_73 Start: 26882, Stop: 27106, Start Num: 96

Candidate Starts for ScoobyDoobyDoo_73:

(Start: 96 @26882 has 167 MA's), (112, 26933), (143, 27005), (149, 27023), (152, 27029), (154, 27035), (174, 27071),

Gene: Send513_40 Start: 36392, Stop: 36637, Start Num: 86

Candidate Starts for Send513_40:

(Start: 62 @36350 has 2 MA's), (Start: 86 @36392 has 38 MA's), (Start: 99 @36413 has 11 MA's),
(Start: 105 @36434 has 2 MA's), (114, 36461), (154, 36560), (156, 36563), (157, 36566), (182, 36617),

Gene: Serenabean_52 Start: 34263, Stop: 34496, Start Num: 91

Candidate Starts for Serenabean_52:

(Start: 91 @34263 has 18 MA's), (114, 34326), (142, 34398),

Gene: SgtBeansprout_56 Start: 40941, Stop: 41186, Start Num: 96

Candidate Starts for SgtBeansprout_56:

(47, 40869), (Start: 96 @40941 has 167 MA's), (134, 41046), (151, 41088), (167, 41124),

Gene: Shaboozey_44 Start: 38020, Stop: 38232, Start Num: 106

Candidate Starts for Shaboozey_44:

(Start: 99 @37993 has 11 MA's), (Start: 106 @38020 has 1 MA's), (127, 38074), (129, 38077), (154, 38134), (172, 38170),

Gene: Shadow1_71 Start: 43904, Stop: 44143, Start Num: 96

Candidate Starts for Shadow1_71:

(Start: 49 @43820 has 1 MA's), (Start: 96 @43904 has 167 MA's), (Start: 99 @43913 has 11 MA's),
(127, 43994), (149, 44048), (156, 44063),

Gene: Shaffner_34 Start: 25723, Stop: 25989, Start Num: 76

Candidate Starts for Shaffner_34:

(12, 25465), (17, 25501), (Start: 76 @25723 has 59 MA's), (156, 25906),

Gene: ShamWow_37 Start: 33135, Stop: 33380, Start Num: 93

Candidate Starts for ShamWow_37:

(Start: 93 @33135 has 185 MA's), (Start: 113 @33192 has 3 MA's), (127, 33225), (131, 33231), (152, 33285), (157, 33297),

Gene: Shaobing_69 Start: 44159, Stop: 44398, Start Num: 93

Candidate Starts for Shaobing_69:

(Start: 93 @44159 has 185 MA's), (127, 44249), (142, 44285), (149, 44303), (177, 44366),

Gene: ShedlockHolmes_69 Start: 44136, Stop: 44378, Start Num: 92

Candidate Starts for ShedlockHolmes_69:

(Start: 92 @44136 has 7 MA's), (Start: 105 @44169 has 2 MA's), (127, 44226), (151, 44286), (156, 44298),

Gene: Sheng711_30 Start: 27624, Stop: 27842, Start Num: 107

Candidate Starts for Sheng711_30:

(Start: 93 @27579 has 185 MA's), (Start: 107 @27624 has 7 MA's), (157, 27738),

Gene: ShereKhan_39 Start: 34175, Stop: 34363, Start Num: 113

Candidate Starts for ShereKhan_39:

(Start: 93 @34118 has 185 MA's), (Start: 113 @34175 has 3 MA's), (127, 34208), (131, 34214), (152, 34268), (157, 34280),

Gene: ShiaSurprise_67 Start: 43819, Stop: 44061, Start Num: 96

Candidate Starts for ShiaSurprise_67:

(Start: 96 @43819 has 167 MA's), (127, 43909), (167, 44005), (177, 44029),

Gene: ShortQueendom_54 Start: 38806, Stop: 38531, Start Num: 71
Candidate Starts for ShortQueendom_54:
(Start: 69 @38809 has 27 MA's), (Start: 71 @38806 has 99 MA's), (Start: 77 @38794 has 9 MA's),
(114, 38713), (117, 38698), (131, 38677), (142, 38647), (154, 38617),

Gene: ShrimpFriedEgg_55 Start: 36172, Stop: 36420, Start Num: 76
Candidate Starts for ShrimpFriedEgg_55:
(Start: 76 @36172 has 59 MA's), (Start: 97 @36184 has 7 MA's), (154, 36334), (156, 36337), (186,
36412),

Gene: Shuman_46 Start: 34243, Stop: 33947, Start Num: 82
Candidate Starts for Shuman_46:
(Start: 82 @34243 has 47 MA's), (Start: 97 @34225 has 7 MA's), (Start: 99 @34219 has 11 MA's),
(143, 34102), (156, 34069), (159, 34063), (185, 34003), (193, 33955),

Gene: Shweta_51 Start: 35498, Stop: 35743, Start Num: 74
Candidate Starts for Shweta_51:
(Start: 74 @35498 has 5 MA's), (Start: 97 @35510 has 7 MA's), (Start: 99 @35516 has 11 MA's), (120,
35582), (143, 35627), (156, 35657),

Gene: Silvafighter_51 Start: 34898, Stop: 35146, Start Num: 76
Candidate Starts for Silvafighter_51:
(8, 34484), (18, 34691), (20, 34724), (42, 34820), (Start: 76 @34898 has 59 MA's), (Start: 97 @34910
has 7 MA's), (Start: 99 @34916 has 11 MA's), (127, 34994), (154, 35060), (156, 35063),

Gene: Silverleaf_30 Start: 27690, Stop: 27959, Start Num: 93
Candidate Starts for Silverleaf_30:
(Start: 93 @27690 has 185 MA's), (Start: 107 @27735 has 7 MA's), (154, 27843),

Gene: Simpliphy_38 Start: 32880, Stop: 33125, Start Num: 93
Candidate Starts for Simpliphy_38:
(Start: 93 @32880 has 185 MA's), (Start: 113 @32937 has 3 MA's), (127, 32970), (131, 32976), (152,
33030), (157, 33042),

Gene: Simpson_35 Start: 24755, Stop: 25021, Start Num: 76
Candidate Starts for Simpson_35:
(12, 24497), (Start: 76 @24755 has 59 MA's), (156, 24938),

Gene: SirDuracell_36 Start: 31800, Stop: 32045, Start Num: 93
Candidate Starts for SirDuracell_36:
(Start: 93 @31800 has 185 MA's), (Start: 113 @31857 has 3 MA's), (127, 31890), (131, 31896), (149,
31944), (152, 31950), (157, 31962),

Gene: SirPhilip_66 Start: 44298, Stop: 44537, Start Num: 96
Candidate Starts for SirPhilip_66:
(Start: 96 @44298 has 167 MA's), (127, 44388), (141, 44424), (149, 44442), (154, 44454),

Gene: Skinny_40 Start: 33191, Stop: 33469, Start Num: 79
Candidate Starts for Skinny_40:
(35, 33080), (Start: 79 @33191 has 11 MA's), (Start: 94 @33209 has 66 MA's), (114, 33272), (151,
33359), (154, 33368), (159, 33377),

Gene: Skog_140 Start: 57999, Stop: 58271, Start Num: 94

Candidate Starts for Skog_140:

(Start: 94 @57999 has 66 MA's), (Start: 107 @58047 has 7 MA's), (125, 58080), (157, 58167),

Gene: Slagathor_64 Start: 43192, Stop: 42926, Start Num: 71

Candidate Starts for Slagathor_64:

(Start: 69 @43195 has 27 MA's), (Start: 71 @43192 has 99 MA's), (Start: 77 @43180 has 9 MA's), (Start: 97 @43165 has 7 MA's), (Start: 99 @43159 has 11 MA's), (114, 43108), (117, 43093), (131, 43072), (142, 43042), (154, 43012),

Gene: Slarp_70 Start: 43377, Stop: 43640, Start Num: 86

Candidate Starts for Slarp_70:

(Start: 86 @43377 has 38 MA's), (Start: 97 @43392 has 7 MA's), (127, 43479), (166, 43575), (187, 43629),

Gene: SlimJimmy_38 Start: 32763, Stop: 33023, Start Num: 94

Candidate Starts for SlimJimmy_38:

(35, 32634), (Start: 79 @32745 has 11 MA's), (Start: 94 @32763 has 66 MA's), (114, 32826), (151, 32913), (154, 32922), (159, 32931),

Gene: Slimphazie_67 Start: 43920, Stop: 44162, Start Num: 96

Candidate Starts for Slimphazie_67:

(Start: 96 @43920 has 167 MA's), (127, 44010), (167, 44106), (177, 44130),

Gene: Smairt_64 Start: 43635, Stop: 43369, Start Num: 71

Candidate Starts for Smairt_64:

(Start: 69 @43638 has 27 MA's), (Start: 71 @43635 has 99 MA's), (Start: 77 @43623 has 9 MA's), (Start: 99 @43602 has 11 MA's), (114, 43551), (117, 43536), (131, 43515), (142, 43485), (154, 43455),

Gene: Smeagol_64 Start: 43015, Stop: 42749, Start Num: 71

Candidate Starts for Smeagol_64:

(Start: 71 @43015 has 99 MA's), (Start: 77 @43003 has 9 MA's), (Start: 99 @42982 has 11 MA's), (114, 42931), (117, 42916), (131, 42895), (142, 42865), (154, 42835),

Gene: Smoothie_126 Start: 71628, Stop: 71921, Start Num: 81

Candidate Starts for Smoothie_126:

(Start: 81 @71628 has 13 MA's), (Start: 105 @71676 has 2 MA's), (154, 71805),

Gene: Smurph_50 Start: 34925, Stop: 35173, Start Num: 76

Candidate Starts for Smurph_50:

(8, 34511), (18, 34718), (20, 34751), (42, 34847), (Start: 76 @34925 has 59 MA's), (Start: 97 @34937 has 7 MA's), (Start: 99 @34943 has 11 MA's), (127, 35021), (154, 35087), (156, 35090),

Gene: Snazzy_60 Start: 40262, Stop: 39987, Start Num: 71

Candidate Starts for Snazzy_60:

(Start: 69 @40265 has 27 MA's), (Start: 71 @40262 has 99 MA's), (Start: 77 @40250 has 9 MA's), (114, 40169), (117, 40154), (131, 40133), (142, 40103), (154, 40073),

Gene: Snek_33 Start: 23631, Stop: 23897, Start Num: 62

Candidate Starts for Snek_33:

(15, 23421), (16, 23430), (Start: 62 @23631 has 2 MA's), (156, 23814),

Gene: Snekmaggedon_49 Start: 34464, Stop: 34712, Start Num: 76

Candidate Starts for Snekmaggedon_49:

(Start: 76 @34464 has 59 MA's), (Start: 97 @34476 has 7 MA's), (154, 34626), (156, 34629), (186, 34704),

Gene: Snenia_31 Start: 28785, Stop: 29051, Start Num: 93

Candidate Starts for Snenia_31:

(Start: 93 @28785 has 185 MA's), (Start: 99 @28797 has 11 MA's), (Start: 107 @28830 has 7 MA's),

Gene: SoJulia_33 Start: 28728, Stop: 28949, Start Num: 107

Candidate Starts for SoJulia_33:

(Start: 93 @28683 has 185 MA's), (Start: 107 @28728 has 7 MA's), (129, 28779), (159, 28845), (186, 28917), (192, 28938),

Gene: SoSeph_61 Start: 42799, Stop: 43047, Start Num: 96

Candidate Starts for SoSeph_61:

(Start: 96 @42799 has 167 MA's), (117, 42874), (151, 42946), (162, 42970),

Gene: Soap141_32 Start: 28500, Stop: 28721, Start Num: 107

Candidate Starts for Soap141_32:

(Start: 93 @28455 has 185 MA's), (Start: 107 @28500 has 7 MA's), (129, 28551), (159, 28617), (186, 28689), (192, 28710),

Gene: Solon_61 Start: 40838, Stop: 40563, Start Num: 71

Candidate Starts for Solon_61:

(Start: 69 @40841 has 27 MA's), (Start: 71 @40838 has 99 MA's), (Start: 77 @40826 has 9 MA's), (Start: 99 @40796 has 11 MA's), (114, 40745), (117, 40730), (131, 40709), (142, 40679), (154, 40649), (186, 40574),

Gene: Sooty_31 Start: 22496, Stop: 22762, Start Num: 82

Candidate Starts for Sooty_31:

(Start: 82 @22496 has 47 MA's), (Start: 90 @22505 has 3 MA's), (Start: 95 @22511 has 1 MA's), (116, 22574),

Gene: SophKB_37 Start: 33134, Stop: 33379, Start Num: 93

Candidate Starts for SophKB_37:

(Start: 93 @33134 has 185 MA's), (Start: 113 @33191 has 3 MA's), (127, 33224), (131, 33230), (152, 33284), (157, 33296),

Gene: Sorpresa_59 Start: 40701, Stop: 40444, Start Num: 78

Candidate Starts for Sorpresa_59:

(Start: 78 @40701 has 10 MA's), (Start: 97 @40683 has 7 MA's), (Start: 99 @40677 has 11 MA's), (114, 40626), (117, 40611), (131, 40590), (142, 40560), (154, 40530), (186, 40455),

Gene: Sotrice96_37 Start: 33089, Stop: 33334, Start Num: 93

Candidate Starts for Sotrice96_37:

(Start: 93 @33089 has 185 MA's), (Start: 113 @33146 has 3 MA's), (127, 33179), (131, 33185), (152, 33239), (157, 33251),

Gene: SpecialK_31 Start: 22493, Stop: 22759, Start Num: 82

Candidate Starts for SpecialK_31:

(Start: 82 @22493 has 47 MA's), (Start: 95 @22508 has 1 MA's), (116, 22571), (169, 22691),

Gene: SpeedDemon_860 Start: 59302, Stop: 59036, Start Num: 81

Candidate Starts for SpeedDemon_860:

(Start: 81 @59302 has 13 MA's), (104, 59254),

Gene: SpikeBT_60 Start: 40904, Stop: 40638, Start Num: 71

Candidate Starts for SpikeBT_60:

(Start: 69 @40907 has 27 MA's), (Start: 71 @40904 has 99 MA's), (Start: 77 @40892 has 9 MA's),
(Start: 99 @40871 has 11 MA's), (114, 40820), (117, 40805), (131, 40784), (142, 40754), (154, 40724),
(186, 40649),

Gene: Splinter_63 Start: 40094, Stop: 40318, Start Num: 83

Candidate Starts for Splinter_63:

(Start: 83 @40094 has 15 MA's), (Start: 108 @40136 has 1 MA's), (127, 40181), (132, 40190), (152,
40241), (156, 40250),

Gene: Spock_66 Start: 43623, Stop: 43865, Start Num: 96

Candidate Starts for Spock_66:

(Start: 96 @43623 has 167 MA's), (127, 43713), (167, 43809), (177, 43833),

Gene: SpongeBob_49 Start: 34464, Stop: 34712, Start Num: 76

Candidate Starts for SpongeBob_49:

(Start: 76 @34464 has 59 MA's), (Start: 97 @34476 has 7 MA's), (154, 34626), (156, 34629), (186,
34704),

Gene: Squint_50 Start: 40769, Stop: 40981, Start Num: 106

Candidate Starts for Squint_50:

(Start: 99 @40742 has 11 MA's), (Start: 106 @40769 has 1 MA's), (127, 40823), (129, 40826), (154,
40883), (172, 40919),

Gene: StCroix_45 Start: 34311, Stop: 34015, Start Num: 82

Candidate Starts for StCroix_45:

(Start: 82 @34311 has 47 MA's), (Start: 97 @34293 has 7 MA's), (Start: 99 @34287 has 11 MA's),
(143, 34170), (156, 34137), (159, 34131), (185, 34071), (193, 34023),

Gene: Stank_40 Start: 33641, Stop: 33886, Start Num: 93

Candidate Starts for Stank_40:

(Start: 93 @33641 has 185 MA's), (Start: 113 @33698 has 3 MA's), (127, 33731), (131, 33737), (152,
33791), (157, 33803),

Gene: Stark_38 Start: 32893, Stop: 33138, Start Num: 93

Candidate Starts for Stark_38:

(Start: 93 @32893 has 185 MA's), (Start: 113 @32950 has 3 MA's), (127, 32983), (131, 32989), (152,
33043), (157, 33055),

Gene: StellaBean_37 Start: 33134, Stop: 33379, Start Num: 93

Candidate Starts for StellaBean_37:

(Start: 93 @33134 has 185 MA's), (Start: 113 @33191 has 3 MA's), (127, 33224), (131, 33230), (152,
33284), (157, 33296),

Gene: StewieG_57 Start: 37645, Stop: 37379, Start Num: 71

Candidate Starts for StewieG_57:

(Start: 69 @37648 has 27 MA's), (Start: 71 @37645 has 99 MA's), (Start: 77 @37633 has 9 MA's),
(Start: 99 @37612 has 11 MA's), (114, 37561), (117, 37546), (131, 37525), (142, 37495),

Gene: Stickynote_52 Start: 43964, Stop: 43674, Start Num: 86

Candidate Starts for Stickynote_52:

(Start: 86 @43964 has 38 MA's), (109, 43901), (149, 43787), (178, 43715),

Gene: Stinson_68 Start: 44248, Stop: 44490, Start Num: 96

Candidate Starts for Stinson_68:

(Start: 96 @44248 has 167 MA's), (127, 44338), (167, 44434), (177, 44458),

Gene: StolenFromERC_39 Start: 33125, Stop: 33370, Start Num: 93

Candidate Starts for StolenFromERC_39:

(Start: 93 @33125 has 185 MA's), (Start: 113 @33182 has 3 MA's), (127, 33215), (131, 33221), (152, 33275), (157, 33287),

Gene: StormChicken_37 Start: 33309, Stop: 33554, Start Num: 93

Candidate Starts for StormChicken_37:

(Start: 93 @33309 has 185 MA's), (Start: 113 @33366 has 3 MA's), (127, 33399), (131, 33405), (152, 33459), (157, 33471),

Gene: Strobilo_70 Start: 46068, Stop: 46313, Start Num: 96

Candidate Starts for Strobilo_70:

(47, 46005), (Start: 96 @46068 has 167 MA's), (127, 46158), (156, 46227),

Gene: Stuck_67 Start: 45156, Stop: 45389, Start Num: 97

Candidate Starts for Stuck_67:

(Start: 74 @45144 has 5 MA's), (Start: 97 @45156 has 7 MA's), (Start: 99 @45162 has 11 MA's), (120, 45228), (143, 45273), (156, 45303),

Gene: Stuu_32 Start: 22587, Stop: 22853, Start Num: 82

Candidate Starts for Stuu_32:

(Start: 82 @22587 has 47 MA's), (Start: 95 @22602 has 1 MA's), (116, 22665), (169, 22785),

Gene: SuMoo_44 Start: 27844, Stop: 28113, Start Num: 88

Candidate Starts for SuMoo_44:

(23, 27691), (30, 27730), (31, 27733), (Start: 88 @27844 has 11 MA's), (Start: 108 @27898 has 1 MA's), (121, 27931), (148, 28012), (171, 28057),

Gene: Subaru_35 Start: 26623, Stop: 26880, Start Num: 91

Candidate Starts for Subaru_35:

(12, 26386), (13, 26395), (Start: 91 @26623 has 18 MA's), (Start: 108 @26671 has 1 MA's), (159, 26788),

Gene: Sue2_34 Start: 25374, Stop: 25640, Start Num: 76

Candidate Starts for Sue2_34:

(15, 25137), (16, 25146), (24, 25221), (Start: 76 @25374 has 59 MA's), (156, 25557), (181, 25614),

Gene: Sulley_66 Start: 43683, Stop: 43925, Start Num: 96

Candidate Starts for Sulley_66:

(Start: 96 @43683 has 167 MA's), (127, 43773), (167, 43869), (177, 43893),

Gene: Sumter_58 Start: 41278, Stop: 41012, Start Num: 71

Candidate Starts for Sumter_58:

(Start: 69 @41281 has 27 MA's), (Start: 71 @41278 has 99 MA's), (Start: 77 @41266 has 9 MA's), (Start: 97 @41251 has 7 MA's), (Start: 99 @41245 has 11 MA's), (114, 41194), (117, 41179), (131, 41158), (142, 41128), (154, 41098), (186, 41023),

Gene: Sunflower1121_72 Start: 44050, Stop: 44289, Start Num: 96
Candidate Starts for Sunflower1121_72:
(Start: 49 @43966 has 1 MA's), (Start: 96 @44050 has 167 MA's), (Start: 99 @44059 has 11 MA's),
(127, 44140), (149, 44194), (156, 44209),

Gene: Sunshine924_67 Start: 41911, Stop: 41645, Start Num: 71
Candidate Starts for Sunshine924_67:
(Start: 69 @41914 has 27 MA's), (Start: 71 @41911 has 99 MA's), (Start: 77 @41899 has 9 MA's),
(Start: 99 @41878 has 11 MA's), (117, 41812), (131, 41791), (142, 41761), (154, 41731), (186, 41656),

Gene: Superphikiman_51 Start: 40814, Stop: 41053, Start Num: 99
Candidate Starts for Superphikiman_51:
(Start: 99 @40814 has 11 MA's), (Start: 106 @40841 has 1 MA's), (127, 40895), (129, 40898), (154,
40955), (172, 40991),

Gene: Swann_46 Start: 34296, Stop: 34000, Start Num: 82
Candidate Starts for Swann_46:
(Start: 82 @34296 has 47 MA's), (Start: 97 @34278 has 7 MA's), (Start: 99 @34272 has 11 MA's),
(143, 34155), (156, 34122), (159, 34116), (185, 34056), (193, 34008),

Gene: Sweetclover_49 Start: 33033, Stop: 33266, Start Num: 91
Candidate Starts for Sweetclover_49:
(41, 32928), (Start: 91 @33033 has 18 MA's), (114, 33096), (142, 33168),

Gene: Swole_63 Start: 41087, Stop: 40812, Start Num: 71
Candidate Starts for Swole_63:
(Start: 69 @41090 has 27 MA's), (Start: 71 @41087 has 99 MA's), (Start: 77 @41075 has 9 MA's),
(Start: 99 @41045 has 11 MA's), (114, 40994), (117, 40979), (131, 40958), (142, 40928), (154, 40898),

Gene: Syra333_70 Start: 43764, Stop: 44003, Start Num: 96
Candidate Starts for Syra333_70:
(Start: 49 @43680 has 1 MA's), (Start: 96 @43764 has 167 MA's), (Start: 99 @43773 has 11 MA's),
(127, 43854), (149, 43908), (156, 43923),

Gene: TBond007_64 Start: 43622, Stop: 43864, Start Num: 92
Candidate Starts for TBond007_64:
(Start: 92 @43622 has 7 MA's), (Start: 105 @43655 has 2 MA's), (127, 43712), (138, 43739), (151,
43772), (156, 43784),

Gene: TBrady12_39 Start: 33125, Stop: 33370, Start Num: 93
Candidate Starts for TBrady12_39:
(Start: 93 @33125 has 185 MA's), (Start: 113 @33182 has 3 MA's), (127, 33215), (131, 33221), (152,
33275), (157, 33287),

Gene: TClif_68 Start: 43725, Stop: 43964, Start Num: 96
Candidate Starts for TClif_68:
(Start: 96 @43725 has 167 MA's), (Start: 99 @43734 has 11 MA's), (127, 43815), (156, 43884), (177,
43932),

Gene: TM4_67 Start: 40730, Stop: 40975, Start Num: 96
Candidate Starts for TM4_67:

(4, 39989), (Start: 49 @40673 has 1 MA's), (51, 40679), (Start: 96 @40730 has 167 MA's), (127, 40820), (156, 40889), (167, 40913), (189, 40967),

Gene: TMaxx_3 Start: 937, Stop: 1194, Start Num: 94

Candidate Starts for TMaxx_3:

(45, 838), (Start: 49 @850 has 1 MA's), (Start: 94 @937 has 66 MA's),

Gene: TWAMP_46 Start: 34298, Stop: 34002, Start Num: 82

Candidate Starts for TWAMP_46:

(Start: 82 @34298 has 47 MA's), (Start: 97 @34280 has 7 MA's), (Start: 99 @34274 has 11 MA's), (143, 34157), (156, 34124), (159, 34118), (185, 34058), (193, 34010),

Gene: TZGordon_64 Start: 38982, Stop: 39206, Start Num: 83

Candidate Starts for TZGordon_64:

(Start: 83 @38982 has 15 MA's), (Start: 108 @39024 has 1 MA's), (127, 39069), (132, 39078), (152, 39129), (156, 39138),

Gene: Tachez_66 Start: 43467, Stop: 43709, Start Num: 96

Candidate Starts for Tachez_66:

(Start: 96 @43467 has 167 MA's), (127, 43557), (167, 43653), (177, 43677),

Gene: TaiwanKao_69 Start: 44172, Stop: 44417, Start Num: 96

Candidate Starts for TaiwanKao_69:

(Start: 96 @44172 has 167 MA's), (127, 44262), (167, 44358), (188, 44409),

Gene: Takoda_46 Start: 34472, Stop: 34176, Start Num: 82

Candidate Starts for Takoda_46:

(Start: 82 @34472 has 47 MA's), (Start: 97 @34454 has 7 MA's), (Start: 99 @34448 has 11 MA's), (143, 34331), (156, 34298), (159, 34292), (185, 34232), (193, 34184),

Gene: Talia1610_108 Start: 86506, Stop: 86754, Start Num: 94

Candidate Starts for Talia1610_108:

(Start: 94 @86506 has 66 MA's), (Start: 97 @86512 has 7 MA's), (Start: 99 @86518 has 11 MA's),

Gene: Tallboi_33 Start: 25971, Stop: 26237, Start Num: 74

Candidate Starts for Tallboi_33:

(12, 25716), (17, 25752), (Start: 74 @25971 has 5 MA's), (156, 26154),

Gene: Tapioca_52 Start: 34891, Stop: 35139, Start Num: 76

Candidate Starts for Tapioca_52:

(Start: 76 @34891 has 59 MA's), (Start: 97 @34903 has 7 MA's), (154, 35053), (156, 35056), (186, 35131),

Gene: Taquito_69 Start: 43582, Stop: 43845, Start Num: 86

Candidate Starts for Taquito_69:

(Start: 86 @43582 has 38 MA's), (Start: 97 @43597 has 7 MA's), (127, 43684), (166, 43780), (187, 43834),

Gene: Target_64 Start: 41123, Stop: 40848, Start Num: 71

Candidate Starts for Target_64:

(Start: 69 @41126 has 27 MA's), (Start: 71 @41123 has 99 MA's), (Start: 77 @41111 has 9 MA's), (Start: 99 @41081 has 11 MA's), (114, 41030), (117, 41015), (131, 40994), (142, 40964), (154, 40934), (186, 40859),

Gene: Tarkin_39 Start: 34124, Stop: 34369, Start Num: 93

Candidate Starts for Tarkin_39:

(Start: 93 @34124 has 185 MA's), (Start: 113 @34181 has 3 MA's), (127, 34214), (131, 34220), (152, 34274), (157, 34286),

Gene: Tbone_32 Start: 24550, Stop: 24816, Start Num: 76

Candidate Starts for Tbone_32:

(12, 24292), (17, 24328), (Start: 76 @24550 has 59 MA's), (156, 24733),

Gene: TeardropMSU_36 Start: 33035, Stop: 33280, Start Num: 93

Candidate Starts for TeardropMSU_36:

(Start: 93 @33035 has 185 MA's), (Start: 113 @33092 has 3 MA's), (127, 33125), (131, 33131), (152, 33185), (157, 33197),

Gene: Teaspoon_38 Start: 33088, Stop: 33333, Start Num: 93

Candidate Starts for Teaspoon_38:

(Start: 93 @33088 has 185 MA's), (Start: 113 @33145 has 3 MA's), (127, 33178), (131, 33184), (152, 33238), (157, 33250),

Gene: Teejan_57 Start: 43554, Stop: 43799, Start Num: 96

Candidate Starts for Teejan_57:

(47, 43482), (Start: 96 @43554 has 167 MA's), (134, 43659), (151, 43701), (167, 43737),

Gene: Teodoridan_60 Start: 40295, Stop: 40029, Start Num: 71

Candidate Starts for Teodoridan_60:

(Start: 71 @40295 has 99 MA's), (Start: 77 @40283 has 9 MA's), (Start: 99 @40262 has 11 MA's), (114, 40211), (117, 40196), (131, 40175), (142, 40145), (154, 40115),

Gene: Terminus_37 Start: 33222, Stop: 33467, Start Num: 93

Candidate Starts for Terminus_37:

(Start: 93 @33222 has 185 MA's), (Start: 113 @33279 has 3 MA's), (127, 33312), (131, 33318), (152, 33372), (157, 33384),

Gene: TforTroy_34 Start: 25368, Stop: 25634, Start Num: 76

Candidate Starts for TforTroy_34:

(Start: 76 @25368 has 59 MA's), (156, 25551),

Gene: TheloniousMonk_65 Start: 43428, Stop: 43162, Start Num: 71

Candidate Starts for TheloniousMonk_65:

(Start: 69 @43431 has 27 MA's), (Start: 71 @43428 has 99 MA's), (Start: 77 @43416 has 9 MA's), (Start: 99 @43392 has 11 MA's), (Start: 113 @43347 has 3 MA's), (117, 43329), (142, 43278), (176, 43203), (186, 43173),

Gene: Thibault_45 Start: 41387, Stop: 41626, Start Num: 99

Candidate Starts for Thibault_45:

(Start: 99 @41387 has 11 MA's), (Start: 106 @41414 has 1 MA's), (127, 41468), (129, 41471), (154, 41528), (172, 41564),

Gene: Thimble_37 Start: 32085, Stop: 32330, Start Num: 93

Candidate Starts for Thimble_37:

(Start: 93 @32085 has 185 MA's), (Start: 113 @32142 has 3 MA's), (127, 32175), (131, 32181), (152, 32235), (157, 32247),

Gene: Thonko_81 Start: 61339, Stop: 61569, Start Num: 99

Candidate Starts for Thonko_81:

(44, 61228), (Start: 76 @61303 has 59 MA's), (Start: 99 @61339 has 11 MA's), (159, 61489),

Gene: Thor_61 Start: 40522, Stop: 40256, Start Num: 71

Candidate Starts for Thor_61:

(Start: 69 @40525 has 27 MA's), (Start: 71 @40522 has 99 MA's), (Start: 77 @40510 has 9 MA's), (Start: 97 @40495 has 7 MA's), (Start: 99 @40489 has 11 MA's), (114, 40438), (117, 40423), (131, 40402), (142, 40372), (154, 40342), (186, 40267),

Gene: ThreeRngTarjay_50 Start: 44296, Stop: 44541, Start Num: 94

Candidate Starts for ThreeRngTarjay_50:

(Start: 94 @44296 has 66 MA's), (114, 44359), (127, 44389), (129, 44392), (156, 44452), (157, 44455), (159, 44458),

Gene: Thresher_38 Start: 33889, Stop: 34134, Start Num: 93

Candidate Starts for Thresher_38:

(Start: 93 @33889 has 185 MA's), (Start: 113 @33946 has 3 MA's), (127, 33979), (131, 33985), (152, 34039), (157, 34051),

Gene: Thyatira_63 Start: 44764, Stop: 45012, Start Num: 96

Candidate Starts for Thyatira_63:

(Start: 96 @44764 has 167 MA's), (117, 44839), (151, 44911), (162, 44935),

Gene: Tian_33 Start: 26378, Stop: 26620, Start Num: 77

Candidate Starts for Tian_33:

(Start: 77 @26378 has 9 MA's),

Gene: Tierra_70 Start: 44265, Stop: 44504, Start Num: 96

Candidate Starts for Tierra_70:

(Start: 49 @44181 has 1 MA's), (Start: 96 @44265 has 167 MA's), (Start: 99 @44274 has 11 MA's), (127, 44355), (149, 44409),

Gene: TinaLin_62 Start: 38825, Stop: 39049, Start Num: 83

Candidate Starts for TinaLin_62:

(Start: 83 @38825 has 15 MA's), (Start: 108 @38867 has 1 MA's), (127, 38912), (132, 38921), (152, 38972), (156, 38981), (167, 39002),

Gene: TingHuaYa_70 Start: 43428, Stop: 43676, Start Num: 96

Candidate Starts for TingHuaYa_70:

(Start: 96 @43428 has 167 MA's), (127, 43518), (167, 43614), (177, 43638),

Gene: TiniBug_67 Start: 44358, Stop: 44600, Start Num: 96

Candidate Starts for TiniBug_67:

(Start: 96 @44358 has 167 MA's), (127, 44448), (167, 44544), (177, 44568),

Gene: Tiri_67 Start: 43756, Stop: 43998, Start Num: 96

Candidate Starts for Tiri_67:

(Start: 96 @43756 has 167 MA's), (Start: 108 @43801 has 1 MA's), (127, 43846), (167, 43942),

Gene: Tomaszewski_36 Start: 32732, Stop: 32977, Start Num: 93

Candidate Starts for Tomaszewski_36:

(Start: 93 @32732 has 185 MA's), (Start: 113 @32789 has 3 MA's), (127, 32822), (131, 32828), (149, 32876), (152, 32882), (157, 32894),

Gene: Toniann_125 Start: 71160, Stop: 71450, Start Num: 83

Candidate Starts for Toniann_125:

(37, 71052), (43, 71067), (59, 71112), (Start: 83 @71160 has 15 MA's), (Start: 105 @71205 has 2 MA's), (154, 71334),

Gene: Topper_66 Start: 43622, Stop: 43864, Start Num: 96

Candidate Starts for Topper_66:

(Start: 96 @43622 has 167 MA's), (127, 43712), (167, 43808), (177, 43832),

Gene: Torres_57 Start: 43555, Stop: 43800, Start Num: 96

Candidate Starts for Torres_57:

(47, 43483), (Start: 96 @43555 has 167 MA's), (134, 43660), (151, 43702), (167, 43738),

Gene: Tortoise12_50 Start: 33608, Stop: 33856, Start Num: 76

Candidate Starts for Tortoise12_50:

(8, 33194), (18, 33401), (20, 33434), (42, 33530), (Start: 76 @33608 has 59 MA's), (Start: 97 @33620 has 7 MA's), (Start: 99 @33626 has 11 MA's), (127, 33704), (154, 33770), (156, 33773),

Gene: Tote_58 Start: 38354, Stop: 38079, Start Num: 71

Candidate Starts for Tote_58:

(Start: 69 @38357 has 27 MA's), (Start: 71 @38354 has 99 MA's), (Start: 77 @38342 has 9 MA's), (Start: 99 @38312 has 11 MA's), (114, 38261), (117, 38246), (131, 38225), (142, 38195), (154, 38165),

Gene: Toto_37 Start: 33135, Stop: 33380, Start Num: 93

Candidate Starts for Toto_37:

(Start: 93 @33135 has 185 MA's), (Start: 113 @33192 has 3 MA's), (127, 33225), (131, 33231), (152, 33285), (157, 33297),

Gene: Tourach_32 Start: 28413, Stop: 28679, Start Num: 93

Candidate Starts for Tourach_32:

(Start: 93 @28413 has 185 MA's), (Start: 107 @28458 has 7 MA's), (129, 28509), (186, 28647), (192, 28668),

Gene: Towmatter_78 Start: 53043, Stop: 52786, Start Num: 81

Candidate Starts for Towmatter_78:

(57, 53094), (61, 53079), (66, 53070), (Start: 69 @53067 has 27 MA's), (Start: 81 @53043 has 13 MA's), (156, 52872),

Gene: Traaww1_35 Start: 32773, Stop: 33018, Start Num: 93

Candidate Starts for Traaww1_35:

(Start: 93 @32773 has 185 MA's), (Start: 113 @32830 has 3 MA's), (127, 32863), (131, 32869), (152, 32923), (157, 32935),

Gene: Traft412_64 Start: 41743, Stop: 41486, Start Num: 78

Candidate Starts for Traft412_64:

(Start: 78 @41743 has 10 MA's), (Start: 97 @41725 has 7 MA's), (Start: 99 @41719 has 11 MA's), (114, 41668), (117, 41653), (131, 41632), (142, 41602), (154, 41572),

Gene: TreyKay_68 Start: 44110, Stop: 44352, Start Num: 96

Candidate Starts for TreyKay_68:

(Start: 96 @44110 has 167 MA's), (127, 44200), (167, 44296),

Gene: TriFive_31 Start: 28796, Stop: 29050, Start Num: 99

Candidate Starts for TriFive_31:

(Start: 93 @28784 has 185 MA's), (Start: 99 @28796 has 11 MA's), (Start: 107 @28829 has 7 MA's),

Gene: TribelTrouble_68 Start: 44625, Stop: 44867, Start Num: 92

Candidate Starts for TribelTrouble_68:

(Start: 92 @44625 has 7 MA's), (Start: 105 @44658 has 2 MA's), (127, 44715), (156, 44787),

Gene: Tripl3t_65 Start: 43651, Stop: 43394, Start Num: 78

Candidate Starts for Tripl3t_65:

(Start: 78 @43651 has 10 MA's), (Start: 97 @43633 has 7 MA's), (Start: 99 @43627 has 11 MA's), (114, 43576), (117, 43561), (131, 43540), (142, 43510), (154, 43480), (186, 43405),

Gene: TruffulaTree_67 Start: 43916, Stop: 44158, Start Num: 96

Candidate Starts for TruffulaTree_67:

(Start: 96 @43916 has 167 MA's), (127, 44006), (167, 44102), (177, 44126),

Gene: Tuck_36 Start: 27187, Stop: 27453, Start Num: 76

Candidate Starts for Tuck_36:

(12, 26950), (14, 26959), (Start: 76 @27187 has 59 MA's),

Gene: Tuco_38 Start: 33643, Stop: 33888, Start Num: 93

Candidate Starts for Tuco_38:

(Start: 93 @33643 has 185 MA's), (Start: 113 @33700 has 3 MA's), (127, 33733), (131, 33739), (152, 33793), (157, 33805),

Gene: Turab_32 Start: 24438, Stop: 24704, Start Num: 74

Candidate Starts for Turab_32:

(7, 23982), (12, 24183), (17, 24219), (Start: 74 @24438 has 5 MA's), (156, 24621),

Gene: Turj99_60 Start: 42063, Stop: 41797, Start Num: 71

Candidate Starts for Turj99_60:

(Start: 69 @42066 has 27 MA's), (Start: 71 @42063 has 99 MA's), (Start: 77 @42051 has 9 MA's), (Start: 97 @42036 has 7 MA's), (Start: 99 @42030 has 11 MA's), (114, 41979), (117, 41964), (131, 41943), (142, 41913), (154, 41883), (186, 41808),

Gene: Tutumahutu_33 Start: 24722, Stop: 24988, Start Num: 76

Candidate Starts for Tutumahutu_33:

(12, 24464), (17, 24500), (Start: 76 @24722 has 59 MA's), (156, 24905),

Gene: Tweety19_33 Start: 23630, Stop: 23896, Start Num: 62

Candidate Starts for Tweety19_33:

(15, 23420), (16, 23429), (Start: 62 @23630 has 2 MA's), (156, 23813),

Gene: Twitch_66 Start: 43624, Stop: 43866, Start Num: 96

Candidate Starts for Twitch_66:

(Start: 96 @43624 has 167 MA's), (127, 43714), (167, 43810), (177, 43834),

Gene: TwoPeat_63 Start: 41915, Stop: 41649, Start Num: 71

Candidate Starts for TwoPeat_63:

(Start: 69 @41918 has 27 MA's), (Start: 71 @41915 has 99 MA's), (Start: 77 @41903 has 9 MA's), (Start: 97 @41888 has 7 MA's), (Start: 99 @41882 has 11 MA's), (114, 41831), (117, 41816), (131, 41795), (142, 41765), (154, 41735),

Gene: TyDawg_39 Start: 32762, Stop: 33040, Start Num: 79

Candidate Starts for TyDawg_39:

(35, 32651), (Start: 79 @32762 has 11 MA's), (Start: 94 @32780 has 66 MA's), (114, 32843), (151, 32930), (154, 32939), (159, 32948),

Gene: Tyson_30 Start: 27735, Stop: 27959, Start Num: 107

Candidate Starts for Tyson_30:

(Start: 93 @27690 has 185 MA's), (Start: 107 @27735 has 7 MA's), (154, 27843),

Gene: UPIE_30 Start: 27688, Stop: 27957, Start Num: 93

Candidate Starts for UPIE_30:

(Start: 93 @27688 has 185 MA's), (Start: 107 @27733 has 7 MA's), (154, 27841),

Gene: UhSalsa_46 Start: 34231, Stop: 33935, Start Num: 82

Candidate Starts for UhSalsa_46:

(Start: 82 @34231 has 47 MA's), (Start: 97 @34213 has 7 MA's), (Start: 99 @34207 has 11 MA's), (143, 34090), (156, 34057), (159, 34051), (185, 33991), (193, 33943),

Gene: Ukulele_37 Start: 32893, Stop: 33138, Start Num: 93

Candidate Starts for Ukulele_37:

(Start: 93 @32893 has 185 MA's), (Start: 113 @32950 has 3 MA's), (127, 32983), (131, 32989), (152, 33043), (157, 33055),

Gene: Underpass_32 Start: 28469, Stop: 28690, Start Num: 107

Candidate Starts for Underpass_32:

(Start: 93 @28424 has 185 MA's), (Start: 107 @28469 has 7 MA's), (129, 28520), (159, 28586), (186, 28658), (192, 28679),

Gene: Unicorn_68 Start: 43391, Stop: 43630, Start Num: 96

Candidate Starts for Unicorn_68:

(Start: 96 @43391 has 167 MA's), (Start: 99 @43400 has 11 MA's), (127, 43481), (156, 43550),

Gene: Urkel_67 Start: 44362, Stop: 44604, Start Num: 96

Candidate Starts for Urkel_67:

(Start: 96 @44362 has 167 MA's), (127, 44452), (167, 44548), (177, 44572),

Gene: UtzChips_41 Start: 26893, Stop: 27153, Start Num: 88

Candidate Starts for UtzChips_41:

(27, 26767), (Start: 88 @26893 has 11 MA's),

Gene: VResidence_33 Start: 24693, Stop: 24935, Start Num: 94

Candidate Starts for VResidence_33:

(Start: 94 @24693 has 66 MA's), (112, 24747), (159, 24855),

Gene: Validus_71 Start: 44494, Stop: 44733, Start Num: 93

Candidate Starts for Validus_71:

(Start: 93 @44494 has 185 MA's), (127, 44584), (149, 44638),

Gene: Veliki_68 Start: 43889, Stop: 44131, Start Num: 96

Candidate Starts for Veliki_68:

(Start: 96 @43889 has 167 MA's), (127, 43979), (167, 44075), (177, 44099),

Gene: Vendetta_63 Start: 40094, Stop: 40318, Start Num: 83

Candidate Starts for Vendetta_63:

(Start: 83 @40094 has 15 MA's), (Start: 108 @40136 has 1 MA's), (127, 40181), (132, 40190), (152, 40241), (156, 40250),

Gene: Vetric_32 Start: 28428, Stop: 28694, Start Num: 93

Candidate Starts for Vetric_32:

(Start: 93 @28428 has 185 MA's), (Start: 107 @28473 has 7 MA's), (129, 28524), (159, 28590), (186, 28662), (192, 28683),

Gene: Violet_60 Start: 42922, Stop: 42656, Start Num: 71

Candidate Starts for Violet_60:

(Start: 69 @42925 has 27 MA's), (Start: 71 @42922 has 99 MA's), (Start: 77 @42910 has 9 MA's), (Start: 99 @42889 has 11 MA's), (114, 42838), (117, 42823), (131, 42802), (142, 42772), (154, 42742),

Gene: ViviJ_58 Start: 40530, Stop: 40778, Start Num: 96

Candidate Starts for ViviJ_58:

(Start: 96 @40530 has 167 MA's), (143, 40662), (156, 40692), (174, 40725),

Gene: Volt_121 Start: 57210, Stop: 57449, Start Num: 97

Candidate Starts for Volt_121:

(Start: 97 @57210 has 7 MA's), (143, 57333), (177, 57405), (178, 57408),

Gene: WaddleDee_101 Start: 82115, Stop: 82375, Start Num: 94

Candidate Starts for WaddleDee_101:

(Start: 94 @82115 has 66 MA's), (171, 82304), (177, 82334), (178, 82337),

Gene: Wamburgxpress_30 Start: 27703, Stop: 27972, Start Num: 93

Candidate Starts for Wamburgxpress_30:

(Start: 93 @27703 has 185 MA's), (Start: 107 @27748 has 7 MA's), (154, 27856),

Gene: Wanda_58 Start: 44007, Stop: 44255, Start Num: 94

Candidate Starts for Wanda_58:

(Start: 94 @44007 has 66 MA's), (145, 44139),

Gene: Warda_33 Start: 24726, Stop: 24992, Start Num: 76

Candidate Starts for Warda_33:

(12, 24468), (17, 24504), (Start: 76 @24726 has 59 MA's), (156, 24909),

Gene: WaterT_52 Start: 33281, Stop: 33520, Start Num: 96

Candidate Starts for WaterT_52:

(Start: 96 @33281 has 167 MA's), (114, 33338), (126, 33365), (131, 33374),

Gene: Waterfoul_62 Start: 42861, Stop: 43109, Start Num: 96

Candidate Starts for Waterfoul_62:

(Start: 96 @42861 has 167 MA's), (117, 42936), (151, 43008), (162, 43032),

Gene: Weiss13_40 Start: 36088, Stop: 36333, Start Num: 86

Candidate Starts for Weiss13_40:

(Start: 62 @36046 has 2 MA's), (Start: 86 @36088 has 38 MA's), (Start: 99 @36109 has 11 MA's), (Start: 105 @36130 has 2 MA's), (Start: 113 @36154 has 3 MA's), (114, 36157), (154, 36256), (156, 36259), (157, 36262),

Gene: Wheeler_64 Start: 41819, Stop: 41544, Start Num: 71

Candidate Starts for Wheeler_64:

(Start: 71 @41819 has 99 MA's), (Start: 77 @41807 has 9 MA's), (114, 41726), (117, 41711), (131, 41690), (142, 41660), (154, 41630), (186, 41555),

Gene: Whirlwind_32 Start: 28525, Stop: 28791, Start Num: 93

Candidate Starts for Whirlwind_32:

(70, 28486), (Start: 93 @28525 has 185 MA's), (Start: 99 @28537 has 11 MA's), (Start: 107 @28570 has 7 MA's), (127, 28618),

Gene: Wiggin_40 Start: 33639, Stop: 33884, Start Num: 93

Candidate Starts for Wiggin_40:

(Start: 93 @33639 has 185 MA's), (Start: 113 @33696 has 3 MA's), (127, 33729), (131, 33735), (152, 33789), (157, 33801),

Gene: Wigglewigggle_32 Start: 28454, Stop: 28720, Start Num: 93

Candidate Starts for Wigglewigggle_32:

(Start: 93 @28454 has 185 MA's), (Start: 107 @28499 has 7 MA's), (129, 28550), (159, 28616), (186, 28688), (192, 28709),

Gene: Wildcat_53 Start: 39356, Stop: 39604, Start Num: 94

Candidate Starts for Wildcat_53:

(Start: 94 @39356 has 66 MA's), (122, 39437), (142, 39485), (156, 39518), (157, 39521), (159, 39524), (172, 39557), (180, 39593),

Gene: Wilder_32 Start: 28427, Stop: 28693, Start Num: 93

Candidate Starts for Wilder_32:

(Start: 93 @28427 has 185 MA's), (Start: 107 @28472 has 7 MA's), (129, 28523), (159, 28589), (186, 28661), (192, 28682),

Gene: Wildwest_33 Start: 24524, Stop: 24790, Start Num: 76

Candidate Starts for Wildwest_33:

(12, 24266), (17, 24302), (Start: 76 @24524 has 59 MA's), (156, 24707),

Gene: Willez_36 Start: 32639, Stop: 32884, Start Num: 93

Candidate Starts for Willez_36:

(Start: 93 @32639 has 185 MA's), (Start: 113 @32696 has 3 MA's), (127, 32729), (131, 32735), (152, 32789), (157, 32801),

Gene: WilliamBoone_123 Start: 68402, Stop: 68692, Start Num: 83

Candidate Starts for WilliamBoone_123:

(50, 68330), (Start: 83 @68402 has 15 MA's), (154, 68576), (157, 68582),

Gene: Winky_32 Start: 28422, Stop: 28688, Start Num: 93

Candidate Starts for Winky_32:

(Start: 93 @28422 has 185 MA's), (Start: 107 @28467 has 7 MA's), (129, 28518), (159, 28584), (186, 28656), (192, 28677),

Gene: Wintermute_70 Start: 43607, Stop: 43870, Start Num: 86

Candidate Starts for Wintermute_70:

(Start: 86 @43607 has 38 MA's), (Start: 97 @43622 has 7 MA's), (127, 43709), (166, 43805), (187, 43859),

Gene: Wyatt2_30 Start: 27690, Stop: 27959, Start Num: 93

Candidate Starts for Wyatt2_30:

(Start: 93 @27690 has 185 MA's), (Start: 107 @27735 has 7 MA's), (154, 27843),

Gene: Xandras_39 Start: 33125, Stop: 33370, Start Num: 93

Candidate Starts for Xandras_39:

(Start: 93 @33125 has 185 MA's), (Start: 113 @33182 has 3 MA's), (127, 33215), (131, 33221), (152, 33275), (157, 33287),

Gene: Xerxes_50 Start: 34922, Stop: 35170, Start Num: 76

Candidate Starts for Xerxes_50:

(8, 34508), (18, 34715), (20, 34748), (42, 34844), (Start: 76 @34922 has 59 MA's), (Start: 97 @34934 has 7 MA's), (Start: 99 @34940 has 11 MA's), (127, 35018), (154, 35084), (156, 35087),

Gene: Ximenita_72 Start: 44093, Stop: 44332, Start Num: 96

Candidate Starts for Ximenita_72:

(Start: 49 @44009 has 1 MA's), (Start: 96 @44093 has 167 MA's), (Start: 99 @44102 has 11 MA's), (127, 44183), (156, 44252),

Gene: Y10_67 Start: 43533, Stop: 43847, Start Num: 86

Candidate Starts for Y10_67:

(Start: 86 @43533 has 38 MA's), (Start: 97 @43548 has 7 MA's), (Start: 105 @43578 has 2 MA's), (127, 43635),

Gene: Y2_67 Start: 43533, Stop: 43847, Start Num: 86

Candidate Starts for Y2_67:

(Start: 86 @43533 has 38 MA's), (Start: 97 @43548 has 7 MA's), (Start: 105 @43578 has 2 MA's), (127, 43635),

Gene: Yang_33 Start: 24867, Stop: 25133, Start Num: 76

Candidate Starts for Yang_33:

(12, 24609), (17, 24645), (Start: 76 @24867 has 59 MA's), (156, 25050),

Gene: Yappy_50 Start: 13369, Stop: 13620, Start Num: 73

Candidate Starts for Yappy_50:

(Start: 73 @13369 has 1 MA's), (Start: 94 @13402 has 66 MA's), (Start: 99 @13414 has 11 MA's), (Start: 108 @13447 has 1 MA's), (119, 13480),

Gene: YassJohnny_38 Start: 33650, Stop: 33895, Start Num: 93

Candidate Starts for YassJohnny_38:

(Start: 93 @33650 has 185 MA's), (Start: 113 @33707 has 3 MA's), (127, 33740), (131, 33746), (152, 33800), (157, 33812),

Gene: Yeet_50 Start: 43428, Stop: 43673, Start Num: 94

Candidate Starts for Yeet_50:

(Start: 94 @43428 has 66 MA's), (114, 43491), (127, 43521), (129, 43524), (156, 43584), (157, 43587), (159, 43590),

Gene: Yelo_40 Start: 36381, Stop: 36626, Start Num: 86

Candidate Starts for Yelo_40:

(Start: 62 @36339 has 2 MA's), (Start: 86 @36381 has 38 MA's), (Start: 99 @36402 has 11 MA's),
(Start: 105 @36423 has 2 MA's), (114, 36450), (154, 36549), (156, 36552), (157, 36555), (182, 36606),

Gene: YesChef_33 Start: 24727, Stop: 24969, Start Num: 76

Candidate Starts for YesChef_33:

(Start: 76 @24727 has 59 MA's), (156, 24886),

Gene: Yogi_45 Start: 34272, Stop: 33976, Start Num: 82

Candidate Starts for Yogi_45:

(Start: 82 @34272 has 47 MA's), (Start: 97 @34254 has 7 MA's), (Start: 99 @34248 has 11 MA's),
(143, 34131), (156, 34098), (159, 34092), (185, 34032), (193, 33984),

Gene: Yoncess_45 Start: 34052, Stop: 33756, Start Num: 82

Candidate Starts for Yoncess_45:

(Start: 82 @34052 has 47 MA's), (Start: 97 @34034 has 7 MA's), (Start: 99 @34028 has 11 MA's),
(143, 33911), (156, 33878), (159, 33872), (185, 33812), (193, 33764),

Gene: Yotsuba_51 Start: 37228, Stop: 37476, Start Num: 91

Candidate Starts for Yotsuba_51:

(Start: 91 @37228 has 18 MA's), (131, 37327), (133, 37333), (154, 37387), (156, 37390), (159, 37396),
(183, 37465),

Gene: Youngblood_37 Start: 33295, Stop: 33540, Start Num: 93

Candidate Starts for Youngblood_37:

(Start: 93 @33295 has 185 MA's), (Start: 113 @33352 has 3 MA's), (127, 33385), (131, 33391), (149,
33439), (152, 33445), (157, 33457),

Gene: YoureAdopted_66 Start: 44035, Stop: 44277, Start Num: 96

Candidate Starts for YoureAdopted_66:

(Start: 96 @44035 has 167 MA's), (127, 44125), (167, 44221), (177, 44245),

Gene: Yuna_71 Start: 45201, Stop: 45449, Start Num: 94

Candidate Starts for Yuna_71:

(50, 45129), (Start: 94 @45201 has 66 MA's), (127, 45291), (151, 45351), (177, 45411),

Gene: Yunkel11_71 Start: 43949, Stop: 44191, Start Num: 96

Candidate Starts for Yunkel11_71:

(47, 43871), (Start: 96 @43949 has 167 MA's), (167, 44135),

Gene: Yvonnetastic_129 Start: 73454, Stop: 73753, Start Num: 81

Candidate Starts for Yvonnetastic_129:

(Start: 81 @73454 has 13 MA's), (Start: 108 @73514 has 1 MA's), (128, 73556), (132, 73565), (142,
73601), (154, 73631),

Gene: Zabiza_61 Start: 39772, Stop: 40014, Start Num: 96

Candidate Starts for Zabiza_61:

(Start: 96 @39772 has 167 MA's), (127, 39862), (167, 39958), (177, 39982),

Gene: Zakai_32 Start: 28678, Stop: 28944, Start Num: 93

Candidate Starts for Zakai_32:

(Start: 93 @28678 has 185 MA's), (Start: 107 @28723 has 7 MA's), (159, 28840), (192, 28933),

Gene: Zaria_30 Start: 27704, Stop: 27973, Start Num: 93
Candidate Starts for Zaria_30:
(Start: 93 @27704 has 185 MA's), (Start: 107 @27749 has 7 MA's), (154, 27857),

Gene: Zavala_69 Start: 44194, Stop: 44436, Start Num: 96
Candidate Starts for Zavala_69:
(Start: 96 @44194 has 167 MA's), (127, 44284), (167, 44380), (177, 44404),

Gene: Zelink_53 Start: 45222, Stop: 45467, Start Num: 94
Candidate Starts for Zelink_53:
(Start: 94 @45222 has 66 MA's), (114, 45285), (127, 45315), (129, 45318), (156, 45378), (157, 45381),
(159, 45384),

Gene: Zenon_41 Start: 36400, Stop: 36645, Start Num: 86
Candidate Starts for Zenon_41:
(Start: 62 @36358 has 2 MA's), (Start: 86 @36400 has 38 MA's), (Start: 99 @36421 has 11 MA's),
(Start: 105 @36442 has 2 MA's), (114, 36469), (154, 36568), (156, 36571), (157, 36574), (182, 36625),

Gene: Zeta1847_35 Start: 25236, Stop: 25493, Start Num: 88
Candidate Starts for Zeta1847_35:
(1, 24102), (2, 24135), (3, 24270), (25, 25080), (Start: 88 @25236 has 11 MA's), (Start: 105 @25275
has 2 MA's),

Gene: ZhongYanYuan_31 Start: 28288, Stop: 28509, Start Num: 107
Candidate Starts for ZhongYanYuan_31:
(Start: 93 @28243 has 185 MA's), (Start: 107 @28288 has 7 MA's), (129, 28339), (186, 28477), (192,
28498),

Gene: Ziko_119 Start: 57052, Stop: 57291, Start Num: 97
Candidate Starts for Ziko_119:
(Start: 97 @57052 has 7 MA's), (143, 57175), (177, 57247), (178, 57250),

Gene: Zion_52 Start: 43958, Stop: 43662, Start Num: 86
Candidate Starts for Zion_52:
(Start: 86 @43958 has 38 MA's), (109, 43895), (149, 43781), (153, 43769), (172, 43736), (191, 43667),

Gene: ZoeJ_68 Start: 45471, Stop: 45716, Start Num: 96
Candidate Starts for ZoeJ_68:
(Start: 49 @45414 has 1 MA's), (51, 45420), (Start: 96 @45471 has 167 MA's), (127, 45561), (142,
45597), (156, 45630),

Gene: Zooman_18 Start: 8314, Stop: 8547, Start Num: 94
Candidate Starts for Zooman_18:
(Start: 94 @8314 has 66 MA's), (117, 8389), (173, 8536),

Gene: Zooman_331 Start: 183965, Stop: 184198, Start Num: 94
Candidate Starts for Zooman_331:
(Start: 94 @183965 has 66 MA's), (117, 184040), (173, 184187),

Gene: Zooman_185 Start: 110949, Stop: 110695, Start Num: 94
Candidate Starts for Zooman_185:
(64, 110997), (Start: 94 @110949 has 66 MA's),

Gene: xkcd_38 Start: 33304, Stop: 33549, Start Num: 93

Candidate Starts for xkcd_38:

(Start: 93 @33304 has 185 MA's), (Start: 113 @33361 has 3 MA's), (127, 33394), (131, 33400), (152, 33454), (157, 33466),