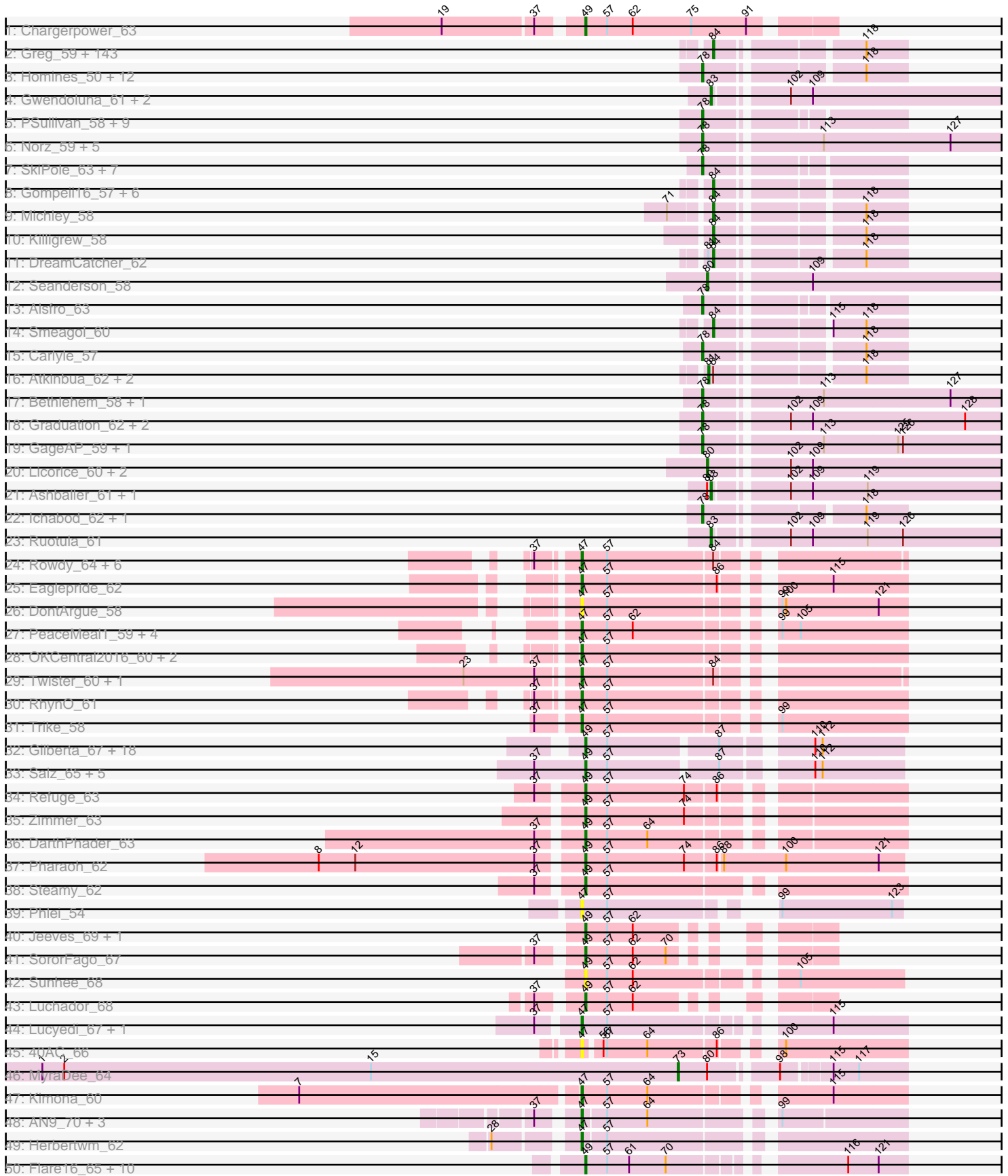
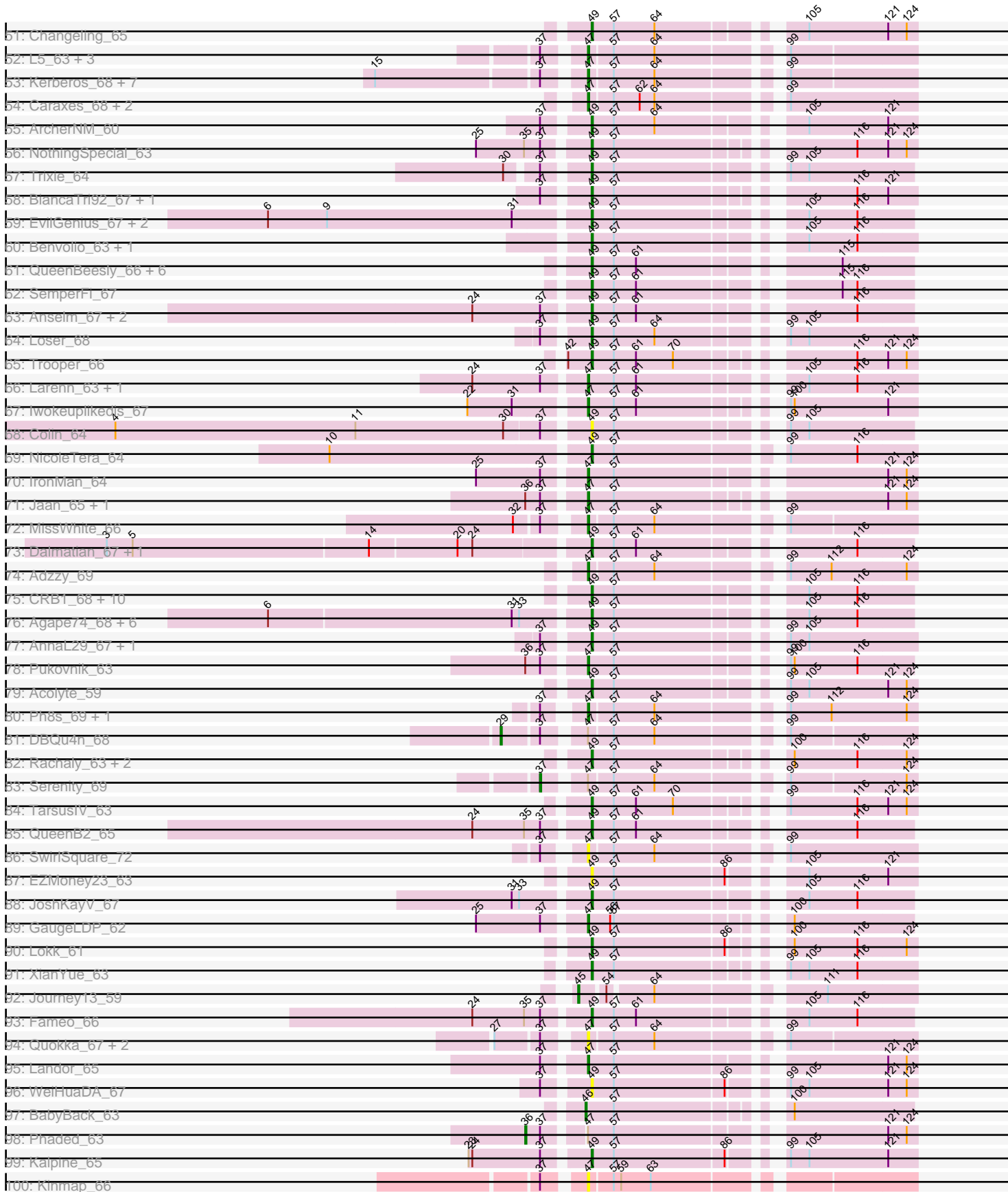


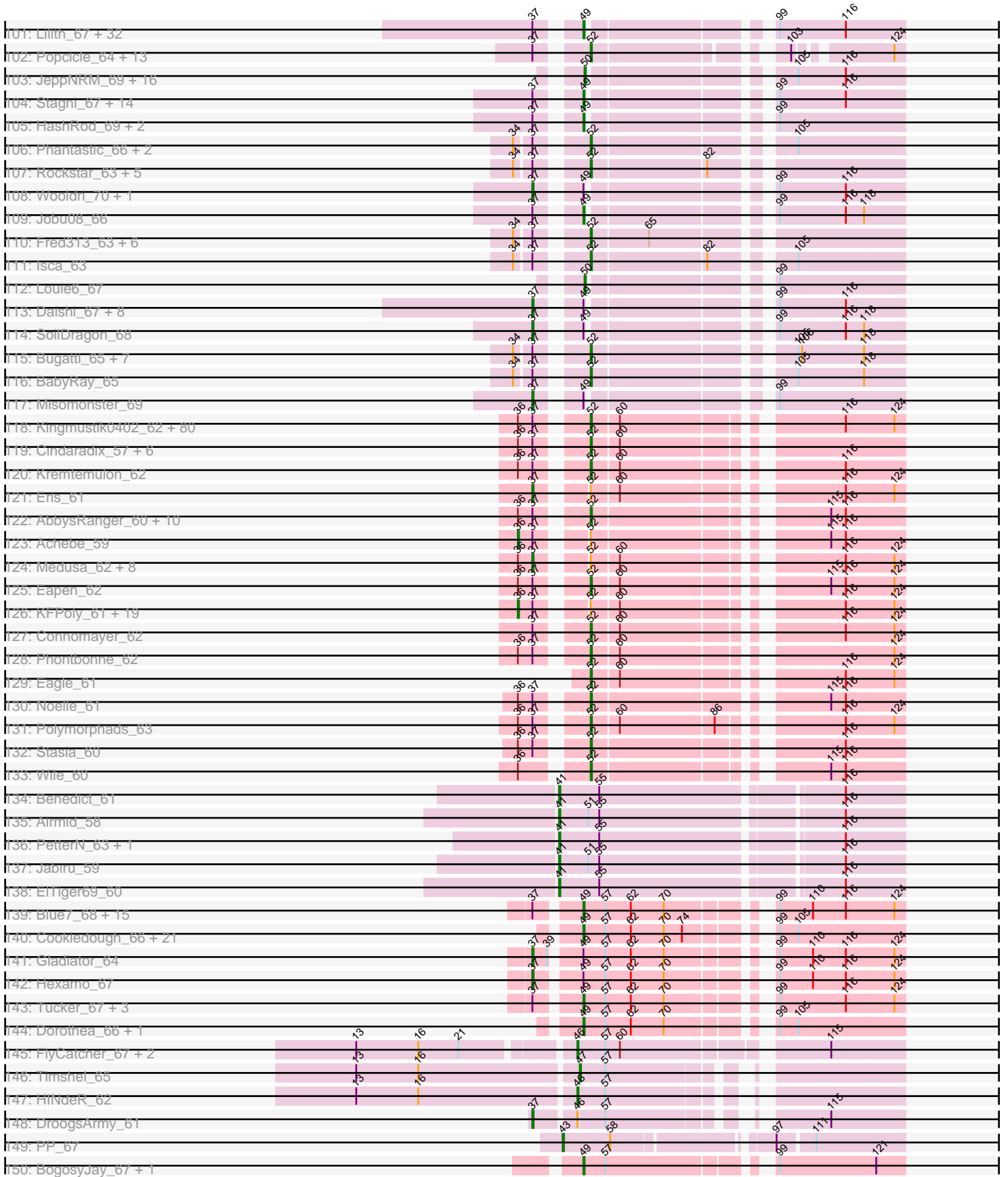
Pham 196160



Pham 196160



Pham 196160



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 196160 Report

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

Pham number 196160 has 828 members, 80 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_63
- Track 2 : Greg_59, Jerm2_59, Espresso_57, MrGordo_58, Monet_61, Peterson_62, Buttons_56, Sagefire_60, Kenmech_63, Jorgensen_59, Solon_56, Violet_56, CactusRose_56, Marcell_55, Oogway_57, Dexes_58, Tripl3t_60, Marge_57, Hami1_53, PinkPlastic_58, Sumter_54, Snazzy_57, Magnito_57, GMonster_54, Briton15_62, Francis47_57, A6_52, PacerPaul_58, BaconJack_63, Conceptll_61, Bruns_57, Wilkins_57, Tasp14_61, Naira_61, Seabiscuit_62, Gandalf20_61, Marsha_57, Agaliana_53, Topgun_57, Arcanine_60, Dussy_60, StewieG_55, Kugel_58, Gyzlar_54, Smairt_61, Abbyshoes_61, JackSparrow_61, BigPaolini_57, Blue_57, HarryOW_57, Lesedi_54, Papez_61, Zephyr_59, Chanagan_54, TheloniousMonk_59, Wheeler_58, Burton_58, Payneful_58, HanShotFirst_59, Pippin_59, MPlant7149_57, Ajay_59, Abrogate_570, Target_59, Crispicous1_55, DrFeelGood_56, Bxb1_53, Edtherson_57, Adahisdi_58, HermioneGrange_59, Aeneas_61, lLeeKay_61, Marchy_53, ShortQueendom_51, PattyP_60, Zeuska_57, Kykar_58, Niza_60, Fushigi_55, NEHalo_56, Hermia_58, Magnar_56, Watermelon_59, Hope4ever_60, GrecoEtereo_58, Mkhuseli_56, Perseus_58, RidgeCB_58, Rutherford_59, Rhynn_56, Sanya_54, Museum_59, Sibs6_60, Rufus_59, BPBiebs31_60, Slagathor_60, McGuire_60, IgnatiusPatJac_58, Arlo_56, Bob3_57, Petruchio_57, Applejack_53, Treddle_59, Mule_56, Ringer_58, Rajelicia_59, Ciao_57, Maroc7_56, PhrostyMug_58, Nhonho_57, AFIS_55, Paphu_57, BeesKnees_61, Forsytheast_57, Swole_58, KBG_59, JuliaChild_59, Nerujay_60, Fajezeel_59, Fascinus_54, BigMau_60, Fenn_61, Zeeculate_56, Kanely_60, Big3_57, BK1_52, Rohr_59, Eyeball_59, Trouble_60, Altman_61, Inyanga_53, Squee_59, Lopton_58, Molly_59, Moose_57, Petp2012_59, Tote_54, BluSpix_56, Bigfoot_52, PascalRango_58, SwissCheese_59, TwoPeat_60, Acme_59, Lamina13_60
- Track 3 : Homines_50, SarFire_55, Makemake_59, Sorpresa_56, ProMouse_58, Sandaddy_55, LilBib_58, DD5_57, Lockley_56, KyMonks1A_61, KSSJEB_58, Turj99_56, Thor_55
- Track 4 : Gwendoluna_61, Pelly_58, Dulcie_58
- Track 5 : PSullivan_58, Pita2_61, Scowl_59, Anglerfish_59, Euphoria_56, Froghopper_55, Sunshine924_60, Paraselene_56, Manatee_59, QTRlifeCrisis_58
- Track 6 : Norz_59, Beatrix_58, Bexan_56, StrongArm_57, Ohno789_59, Doom_56
- Track 7 : SkiPole_63, Dynamix_60, MaryBeth_57, MetalQZJ_56, Corvo_59, Switzer_59, STLscum_61, Pepe_55
- Track 8 : Gompeii16_57, Barriga_59, Bircsak_57, Alvin_57, Mryolo_55, Teodoridan_56, Parliament_58

- Track 9 : Michley_58
- Track 10 : Killigrew_58
- Track 11 : DreamCatcher_62
- Track 12 : Seanderson_58
- Track 13 : Alsfro_63
- Track 14 : Smeagol_60
- Track 15 : Carlyle_57
- Track 16 : Atkinbua_62, Rubeus_58, Pinto_59
- Track 17 : Bethlehem_58, Pari_61
- Track 18 : Graduation_62, Bones_58, Cueyllyss_59
- Track 19 : GageAP_59, SpikeBT_57
- Track 20 : Licorice_60, BillKnuckles_56, Traft412_61
- Track 21 : Ashballer_61, JC27_61
- Track 22 : Ichabod_62, U2_57
- Track 23 : Ruotula_61
- Track 24 : Rowdy_64, Edison31_58, Kristoff_61, DustyMartin_64, Rebeuca_62, Topanga_58, Shapes_64
- Track 25 : Eaglepride_62
- Track 26 : DontArgue_58
- Track 27 : PeaceMeal1_59, Severus_59, Drake94_59, KittenMittens_58, Poompha_59
- Track 28 : OKCentral2016_60, Chupacabra_60, Goose_62
- Track 29 : Twister_60, WalterMcMickey_60
- Track 30 : RhynO_61
- Track 31 : Trike_58
- Track 32 : Gilberta_67, Timothy_66, Bud_65, Aneem_67, Ebony_66, Flaverint_67, Hutc2_65, Orange_65, Mabel_66, Sham4_66, Insomnia_67, Lucivia_67, Snape_66, Munch_66, Bowtie_67, Et2Brutus_65, Fibonacci_66, Mulciber_65, Petersenfast_64
- Track 33 : Salz_65, Bachome_68, Jabith_67, TinyTimmy_66, Joselito_67, MaCh_66
- Track 34 : Refuge_63
- Track 35 : Zimmer_63
- Track 36 : DARTHPhader_63
- Track 37 : Pharaoh_62
- Track 38 : Steamy_62
- Track 39 : Phlei_54
- Track 40 : Jeeves_69, Gail_67
- Track 41 : SororFago_67
- Track 42 : Sunhee_68
- Track 43 : Luchador_68
- Track 44 : Lucyedi_67, EagleEye_68
- Track 45 : 40AC_66
- Track 46 : MyraDee_64
- Track 47 : Kimona_60
- Track 48 : AN9_70, VC3_69, ANI8_70, C3_63
- Track 49 : Herbertwm_62
- Track 50 : Flare16_65, HarryHoudini_66, Equemioh13_65, Baehexic_64, Drake55_67, Centaur_66, Piro94_65, Updawg_66, MiculUcigas_65, WideWale_66, NaSiaTalie_65
- Track 51 : Changeling_65
- Track 52 : L5_63, TopsytheTRex_65, Koduck_67, Jsquared_69
- Track 53 : Kerberos_68, Tomathan_68, D32_67, StarStuff_68, Duplo_68, Pomar16_67, Travvers_67, Naji_68
- Track 54 : Caraxes_68, Superchunk_67, Odin_66

- Track 55 : ArcherNM_60
- Track 56 : NothingSpecial_63
- Track 57 : Trixie_64
- Track 58 : BiancaTri92_67, Leogania_67
- Track 59 : EvilGenius_67, KingCyrus_67, ChipMunk_68
- Track 60 : Benvolio_63, Echid_66
- Track 61 : QueenBeesly_66, Georgie2_67, SnapTap_66, Crucio_66, SweetiePie_66, Power_65, FiringLine_66
- Track 62 : SemperFi_67
- Track 63 : Anselm_67, Retro23_67, Heffalump_65
- Track 64 : Loser_68
- Track 65 : Trooper_66
- Track 66 : Larenn_63, Malec_64
- Track 67 : Iwokeuplikedis_67
- Track 68 : Colin_64
- Track 69 : NicoleTera_64
- Track 70 : IronMan_64
- Track 71 : Jaan_65, Bactobuster_62
- Track 72 : MissWhite_66
- Track 73 : Dalmatian_67, DudeLittle_65
- Track 74 : Adzzy_69
- Track 75 : CRB1_68, LadyBird_70, AN3_68, Buggy_68, Leviathan_68, VA6_66, 20ES_68, Deloris_66, First_0067, BengiVuitton_66, Dignity_68
- Track 76 : Agape74_68, AbbyPaige_68, Jerm_68, Whabigail7_67, Smeagan_69, Turbido_67, LilTurb_67
- Track 77 : AnnaL29_67, RedRock_67
- Track 78 : Pukovnik_63
- Track 79 : Acolyte_59
- Track 80 : Ph8s_69, Che12_69
- Track 81 : DBQu4n_68
- Track 82 : Rachaly_63, Miko_61, BobSwaget_60
- Track 83 : Serenity_69
- Track 84 : TarsusIV_63
- Track 85 : QueenB2_65
- Track 86 : SwirlSquare_72
- Track 87 : EZMoney23_63
- Track 88 : JoshKayV_67
- Track 89 : GaugeLDP_62
- Track 90 : Lokk_61
- Track 91 : XianYue_63
- Track 92 : Journey13_59
- Track 93 : Fameo_66
- Track 94 : Quokka_67, Bradman_68, MajorMajor_67
- Track 95 : Landor_65
- Track 96 : WeiHuaDA_67
- Track 97 : BabyBack_63
- Track 98 : Phaded_63
- Track 99 : Kalpine_65
- Track 100 : Kinmap_66
- Track 101 : Lilith_67, Vix_66, P28Green_69, Malinsilva_70, Phoxy_68, LBerry_69, Spike509_68, Snickers_66, Mainiac_68, Grub_68, Cullens_68, Beauxregard13_67, Sabia_68, Penny1_68, GtownJaz_68, Watson_67, Dieselweasel_69, EpicPhail_69, Marie_66, MoneyMay_67, MarQuardt_68, JHC117_66, Tiffany_67, JenCasNa_69,

Grif_68, Microwolf_66, Taurus_69, Sabinator_66, Fernando_68, LarryKay_68, PotatoSplit_69, Grum1_67, LugYA_71

- Track 102 : Popcicle_64, QuinnKiro_63, Veracruz_62, Caviar_64, Panamaxus_62, Lambert1_64, Margo_64, Todacoro_64, Hookmount_64, Noella_64, Pocahontas_64, Texage_62, Norbert_61, ResDef_63
- Track 103 : JeppNRM_69, Pawn_68, Heliosoles_67, Manu_68, ACFishhook_66, Gemma_67, Kalnok_69, HaveUMetTed_69, OlanP_67, Groupthink_69, Reba_68, Calvinny_67, Marius_69, PhishRPhriends_66, Kalb97_69, PurpleHaze_68, Phranny_69
- Track 104 : Stagni_67, GingkoMaracino_68, Ollie_68, Methuseloh_63, AgronaGT15_67, Rummer_67, Bxz2_63, MuchMore_71, Aglet_69, Soshari_70, MadMarie_68, Zetzy_67, StepMih_67, AugsMagnumOpus_71, Farber_68
- Track 105 : HashRod_69, KADY_67, BuzzBuzz_64
- Track 106 : Phantastic_66, BabyJohn_60, Chiqui_60
- Track 107 : Rockstar_63, MK4_65, B1_57, MA5_65, JF4_63, JF2_63
- Track 108 : Wooldri_70, Anubis_71
- Track 109 : Jobu08_66
- Track 110 : Fred313_63, DropBear_63, Kachowdy_63, Heathen_65, HelDan_64, Marchesa_63, Scout_64
- Track 111 : Isca_63
- Track 112 : Louie6_67
- Track 113 : Daishi_67, PGHhamlin_70, BreSam8_68, Pembroke_68, DaHudson_67, Phoebe_69, Hercules11_68, Colbster_66, SoYo_67
- Track 114 : SoilDragon_68
- Track 115 : Bugatti_65, Idleandcovert_65, SaturnRing_65, Pistachio_65, Puppy_65, TNguyen7_66, BlueBird_67, Giroux_64
- Track 116 : BabyRay_65
- Track 117 : Misomonster_69
- Track 118 : Kingmustik0402_62, LochMonster_63, BellusTerra_63, SheldonCooper_62, Burger_60, Eros_62, Romney_61, MeeZee_61, Obama12_63, Peaches_60, Deano_60, Alberto7_63, Kyee_62, ChampagnePapi_64, LHTSCC_64, Scamp_62, ICleared_61, LittleB_62, Druantia_61, Ulysses_61, Chaph_62, TygerBlood_62, Citius_62, Arturo_60, Caelakin_61, Spino_61, Kampy_61, Lunsford_63, Cerulean_63, OKaNui_62, Pipcraft_59, PeterPeter_62, Mazhar510_62, Happiness_61, TroyPia_63, Taquarus_61, Huxley_60, Commander_61, Bartimeaus_62, Lorenzo_62, Wizard007_61, YoSam321_62, Eurydice_63, Holli_61, Relief_61, Albee_62, Maxo_63, Wilbur_62, Skipitt_61, LeoAvram_61, Blackmoor_61, TiroTheta9_61, NorthStar_60, Nebs_63, Melvin_64, Sparxx_63, Ohfah_63, BangNhom_61, Phelipe_63, Broseidon_62, Koreni_61, Gadost_62, NotAPhaseMom_61, Anyyong_61, CentreCat_62, Jaykayelowell_59, Baby16_62, Tinybot_61, LappelDuVide_62, Morrow_63, DirtyDunning_61, Houdini22_61, Iceman_62, Pumbaa_62, Roosevelt_60, JetBlade_62, Ruin_62, Floean_62, Nemo27_61, Dhanush_62, Rosa24_60
- Track 119 : Cindaradix_57, Stink_59, Mundrea_60, Shygu2_60, AvatarAhPeg_59, Cintron_62, Miramae_59
- Track 120 : Kremtemulon_62
- Track 121 : Eris_61
- Track 122 : AbbysRanger_60, Katalie136_60, Badger_59, PetiteSangsue_60, Bumblebee11_59, Xena_59, Morpher26_60, Cici_60, Datway_60, Backyardigan_58, Perplexer_60
- Track 123 : Achebe_59
- Track 124 : Medusa_62, LittleGuy_62, Sabertooth_62, Flux_62, Maverick_61, Shaka_60, Cocoaberry_62, Avle17_62, Nyxis_61

- Track 125 : Eapen_62
- Track 126 : KFPoly_61, Palestino_61, Camperdownii_60, Phighter1804_62, Kratak_61, Funston_61, Bruiser_61, HamSlice_59, JoongJeon_61, Millski_61, Wander_62, Clarenza_61, Phacado_62, Thanksgivukkah_61, Lemur_62, Iracema64_63, BubbleTrouble_61, TinaFeyge_60, Abdiel_62, Bombshell_62
- Track 127 : Connomayer_62
- Track 128 : Phontbonne_62
- Track 129 : Eagle_61
- Track 130 : Noelle_61
- Track 131 : Polymorphads_63
- Track 132 : Stasia_60
- Track 133 : Wile_60
- Track 134 : Benedict_61
- Track 135 : Airmid_58
- Track 136 : PetterN_63, Scorpia_62
- Track 137 : Jabiru_59
- Track 138 : EITiger69_60
- Track 139 : Blue7_68, Jeffabunny_67, Artemis2UCLA_67, WunderPhul_67, CloudWang3_68, Indra_70, Wiks_66, Helmet_68, Rifter_67, Lilbunny_66, Zaka_67, Koko_69, Yokurt_66, Garak_68, Zulu_68, ToneTone_64
- Track 140 : Cookiedough_66, Blinn1_69, Priamo_68, GreedyLawyer_63, SuperAwesome_66, JewelBug_66, Chartreuse_63, VohminGhazi_66, Neeharika16_65, Candra_64, Pmask_65, BABullseye_59, Isiphiwo_64, Newrala_66, Hoot_61, EricB_65, DaVinci_64, McFly_66, SmellyB_66, Kazan_67, SuperCallie99_63, Kipper29_66
- Track 141 : Gladiator_64
- Track 142 : Hexamo_67
- Track 143 : Tucker_67, Gruunaga_67, Hammer_67, Roksolana_68
- Track 144 : Dorothea_66, Jordennis_65
- Track 145 : FlyCatcher_67, Sheen_65, Toro_65
- Track 146 : Timshel_65
- Track 147 : HINdeR_62
- Track 148 : DroogsArmy_61
- Track 149 : PP_67
- Track 150 : BogosyJay_67, Maminiaina_67
- Track 151 : DreamTeam1_64, Charm_64
- Track 152 : Toaka_67
- Track 153 : ExplosioNervosa_66, Hanray_66, Spouty_66, Holec_66, Priya_66, EmyBug_65, Alma_66, Eidsmoe_66, Fayely_66, Jiawan_65, Qobbit_66, Conquerage_66
- Track 154 : Lilleskat_64, Tubs_68, Beemo_69, Catalina_70, RyeScarlet_70, EdogawaKiddo_66, Onglai_66, HortumSL17_69, PackMan_67, Myxus_68, Aliter_69, Sachima_64, Pioneer_69, Phonnegut_69, Phaeder_68
- Track 155 : Vanisoa_66
- Track 156 : Scherzo_68, Ugenie5_64
- Track 157 : Yecey3_69
- Track 158 : Keziacharles14_66
- Track 159 : LoneWolf_68
- Track 160 : SheaKeira_63
- Track 161 : Arissanae_65
- Track 162 : Darrell_69
- Track 163 : Elephantoon_66, Rahalelujah_66
- Track 164 : DrSeegs_98

- Track 165 : DHan_102, Claus_99, ZhongYanYuan_96, Hafay_100
- Track 166 : Miley16_99, Breezona_99, Winky_99
- Track 167 : GuuelaD_96, Netyap_98, MkaliMitinis3_101, Lewan_100, BobsGarage_98, LilDestine_97, Faith1_99, Itos_99, Loadrie_98, BigCheese_99, Kahlid_98, Nicholasp3_99, Vetrix_97, Finemlucis_100, Rumpelstiltskin_95, Wigglewiggles_99, Zakai_100, Gabriela_99, Gardann_99
- Track 168 : Sarshaun_100, Soap141_99
- Track 169 : Archie_96, Bazzle_96, Crossroads_99
- Track 170 : Baoshan_96
- Track 171 : Wilder_100
- Track 172 : DanBing_98
- Track 173 : Tourach_100
- Track 174 : Kingsolomon_94, Jubie_95, Nicholas_94, Finnry_96, Lumos_96, Snenia_95, Jobypre_97, MsGreen_96, Samty_95, Bellis_94, Moostard_93, Clautastrophe_94
- Track 175 : KirDoubleO7_94, LiyuLake_95, BourbonZero_97, Ellson_95, MiniLon_101, DuncansLeg_97, Lolly9_96
- Track 176 : Krypton555_99, Whirlwind_98
- Track 177 : MiniMac_101
- Track 178 : BrainDrainer_101, Douzhi_100, FarmResident_101
- Track 179 : Chaser_99
- Track 180 : Bromden_100
- Track 181 : PYPDinur_100, Sheng711_101
- Track 182 : Quby_100
- Track 183 : Douge_100
- Track 184 : DyoEdafos_103
- Track 185 : Baudelaire_107, Aegeus_107

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

The start number called the most often in the published annotations is 49, it was called in 225 of the 748 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_68, AN3_68, AbbyPaige_68, Acolyte_59, Agape74_68, Aglet_69, AgronaGT15_67, Aliter_69, Alma_66, Aneem_67, AnnaL29_67, Anselm_67, ArcherNM_60, Arissanae_65, Artemis2UCLA_67, AugsMagnumOpus_71, BABullseye_59, Bachome_68, Baehexic_64, Beauxregard13_67, Beemo_69, BengiVuitton_66, Benvolio_63, BiancaTri92_67, Blinn1_69, Blue7_68, BobSwaget_60, BogosyJay_67, Bowtie_67, Bud_65, Buggy_68, BuzzBuzz_64, Bxz2_63, CRB1_68, Candra_64, Catalina_70, Centaur_66, Changeling_65, Chargerpower_63, Charm_64, Chartreuse_63, ChipMunk_68, CloudWang3_68, Colin_64, Conquerage_66, Cookiedough_66, Crucio_66, Cullens_68, DaVinci_64, Dalmatian_67, Darrell_69, DarthPhader_63, Deloris_66, Dieselweasel_69, Dignity_68, Dorothea_66, Drake55_67, DreamTeam1_64, DudeLittle_65, EZMoney23_63, Ebony_66, Echild_66, EdogawaKiddo_66, Eidsmoe_66, Elephantoon_66, EmyBug_65, EpicPhail_69, Equemioh13_65, EricB_65, Et2Brutus_65, EvilGenius_67, ExplosioNervosa_66, Fameo_66, Farber_68, Fayely_66, Fernando_68, Fibonacci_66, FiringLine_66, First_0067, Flare16_65, Flaverint_67, Gail_67, Garak_68, Georgie2_67, Gilberta_67, GingkoMaracino_68,

GreedyLawyer_63, Grif_68, Grub_68, Grum1_67, Gruunaga_67, GtownJaz_68, Hammer_67, Hanray_66, HarryHoudini_66, HashRod_69, Heffalump_65, Helmet_68, Horex_66, Hoot_61, HortumSL17_69, Hutc2_65, Indra_70, Insomnia_67, Isiphiwo_64, JHC117_66, Jabith_67, Jeeves_69, Jeffabunny_67, JenCasNa_69, Jerm_68, JewelBug_66, Jiawan_65, Jobu08_66, Jordennis_65, Joselito_67, JoshKayV_67, KADY_67, Kalpine_65, Kazan_67, Keziacharles14_66, KingCyrus_67, Kipper29_66, Koko_69, LBerry_69, LadyBird_70, LarryKay_68, Leogania_67, Leviathan_68, LilTurb_67, Lilbunny_66, Lilith_67, Lilleskat_64, Lokk_61, LoneWolf_68, Loser_68, Luchador_68, Lucivia_67, LugYA_71, MaCh_66, Mabel_66, MadMarie_68, Mainiac_68, Malinsilva_70, Maminiaina_67, MarQuardt_68, Marie_66, McFly_66, Methuselah_63, Microwolf_66, MiculUcigas_65, Miko_61, MoneyMay_67, MuchMore_71, Mulciber_65, Munch_66, Myxus_68, NaSiaTalie_65, Neeharika16_65, Newrala_66, NicoleTera_64, NothingSpecial_63, Ollie_68, Onglai_66, Orange_65, P28Green_69, PackMan_67, Penny1_68, Petersenfast_64, Phaeder_68, Pharaoh_62, Phonnegut_69, Phoxy_68, Pioneer_69, Piro94_65, Pmask_65, PotatoSplit_69, Power_65, Priamo_68, Priya_66, Qobbit_66, QueenB2_65, QueenBeesly_66, Rachaly_63, Rahalelujah_66, RedRock_67, Refuge_63, Retro23_67, Rifter_67, Roksolana_68, Rummer_67, RyeScarlet_70, Sabia_68, Sabinator_66, Sachima_64, Salz_65, Scherzo_68, SemperFi_67, Sham4_66, SheaKeira_63, Smeagan_69, SmellyB_66, SnapTap_66, Snape_66, Snickers_66, SororFago_67, Soshari_70, Spike509_68, Spouty_66, Stagni_67, Steamy_62, StepMih_67, Sunhee_68, SuperAwesome_66, SuperCallie99_63, SweetiePie_66, TarsusIV_63, Taurus_69, Tiffany_67, Timothy_66, TinyTimmy_66, Toaka_67, ToneTone_64, Trixie_64, Trooper_66, Tubs_68, Tucker_67, Turbido_67, Ugenie5_64, Updawg_66, VA6_66, Vanisoa_66, Vix_66, VohminGhazi_66, Watson_67, WeiHuaDA_67, Whabigail7_67, WideWale_66, Wiks_66, WunderPhul_67, XianYue_63, Yokurt_66, Zaka_67, Zetzy_67, Zimmer_63, Zulu_68,

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

- Anubis_71, BreSam8_68, Colbster_66, DaHudson_67, Daishi_67, Gladiator_64, Hercules11_68, Hexamo_67, Misomonster_69, PGHhamlin_70, Pembroke_68, Phoebe_69, SoYo_67, SoilDragon_68, Wooldri_70,

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

- 40AC_66, A6_52, ACFishhook_66, AFIS_55, AN9_70, ANI8_70, AbbysRanger_60, Abbyshoes_61, Abdiel_62, Abrogate_570, Achebe_59, Acme_59, Adahisdi_58, Adzzy_69, Aegeus_107, Aeneas_61, Agaliana_53, Airmid_58, Ajay_59, Albee_62, Alberto7_63, Alsfro_63, Altman_61, Alvin_57, Anglerfish_59, Annyong_61, Applejack_53, Arcanine_60, Archie_96, Arlo_56, Arturo_60, Ashballer_61, Atkinbua_62, AvatarAhPeg_59, Avle17_62, B1_57, BK1_52, BPBiEbs31_60, Baby16_62, BabyBack_63, BabyJohn_60, BabyRay_65, Backyardigan_58, BaconJack_63, Bactobuster_62, Badger_59, BangNhom_61, Baoshan_96, Barriga_59, Bartimeaus_62, Baudelaire_107, Bazzle_96, Beatrix_58, BeesKnees_61, Bellis_94, BellusTerra_63, Benedict_61, Bethlehem_58, Bexan_56, Big3_57, BigCheese_99, BigMau_60, BigPaolini_57, Bigfoot_52, BillKnuckles_56, Bircsak_57, Blackmoor_61, BluSpix_56, BlueBird_67, Blue_57, Bob3_57, BobsGarage_98, Bombshell_62, Bones_58, BourbonZero_97, Bradman_68, BrainDrainer_101, Breezona_99, Briton15_62, Bromden_100, Broseidon_62, Bruiser_61, Bruns_57, BubbleTrouble_61, Bugatti_65, Bumblebee11_59, Burger_60, Burton_58, Buttons_56, Bxb1_53, C3_63, CactusRose_56, Caelakin_61, Calvinny_67, Camperdownii_60, Caraxes_68, Carlyle_57, Caviar_64, CentreCat_62, Cerulean_63, ChampagnePapi_64, Chanagan_54, Chaph_62, Chaser_99, Che12_69, Chiqui_60, Chupacabra_60, Ciao_57, Cici_60, Cindaradix_57, Cintron_62, Citius_62,

Clarenza_61, Claus_99, Clautastrophe_94, Cocoaberry_62, Commander_61, Conceptll_61, Connomayer_62, Corvo_59, Crispicous1_55, Crossroads_99, Cueyllyss_59, D32_67, DBQu4n_68, DD5_57, DHan_102, DanBing_98, Datway_60, Deano_60, Dexes_58, Dhanush_62, DirtyDunning_61, DontArgue_58, Doom_56, Douge_100, Douzhi_100, DrFeelGood_56, DrSeegs_98, Drake94_59, DreamCatcher_62, DroogsArmy_61, DropBear_63, Druantia_61, Dulcie_58, DuncansLeg_97, Duplo_68, Dussy_60, DustyMartin_64, Dynamix_60, DyoEdafos_103, EagleEye_68, Eagle_61, Eaglepride_62, Eapen_62, Edison31_58, Edtherson_57, EITiger69_60, Ellson_95, Eris_61, Eros_62, Espresso_57, Euphoria_56, Eurydice_63, Eyeball_59, Faith1_99, Fajezeel_59, FarmResident_101, Fascinus_54, Fenn_61, Finemlucis_100, Finnry_96, Florean_62, Flux_62, FlyCatcher_67, Forsytheast_57, Francis47_57, Fred313_63, Froghopper_55, Funston_61, Fushigi_55, GMonster_54, Gabriela_99, Gadost_62, GageAP_59, Gandalf20_61, Gardann_99, GaugeLDP_62, Gemma_67, Giroux_64, Gompeii16_57, Goose_62, Graduation_62, GrecoEtereo_58, Greg_59, Groupthink_69, GuuelaD_96, Gwendoluna_61, Gyzlar_54, HINdeR_62, Hafay_100, HamSlice_59, Hami1_53, HanShotFirst_59, Happiness_61, HarryOW_57, HaveUMetTed_69, Heathen_65, HelDan_64, Heliosoles_67, Herbertwm_62, Hermia_58, HermioneGrange_59, Holli_61, Homines_50, Hookmount_64, Hope4ever_60, Houdini22_61, Huxley_60, ICleared_61, ILeeKay_61, Iceman_62, Ichabod_62, Idleandcovert_65, IgnatiusPatJac_58, Inyanga_53, Iracema64_63, IronMan_64, Isca_63, Itos_99, Iwokeuplikedis_67, JC27_61, JF2_63, JF4_63, Jaan_65, Jabiru_59, JackSparrow_61, Jaykayelowell_59, JeppNRM_69, Jerm2_59, JetBlade_62, Jobypre_97, JoongJeon_61, Jorgensen_59, Journey13_59, Jsquared_69, Jubie_95, JuliaChild_59, KBG_59, KFPoly_61, KSSJEB_58, Kachowdy_63, Kahlid_98, Kalb97_69, Kalnoky_69, Kampy_61, Kanely_60, Katalie136_60, Kenmech_63, Kerberos_68, Killigrew_58, Kimona_60, Kingmustik0402_62, Kingsolomon_94, Kinmap_66, KirDoubleO7_94, KittenMittens_58, Koduck_67, Koreni_61, Kratak_61, Kremtemulon_62, Kristoff_61, Krypton555_99, Kugel_58, KyMonks1A_61, Kyee_62, Kykar_58, L5_63, LHTSCC_64, Lambert1_64, Lamina13_60, Landor_65, LappelDuVide_62, Larenn_63, Lemur_62, LeoAvram_61, Lesedi_54, Lewan_100, Licorice_60, LilBib_58, LilDestine_97, LittleB_62, LittleGuy_62, LiyuLake_95, Loadrie_98, LochMonster_63, Lockley_56, Lolly9_96, Lopton_58, Lorenzo_62, Louie6_67, Lucyedi_67, Lumos_96, Lunsford_63, MA5_65, MK4_65, MPlant7149_57, Magnar_56, Magnito_57, MajorMajor_67, Makemake_59, Malec_64, Manatee_59, Manu_68, Marcell_55, Marchesa_63, Marchy_53, Marge_57, Margo_64, Marius_69, Maroc7_56, Marsha_57, MaryBeth_57, Maverick_61, Maxo_63, Mazhar510_62, McGuire_60, Medusa_62, MeeZee_61, Melvin_64, MetalQZJ_56, Michley_58, Miley16_99, Millski_61, MiniLon_101, MiniMac_101, Miramae_59, MissWhite_66, MkaliMitinis3_101, Mkhuseleli_56, Molly_59, Monet_61, Moose_57, Moostard_93, Morpher26_60, Morrow_63, MrGordo_58, Mryolo_55, MsGreen_96, Mule_56, Mundrea_60, Museum_59, MyraDee_64, NEHalo_56, Naira_61, Naji_68, Nebs_63, Nemo27_61, Nerujay_60, Netyap_98, Nhonho_57, Nicholas_94, Nicholasp3_99, Niza_60, Noella_64, Noelle_61, Norbert_61, NorthStar_60, Norz_59, NotAPhaseMom_61, Nyxis_61, OKCentral2016_60, OKaNui_62, Obama12_63, Odin_66, Ohfah_63, Ohno789_59, OlanP_67, Oogway_57, PP_67, PSullivan_58, PYPDinur_100, PacerPaul_58, Palestino_61, Panamaxus_62, Papez_61, Paphu_57, Paraselene_56, Pari_61, Parliament_58, PascalRango_58, PattyP_60, Pawn_68, Payneful_58, PeaceMeal1_59, Peaches_60, Pelly_58, Pepe_55, Perplexer_60, Perseus_58, PeterPeter_62, Peterson_62, PetiteSangsue_60, Petp2012_59, Petruccio_57, PetterN_63, Ph8s_69, Phacado_62, Phaded_63, Phantastic_66, Felipe_63, Phighter1804_62, PhishRPhriends_66, Phlei_54, Phontbonne_62, Phranny_69, PhrostyMug_58, PinkPlastic_58, Pinto_59,

Pipcraft_59, Pippin_59, Pistachio_65, Pita2_61, Pocahontas_64, Polymorphads_63, Pomar16_67, Poompha_59, Popcicle_64, ProMouse_58, Pukovnik_63, Pumbaa_62, Puppy_65, PurpleHaze_68, QTRlifeCrisis_58, Quby_100, QuinnKiro_63, Quokka_67, Rajelicia_59, Reba_68, Rebeuca_62, Relief_61, ResDef_63, RhynO_61, Rhynn_56, RidgeCB_58, Ringer_58, Rockstar_63, Rohr_59, Romney_61, Roosevelt_60, Rosa24_60, Rowdy_64, Rubeus_58, Rufus_59, Ruin_62, Rumpelstiltskin_95, Ruotula_61, Rutherford_59, STLscum_61, Sabertooth_62, Sagefire_60, Samty_95, Sandaddy_55, Sanya_54, SarFire_55, Sarshaun_100, SaturnRing_65, Scamp_62, Scorpia_62, Scout_64, Scowl_59, Seabiscuit_62, Seanderson_58, Serenity_69, Severus_59, Shaka_60, Shapes_64, Sheen_65, SheldonCooper_62, Sheng711_101, ShortQueendom_51, Shygu2_60, Sibs6_60, SkiPole_63, Skipitt_61, Slagathor_60, Smairt_61, Smeagol_60, Snazzy_57, Snenia_95, Soap141_99, Solon_56, Sorpresa_56, Sparxx_63, SpikeBT_57, Spino_61, Squee_59, StarStuff_68, Stasia_60, StewieG_55, Stink_59, StrongArm_57, Sumter_54, Sunshine924_60, Superchunk_67, SwirlSquare_72, SwissCheese_59, Switzer_59, Swole_58, TNguyen7_66, Taquarus_61, Target_59, Tasp14_61, Teodoridan_56, Texage_62, Thanksgivukkah_61, TheloniousMonk_59, Thor_55, Timshel_65, TinaFeyge_60, Tinybot_61, TopsytheTRex_65, TiroTheta9_61, Todacoro_64, Tomathan_68, Topanga_58, Topgun_57, Toro_65, Tote_54, Tourach_100, Traft412_61, Travvers_67, Treddle_59, Trike_58, Tripl3t_60, Trouble_60, TroyPia_63, Turj99_56, Twister_60, TwoPeat_60, TygerBlood_62, U2_57, Ulysses_61, VC3_69, Veracruz_62, Vetric_97, Violet_56, WalterMcMickey_60, Wander_62, Watermelon_59, Wheeler_58, Whirlwind_98, Wigglewiggle_99, Wilbur_62, Wilder_100, Wile_60, Wilkins_57, Winky_99, Wizard007_61, Xena_59, Yecey3_69, YoSam321_62, Zakai_100, Zeeculate_56, Zephyr_59, Zeuska_57, ZhongYanYuan_96,

Summary by start number:

Start 29:

- Found in 1 of 828 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DBQu4n_68 (A2),

Start 36:

- Found in 140 of 828 (16.9%) of genes in pham
- Manual Annotations of this start: 22 of 748
- Called 15.7% of time when present
- Phage (with cluster) where this start called: Abdiel_62 (A4), Achebe_59 (A4), Bombshell_62 (A4), Bruiser_61 (A4), BubbleTrouble_61 (A4), Camperdownii_60 (A4), Clarenza_61 (A4), Funston_61 (A4), HamSlice_59 (A4), Iracema64_63 (A4), JoongJeon_61 (A4), KFPoly_61 (A4), Kratark_61 (A4), Lemur_62 (A4), Millski_61 (A4), Palestino_61 (A4), Phacado_62 (A4), Phaded_63 (A2), Phighter1804_62 (A4), Thanksgivukkah_61 (A4), TinaFeyge_60 (A4), Wander_62 (A4),

Start 37:

- Found in 344 of 828 (41.5%) of genes in pham
- Manual Annotations of this start: 27 of 748
- Called 7.8% of time when present
- Phage (with cluster) where this start called: Anubis_71 (A3), Avle17_62 (A4), BreSam8_68 (A3), Cocoaberry_62 (A4), Colbster_66 (A3), DaHudson_67 (A3), Daishi_67 (A3), DroogsArmy_61 (A7), Eris_61 (A4), Flux_62 (A4), Gladiator_64 (A6),

Hercules11_68 (A3), Hexamo_67 (A6), LittleGuy_62 (A4), Maverick_61 (A4), Medusa_62 (A4), Misomonster_69 (A3), Nyxis_61 (A4), PGHhamlin_70 (A3), Pembroke_68 (A3), Phoebe_69 (A3), Sabertooth_62 (A4), Serenity_69 (A2), Shaka_60 (A4), SoYo_67 (A3), SoilDragon_68 (A3), Wooldri_70 (A3),

Start 41:

- Found in 6 of 828 (0.7%) of genes in pham
- Manual Annotations of this start: 6 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Airmid_58 (A5), Benedict_61 (A5), EITiger69_60 (A5), Jabiru_59 (A5), PetterN_63 (A5), Scorpia_62 (A5),

Start 43:

- Found in 1 of 828 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PP_67 (A7),

Start 45:

- Found in 1 of 828 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Journey13_59 (A2),

Start 46:

- Found in 6 of 828 (0.7%) of genes in pham
- Manual Annotations of this start: 3 of 748
- Called 83.3% of time when present
- Phage (with cluster) where this start called: BabyBack_63 (A2), FlyCatcher_67 (A7), HINdeR_62 (A7), Sheen_65 (A7), Toro_65 (A7),

Start 47:

- Found in 69 of 828 (8.3%) of genes in pham
- Manual Annotations of this start: 52 of 748
- Called 95.7% of time when present
- Phage (with cluster) where this start called: 40AC_66 (A17), AN9_70 (A2), ANI8_70 (A2), Adzzy_69 (A2), Bactobuster_62 (A2), Bradman_68 (A2), C3_63 (A2), Caraxes_68 (A2), Che12_69 (A2), Chupacabra_60 (A10), D32_67 (A2), DontArgue_58 (A10), Drake94_59 (A10), Duplo_68 (A2), DustyMartin_64 (A10), EagleEye_68 (A16), Eaglepride_62 (A10), Edison31_58 (A10), GaugeLDP_62 (A2), Goose_62 (A10), Herbertwm_62 (A2), IronMan_64 (A2), Iwokeuplikedis_67 (A2), Jaan_65 (A2), Jsquared_69 (A2), Kerberos_68 (A2), Kimona_60 (A19), Kinmap_66 (A21), KittenMittens_58 (A10), Koduck_67 (A2), Kristoff_61 (A10), L5_63 (A2), Landor_65 (A2), Larenn_63 (A2), Lucyedi_67 (A16), MajorMajor_67 (A2), Malec_64 (A2), MissWhite_66 (A2), Naji_68 (A2), OKCentral2016_60 (A10), Odin_66 (A2), PeaceMeal1_59 (A10), Ph8s_69 (A2), Phlei_54 (A13), Pomar16_67 (A2), Poompha_59 (A10), Pukovnik_63 (A2), Quokka_67 (A2), Rebeuca_62 (A10), RhynO_61 (A10), Rowdy_64 (A10), Severus_59 (A10), Shapes_64 (A10), StarStuff_68 (A2), Superchunk_67 (A2), SwirlSquare_72 (A2), Timshel_65 (A7), TopsytheTRex_65 (A2), Tomathan_68 (A2), Topanga_58 (A10), Travvers_67 (A2), Trike_58 (A10), Twister_60 (A10), VC3_69 (A2), WalterMcMickey_60 (A10), Yecey3_69 (A9),

Start 49:

- Found in 261 of 828 (31.5%) of genes in pham
- Manual Annotations of this start: 225 of 748
- Called 94.3% of time when present
- Phage (with cluster) where this start called: 20ES_68 (A2), AN3_68 (A2), AbbyPaige_68 (A2), Acolyte_59 (A2), Agape74_68 (A2), Aglet_69 (A3), AgronaGT15_67 (A3), Aliter_69 (A9), Alma_66 (A9), Aneem_67 (A11), AnnaL29_67 (A2), Anselm_67 (A2), ArcherNM_60 (A2), Arissanae_65 (A9), Artemis2UCLA_67 (A6), AugsMagnumOpus_71 (A3), BABullseye_59 (A6), Bachome_68 (A11), Baehexic_64 (A2), Beauxregard13_67 (A3), Beemo_69 (A9), BengiVuitton_66 (A2), Benvolio_63 (A2), BiancaTri92_67 (A2), Blinn1_69 (A6), Blue7_68 (A6), BobSwaget_60 (A2), BogosyJay_67 (A9), Bowtie_67 (A11), Bud_65 (A11), Buggy_68 (A2), BuzzBuzz_64 (A3), Bxz2_63 (A3), CRB1_68 (A2), Candra_64 (A6), Catalina_70 (A9), Centaur_66 (A2), Changeling_65 (A2), Chargerpower_63 (A), Charm_64 (A9), Chartreuse_63 (A6), ChipMunk_68 (A2), CloudWang3_68 (A6), Colin_64 (A2), Conquerage_66 (A9), Cookiedough_66 (A6), Crucio_66 (A2), Cullens_68 (A3), DaVinci_64 (A6), Dalmatian_67 (A2), Darrell_69 (A9), DarthPhader_63 (A12), Deloris_66 (A2), Dieselweasel_69 (A3), Dignity_68 (A2), Dorothea_66 (A6), Drake55_67 (A2), DreamTeam1_64 (A9), DudeLittle_65 (A2), EZMoney23_63 (A2), Ebony_66 (A11), Echild_66 (A2), EdogawaKiddo_66 (A9), Eidsmoe_66 (A9), Elephantoon_66 (A9), EmyBug_65 (A9), EpicPhail_69 (A3), Equemioh13_65 (A2), EricB_65 (A6), Et2Brutus_65 (A11), EvilGenius_67 (A2), ExplosioNervosa_66 (A9), Fameo_66 (A2), Farber_68 (A3), Fayely_66 (A9), Fernando_68 (A3), Fibonacci_66 (A11), FiringLine_66 (A2), First_0067 (A2), Flare16_65 (A2), Flaverint_67 (A11), Gail_67 (A14), Garak_68 (A6), Georgie2_67 (A2), Gilberta_67 (A11), GingkoMaracino_68 (A3), GreedyLawyer_63 (A6), Grif_68 (A3), Grub_68 (A3), Grum1_67 (A3), Gruunaga_67 (A6), GtownJaz_68 (A3), Hammer_67 (A6), Hanray_66 (A9), HarryHoudini_66 (A2), HashRod_69 (A3), Heffalump_65 (A2), Helmet_68 (A6), Horex_66 (A9), Hoot_61 (A6), HortumSL17_69 (A9), Hutc2_65 (A11), Indra_70 (A6), Insomnia_67 (A11), Isiphiwo_64 (A6), JHC117_66 (A3), Jabith_67 (A11), Jeeves_69 (A14), Jeffabunny_67 (A6), JenCasNa_69 (A3), Jerm_68 (A2), JewelBug_66 (A6), Jiawan_65 (A9), Jobu08_66 (A3), Jordennis_65 (A6), Joselito_67 (A11), JoshKayV_67 (A2), KADY_67 (A3), Kalpine_65 (A2), Kazan_67 (A6), Keziacharles14_66 (A9), KingCyrus_67 (A2), Kipper29_66 (A6), Koko_69 (A6), LBerry_69 (A3), LadyBird_70 (A2), LarryKay_68 (A3), Leogania_67 (A2), Leviathan_68 (A2), LilTurb_67 (A2), Lilbunny_66 (A6), Lilith_67 (A3), Lilleskat_64 (A9), Lokk_61 (A2), LoneWolf_68 (A9), Loser_68 (A2), Luchador_68 (A14), Lucivia_67 (A11), LugYA_71 (A3), MaCh_66 (A11), Mabel_66 (A11), MadMarie_68 (A3), Mainiac_68 (A3), Malinsilva_70 (A3), Maminiaina_67 (A9), MarQuardt_68 (A3), Marie_66 (A3), McFly_66 (A6), Methuselah_63 (A3), Microwolf_66 (A3), MiculUcigas_65 (A2), Miko_61 (A2), MoneyMay_67 (A3), MuchMore_71 (A3), Mulciber_65 (A11), Munch_66 (A11), Myxus_68 (A9), NaSiaTalie_65 (A2), Neeharika16_65 (A6), Newrala_66 (A6), NicoleTera_64 (A2), NothingSpecial_63 (A2), Ollie_68 (A3), Onglai_66 (A9), Orange_65 (A11), P28Green_69 (A3), PackMan_67 (A9), Penny1_68 (A3), Petersenfast_64 (A11), Phaeder_68 (A9), Pharaoh_62 (A12), Phonnegut_69 (A9), Phoxy_68 (A3), Pioneer_69 (A9), Piro94_65 (A2), Pmask_65 (A6), PotatoSplit_69 (A3), Power_65 (A2), Priamo_68 (A6), Priya_66 (A9), Qobbit_66 (A9), QueenB2_65 (A2), QueenBeesly_66 (A2), Rachaly_63 (A2), Rahalelujah_66 (A9), RedRock_67 (A2), Refuge_63 (A12), Retro23_67 (A2), Rifter_67 (A6), Roksolana_68 (A6), Rummer_67 (A3), RyeScarlet_70 (A9), Sabia_68 (A3), Sabinator_66 (A3), Sachima_64 (A9), Salz_65 (A11), Scherzo_68 (A9), SemperFi_67 (A2), Sham4_66 (A11), SheaKeira_63 (A9), Smeagan_69 (A2), SmellyB_66 (A6), SnapTap_66 (A2), Snape_66 (A11), Snickers_66 (A3),

SororFago_67 (A14), Soshari_70 (A3), Spike509_68 (A3), Spouty_66 (A9), Stagni_67 (A3), Steamy_62 (A12), StepMih_67 (A3), Sunhee_68 (A14), SuperAwesome_66 (A6), SuperCallie99_63 (A6), SweetiePie_66 (A2), TarsusIV_63 (A2), Taurus_69 (A3), Tiffany_67 (A3), Timothy_66 (A11), TinyTimmy_66 (A11), Toaka_67 (A9), ToneTone_64 (A6), Trixie_64 (A2), Trooper_66 (A2), Tubs_68 (A9), Tucker_67 (A6), Turbido_67 (A2), Ugenie5_64 (A9), Updawg_66 (A2), VA6_66 (A2), Vanisoa_66 (A9), Vix_66 (A3), VohminGhazi_66 (A6), Watson_67 (A3), WeiHuaDA_67 (A2), Whabigail7_67 (A2), WideWale_66 (A2), Wiks_66 (A6), WunderPhul_67 (A6), XianYue_63 (A2), Yokurt_66 (A6), Zaka_67 (A6), Zetzy_67 (A3), Zimmer_63 (A12), Zulu_68 (A6),

Start 50:

- Found in 19 of 828 (2.3%) of genes in pham
- Manual Annotations of this start: 16 of 748
- Called 94.7% of time when present
- Phage (with cluster) where this start called: ACFishhook_66 (A3), Calvinny_67 (A3), Gemma_67 (A3), Groupthink_69 (A3), HaveUMetTed_69 (A3), Heliosoles_67 (A3), JeppNRM_69 (A3), Kalb97_69 (A3), Kalnoky_69 (A3), Louie6_67 (A3), Manu_68 (A3), Marius_69 (A3), OlanP_67 (A3), Pawn_68 (A3), PhishRPhriends_66 (A3), Phranny_69 (A3), PurpleHaze_68 (A3), Reba_68 (A3),

Start 52:

- Found in 179 of 828 (21.6%) of genes in pham
- Manual Annotations of this start: 138 of 748
- Called 82.7% of time when present
- Phage (with cluster) where this start called: AbbysRanger_60 (A4), Albee_62 (A4), Alberto7_63 (A4), Annyong_61 (A4), Arturo_60 (A4), AvatarAhPeg_59 (A4), B1_57 (A3), Baby16_62 (A4), BabyJohn_60 (A3), BabyRay_65 (A3), Backyardigan_58 (A4), Badger_59 (A4), BangNhom_61 (A4), Bartimeaus_62 (A4), BellusTerra_63 (A4), Blackmoor_61 (A4), BlueBird_67 (A3), Broseidon_62 (A4), Bugatti_65 (A3), Bumblebee11_59 (A4), Burger_60 (A4), Caelakin_61 (A4), Caviar_64 (A3), CentreCat_62 (A4), Cerulean_63 (A4), ChampagnePapi_64 (A4), Chaph_62 (A4), Chiqui_60 (A3), Cici_60 (A4), Cindaradix_57 (A4), Cintron_62 (A4), Citius_62 (A4), Commander_61 (A4), Connomayer_62 (A4), Datway_60 (A4), Deano_60 (A4), Dhanush_62 (A4), DirtyDunning_61 (A4), DropBear_63 (A3), Druantia_61 (A4), Eagle_61 (A4), Eapen_62 (A4), Eros_62 (A4), Eurydice_63 (A4), Florean_62 (A4), Fred313_63 (A3), Gadost_62 (A4), Giroux_64 (A3), Happiness_61 (A4), Heathen_65 (A3), HelDan_64 (A3), Holli_61 (A4), Hookmount_64 (A3), Houdini22_61 (A4), Huxley_60 (A4), ICleared_61 (A4), Iceman_62 (A4), Idleandcovert_65 (A3), Isca_63 (A3), JF2_63 (A3), JF4_63 (A3), Jaykayelowell_59 (A4), JetBlade_62 (A4), Kachowdy_63 (A3), Kampy_61 (A4), Katalie136_60 (A4), Kingmustik0402_62 (A4), Koreni_61 (A4), Kremtemulon_62 (A4), Kyee_62 (A4), LHTSCC_64 (A4), Lambert1_64 (A3), LappelDuVide_62 (A4), LeoAvram_61 (A4), LittleB_62 (A4), LochMonster_63 (A4), Lorenzo_62 (A4), Lunsford_63 (A4), MA5_65 (A3), MK4_65 (A3), Marchesa_63 (A3), Margo_64 (A3), Maxo_63 (A4), Mazhar510_62 (A4), MeeZee_61 (A4), Melvin_64 (A4), Miramae_59 (A4), Morpher26_60 (A4), Morrow_63 (A4), Mundrea_60 (A4), Nebs_63 (A4), Nemo27_61 (A4), Noella_64 (A3), Noelle_61 (A4), Norbert_61 (A3), NorthStar_60 (A4), NotAPhaseMom_61 (A4), OKaNui_62 (A4), Obama12_63 (A4), Ohfah_63 (A4), Panamaxus_62 (A3), Peaches_60 (A4), Perplexer_60 (A4), PeterPeter_62 (A4), PetiteSangsue_60 (A4), Phantastic_66 (A3), Phelipe_63 (A4), Phontbonne_62 (A4), Pipcraft_59 (A4), Pistachio_65 (A3), Pocahontas_64 (A3), Polymorphads_63 (A4), Popcicle_64 (A3), Pumbaa_62 (A4), Puppy_65 (A3), QuinnKiro_63 (A3), Relief_61 (A4), ResDef_63 (A3), Rockstar_63

(A3), Romney_61 (A4), Roosevelt_60 (A4), Rosa24_60 (A4), Ruin_62 (A4), SaturnRing_65 (A3), Scamp_62 (A4), Scout_64 (A3), SheldonCooper_62 (A4), Shygu2_60 (A4), Skipitt_61 (A4), Sparxx_63 (A4), Spino_61 (A4), Stasia_60 (A4), Stink_59 (A4), TNguyen7_66 (A3), Taquarus_61 (A4), Texage_62 (A3), Tinybot_61 (A4), TiroTheta9_61 (A4), Todacoro_64 (A3), TroyPia_63 (A4), TygerBlood_62 (A4), Ulysses_61 (A4), Veracruz_62 (A3), Wilbur_62 (A4), Wile_60 (A4), Wizard007_61 (A4), Xena_59 (A4), YoSam321_62 (A4),

Start 67:

- Found in 5 of 828 (0.6%) of genes in pham
- Manual Annotations of this start: 4 of 748
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Breezona_99 (L2), Bromden_100 (L4), Miley16_99 (L2), Winky_99 (L2),

Start 68:

- Found in 5 of 828 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 40.0% of time when present
- Phage (with cluster) where this start called: DyoEdafos_103 (L4), Quby_100 (L4),

Start 69:

- Found in 43 of 828 (5.2%) of genes in pham
- Manual Annotations of this start: 27 of 748
- Called 93.0% of time when present
- Phage (with cluster) where this start called: Archie_96 (L2), Baoshan_96 (L2), Bazzle_96 (L2), BigCheese_99 (L2), BobsGarage_98 (L2), BrainDrainer_101 (L4), Chaser_99 (L4), Claus_99 (L2), Crossroads_99 (L2), DHan_102 (L2), DanBing_98 (L2), Douge_100 (L4), Douzhi_100 (L4), DrSeegs_98 (L2), Faith1_99 (L2), FarmResident_101 (L4), Finemlucis_100 (L2), Gabriela_99 (L2), Gardann_99 (L2), GuuelaD_96 (L2), Hafay_100 (L2), Itos_99 (L2), Kahlid_98 (L2), Lewan_100 (L2), LilDestine_97 (L2), Loadrie_98 (L2), MkaliMitinis3_101 (L2), Netyap_98 (L2), Nicholasp3_99 (L2), PYPDinur_100 (L4), Rumpelstiltskin_95 (L2), Sarshaun_100 (L2), Sheng711_101 (L4), Soap141_99 (L2), Tourach_100 (L2), Vetrix_97 (L2), Wigglewiggles_99 (L2), Wilder_100 (L2), Zakai_100 (L2), ZhongYanYuan_96 (L2),

Start 73:

- Found in 1 of 828 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MyraDee_64 (A18),

Start 77:

- Found in 17 of 828 (2.1%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 5.9% of time when present
- Phage (with cluster) where this start called: MiniMac_101 (L3),

Start 78:

- Found in 48 of 828 (5.8%) of genes in pham
- Manual Annotations of this start: 46 of 748
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Alsfro_63 (A1), Anglerfish_59 (A1), Beatrix_58 (A1), Bethlehem_58 (A1), Bexan_56 (A1), Bones_58 (A1), Carlyle_57 (A1), Corvo_59 (A1), Cueyllyss_59 (A1), DD5_57 (A1), Doom_56 (A1), Dynamix_60 (A1), Euphoria_56 (A1), Froghopper_55 (A1), GageAP_59 (A1), Graduation_62 (A1), Homines_50 (A1), Ichabod_62 (A1), KSSJEB_58 (A1), KyMonks1A_61 (A1), LilBib_58 (A1), Lockley_56 (A1), Makemake_59 (A1), Manatee_59 (A1), MaryBeth_57 (A1), MetalQZJ_56 (A1), Norz_59 (A1), Ohno789_59 (A1), PSullivan_58 (A1), Paraselene_56 (A1), Pari_61 (A1), Pepe_55 (A1), Pita2_61 (A1), ProMouse_58 (A1), QTRlifeCrisis_58 (A1), STLscum_61 (A1), Sandaddy_55 (A1), SarFire_55 (A1), Scowl_59 (A1), SkiPole_63 (A1), Sorpresa_56 (A1), SpikeBT_57 (A1), StrongArm_57 (A1), Sunshine924_60 (A1), Switzer_59 (A1), Thor_55 (A1), Turj99_56 (A1), U2_57 (A1),

Start 80:

- Found in 44 of 828 (5.3%) of genes in pham
- Manual Annotations of this start: 4 of 748
- Called 9.1% of time when present
- Phage (with cluster) where this start called: BillKnuckles_56 (A1), Licorice_60 (A1), Seanderson_58 (A1), Traft412_61 (A1),

Start 81:

- Found in 4 of 828 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 748
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Atkinbua_62 (A1), Pinto_59 (A1), Rubeus_58 (A1),

Start 83:

- Found in 8 of 828 (1.0%) of genes in pham
- Manual Annotations of this start: 8 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aegeus_107 (L5), Ashballer_61 (A1), Baudelaire_107 (L5), Dulcie_58 (A1), Gwendoluna_61 (A1), JC27_61 (A1), Pelly_58 (A1), Ruotula_61 (A1),

Start 84:

- Found in 167 of 828 (20.2%) of genes in pham
- Manual Annotations of this start: 146 of 748
- Called 92.8% of time when present
- Phage (with cluster) where this start called: A6_52 (A1), AFIS_55 (A1), Abbyshoes_61 (A1), Abrogate_570 (A1), Acme_59 (A1), Adahisdi_58 (A1), Aeneas_61 (A1), Agaliana_53 (A1), Ajay_59 (A1), Altman_61 (A1), Alvin_57 (A1), Applejack_53 (A1), Arcanine_60 (A1), Arlo_56 (A1), BK1_52 (A1), BPBiebs31_60 (A1), BaconJack_63 (A1), Barriga_59 (A1), BeesKnees_61 (A1), Big3_57 (A1), BigMau_60 (A1), BigPaolini_57 (A1), Bigfoot_52 (A1), Bircsak_57 (A1), BluSpix_56 (A1), Blue_57 (A1), Bob3_57 (A1), Briton15_62 (A1), Bruns_57 (A1), Burton_58 (A1), Buttons_56 (A1), Bxb1_53 (A1), CactusRose_56 (A1), Chanagan_54 (A1), Ciao_57 (A1), Conceptll_61 (A1), Crispicous1_55 (A1), Dexes_58 (A1), DrFeelGood_56 (A1), DreamCatcher_62 (A1), Dussy_60 (A1), Edtherson_57 (A1), Espresso_57 (A1), Eyeball_59 (A1), Fajezeel_59 (A1), Fascinus_54 (A1), Fenn_61 (A1), Forsytheast_57 (A1), Francis47_57 (A1), Fushigi_55 (A1), GMonster_54 (A1), Gandalf20_61 (A1), Gompeii16_57 (A1), GrecoEtereo_58 (A1), Greg_59 (A1), Gyzlar_54 (A1), Hami1_53 (A1), HanShotFirst_59 (A1), HarryOW_57 (A1), Hermia_58 (A1),

HermioneGrange_59 (A1), Hope4ever_60 (A1), ILeeKay_61 (A1), IgnatiusPatJac_58 (A1), Inyanga_53 (A1), JackSparrow_61 (A1), Jerm2_59 (A1), Jorgensen_59 (A1), JuliaChild_59 (A1), KBG_59 (A1), Kanely_60 (A1), Kenmech_63 (A1), Killigrew_58 (A1), Kugel_58 (A1), Kykar_58 (A1), Lamina13_60 (A1), Lesedi_54 (A1), Lopton_58 (A1), MPlant7149_57 (A1), Magnar_56 (A1), Magnito_57 (A1), Marcell_55 (A1), Marchy_53 (A1), Marge_57 (A1), Maroc7_56 (A1), Marsha_57 (A1), McGuire_60 (A1), Michley_58 (A1), Mkhuseleli_56 (A1), Molly_59 (A1), Monet_61 (A1), Moose_57 (A1), MrGordo_58 (A1), Mryolo_55 (A1), Mule_56 (A1), Museum_59 (A1), NEHalo_56 (A1), Naira_61 (A1), Nerujay_60 (A1), Nhonho_57 (A1), Niza_60 (A1), Oogway_57 (A1), PacerPaul_58 (A1), Papez_61 (A1), Paphu_57 (A1), Parliament_58 (A1), PascalRango_58 (A1), PattyP_60 (A1), Payneful_58 (A1), Perseus_58 (A1), Peterson_62 (A1), Petp2012_59 (A1), Petruccio_57 (A1), PhrostyMug_58 (A1), PinkPlastic_58 (A1), Pippin_59 (A1), Rajelicia_59 (A1), Rhynn_56 (A1), RidgeCB_58 (A1), Ringer_58 (A1), Rohr_59 (A1), Rufus_59 (A1), Rutherford_59 (A1), Sagefire_60 (A1), Sanya_54 (A1), Seabiscuit_62 (A1), ShortQueendom_51 (A1), Sibs6_60 (A1), Slagathor_60 (A1), Smairt_61 (A1), Smeagol_60 (A1), Snazzy_57 (A1), Solon_56 (A1), Squee_59 (A1), StewieG_55 (A1), Sumter_54 (A1), SwissCheese_59 (A1), Swole_58 (A1), Target_59 (A1), Tasp14_61 (A1), Teodoridan_56 (A1), TheloniousMonk_59 (A1), Topgun_57 (A1), Tote_54 (A1), Treddle_59 (A1), Trip13t_60 (A1), Trouble_60 (A1), TwoPeat_60 (A1), Violet_56 (A1), Watermelon_59 (A1), Wheeler_58 (A1), Wilkins_57 (A1), Zeeculate_56 (A1), Zephyr_59 (A1), Zeuska_57 (A1),

Start 85:

- Found in 60 of 828 (7.2%) of genes in pham
- Manual Annotations of this start: 15 of 748
- Called 35.0% of time when present
- Phage (with cluster) where this start called: Bellis_94 (L3), BourbonZero_97 (L3), Clautastrophe_94 (L3), DuncansLeg_97 (L3), Ellson_95 (L3), Finnry_96 (L3), Jobypre_97 (L3), Jubie_95 (L3), Kingsolomon_94 (L3), KirDoubleO7_94 (L3), Krypton555_99 (L3), LiyuLake_95 (L3), Lolly9_96 (L3), Lumos_96 (L3), MiniLon_101 (L3), Moostard_93 (L3), MsGreen_96 (L3), Nicholas_94 (L3), Samty_95 (L3), Snenia_95 (L3), Whirlwind_98 (L3),

Summary by clusters:

There are 23 clusters represented in this pham: A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A, L4, L5, L2, L3, A21,

Info for manual annotations of cluster A:

- Start number 49 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A1:

- Start number 78 was manually annotated 46 times for cluster A1.
- Start number 80 was manually annotated 4 times for cluster A1.
- Start number 81 was manually annotated 3 times for cluster A1.
- Start number 83 was manually annotated 6 times for cluster A1.
- Start number 84 was manually annotated 146 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 47 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 49 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 49 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 49 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A16:

- Start number 47 was manually annotated 2 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 73 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 47 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 29 was manually annotated 1 time for cluster A2.
- Start number 36 was manually annotated 1 time for cluster A2.
- Start number 37 was manually annotated 1 time for cluster A2.
- Start number 45 was manually annotated 1 time for cluster A2.
- Start number 46 was manually annotated 1 time for cluster A2.
- Start number 47 was manually annotated 30 times for cluster A2.
- Start number 49 was manually annotated 66 times for cluster A2.

Info for manual annotations of cluster A3:

- Start number 37 was manually annotated 13 times for cluster A3.
- Start number 49 was manually annotated 51 times for cluster A3.
- Start number 50 was manually annotated 16 times for cluster A3.
- Start number 52 was manually annotated 32 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 36 was manually annotated 21 times for cluster A4.
- Start number 37 was manually annotated 10 times for cluster A4.
- Start number 52 was manually annotated 106 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 41 was manually annotated 6 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 37 was manually annotated 2 times for cluster A6.
- Start number 49 was manually annotated 40 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 37 was manually annotated 1 time for cluster A7.
- Start number 43 was manually annotated 1 time for cluster A7.
- Start number 46 was manually annotated 2 times for cluster A7.
- Start number 47 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A9:

- Start number 47 was manually annotated 1 time for cluster A9.
- Start number 49 was manually annotated 34 times for cluster A9.

Info for manual annotations of cluster L2:

- Start number 67 was manually annotated 3 times for cluster L2.
- Start number 69 was manually annotated 25 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 77 was manually annotated 1 time for cluster L3.
- Start number 85 was manually annotated 15 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 67 was manually annotated 1 time for cluster L4.
- Start number 68 was manually annotated 1 time for cluster L4.
- Start number 69 was manually annotated 2 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 83 was manually annotated 2 times for cluster L5.

Gene Information:

Gene: 20ES_68 Start: 41417, Stop: 41187, Start Num: 49

Candidate Starts for 20ES_68:

(Start: 49 @41417 has 225 MA's), (57, 41399), (105, 41270), (116, 41231),

Gene: 40AC_66 Start: 42289, Stop: 42059, Start Num: 47

Candidate Starts for 40AC_66:

(Start: 47 @42289 has 52 MA's), (56, 42277), (57, 42274), (64, 42241), (86, 42187), (100, 42157),

Gene: A6_52 Start: 38092, Stop: 37958, Start Num: 84

Candidate Starts for A6_52:

(Start: 84 @38092 has 146 MA's), (118, 37990),

Gene: ACFishhook_66 Start: 41128, Stop: 40898, Start Num: 50

Candidate Starts for ACFishhook_66:

(Start: 50 @41128 has 16 MA's), (105, 40984), (116, 40945),

Gene: AFIS_55 Start: 38799, Stop: 38665, Start Num: 84

Candidate Starts for AFIS_55:

(Start: 84 @38799 has 146 MA's), (118, 38697),

Gene: AN3_68 Start: 40132, Stop: 39902, Start Num: 49

Candidate Starts for AN3_68:

(Start: 49 @40132 has 225 MA's), (57, 40114), (105, 39985), (116, 39946),

Gene: AN9_70 Start: 41277, Stop: 41041, Start Num: 47

Candidate Starts for AN9_70:

(Start: 37 @41304 has 27 MA's), (Start: 47 @41277 has 52 MA's), (57, 41259), (64, 41226), (99, 41139),

Gene: ANI8_70 Start: 41277, Stop: 41041, Start Num: 47

Candidate Starts for ANI8_70:

(Start: 37 @41304 has 27 MA's), (Start: 47 @41277 has 52 MA's), (57, 41259), (64, 41226), (99, 41139),

Gene: AbbyPaige_68 Start: 41661, Stop: 41431, Start Num: 49

Candidate Starts for AbbyPaige_68:

(6, 41910), (31, 41715), (33, 41709), (Start: 49 @41661 has 225 MA's), (57, 41643), (105, 41514), (116, 41475),

Gene: AbbysRanger_60 Start: 40318, Stop: 40094, Start Num: 52

Candidate Starts for AbbysRanger_60:

(Start: 36 @40360 has 22 MA's), (Start: 37 @40348 has 27 MA's), (Start: 52 @40318 has 138 MA's), (115, 40153), (116, 40141),

Gene: Abbysshoes_61 Start: 40860, Stop: 40726, Start Num: 84

Candidate Starts for Abbysshoes_61:

(Start: 84 @40860 has 146 MA's), (118, 40758),

Gene: Abdiel_62 Start: 40510, Stop: 40244, Start Num: 36

Candidate Starts for Abdiel_62:

(Start: 36 @40510 has 22 MA's), (Start: 37 @40498 has 27 MA's), (Start: 52 @40468 has 138 MA's), (60, 40447), (116, 40291), (124, 40252),

Gene: Abrogate_570 Start: 40665, Stop: 40531, Start Num: 84

Candidate Starts for Abrogate_570:

(Start: 84 @40665 has 146 MA's), (118, 40563),

Gene: Achebe_59 Start: 40343, Stop: 40077, Start Num: 36

Candidate Starts for Achebe_59:

(Start: 36 @40343 has 22 MA's), (Start: 37 @40331 has 27 MA's), (Start: 52 @40301 has 138 MA's), (115, 40136), (116, 40124),

Gene: Acme_59 Start: 39262, Stop: 39128, Start Num: 84

Candidate Starts for Acme_59:

(Start: 84 @39262 has 146 MA's), (118, 39160),

Gene: Acolyte_59 Start: 40074, Stop: 39841, Start Num: 49

Candidate Starts for Acolyte_59:

(Start: 49 @40074 has 225 MA's), (57, 40056), (99, 39942), (105, 39927), (121, 39864), (124, 39849),

Gene: Adahisdi_58 Start: 40395, Stop: 40261, Start Num: 84

Candidate Starts for Adahisdi_58:

(Start: 84 @40395 has 146 MA's), (118, 40293),

Gene: Adzzy_69 Start: 39937, Stop: 39698, Start Num: 47

Candidate Starts for Adzzy_69:

(Start: 47 @39937 has 52 MA's), (57, 39919), (64, 39886), (99, 39799), (112, 39766), (124, 39706),

Gene: Aegeus_107 Start: 62949, Stop: 63086, Start Num: 83

Candidate Starts for Aegeus_107:

(79, 62946), (Start: 83 @62949 has 8 MA's), (92, 62976), (96, 62991), (98, 62994), (108, 63009), (116, 63039), (121, 63063), (122, 63066),

Gene: Aeneas_61 Start: 41102, Stop: 40968, Start Num: 84

Candidate Starts for Aeneas_61:

(Start: 84 @41102 has 146 MA's), (118, 41000),

Gene: Agaliana_53 Start: 37073, Stop: 36939, Start Num: 84

Candidate Starts for Agaliana_53:

(Start: 84 @37073 has 146 MA's), (118, 36971),

Gene: Agape74_68 Start: 41655, Stop: 41425, Start Num: 49

Candidate Starts for Agape74_68:

(6, 41904), (31, 41709), (33, 41703), (Start: 49 @41655 has 225 MA's), (57, 41637), (105, 41508), (116, 41469),

Gene: Aglet_69 Start: 41171, Stop: 40941, Start Num: 49

Candidate Starts for Aglet_69:

(Start: 37 @41198 has 27 MA's), (Start: 49 @41171 has 225 MA's), (99, 41042), (116, 40988),

Gene: AgronaGT15_67 Start: 41019, Stop: 40789, Start Num: 49

Candidate Starts for AgronaGT15_67:

(Start: 37 @41046 has 27 MA's), (Start: 49 @41019 has 225 MA's), (99, 40890), (116, 40836),

Gene: Airmid_58 Start: 39243, Stop: 38977, Start Num: 41

Candidate Starts for Airmid_58:

(Start: 41 @39243 has 6 MA's), (51, 39219), (55, 39210), (116, 39024),

Gene: Ajay_59 Start: 40476, Stop: 40342, Start Num: 84

Candidate Starts for Ajay_59:

(Start: 84 @40476 has 146 MA's), (118, 40374),

Gene: Albee_62 Start: 40464, Stop: 40240, Start Num: 52

Candidate Starts for Albee_62:

(Start: 36 @40506 has 22 MA's), (Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's), (60, 40443), (116, 40287), (124, 40248),

Gene: Alberto7_63 Start: 40801, Stop: 40577, Start Num: 52

Candidate Starts for Alberto7_63:

(Start: 36 @40843 has 22 MA's), (Start: 37 @40831 has 27 MA's), (Start: 52 @40801 has 138 MA's), (60, 40780), (116, 40624), (124, 40585),

Gene: Aliter_69 Start: 40655, Stop: 40506, Start Num: 49

Candidate Starts for Aliter_69:

(Start: 49 @40655 has 225 MA's), (57, 40637), (70, 40589),

Gene: Alma_66 Start: 40634, Stop: 40401, Start Num: 49

Candidate Starts for Alma_66:

(Start: 49 @40634 has 225 MA's), (57, 40616), (86, 40529), (99, 40502), (117, 40439), (121, 40424),

Gene: Alsfro_63 Start: 40052, Stop: 39909, Start Num: 78

Candidate Starts for Alsfro_63:

(Start: 78 @40052 has 46 MA's),

Gene: Altman_61 Start: 40582, Stop: 40448, Start Num: 84

Candidate Starts for Altman_61:
(Start: 84 @40582 has 146 MA's), (118, 40480),

Gene: Alvin_57 Start: 39789, Stop: 39655, Start Num: 84
Candidate Starts for Alvin_57:
(Start: 84 @39789 has 146 MA's),

Gene: Aneem_67 Start: 40626, Stop: 40393, Start Num: 49
Candidate Starts for Aneem_67:
(Start: 49 @40626 has 225 MA's), (57, 40608), (87, 40524), (110, 40464), (112, 40458),

Gene: Anglerfish_59 Start: 40711, Stop: 40568, Start Num: 78
Candidate Starts for Anglerfish_59:
(Start: 78 @40711 has 46 MA's),

Gene: AnnaL29_67 Start: 42021, Stop: 41788, Start Num: 49
Candidate Starts for AnnaL29_67:
(Start: 37 @42051 has 27 MA's), (Start: 49 @42021 has 225 MA's), (57, 42003), (99, 41889), (105, 41874),

Gene: Annyong_61 Start: 40509, Stop: 40285, Start Num: 52
Candidate Starts for Annyong_61:
(Start: 36 @40551 has 22 MA's), (Start: 37 @40539 has 27 MA's), (Start: 52 @40509 has 138 MA's), (60, 40488), (116, 40332), (124, 40293),

Gene: Anselm_67 Start: 41559, Stop: 41329, Start Num: 49
Candidate Starts for Anselm_67:
(24, 41646), (Start: 37 @41592 has 27 MA's), (Start: 49 @41559 has 225 MA's), (57, 41541), (61, 41523), (116, 41373),

Gene: Anubis_71 Start: 41084, Stop: 40827, Start Num: 37
Candidate Starts for Anubis_71:
(Start: 37 @41084 has 27 MA's), (Start: 49 @41057 has 225 MA's), (99, 40928), (116, 40874),

Gene: Applejack_53 Start: 36632, Stop: 36498, Start Num: 84
Candidate Starts for Applejack_53:
(Start: 84 @36632 has 146 MA's), (118, 36530),

Gene: Arcanine_60 Start: 40322, Stop: 40188, Start Num: 84
Candidate Starts for Arcanine_60:
(Start: 84 @40322 has 146 MA's), (118, 40220),

Gene: ArcherNM_60 Start: 40803, Stop: 40570, Start Num: 49
Candidate Starts for ArcherNM_60:
(Start: 37 @40833 has 27 MA's), (Start: 49 @40803 has 225 MA's), (57, 40785), (64, 40752), (105, 40656), (121, 40593),

Gene: Archie_96 Start: 60983, Stop: 61165, Start Num: 69
Candidate Starts for Archie_96:
(Start: 69 @60983 has 27 MA's), (Start: 80 @61019 has 4 MA's), (Start: 85 @61025 has 15 MA's), (93, 61052), (101, 61076), (115, 61106), (116, 61118), (118, 61133),

Gene: Arissanae_65 Start: 40920, Stop: 40774, Start Num: 49

Candidate Starts for Arissanae_65:
(Start: 49 @40920 has 225 MA's), (57, 40902), (70, 40854), (92, 40794),

Gene: Arlo_56 Start: 38792, Stop: 38658, Start Num: 84
Candidate Starts for Arlo_56:
(Start: 84 @38792 has 146 MA's), (118, 38690),

Gene: Artemis2UCLA_67 Start: 39185, Stop: 38952, Start Num: 49
Candidate Starts for Artemis2UCLA_67:
(Start: 37 @39215 has 27 MA's), (Start: 49 @39185 has 225 MA's), (57, 39167), (62, 39146), (70, 39119), (99, 39053), (110, 39026), (116, 38999), (124, 38960),

Gene: Arturo_60 Start: 40579, Stop: 40355, Start Num: 52
Candidate Starts for Arturo_60:
(Start: 36 @40621 has 22 MA's), (Start: 37 @40609 has 27 MA's), (Start: 52 @40579 has 138 MA's), (60, 40558), (116, 40402), (124, 40363),

Gene: Ashballer_61 Start: 40810, Stop: 40559, Start Num: 83
Candidate Starts for Ashballer_61:
(Start: 80 @40813 has 4 MA's), (Start: 83 @40810 has 8 MA's), (102, 40759), (109, 40741), (119, 40696),

Gene: Atkinbua_62 Start: 40268, Stop: 40131, Start Num: 81
Candidate Starts for Atkinbua_62:
(Start: 81 @40268 has 3 MA's), (Start: 84 @40265 has 146 MA's), (118, 40163),

Gene: AugsMagnumOpus_71 Start: 41162, Stop: 40932, Start Num: 49
Candidate Starts for AugsMagnumOpus_71:
(Start: 37 @41189 has 27 MA's), (Start: 49 @41162 has 225 MA's), (99, 41033), (116, 40979),

Gene: AvatarAhPeg_59 Start: 40091, Stop: 39867, Start Num: 52
Candidate Starts for AvatarAhPeg_59:
(Start: 36 @40133 has 22 MA's), (Start: 37 @40121 has 27 MA's), (Start: 52 @40091 has 138 MA's), (60, 40070),

Gene: Avle17_62 Start: 40491, Stop: 40237, Start Num: 37
Candidate Starts for Avle17_62:
(Start: 36 @40503 has 22 MA's), (Start: 37 @40491 has 27 MA's), (Start: 52 @40461 has 138 MA's), (60, 40440), (116, 40284), (124, 40245),

Gene: B1_57 Start: 39044, Stop: 38814, Start Num: 52
Candidate Starts for B1_57:
(34, 39086), (Start: 37 @39074 has 27 MA's), (Start: 52 @39044 has 138 MA's), (82, 38954),

Gene: BABullseye_59 Start: 36740, Stop: 36507, Start Num: 49
Candidate Starts for BABullseye_59:
(Start: 49 @36740 has 225 MA's), (57, 36722), (62, 36701), (70, 36674), (74, 36659), (99, 36608), (105, 36593),

Gene: BK1_52 Start: 38092, Stop: 37958, Start Num: 84
Candidate Starts for BK1_52:
(Start: 84 @38092 has 146 MA's), (118, 37990),

Gene: BPBiabs31_60 Start: 40754, Stop: 40620, Start Num: 84
Candidate Starts for BPBiabs31_60:
(Start: 84 @40754 has 146 MA's), (118, 40652),

Gene: Baby16_62 Start: 40475, Stop: 40251, Start Num: 52
Candidate Starts for Baby16_62:
(Start: 36 @40517 has 22 MA's), (Start: 37 @40505 has 27 MA's), (Start: 52 @40475 has 138 MA's),
(60, 40454), (116, 40298), (124, 40259),

Gene: BabyBack_63 Start: 41397, Stop: 41167, Start Num: 46
Candidate Starts for BabyBack_63:
(Start: 46 @41397 has 3 MA's), (57, 41376), (100, 41262),

Gene: BabyJohn_60 Start: 40871, Stop: 40641, Start Num: 52
Candidate Starts for BabyJohn_60:
(34, 40913), (Start: 37 @40901 has 27 MA's), (Start: 52 @40871 has 138 MA's), (105, 40727),

Gene: BabyRay_65 Start: 40849, Stop: 40619, Start Num: 52
Candidate Starts for BabyRay_65:
(34, 40891), (Start: 37 @40879 has 27 MA's), (Start: 52 @40849 has 138 MA's), (105, 40705), (118,
40651),

Gene: Bachome_68 Start: 40606, Stop: 40373, Start Num: 49
Candidate Starts for Bachome_68:
(Start: 37 @40648 has 27 MA's), (Start: 49 @40606 has 225 MA's), (57, 40588), (87, 40504), (110,
40444), (112, 40438),

Gene: Backyardigan_58 Start: 40334, Stop: 40110, Start Num: 52
Candidate Starts for Backyardigan_58:
(Start: 36 @40376 has 22 MA's), (Start: 37 @40364 has 27 MA's), (Start: 52 @40334 has 138 MA's),
(115, 40169), (116, 40157),

Gene: BaconJack_63 Start: 41853, Stop: 41719, Start Num: 84
Candidate Starts for BaconJack_63:
(Start: 84 @41853 has 146 MA's), (118, 41751),

Gene: Bactobuster_62 Start: 41701, Stop: 41465, Start Num: 47
Candidate Starts for Bactobuster_62:
(Start: 36 @41740 has 22 MA's), (Start: 37 @41728 has 27 MA's), (Start: 47 @41701 has 52 MA's),
(57, 41680), (121, 41488), (124, 41473),

Gene: Badger_59 Start: 40302, Stop: 40078, Start Num: 52
Candidate Starts for Badger_59:
(Start: 36 @40344 has 22 MA's), (Start: 37 @40332 has 27 MA's), (Start: 52 @40302 has 138 MA's),
(115, 40137), (116, 40125),

Gene: Baehexic_64 Start: 40861, Stop: 40631, Start Num: 49
Candidate Starts for Baehexic_64:
(Start: 49 @40861 has 225 MA's), (57, 40843), (61, 40825), (70, 40795), (116, 40678), (121, 40654),

Gene: BangNhom_61 Start: 40867, Stop: 40643, Start Num: 52
Candidate Starts for BangNhom_61:

(Start: 36 @40909 has 22 MA's), (Start: 37 @40897 has 27 MA's), (Start: 52 @40867 has 138 MA's), (60, 40846), (116, 40690), (124, 40651),

Gene: Baoshan_96 Start: 61599, Stop: 61781, Start Num: 69

Candidate Starts for Baoshan_96:

(Start: 69 @61599 has 27 MA's), (72, 61608), (Start: 77 @61626 has 1 MA's), (Start: 80 @61635 has 4 MA's), (93, 61668), (101, 61692), (115, 61722), (116, 61734), (118, 61749),

Gene: Barriga_59 Start: 38979, Stop: 38845, Start Num: 84

Candidate Starts for Barriga_59:

(Start: 84 @38979 has 146 MA's),

Gene: Bartimeaus_62 Start: 40466, Stop: 40242, Start Num: 52

Candidate Starts for Bartimeaus_62:

(Start: 36 @40508 has 22 MA's), (Start: 37 @40496 has 27 MA's), (Start: 52 @40466 has 138 MA's), (60, 40445), (116, 40289), (124, 40250),

Gene: Baudelaire_107 Start: 62949, Stop: 63086, Start Num: 83

Candidate Starts for Baudelaire_107:

(79, 62946), (Start: 83 @62949 has 8 MA's), (92, 62976), (96, 62991), (98, 62994), (108, 63009), (116, 63039), (121, 63063), (122, 63066),

Gene: Bazzle_96 Start: 61539, Stop: 61721, Start Num: 69

Candidate Starts for Bazzle_96:

(Start: 69 @61539 has 27 MA's), (Start: 80 @61575 has 4 MA's), (Start: 85 @61581 has 15 MA's), (93, 61608), (101, 61632), (115, 61662), (116, 61674), (118, 61689),

Gene: Beatrix_58 Start: 40913, Stop: 40653, Start Num: 78

Candidate Starts for Beatrix_58:

(Start: 78 @40913 has 46 MA's), (113, 40826), (127, 40724),

Gene: Beauxregard13_67 Start: 41174, Stop: 40944, Start Num: 49

Candidate Starts for Beauxregard13_67:

(Start: 37 @41201 has 27 MA's), (Start: 49 @41174 has 225 MA's), (99, 41045), (116, 40991),

Gene: Beemo_69 Start: 40825, Stop: 40676, Start Num: 49

Candidate Starts for Beemo_69:

(Start: 49 @40825 has 225 MA's), (57, 40807), (70, 40759),

Gene: BeesKnees_61 Start: 39847, Stop: 39713, Start Num: 84

Candidate Starts for BeesKnees_61:

(Start: 84 @39847 has 146 MA's), (118, 39745),

Gene: Bellis_94 Start: 61101, Stop: 61235, Start Num: 85

Candidate Starts for Bellis_94:

(Start: 85 @61101 has 15 MA's), (95, 61137), (96, 61140), (104, 61152), (118, 61203),

Gene: BellusTerra_63 Start: 40468, Stop: 40244, Start Num: 52

Candidate Starts for BellusTerra_63:

(Start: 36 @40510 has 22 MA's), (Start: 37 @40498 has 27 MA's), (Start: 52 @40468 has 138 MA's), (60, 40447), (116, 40291), (124, 40252),

Gene: Benedict_61 Start: 39533, Stop: 39267, Start Num: 41

Candidate Starts for Benedict_61:

(Start: 41 @39533 has 6 MA's), (55, 39500), (116, 39314),

Gene: BengiVuitton_66 Start: 41394, Stop: 41164, Start Num: 49

Candidate Starts for BengiVuitton_66:

(Start: 49 @41394 has 225 MA's), (57, 41376), (105, 41247), (116, 41208),

Gene: Benvolio_63 Start: 40669, Stop: 40436, Start Num: 49

Candidate Starts for Benvolio_63:

(Start: 49 @40669 has 225 MA's), (57, 40651), (105, 40522), (116, 40483),

Gene: Bethlehem_58 Start: 41462, Stop: 41202, Start Num: 78

Candidate Starts for Bethlehem_58:

(Start: 78 @41462 has 46 MA's), (113, 41375), (127, 41273),

Gene: Bexan_56 Start: 40692, Stop: 40432, Start Num: 78

Candidate Starts for Bexan_56:

(Start: 78 @40692 has 46 MA's), (113, 40605), (127, 40503),

Gene: BiancaTri92_67 Start: 41939, Stop: 41709, Start Num: 49

Candidate Starts for BiancaTri92_67:

(Start: 37 @41969 has 27 MA's), (Start: 49 @41939 has 225 MA's), (57, 41921), (116, 41756), (121, 41732),

Gene: Big3_57 Start: 40553, Stop: 40419, Start Num: 84

Candidate Starts for Big3_57:

(Start: 84 @40553 has 146 MA's), (118, 40451),

Gene: BigCheese_99 Start: 61757, Stop: 61939, Start Num: 69

Candidate Starts for BigCheese_99:

(Start: 69 @61757 has 27 MA's), (Start: 80 @61793 has 4 MA's), (Start: 85 @61799 has 15 MA's), (93, 61826), (94, 61832), (101, 61850), (115, 61880), (116, 61892),

Gene: BigMau_60 Start: 39207, Stop: 39073, Start Num: 84

Candidate Starts for BigMau_60:

(Start: 84 @39207 has 146 MA's), (118, 39105),

Gene: BigPaolini_57 Start: 38390, Stop: 38256, Start Num: 84

Candidate Starts for BigPaolini_57:

(Start: 84 @38390 has 146 MA's), (118, 38288),

Gene: Bigfoot_52 Start: 39345, Stop: 39211, Start Num: 84

Candidate Starts for Bigfoot_52:

(Start: 84 @39345 has 146 MA's), (118, 39243),

Gene: BillKnuckles_56 Start: 41364, Stop: 41107, Start Num: 80

Candidate Starts for BillKnuckles_56:

(Start: 80 @41364 has 4 MA's), (102, 41307), (109, 41289),

Gene: Bircsak_57 Start: 40580, Stop: 40446, Start Num: 84

Candidate Starts for Bircsak_57:

(Start: 84 @40580 has 146 MA's),

Gene: Blackmoor_61 Start: 40466, Stop: 40242, Start Num: 52
Candidate Starts for Blackmoor_61:
(Start: 36 @40508 has 22 MA's), (Start: 37 @40496 has 27 MA's), (Start: 52 @40466 has 138 MA's),
(60, 40445), (116, 40289), (124, 40250),

Gene: Blinn1_69 Start: 39269, Stop: 39036, Start Num: 49
Candidate Starts for Blinn1_69:
(Start: 49 @39269 has 225 MA's), (57, 39251), (62, 39230), (70, 39203), (74, 39188), (99, 39137),
(105, 39122),

Gene: BluSpix_56 Start: 35839, Stop: 35705, Start Num: 84
Candidate Starts for BluSpix_56:
(Start: 84 @35839 has 146 MA's), (118, 35737),

Gene: Blue_57 Start: 40422, Stop: 40288, Start Num: 84
Candidate Starts for Blue_57:
(Start: 84 @40422 has 146 MA's), (118, 40320),

Gene: Blue7_68 Start: 39279, Stop: 39046, Start Num: 49
Candidate Starts for Blue7_68:
(Start: 37 @39309 has 27 MA's), (Start: 49 @39279 has 225 MA's), (57, 39261), (62, 39240), (70,
39213), (99, 39147), (110, 39120), (116, 39093), (124, 39054),

Gene: BlueBird_67 Start: 40896, Stop: 40666, Start Num: 52
Candidate Starts for BlueBird_67:
(34, 40938), (Start: 37 @40926 has 27 MA's), (Start: 52 @40896 has 138 MA's), (105, 40752), (106,
40749), (118, 40698),

Gene: Bob3_57 Start: 38473, Stop: 38339, Start Num: 84
Candidate Starts for Bob3_57:
(Start: 84 @38473 has 146 MA's), (118, 38371),

Gene: BobSwaget_60 Start: 39664, Stop: 39434, Start Num: 49
Candidate Starts for BobSwaget_60:
(Start: 49 @39664 has 225 MA's), (57, 39646), (100, 39532), (116, 39481), (124, 39442),

Gene: BobsGarage_98 Start: 61757, Stop: 61939, Start Num: 69
Candidate Starts for BobsGarage_98:
(Start: 69 @61757 has 27 MA's), (Start: 80 @61793 has 4 MA's), (Start: 85 @61799 has 15 MA's),
(93, 61826), (94, 61832), (101, 61850), (115, 61880), (116, 61892),

Gene: BogosyJay_67 Start: 40706, Stop: 40473, Start Num: 49
Candidate Starts for BogosyJay_67:
(Start: 49 @40706 has 225 MA's), (57, 40688), (99, 40574), (121, 40496),

Gene: Bombshell_62 Start: 40503, Stop: 40237, Start Num: 36
Candidate Starts for Bombshell_62:
(Start: 36 @40503 has 22 MA's), (Start: 37 @40491 has 27 MA's), (Start: 52 @40461 has 138 MA's),
(60, 40440), (116, 40284), (124, 40245),

Gene: Bones_58 Start: 41008, Stop: 40748, Start Num: 78
Candidate Starts for Bones_58:
(Start: 78 @41008 has 46 MA's), (102, 40948), (109, 40930), (128, 40807),

Gene: BourbonZero_97 Start: 61299, Stop: 61433, Start Num: 85
Candidate Starts for BourbonZero_97:
(Start: 77 @61284 has 1 MA's), (Start: 85 @61299 has 15 MA's), (95, 61335), (96, 61338), (104, 61350), (118, 61401),

Gene: Bowtie_67 Start: 40633, Stop: 40400, Start Num: 49
Candidate Starts for Bowtie_67:
(Start: 49 @40633 has 225 MA's), (57, 40615), (87, 40531), (110, 40471), (112, 40465),

Gene: Bradman_68 Start: 40388, Stop: 40152, Start Num: 47
Candidate Starts for Bradman_68:
(27, 40448), (Start: 37 @40415 has 27 MA's), (Start: 47 @40388 has 52 MA's), (57, 40370), (64, 40337), (99, 40250),

Gene: BrainDrainer_101 Start: 61531, Stop: 61704, Start Num: 69
Candidate Starts for BrainDrainer_101:
(40, 61438), (44, 61453), (53, 61477), (58, 61489), (Start: 69 @61531 has 27 MA's), (76, 61555), (Start: 85 @61573 has 15 MA's), (90, 61585), (93, 61600), (94, 61606), (115, 61645), (118, 61672),

Gene: BreSam8_68 Start: 41191, Stop: 40934, Start Num: 37
Candidate Starts for BreSam8_68:
(Start: 37 @41191 has 27 MA's), (Start: 49 @41164 has 225 MA's), (99, 41035), (116, 40981),

Gene: Breezona_99 Start: 61842, Stop: 62027, Start Num: 67
Candidate Starts for Breezona_99:
(Start: 67 @61842 has 4 MA's), (Start: 69 @61845 has 27 MA's), (76, 61869), (Start: 80 @61881 has 4 MA's), (Start: 85 @61887 has 15 MA's), (101, 61938), (115, 61968), (116, 61980), (118, 61995),

Gene: Briton15_62 Start: 40265, Stop: 40131, Start Num: 84
Candidate Starts for Briton15_62:
(Start: 84 @40265 has 146 MA's), (118, 40163),

Gene: Bromden_100 Start: 62267, Stop: 62440, Start Num: 67
Candidate Starts for Bromden_100:
(Start: 67 @62267 has 4 MA's), (76, 62291), (Start: 85 @62309 has 15 MA's), (90, 62321), (93, 62336), (94, 62342), (115, 62381), (116, 62393), (118, 62408),

Gene: Broseidon_62 Start: 40466, Stop: 40242, Start Num: 52
Candidate Starts for Broseidon_62:
(Start: 36 @40508 has 22 MA's), (Start: 37 @40496 has 27 MA's), (Start: 52 @40466 has 138 MA's), (60, 40445), (116, 40289), (124, 40250),

Gene: Bruiser_61 Start: 40506, Stop: 40240, Start Num: 36
Candidate Starts for Bruiser_61:
(Start: 36 @40506 has 22 MA's), (Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's), (60, 40443), (116, 40287), (124, 40248),

Gene: Bruns_57 Start: 38964, Stop: 38830, Start Num: 84
Candidate Starts for Bruns_57:
(Start: 84 @38964 has 146 MA's), (118, 38862),

Gene: BubbleTrouble_61 Start: 40506, Stop: 40240, Start Num: 36

Candidate Starts for BubbleTrouble_61:

(Start: 36 @40506 has 22 MA's), (Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's), (60, 40443), (116, 40287), (124, 40248),

Gene: Bud_65 Start: 40180, Stop: 39947, Start Num: 49

Candidate Starts for Bud_65:

(Start: 49 @40180 has 225 MA's), (57, 40162), (87, 40078), (110, 40018), (112, 40012),

Gene: Bugatti_65 Start: 40896, Stop: 40666, Start Num: 52

Candidate Starts for Bugatti_65:

(34, 40938), (Start: 37 @40926 has 27 MA's), (Start: 52 @40896 has 138 MA's), (105, 40752), (106, 40749), (118, 40698),

Gene: Buggy_68 Start: 41712, Stop: 41482, Start Num: 49

Candidate Starts for Buggy_68:

(Start: 49 @41712 has 225 MA's), (57, 41694), (105, 41565), (116, 41526),

Gene: Bumblebee11_59 Start: 40304, Stop: 40080, Start Num: 52

Candidate Starts for Bumblebee11_59:

(Start: 36 @40346 has 22 MA's), (Start: 37 @40334 has 27 MA's), (Start: 52 @40304 has 138 MA's), (115, 40139), (116, 40127),

Gene: Burger_60 Start: 40464, Stop: 40240, Start Num: 52

Candidate Starts for Burger_60:

(Start: 36 @40506 has 22 MA's), (Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's), (60, 40443), (116, 40287), (124, 40248),

Gene: Burton_58 Start: 40146, Stop: 40012, Start Num: 84

Candidate Starts for Burton_58:

(Start: 84 @40146 has 146 MA's), (118, 40044),

Gene: Buttons_56 Start: 37913, Stop: 37779, Start Num: 84

Candidate Starts for Buttons_56:

(Start: 84 @37913 has 146 MA's), (118, 37811),

Gene: BuzzBuzz_64 Start: 41198, Stop: 40968, Start Num: 49

Candidate Starts for BuzzBuzz_64:

(Start: 37 @41225 has 27 MA's), (Start: 49 @41198 has 225 MA's), (99, 41069),

Gene: Bxb1_53 Start: 38664, Stop: 38530, Start Num: 84

Candidate Starts for Bxb1_53:

(Start: 84 @38664 has 146 MA's), (118, 38562),

Gene: Bxz2_63 Start: 41205, Stop: 40975, Start Num: 49

Candidate Starts for Bxz2_63:

(Start: 37 @41232 has 27 MA's), (Start: 49 @41205 has 225 MA's), (99, 41076), (116, 41022),

Gene: C3_63 Start: 41277, Stop: 41041, Start Num: 47

Candidate Starts for C3_63:

(Start: 37 @41304 has 27 MA's), (Start: 47 @41277 has 52 MA's), (57, 41259), (64, 41226), (99, 41139),

Gene: CRB1_68 Start: 41940, Stop: 41710, Start Num: 49

Candidate Starts for CRB1_68:
(Start: 49 @41940 has 225 MA's), (57, 41922), (105, 41793), (116, 41754),

Gene: CactusRose_56 Start: 39341, Stop: 39207, Start Num: 84
Candidate Starts for CactusRose_56:
(Start: 84 @39341 has 146 MA's), (118, 39239),

Gene: Caelakin_61 Start: 40464, Stop: 40240, Start Num: 52
Candidate Starts for Caelakin_61:
(Start: 36 @40506 has 22 MA's), (Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's),
(60, 40443), (116, 40287), (124, 40248),

Gene: Calvinny_67 Start: 41056, Stop: 40826, Start Num: 50
Candidate Starts for Calvinny_67:
(Start: 50 @41056 has 16 MA's), (105, 40912), (116, 40873),

Gene: Camperdownii_60 Start: 40180, Stop: 39914, Start Num: 36
Candidate Starts for Camperdownii_60:
(Start: 36 @40180 has 22 MA's), (Start: 37 @40168 has 27 MA's), (Start: 52 @40138 has 138 MA's),
(60, 40117), (116, 39961), (124, 39922),

Gene: Candra_64 Start: 39104, Stop: 38871, Start Num: 49
Candidate Starts for Candra_64:
(Start: 49 @39104 has 225 MA's), (57, 39086), (62, 39065), (70, 39038), (74, 39023), (99, 38972),
(105, 38957),

Gene: Caraxes_68 Start: 39685, Stop: 39446, Start Num: 47
Candidate Starts for Caraxes_68:
(Start: 47 @39685 has 52 MA's), (57, 39667), (62, 39646), (64, 39634), (99, 39547),

Gene: Carlyle_57 Start: 37358, Stop: 37215, Start Num: 78
Candidate Starts for Carlyle_57:
(Start: 78 @37358 has 46 MA's), (118, 37247),

Gene: Catalina_70 Start: 40728, Stop: 40579, Start Num: 49
Candidate Starts for Catalina_70:
(Start: 49 @40728 has 225 MA's), (57, 40710), (70, 40662),

Gene: Caviar_64 Start: 40846, Stop: 40643, Start Num: 52
Candidate Starts for Caviar_64:
(Start: 37 @40876 has 27 MA's), (Start: 52 @40846 has 138 MA's), (103, 40717), (124, 40651),

Gene: Centaur_66 Start: 41075, Stop: 40845, Start Num: 49
Candidate Starts for Centaur_66:
(Start: 49 @41075 has 225 MA's), (57, 41057), (61, 41039), (70, 41009), (116, 40892), (121, 40868),

Gene: CentreCat_62 Start: 40467, Stop: 40243, Start Num: 52
Candidate Starts for CentreCat_62:
(Start: 36 @40509 has 22 MA's), (Start: 37 @40497 has 27 MA's), (Start: 52 @40467 has 138 MA's),
(60, 40446), (116, 40290), (124, 40251),

Gene: Cerulean_63 Start: 40868, Stop: 40644, Start Num: 52
Candidate Starts for Cerulean_63:

(Start: 36 @40910 has 22 MA's), (Start: 37 @40898 has 27 MA's), (Start: 52 @40868 has 138 MA's), (60, 40847), (116, 40691), (124, 40652),

Gene: ChampagnePapi_64 Start: 40867, Stop: 40643, Start Num: 52

Candidate Starts for ChampagnePapi_64:

(Start: 36 @40909 has 22 MA's), (Start: 37 @40897 has 27 MA's), (Start: 52 @40867 has 138 MA's), (60, 40846), (116, 40690), (124, 40651),

Gene: Chanagan_54 Start: 37998, Stop: 37864, Start Num: 84

Candidate Starts for Chanagan_54:

(Start: 84 @37998 has 146 MA's), (118, 37896),

Gene: Changeling_65 Start: 41651, Stop: 41418, Start Num: 49

Candidate Starts for Changeling_65:

(Start: 49 @41651 has 225 MA's), (57, 41633), (64, 41600), (105, 41504), (121, 41441), (124, 41426),

Gene: Chaph_62 Start: 40475, Stop: 40251, Start Num: 52

Candidate Starts for Chaph_62:

(Start: 36 @40517 has 22 MA's), (Start: 37 @40505 has 27 MA's), (Start: 52 @40475 has 138 MA's), (60, 40454), (116, 40298), (124, 40259),

Gene: Chargerpower_63 Start: 38909, Stop: 38718, Start Num: 49

Candidate Starts for Chargerpower_63:

(19, 39011), (Start: 37 @38939 has 27 MA's), (Start: 49 @38909 has 225 MA's), (57, 38891), (62, 38870), (75, 38822), (91, 38777),

Gene: Charm_64 Start: 40061, Stop: 39918, Start Num: 49

Candidate Starts for Charm_64:

(17, 40181), (18, 40175), (26, 40136), (Start: 37 @40094 has 27 MA's), (Start: 49 @40061 has 225 MA's), (57, 40043), (62, 40022), (64, 40010), (Start: 68 @39998 has 1 MA's), (114, 39926),

Gene: Chartreuse_63 Start: 38455, Stop: 38222, Start Num: 49

Candidate Starts for Chartreuse_63:

(Start: 49 @38455 has 225 MA's), (57, 38437), (62, 38416), (70, 38389), (74, 38374), (99, 38323), (105, 38308),

Gene: Chaser_99 Start: 60883, Stop: 61056, Start Num: 69

Candidate Starts for Chaser_99:

(40, 60790), (44, 60805), (Start: 50 @60820 has 16 MA's), (Start: 69 @60883 has 27 MA's), (76, 60907), (Start: 85 @60925 has 15 MA's), (90, 60937), (93, 60952), (94, 60958), (115, 60997),

Gene: Che12_69 Start: 39901, Stop: 39662, Start Num: 47

Candidate Starts for Che12_69:

(Start: 37 @39925 has 27 MA's), (Start: 47 @39901 has 52 MA's), (57, 39883), (64, 39850), (99, 39763), (112, 39730), (124, 39670),

Gene: ChipMunk_68 Start: 42936, Stop: 42706, Start Num: 49

Candidate Starts for ChipMunk_68:

(6, 43188), (9, 43140), (31, 42990), (Start: 49 @42936 has 225 MA's), (57, 42918), (105, 42789), (116, 42750),

Gene: Chiqui_60 Start: 40880, Stop: 40650, Start Num: 52

Candidate Starts for Chiqui_60:

(34, 40922), (Start: 37 @40910 has 27 MA's), (Start: 52 @40880 has 138 MA's), (105, 40736),

Gene: Chupacabra_60 Start: 40090, Stop: 39857, Start Num: 47

Candidate Starts for Chupacabra_60:

(Start: 47 @40090 has 52 MA's), (57, 40069),

Gene: Ciao_57 Start: 39371, Stop: 39237, Start Num: 84

Candidate Starts for Ciao_57:

(Start: 84 @39371 has 146 MA's), (118, 39269),

Gene: Cici_60 Start: 40319, Stop: 40095, Start Num: 52

Candidate Starts for Cici_60:

(Start: 36 @40361 has 22 MA's), (Start: 37 @40349 has 27 MA's), (Start: 52 @40319 has 138 MA's), (115, 40154), (116, 40142),

Gene: Cindaradix_57 Start: 39937, Stop: 39713, Start Num: 52

Candidate Starts for Cindaradix_57:

(Start: 36 @39979 has 22 MA's), (Start: 37 @39967 has 27 MA's), (Start: 52 @39937 has 138 MA's), (60, 39916),

Gene: Cintron_62 Start: 40587, Stop: 40363, Start Num: 52

Candidate Starts for Cintron_62:

(Start: 36 @40629 has 22 MA's), (Start: 37 @40617 has 27 MA's), (Start: 52 @40587 has 138 MA's), (60, 40566),

Gene: Citius_62 Start: 40485, Stop: 40261, Start Num: 52

Candidate Starts for Citius_62:

(Start: 36 @40527 has 22 MA's), (Start: 37 @40515 has 27 MA's), (Start: 52 @40485 has 138 MA's), (60, 40464), (116, 40308), (124, 40269),

Gene: Clarenza_61 Start: 40503, Stop: 40237, Start Num: 36

Candidate Starts for Clarenza_61:

(Start: 36 @40503 has 22 MA's), (Start: 37 @40491 has 27 MA's), (Start: 52 @40461 has 138 MA's), (60, 40440), (116, 40284), (124, 40245),

Gene: Claus_99 Start: 61500, Stop: 61682, Start Num: 69

Candidate Starts for Claus_99:

(57, 61455), (66, 61497), (Start: 69 @61500 has 27 MA's), (Start: 77 @61527 has 1 MA's), (Start: 80 @61536 has 4 MA's), (93, 61569), (101, 61593), (115, 61623), (116, 61635), (118, 61650),

Gene: Clautastrophe_94 Start: 61096, Stop: 61230, Start Num: 85

Candidate Starts for Clautastrophe_94:

(Start: 85 @61096 has 15 MA's), (95, 61132), (96, 61135), (104, 61147), (118, 61198),

Gene: CloudWang3_68 Start: 39697, Stop: 39464, Start Num: 49

Candidate Starts for CloudWang3_68:

(Start: 37 @39727 has 27 MA's), (Start: 49 @39697 has 225 MA's), (57, 39679), (62, 39658), (70, 39631), (99, 39565), (110, 39538), (116, 39511), (124, 39472),

Gene: Cocoaberry_62 Start: 40498, Stop: 40244, Start Num: 37

Candidate Starts for Cocoaberry_62:

(Start: 36 @40510 has 22 MA's), (Start: 37 @40498 has 27 MA's), (Start: 52 @40468 has 138 MA's), (60, 40447), (116, 40291), (124, 40252),

Gene: Colbster_66 Start: 41201, Stop: 40944, Start Num: 37
Candidate Starts for Colbster_66:
(Start: 37 @41201 has 27 MA's), (Start: 49 @41174 has 225 MA's), (99, 41045), (116, 40991),

Gene: Colin_64 Start: 41389, Stop: 41159, Start Num: 49
Candidate Starts for Colin_64:
(4, 41761), (11, 41566), (30, 41446), (Start: 37 @41419 has 27 MA's), (Start: 49 @41389 has 225 MA's), (57, 41371), (99, 41257), (105, 41242),

Gene: Commander_61 Start: 40463, Stop: 40239, Start Num: 52
Candidate Starts for Commander_61:
(Start: 36 @40505 has 22 MA's), (Start: 37 @40493 has 27 MA's), (Start: 52 @40463 has 138 MA's), (60, 40442), (116, 40286), (124, 40247),

Gene: Conceptll_61 Start: 41437, Stop: 41303, Start Num: 84
Candidate Starts for Conceptll_61:
(Start: 84 @41437 has 146 MA's), (118, 41335),

Gene: Connomayer_62 Start: 40464, Stop: 40240, Start Num: 52
Candidate Starts for Connomayer_62:
(Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's), (60, 40443), (116, 40287), (124, 40248),

Gene: Conquerage_66 Start: 40403, Stop: 40170, Start Num: 49
Candidate Starts for Conquerage_66:
(Start: 49 @40403 has 225 MA's), (57, 40385), (86, 40298), (99, 40271), (117, 40208), (121, 40193),

Gene: Cookiedough_66 Start: 39083, Stop: 38850, Start Num: 49
Candidate Starts for Cookiedough_66:
(Start: 49 @39083 has 225 MA's), (57, 39065), (62, 39044), (70, 39017), (74, 39002), (99, 38951), (105, 38936),

Gene: Corvo_59 Start: 40902, Stop: 40759, Start Num: 78
Candidate Starts for Corvo_59:
(Start: 78 @40902 has 46 MA's),

Gene: Crispicous1_55 Start: 38394, Stop: 38260, Start Num: 84
Candidate Starts for Crispicous1_55:
(Start: 84 @38394 has 146 MA's), (118, 38292),

Gene: Crossroads_99 Start: 61475, Stop: 61657, Start Num: 69
Candidate Starts for Crossroads_99:
(Start: 69 @61475 has 27 MA's), (Start: 80 @61511 has 4 MA's), (Start: 85 @61517 has 15 MA's), (93, 61544), (101, 61568), (115, 61598), (116, 61610), (118, 61625),

Gene: Crucio_66 Start: 41335, Stop: 41105, Start Num: 49
Candidate Starts for Crucio_66:
(Start: 49 @41335 has 225 MA's), (57, 41317), (61, 41299), (115, 41161),

Gene: Cueyllyss_59 Start: 41208, Stop: 40948, Start Num: 78
Candidate Starts for Cueyllyss_59:
(Start: 78 @41208 has 46 MA's), (102, 41148), (109, 41130), (128, 41007),

Gene: Cullens_68 Start: 41170, Stop: 40940, Start Num: 49

Candidate Starts for Cullens_68:

(Start: 37 @41197 has 27 MA's), (Start: 49 @41170 has 225 MA's), (99, 41041), (116, 40987),

Gene: D32_67 Start: 41301, Stop: 41065, Start Num: 47

Candidate Starts for D32_67:

(15, 41454), (Start: 37 @41328 has 27 MA's), (Start: 47 @41301 has 52 MA's), (57, 41283), (64, 41250), (99, 41163),

Gene: DBQu4n_68 Start: 41336, Stop: 41046, Start Num: 29

Candidate Starts for DBQu4n_68:

(Start: 29 @41336 has 1 MA's), (Start: 37 @41309 has 27 MA's), (Start: 47 @41282 has 52 MA's), (57, 41264), (64, 41231), (99, 41144),

Gene: DD5_57 Start: 40238, Stop: 40095, Start Num: 78

Candidate Starts for DD5_57:

(Start: 78 @40238 has 46 MA's), (118, 40127),

Gene: DHan_102 Start: 61776, Stop: 61958, Start Num: 69

Candidate Starts for DHan_102:

(57, 61731), (66, 61773), (Start: 69 @61776 has 27 MA's), (Start: 77 @61803 has 1 MA's), (Start: 80 @61812 has 4 MA's), (93, 61845), (101, 61869), (115, 61899), (116, 61911), (118, 61926),

Gene: DaHudson_67 Start: 41190, Stop: 40933, Start Num: 37

Candidate Starts for DaHudson_67:

(Start: 37 @41190 has 27 MA's), (Start: 49 @41163 has 225 MA's), (99, 41034), (116, 40980),

Gene: DaVinci_64 Start: 38509, Stop: 38276, Start Num: 49

Candidate Starts for DaVinci_64:

(Start: 49 @38509 has 225 MA's), (57, 38491), (62, 38470), (70, 38443), (74, 38428), (99, 38377), (105, 38362),

Gene: Daishi_67 Start: 40066, Stop: 39809, Start Num: 37

Candidate Starts for Daishi_67:

(Start: 37 @40066 has 27 MA's), (Start: 49 @40039 has 225 MA's), (99, 39910), (116, 39856),

Gene: Dalmatian_67 Start: 41532, Stop: 41302, Start Num: 49

Candidate Starts for Dalmatian_67:

(3, 41907), (5, 41886), (14, 41697), (20, 41628), (24, 41616), (Start: 49 @41532 has 225 MA's), (57, 41514), (61, 41496), (116, 41346),

Gene: DanBing_98 Start: 61291, Stop: 61473, Start Num: 69

Candidate Starts for DanBing_98:

(Start: 69 @61291 has 27 MA's), (72, 61300), (Start: 77 @61318 has 1 MA's), (Start: 80 @61327 has 4 MA's), (89, 61342), (93, 61360), (101, 61384), (115, 61414), (116, 61426), (118, 61441),

Gene: Darrell_69 Start: 41231, Stop: 40998, Start Num: 49

Candidate Starts for Darrell_69:

(Start: 49 @41231 has 225 MA's), (57, 41213), (110, 41072), (121, 41021),

Gene: DARTHPhader_63 Start: 41641, Stop: 41408, Start Num: 49

Candidate Starts for DARTHPhader_63:

(Start: 37 @41671 has 27 MA's), (Start: 49 @41641 has 225 MA's), (57, 41623), (64, 41590),

Gene: Datway_60 Start: 40290, Stop: 40066, Start Num: 52

Candidate Starts for Datway_60:

(Start: 36 @40332 has 22 MA's), (Start: 37 @40320 has 27 MA's), (Start: 52 @40290 has 138 MA's), (115, 40125), (116, 40113),

Gene: Deano_60 Start: 40472, Stop: 40248, Start Num: 52

Candidate Starts for Deano_60:

(Start: 36 @40514 has 22 MA's), (Start: 37 @40502 has 27 MA's), (Start: 52 @40472 has 138 MA's), (60, 40451), (116, 40295), (124, 40256),

Gene: Deloris_66 Start: 41090, Stop: 40860, Start Num: 49

Candidate Starts for Deloris_66:

(Start: 49 @41090 has 225 MA's), (57, 41072), (105, 40943), (116, 40904),

Gene: Dexes_58 Start: 40275, Stop: 40141, Start Num: 84

Candidate Starts for Dexes_58:

(Start: 84 @40275 has 146 MA's), (118, 40173),

Gene: Dhanush_62 Start: 40467, Stop: 40243, Start Num: 52

Candidate Starts for Dhanush_62:

(Start: 36 @40509 has 22 MA's), (Start: 37 @40497 has 27 MA's), (Start: 52 @40467 has 138 MA's), (60, 40446), (116, 40290), (124, 40251),

Gene: Dieselweasel_69 Start: 41173, Stop: 40943, Start Num: 49

Candidate Starts for Dieselweasel_69:

(Start: 37 @41200 has 27 MA's), (Start: 49 @41173 has 225 MA's), (99, 41044), (116, 40990),

Gene: Dignity_68 Start: 41750, Stop: 41520, Start Num: 49

Candidate Starts for Dignity_68:

(Start: 49 @41750 has 225 MA's), (57, 41732), (105, 41603), (116, 41564),

Gene: DirtyDunning_61 Start: 40479, Stop: 40255, Start Num: 52

Candidate Starts for DirtyDunning_61:

(Start: 36 @40521 has 22 MA's), (Start: 37 @40509 has 27 MA's), (Start: 52 @40479 has 138 MA's), (60, 40458), (116, 40302), (124, 40263),

Gene: DontArgue_58 Start: 39140, Stop: 38904, Start Num: 47

Candidate Starts for DontArgue_58:

(Start: 47 @39140 has 52 MA's), (57, 39119), (99, 39005), (100, 39002), (121, 38927),

Gene: Doom_56 Start: 39819, Stop: 39559, Start Num: 78

Candidate Starts for Doom_56:

(Start: 78 @39819 has 46 MA's), (113, 39732), (127, 39630),

Gene: Dorothea_66 Start: 39081, Stop: 38848, Start Num: 49

Candidate Starts for Dorothea_66:

(Start: 49 @39081 has 225 MA's), (57, 39063), (62, 39042), (70, 39015), (99, 38949), (105, 38934),

Gene: Douge_100 Start: 60951, Stop: 61124, Start Num: 69

Candidate Starts for Douge_100:

(40, 60858), (44, 60873), (58, 60909), (Start: 69 @60951 has 27 MA's), (76, 60975), (Start: 85 @60993 has 15 MA's), (90, 61005), (93, 61020), (94, 61026), (115, 61065), (118, 61092),

Gene: Douzhi_100 Start: 61220, Stop: 61393, Start Num: 69

Candidate Starts for Douzhi_100:

(40, 61127), (44, 61142), (53, 61166), (58, 61178), (Start: 69 @61220 has 27 MA's), (76, 61244), (Start: 85 @61262 has 15 MA's), (90, 61274), (93, 61289), (94, 61295), (115, 61334), (118, 61361),

Gene: DrFeelGood_56 Start: 39234, Stop: 39100, Start Num: 84

Candidate Starts for DrFeelGood_56:

(Start: 84 @39234 has 146 MA's), (118, 39132),

Gene: DrSeegs_98 Start: 61845, Stop: 62027, Start Num: 69

Candidate Starts for DrSeegs_98:

(Start: 67 @61842 has 4 MA's), (Start: 69 @61845 has 27 MA's), (76, 61869), (Start: 80 @61881 has 4 MA's), (Start: 85 @61887 has 15 MA's), (101, 61938), (115, 61968), (116, 61980), (118, 61995),

Gene: Drake55_67 Start: 41178, Stop: 40948, Start Num: 49

Candidate Starts for Drake55_67:

(Start: 49 @41178 has 225 MA's), (57, 41160), (61, 41142), (70, 41112), (116, 40995), (121, 40971),

Gene: Drake94_59 Start: 39177, Stop: 38941, Start Num: 47

Candidate Starts for Drake94_59:

(Start: 47 @39177 has 52 MA's), (57, 39156), (62, 39135), (99, 39042), (105, 39027),

Gene: DreamCatcher_62 Start: 40897, Stop: 40763, Start Num: 84

Candidate Starts for DreamCatcher_62:

(Start: 81 @40900 has 3 MA's), (Start: 84 @40897 has 146 MA's), (118, 40795),

Gene: DreamTeam1_64 Start: 39893, Stop: 39750, Start Num: 49

Candidate Starts for DreamTeam1_64:

(17, 40013), (18, 40007), (26, 39968), (Start: 37 @39926 has 27 MA's), (Start: 49 @39893 has 225 MA's), (57, 39875), (62, 39854), (64, 39842), (Start: 68 @39830 has 1 MA's), (114, 39758),

Gene: DroogsArmy_61 Start: 43358, Stop: 43107, Start Num: 37

Candidate Starts for DroogsArmy_61:

(Start: 37 @43358 has 27 MA's), (Start: 46 @43328 has 3 MA's), (57, 43307), (115, 43166),

Gene: DropBear_63 Start: 40798, Stop: 40568, Start Num: 52

Candidate Starts for DropBear_63:

(34, 40840), (Start: 37 @40828 has 27 MA's), (Start: 52 @40798 has 138 MA's), (65, 40753),

Gene: Druantia_61 Start: 40467, Stop: 40243, Start Num: 52

Candidate Starts for Druantia_61:

(Start: 36 @40509 has 22 MA's), (Start: 37 @40497 has 27 MA's), (Start: 52 @40467 has 138 MA's), (60, 40446), (116, 40290), (124, 40251),

Gene: DudeLittle_65 Start: 41298, Stop: 41068, Start Num: 49

Candidate Starts for DudeLittle_65:

(3, 41673), (5, 41652), (14, 41463), (20, 41394), (24, 41382), (Start: 49 @41298 has 225 MA's), (57, 41280), (61, 41262), (116, 41112),

Gene: Dulcie_58 Start: 39702, Stop: 39451, Start Num: 83

Candidate Starts for Dulcie_58:

(Start: 83 @39702 has 8 MA's), (102, 39651), (109, 39633),

Gene: DuncansLeg_97 Start: 61287, Stop: 61421, Start Num: 85

Candidate Starts for DuncansLeg_97:

(Start: 77 @61272 has 1 MA's), (Start: 85 @61287 has 15 MA's), (95, 61323), (96, 61326), (104, 61338), (118, 61389),

Gene: Duplo_68 Start: 41338, Stop: 41102, Start Num: 47

Candidate Starts for Duplo_68:

(15, 41491), (Start: 37 @41365 has 27 MA's), (Start: 47 @41338 has 52 MA's), (57, 41320), (64, 41287), (99, 41200),

Gene: Dussy_60 Start: 40880, Stop: 40746, Start Num: 84

Candidate Starts for Dussy_60:

(Start: 84 @40880 has 146 MA's), (118, 40778),

Gene: DustyMartin_64 Start: 40196, Stop: 39963, Start Num: 47

Candidate Starts for DustyMartin_64:

(Start: 37 @40223 has 27 MA's), (Start: 47 @40196 has 52 MA's), (57, 40175), (Start: 84 @40091 has 146 MA's),

Gene: Dynamix_60 Start: 39645, Stop: 39502, Start Num: 78

Candidate Starts for Dynamix_60:

(Start: 78 @39645 has 46 MA's),

Gene: DyoEdafos_103 Start: 61511, Stop: 61684, Start Num: 68

Candidate Starts for DyoEdafos_103:

(66, 61508), (Start: 68 @61511 has 1 MA's), (76, 61535), (Start: 80 @61547 has 4 MA's), (Start: 85 @61553 has 15 MA's), (89, 61562), (90, 61565), (93, 61580), (115, 61625), (118, 61652),

Gene: EZMoney23_63 Start: 41001, Stop: 40768, Start Num: 49

Candidate Starts for EZMoney23_63:

(Start: 49 @41001 has 225 MA's), (57, 40983), (86, 40896), (105, 40854), (121, 40791),

Gene: Eagle_61 Start: 40489, Stop: 40265, Start Num: 52

Candidate Starts for Eagle_61:

(Start: 52 @40489 has 138 MA's), (60, 40468), (116, 40312), (124, 40273),

Gene: EagleEye_68 Start: 40411, Stop: 40178, Start Num: 47

Candidate Starts for EagleEye_68:

(Start: 37 @40438 has 27 MA's), (Start: 47 @40411 has 52 MA's), (57, 40390), (115, 40237),

Gene: Eaglepride_62 Start: 40120, Stop: 39884, Start Num: 47

Candidate Starts for Eaglepride_62:

(Start: 47 @40120 has 52 MA's), (57, 40099), (86, 40012), (115, 39943),

Gene: Eapen_62 Start: 40459, Stop: 40235, Start Num: 52

Candidate Starts for Eapen_62:

(Start: 36 @40501 has 22 MA's), (Start: 37 @40489 has 27 MA's), (Start: 52 @40459 has 138 MA's), (60, 40438), (115, 40294), (116, 40282), (124, 40243),

Gene: Ebony_66 Start: 40197, Stop: 39964, Start Num: 49

Candidate Starts for Ebony_66:

(Start: 49 @40197 has 225 MA's), (57, 40179), (87, 40095), (110, 40035), (112, 40029),

Gene: Echild_66 Start: 40693, Stop: 40460, Start Num: 49

Candidate Starts for Echild_66:

(Start: 49 @40693 has 225 MA's), (57, 40675), (105, 40546), (116, 40507),

Gene: Edison31_58 Start: 39960, Stop: 39727, Start Num: 47

Candidate Starts for Edison31_58:

(Start: 37 @39987 has 27 MA's), (Start: 47 @39960 has 52 MA's), (57, 39939), (Start: 84 @39855 has 146 MA's),

Gene: EdogawaKiddo_66 Start: 40695, Stop: 40546, Start Num: 49

Candidate Starts for EdogawaKiddo_66:

(Start: 49 @40695 has 225 MA's), (57, 40677), (70, 40629),

Gene: Edtherson_57 Start: 39654, Stop: 39520, Start Num: 84

Candidate Starts for Edtherson_57:

(Start: 84 @39654 has 146 MA's), (118, 39552),

Gene: Eidsmoe_66 Start: 40395, Stop: 40162, Start Num: 49

Candidate Starts for Eidsmoe_66:

(Start: 49 @40395 has 225 MA's), (57, 40377), (86, 40290), (99, 40263), (117, 40200), (121, 40185),

Gene: EITiger69_60 Start: 39467, Stop: 39201, Start Num: 41

Candidate Starts for EITiger69_60:

(Start: 41 @39467 has 6 MA's), (55, 39434), (116, 39248),

Gene: Elephantoon_66 Start: 40030, Stop: 39797, Start Num: 49

Candidate Starts for Elephantoon_66:

(Start: 49 @40030 has 225 MA's), (57, 40012), (70, 39964), (110, 39871), (121, 39820),

Gene: Ellson_95 Start: 61602, Stop: 61736, Start Num: 85

Candidate Starts for Ellson_95:

(Start: 77 @61587 has 1 MA's), (Start: 85 @61602 has 15 MA's), (95, 61638), (96, 61641), (104, 61653), (118, 61704),

Gene: EmyBug_65 Start: 40397, Stop: 40164, Start Num: 49

Candidate Starts for EmyBug_65:

(Start: 49 @40397 has 225 MA's), (57, 40379), (86, 40292), (99, 40265), (117, 40202), (121, 40187),

Gene: EpicPhail_69 Start: 41174, Stop: 40944, Start Num: 49

Candidate Starts for EpicPhail_69:

(Start: 37 @41201 has 27 MA's), (Start: 49 @41174 has 225 MA's), (99, 41045), (116, 40991),

Gene: Equemioh13_65 Start: 40980, Stop: 40750, Start Num: 49

Candidate Starts for Equemioh13_65:

(Start: 49 @40980 has 225 MA's), (57, 40962), (61, 40944), (70, 40914), (116, 40797), (121, 40773),

Gene: EricB_65 Start: 39061, Stop: 38828, Start Num: 49

Candidate Starts for EricB_65:

(Start: 49 @39061 has 225 MA's), (57, 39043), (62, 39022), (70, 38995), (74, 38980), (99, 38929), (105, 38914),

Gene: Eris_61 Start: 40509, Stop: 40255, Start Num: 37

Candidate Starts for Eris_61:

(Start: 37 @40509 has 27 MA's), (Start: 52 @40479 has 138 MA's), (60, 40458), (116, 40302), (124, 40263),

Gene: Eros_62 Start: 40466, Stop: 40242, Start Num: 52

Candidate Starts for Eros_62:

(Start: 36 @40508 has 22 MA's), (Start: 37 @40496 has 27 MA's), (Start: 52 @40466 has 138 MA's), (60, 40445), (116, 40289), (124, 40250),

Gene: Espresso_57 Start: 40290, Stop: 40156, Start Num: 84

Candidate Starts for Espresso_57:

(Start: 84 @40290 has 146 MA's), (118, 40188),

Gene: Et2Brutus_65 Start: 40160, Stop: 39927, Start Num: 49

Candidate Starts for Et2Brutus_65:

(Start: 49 @40160 has 225 MA's), (57, 40142), (87, 40058), (110, 39998), (112, 39992),

Gene: Euphoria_56 Start: 39547, Stop: 39404, Start Num: 78

Candidate Starts for Euphoria_56:

(Start: 78 @39547 has 46 MA's),

Gene: Eurydice_63 Start: 40464, Stop: 40240, Start Num: 52

Candidate Starts for Eurydice_63:

(Start: 36 @40506 has 22 MA's), (Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's), (60, 40443), (116, 40287), (124, 40248),

Gene: EvilGenius_67 Start: 42937, Stop: 42707, Start Num: 49

Candidate Starts for EvilGenius_67:

(6, 43189), (9, 43141), (31, 42991), (Start: 49 @42937 has 225 MA's), (57, 42919), (105, 42790), (116, 42751),

Gene: ExplosioNervosa_66 Start: 40463, Stop: 40230, Start Num: 49

Candidate Starts for ExplosioNervosa_66:

(Start: 49 @40463 has 225 MA's), (57, 40445), (86, 40358), (99, 40331), (117, 40268), (121, 40253),

Gene: Eyeball_59 Start: 39749, Stop: 39615, Start Num: 84

Candidate Starts for Eyeball_59:

(Start: 84 @39749 has 146 MA's), (118, 39647),

Gene: Faith1_99 Start: 61400, Stop: 61582, Start Num: 69

Candidate Starts for Faith1_99:

(Start: 69 @61400 has 27 MA's), (Start: 80 @61436 has 4 MA's), (Start: 85 @61442 has 15 MA's), (93, 61469), (94, 61475), (101, 61493), (115, 61523), (116, 61535),

Gene: Fajezeel_59 Start: 39720, Stop: 39586, Start Num: 84

Candidate Starts for Fajezeel_59:

(Start: 84 @39720 has 146 MA's), (118, 39618),

Gene: Fameo_66 Start: 41657, Stop: 41427, Start Num: 49

Candidate Starts for Fameo_66:

(24, 41744), (35, 41702), (Start: 37 @41690 has 27 MA's), (Start: 49 @41657 has 225 MA's), (57, 41639), (61, 41621), (105, 41510), (116, 41471),

Gene: Farber_68 Start: 41160, Stop: 40930, Start Num: 49

Candidate Starts for Farber_68:

(Start: 37 @41187 has 27 MA's), (Start: 49 @41160 has 225 MA's), (99, 41031), (116, 40977),

Gene: FarmResident_101 Start: 61107, Stop: 61280, Start Num: 69

Candidate Starts for FarmResident_101:

(40, 61014), (44, 61029), (53, 61053), (58, 61065), (Start: 69 @61107 has 27 MA's), (76, 61131), (Start: 85 @61149 has 15 MA's), (90, 61161), (93, 61176), (94, 61182), (115, 61221), (118, 61248),

Gene: Fascinus_54 Start: 39859, Stop: 39725, Start Num: 84

Candidate Starts for Fascinus_54:

(Start: 84 @39859 has 146 MA's), (118, 39757),

Gene: Fayely_66 Start: 40364, Stop: 40131, Start Num: 49

Candidate Starts for Fayely_66:

(Start: 49 @40364 has 225 MA's), (57, 40346), (86, 40259), (99, 40232), (117, 40169), (121, 40154),

Gene: Fenn_61 Start: 41648, Stop: 41514, Start Num: 84

Candidate Starts for Fenn_61:

(Start: 84 @41648 has 146 MA's), (118, 41546),

Gene: Fernando_68 Start: 41170, Stop: 40940, Start Num: 49

Candidate Starts for Fernando_68:

(Start: 37 @41197 has 27 MA's), (Start: 49 @41170 has 225 MA's), (99, 41041), (116, 40987),

Gene: Fibonacci_66 Start: 40166, Stop: 39933, Start Num: 49

Candidate Starts for Fibonacci_66:

(Start: 49 @40166 has 225 MA's), (57, 40148), (87, 40064), (110, 40004), (112, 39998),

Gene: Finemlucis_100 Start: 62460, Stop: 62642, Start Num: 69

Candidate Starts for Finemlucis_100:

(Start: 69 @62460 has 27 MA's), (Start: 80 @62496 has 4 MA's), (Start: 85 @62502 has 15 MA's), (93, 62529), (94, 62535), (101, 62553), (115, 62583), (116, 62595),

Gene: Finnry_96 Start: 61449, Stop: 61583, Start Num: 85

Candidate Starts for Finnry_96:

(Start: 85 @61449 has 15 MA's), (95, 61485), (96, 61488), (104, 61500), (118, 61551),

Gene: FiringLine_66 Start: 41316, Stop: 41086, Start Num: 49

Candidate Starts for FiringLine_66:

(Start: 49 @41316 has 225 MA's), (57, 41298), (61, 41280), (115, 41142),

Gene: First_0067 Start: 41317, Stop: 41087, Start Num: 49

Candidate Starts for First_0067:

(Start: 49 @41317 has 225 MA's), (57, 41299), (105, 41170), (116, 41131),

Gene: Flare16_65 Start: 40736, Stop: 40506, Start Num: 49

Candidate Starts for Flare16_65:

(Start: 49 @40736 has 225 MA's), (57, 40718), (61, 40700), (70, 40670), (116, 40553), (121, 40529),

Gene: Flaverint_67 Start: 40624, Stop: 40391, Start Num: 49
Candidate Starts for Flaverint_67:
(Start: 49 @40624 has 225 MA's), (57, 40606), (87, 40522), (110, 40462), (112, 40456),

Gene: Florean_62 Start: 40463, Stop: 40239, Start Num: 52
Candidate Starts for Florean_62:
(Start: 36 @40505 has 22 MA's), (Start: 37 @40493 has 27 MA's), (Start: 52 @40463 has 138 MA's),
(60, 40442), (116, 40286), (124, 40247),

Gene: Flux_62 Start: 40493, Stop: 40239, Start Num: 37
Candidate Starts for Flux_62:
(Start: 36 @40505 has 22 MA's), (Start: 37 @40493 has 27 MA's), (Start: 52 @40463 has 138 MA's),
(60, 40442), (116, 40286), (124, 40247),

Gene: FlyCatcher_67 Start: 44015, Stop: 43773, Start Num: 46
Candidate Starts for FlyCatcher_67:
(13, 44180), (16, 44129), (21, 44096), (Start: 46 @44015 has 3 MA's), (57, 43994), (60, 43982), (115,
43832),

Gene: Forsytheast_57 Start: 39132, Stop: 38998, Start Num: 84
Candidate Starts for Forsytheast_57:
(Start: 84 @39132 has 146 MA's), (118, 39030),

Gene: Francis47_57 Start: 40917, Stop: 40783, Start Num: 84
Candidate Starts for Francis47_57:
(Start: 84 @40917 has 146 MA's), (118, 40815),

Gene: Fred313_63 Start: 40492, Stop: 40262, Start Num: 52
Candidate Starts for Fred313_63:
(34, 40534), (Start: 37 @40522 has 27 MA's), (Start: 52 @40492 has 138 MA's), (65, 40447),

Gene: Froghopper_55 Start: 38579, Stop: 38436, Start Num: 78
Candidate Starts for Froghopper_55:
(Start: 78 @38579 has 46 MA's),

Gene: Funston_61 Start: 40506, Stop: 40240, Start Num: 36
Candidate Starts for Funston_61:
(Start: 36 @40506 has 22 MA's), (Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's),
(60, 40443), (116, 40287), (124, 40248),

Gene: Fushigi_55 Start: 38393, Stop: 38259, Start Num: 84
Candidate Starts for Fushigi_55:
(Start: 84 @38393 has 146 MA's), (118, 38291),

Gene: GMonster_54 Start: 38356, Stop: 38222, Start Num: 84
Candidate Starts for GMonster_54:
(Start: 84 @38356 has 146 MA's), (118, 38254),

Gene: Gabriela_99 Start: 60746, Stop: 60928, Start Num: 69
Candidate Starts for Gabriela_99:
(Start: 69 @60746 has 27 MA's), (Start: 80 @60782 has 4 MA's), (Start: 85 @60788 has 15 MA's),
(93, 60815), (94, 60821), (101, 60839), (115, 60869), (116, 60881),

Gene: Gadost_62 Start: 40468, Stop: 40244, Start Num: 52
Candidate Starts for Gadost_62:
(Start: 36 @40510 has 22 MA's), (Start: 37 @40498 has 27 MA's), (Start: 52 @40468 has 138 MA's),
(60, 40447), (116, 40291), (124, 40252),

Gene: GageAP_59 Start: 40447, Stop: 40187, Start Num: 78
Candidate Starts for GageAP_59:
(Start: 78 @40447 has 46 MA's), (113, 40360), (125, 40300), (126, 40297),

Gene: Gail_67 Start: 41407, Stop: 41258, Start Num: 49
Candidate Starts for Gail_67:
(Start: 49 @41407 has 225 MA's), (57, 41389), (62, 41368),

Gene: Gandalf20_61 Start: 41575, Stop: 41441, Start Num: 84
Candidate Starts for Gandalf20_61:
(Start: 84 @41575 has 146 MA's), (118, 41473),

Gene: Garak_68 Start: 39552, Stop: 39319, Start Num: 49
Candidate Starts for Garak_68:
(Start: 37 @39582 has 27 MA's), (Start: 49 @39552 has 225 MA's), (57, 39534), (62, 39513), (70,
39486), (99, 39420), (110, 39393), (116, 39366), (124, 39327),

Gene: Gardann_99 Start: 61193, Stop: 61375, Start Num: 69
Candidate Starts for Gardann_99:
(Start: 69 @61193 has 27 MA's), (Start: 80 @61229 has 4 MA's), (Start: 85 @61235 has 15 MA's),
(93, 61262), (94, 61268), (101, 61286), (115, 61316), (116, 61328),

Gene: GaugeLDP_62 Start: 40923, Stop: 40693, Start Num: 47
Candidate Starts for GaugeLDP_62:
(25, 41004), (Start: 37 @40953 has 27 MA's), (Start: 47 @40923 has 52 MA's), (56, 40905), (57,
40902), (100, 40788),

Gene: Gemma_67 Start: 41052, Stop: 40822, Start Num: 50
Candidate Starts for Gemma_67:
(Start: 50 @41052 has 16 MA's), (105, 40908), (116, 40869),

Gene: Georgie2_67 Start: 41361, Stop: 41131, Start Num: 49
Candidate Starts for Georgie2_67:
(Start: 49 @41361 has 225 MA's), (57, 41343), (61, 41325), (115, 41187),

Gene: Gilberta_67 Start: 40617, Stop: 40384, Start Num: 49
Candidate Starts for Gilberta_67:
(Start: 49 @40617 has 225 MA's), (57, 40599), (87, 40515), (110, 40455), (112, 40449),

Gene: GingkoMaracino_68 Start: 41056, Stop: 40826, Start Num: 49
Candidate Starts for GingkoMaracino_68:
(Start: 37 @41083 has 27 MA's), (Start: 49 @41056 has 225 MA's), (99, 40927), (116, 40873),

Gene: Giroux_64 Start: 40895, Stop: 40665, Start Num: 52
Candidate Starts for Giroux_64:
(34, 40937), (Start: 37 @40925 has 27 MA's), (Start: 52 @40895 has 138 MA's), (105, 40751), (106,
40748), (118, 40697),

Gene: Gladiator_64 Start: 38807, Stop: 38544, Start Num: 37
Candidate Starts for Gladiator_64:
(Start: 37 @38807 has 27 MA's), (39, 38795), (Start: 49 @38777 has 225 MA's), (57, 38759), (62, 38738), (70, 38711), (99, 38645), (110, 38618), (116, 38591), (124, 38552),

Gene: Gompeii16_57 Start: 40581, Stop: 40447, Start Num: 84
Candidate Starts for Gompeii16_57:
(Start: 84 @40581 has 146 MA's),

Gene: Goose_62 Start: 39906, Stop: 39673, Start Num: 47
Candidate Starts for Goose_62:
(Start: 47 @39906 has 52 MA's), (57, 39885),

Gene: Graduation_62 Start: 41280, Stop: 41020, Start Num: 78
Candidate Starts for Graduation_62:
(Start: 78 @41280 has 46 MA's), (102, 41220), (109, 41202), (128, 41079),

Gene: GrecoEtereo_58 Start: 39479, Stop: 39345, Start Num: 84
Candidate Starts for GrecoEtereo_58:
(Start: 84 @39479 has 146 MA's), (118, 39377),

Gene: GreedyLawyer_63 Start: 39068, Stop: 38835, Start Num: 49
Candidate Starts for GreedyLawyer_63:
(Start: 49 @39068 has 225 MA's), (57, 39050), (62, 39029), (70, 39002), (74, 38987), (99, 38936), (105, 38921),

Gene: Greg_59 Start: 39720, Stop: 39586, Start Num: 84
Candidate Starts for Greg_59:
(Start: 84 @39720 has 146 MA's), (118, 39618),

Gene: Grif_68 Start: 41245, Stop: 41015, Start Num: 49
Candidate Starts for Grif_68:
(Start: 37 @41272 has 27 MA's), (Start: 49 @41245 has 225 MA's), (99, 41116), (116, 41062),

Gene: Groupthink_69 Start: 41056, Stop: 40826, Start Num: 50
Candidate Starts for Groupthink_69:
(Start: 50 @41056 has 16 MA's), (105, 40912), (116, 40873),

Gene: Grub_68 Start: 41162, Stop: 40932, Start Num: 49
Candidate Starts for Grub_68:
(Start: 37 @41189 has 27 MA's), (Start: 49 @41162 has 225 MA's), (99, 41033), (116, 40979),

Gene: Grum1_67 Start: 41170, Stop: 40940, Start Num: 49
Candidate Starts for Grum1_67:
(Start: 37 @41197 has 27 MA's), (Start: 49 @41170 has 225 MA's), (99, 41041), (116, 40987),

Gene: Gruunaga_67 Start: 39476, Stop: 39243, Start Num: 49
Candidate Starts for Gruunaga_67:
(Start: 37 @39506 has 27 MA's), (Start: 49 @39476 has 225 MA's), (57, 39458), (62, 39437), (70, 39410), (99, 39344), (116, 39290), (124, 39251),

Gene: GtownJaz_68 Start: 41172, Stop: 40942, Start Num: 49
Candidate Starts for GtownJaz_68:

(Start: 37 @41199 has 27 MA's), (Start: 49 @41172 has 225 MA's), (99, 41043), (116, 40989),

Gene: GuuelaD_96 Start: 61359, Stop: 61541, Start Num: 69

Candidate Starts for GuuelaD_96:

(Start: 69 @61359 has 27 MA's), (Start: 80 @61395 has 4 MA's), (Start: 85 @61401 has 15 MA's), (93, 61428), (94, 61434), (101, 61452), (115, 61482), (116, 61494),

Gene: Gwendoluna_61 Start: 41840, Stop: 41589, Start Num: 83

Candidate Starts for Gwendoluna_61:

(Start: 83 @41840 has 8 MA's), (102, 41789), (109, 41771),

Gene: Gyzlar_54 Start: 37793, Stop: 37659, Start Num: 84

Candidate Starts for Gyzlar_54:

(Start: 84 @37793 has 146 MA's), (118, 37691),

Gene: HINdeR_62 Start: 43023, Stop: 42802, Start Num: 46

Candidate Starts for HINdeR_62:

(13, 43197), (16, 43146), (Start: 46 @43023 has 3 MA's), (57, 43002),

Gene: Hafay_100 Start: 61495, Stop: 61677, Start Num: 69

Candidate Starts for Hafay_100:

(57, 61450), (66, 61492), (Start: 69 @61495 has 27 MA's), (Start: 77 @61522 has 1 MA's), (Start: 80 @61531 has 4 MA's), (93, 61564), (101, 61588), (115, 61618), (116, 61630), (118, 61645),

Gene: HamSlice_59 Start: 40504, Stop: 40238, Start Num: 36

Candidate Starts for HamSlice_59:

(Start: 36 @40504 has 22 MA's), (Start: 37 @40492 has 27 MA's), (Start: 52 @40462 has 138 MA's), (60, 40441), (116, 40285), (124, 40246),

Gene: Hami1_53 Start: 34833, Stop: 34699, Start Num: 84

Candidate Starts for Hami1_53:

(Start: 84 @34833 has 146 MA's), (118, 34731),

Gene: Hammer_67 Start: 39083, Stop: 38850, Start Num: 49

Candidate Starts for Hammer_67:

(Start: 37 @39113 has 27 MA's), (Start: 49 @39083 has 225 MA's), (57, 39065), (62, 39044), (70, 39017), (99, 38951), (116, 38897), (124, 38858),

Gene: HanShotFirst_59 Start: 40295, Stop: 40161, Start Num: 84

Candidate Starts for HanShotFirst_59:

(Start: 84 @40295 has 146 MA's), (118, 40193),

Gene: Hanray_66 Start: 40727, Stop: 40494, Start Num: 49

Candidate Starts for Hanray_66:

(Start: 49 @40727 has 225 MA's), (57, 40709), (86, 40622), (99, 40595), (117, 40532), (121, 40517),

Gene: Happiness_61 Start: 40450, Stop: 40226, Start Num: 52

Candidate Starts for Happiness_61:

(Start: 36 @40492 has 22 MA's), (Start: 37 @40480 has 27 MA's), (Start: 52 @40450 has 138 MA's), (60, 40429), (116, 40273), (124, 40234),

Gene: HarryHoudini_66 Start: 41179, Stop: 40949, Start Num: 49

Candidate Starts for HarryHoudini_66:

(Start: 49 @41179 has 225 MA's), (57, 41161), (61, 41143), (70, 41113), (116, 40996), (121, 40972),

Gene: HarryOW_57 Start: 38977, Stop: 38843, Start Num: 84

Candidate Starts for HarryOW_57:

(Start: 84 @38977 has 146 MA's), (118, 38875),

Gene: HashRod_69 Start: 41198, Stop: 40968, Start Num: 49

Candidate Starts for HashRod_69:

(Start: 37 @41225 has 27 MA's), (Start: 49 @41198 has 225 MA's), (99, 41069),

Gene: HaveUMetTed_69 Start: 41041, Stop: 40811, Start Num: 50

Candidate Starts for HaveUMetTed_69:

(Start: 50 @41041 has 16 MA's), (105, 40897), (116, 40858),

Gene: Heathen_65 Start: 40587, Stop: 40357, Start Num: 52

Candidate Starts for Heathen_65:

(34, 40629), (Start: 37 @40617 has 27 MA's), (Start: 52 @40587 has 138 MA's), (65, 40542),

Gene: Heffalump_65 Start: 42125, Stop: 41895, Start Num: 49

Candidate Starts for Heffalump_65:

(24, 42212), (Start: 37 @42158 has 27 MA's), (Start: 49 @42125 has 225 MA's), (57, 42107), (61, 42089), (116, 41939),

Gene: HelDan_64 Start: 40803, Stop: 40573, Start Num: 52

Candidate Starts for HelDan_64:

(34, 40845), (Start: 37 @40833 has 27 MA's), (Start: 52 @40803 has 138 MA's), (65, 40758),

Gene: Heliosoles_67 Start: 41059, Stop: 40829, Start Num: 50

Candidate Starts for Heliosoles_67:

(Start: 50 @41059 has 16 MA's), (105, 40915), (116, 40876),

Gene: Helmet_68 Start: 39552, Stop: 39319, Start Num: 49

Candidate Starts for Helmet_68:

(Start: 37 @39582 has 27 MA's), (Start: 49 @39552 has 225 MA's), (57, 39534), (62, 39513), (70, 39486), (99, 39420), (110, 39393), (116, 39366), (124, 39327),

Gene: Herbertwm_62 Start: 40747, Stop: 40508, Start Num: 47

Candidate Starts for Herbertwm_62:

(28, 40801), (Start: 47 @40747 has 52 MA's), (57, 40729),

Gene: Hercules11_68 Start: 41206, Stop: 40949, Start Num: 37

Candidate Starts for Hercules11_68:

(Start: 37 @41206 has 27 MA's), (Start: 49 @41179 has 225 MA's), (99, 41050), (116, 40996),

Gene: Hermia_58 Start: 40152, Stop: 40018, Start Num: 84

Candidate Starts for Hermia_58:

(Start: 84 @40152 has 146 MA's), (118, 40050),

Gene: HermioneGrange_59 Start: 39701, Stop: 39567, Start Num: 84

Candidate Starts for HermioneGrange_59:

(Start: 84 @39701 has 146 MA's), (118, 39599),

Gene: Hexamo_67 Start: 39212, Stop: 38949, Start Num: 37

Candidate Starts for Hexamo_67:

(Start: 37 @39212 has 27 MA's), (Start: 49 @39182 has 225 MA's), (57, 39164), (62, 39143), (70, 39116), (99, 39050), (110, 39023), (116, 38996), (124, 38957),

Gene: Holec_66 Start: 40743, Stop: 40510, Start Num: 49

Candidate Starts for Holec_66:

(Start: 49 @40743 has 225 MA's), (57, 40725), (86, 40638), (99, 40611), (117, 40548), (121, 40533),

Gene: Holli_61 Start: 40254, Stop: 40030, Start Num: 52

Candidate Starts for Holli_61:

(Start: 36 @40296 has 22 MA's), (Start: 37 @40284 has 27 MA's), (Start: 52 @40254 has 138 MA's), (60, 40233), (116, 40077), (124, 40038),

Gene: Homines_50 Start: 35670, Stop: 35527, Start Num: 78

Candidate Starts for Homines_50:

(Start: 78 @35670 has 46 MA's), (118, 35559),

Gene: Hookmount_64 Start: 40847, Stop: 40644, Start Num: 52

Candidate Starts for Hookmount_64:

(Start: 37 @40877 has 27 MA's), (Start: 52 @40847 has 138 MA's), (103, 40718), (124, 40652),

Gene: Hoot_61 Start: 36919, Stop: 36686, Start Num: 49

Candidate Starts for Hoot_61:

(Start: 49 @36919 has 225 MA's), (57, 36901), (62, 36880), (70, 36853), (74, 36838), (99, 36787), (105, 36772),

Gene: Hope4ever_60 Start: 40461, Stop: 40327, Start Num: 84

Candidate Starts for Hope4ever_60:

(Start: 84 @40461 has 146 MA's), (118, 40359),

Gene: HortumSL17_69 Start: 40727, Stop: 40578, Start Num: 49

Candidate Starts for HortumSL17_69:

(Start: 49 @40727 has 225 MA's), (57, 40709), (70, 40661),

Gene: Houdini22_61 Start: 40468, Stop: 40244, Start Num: 52

Candidate Starts for Houdini22_61:

(Start: 36 @40510 has 22 MA's), (Start: 37 @40498 has 27 MA's), (Start: 52 @40468 has 138 MA's), (60, 40447), (116, 40291), (124, 40252),

Gene: Hutc2_65 Start: 40166, Stop: 39933, Start Num: 49

Candidate Starts for Hutc2_65:

(Start: 49 @40166 has 225 MA's), (57, 40148), (87, 40064), (110, 40004), (112, 39998),

Gene: Huxley_60 Start: 40528, Stop: 40304, Start Num: 52

Candidate Starts for Huxley_60:

(Start: 36 @40570 has 22 MA's), (Start: 37 @40558 has 27 MA's), (Start: 52 @40528 has 138 MA's), (60, 40507), (116, 40351), (124, 40312),

Gene: ICleared_61 Start: 40496, Stop: 40272, Start Num: 52

Candidate Starts for ICleared_61:

(Start: 36 @40538 has 22 MA's), (Start: 37 @40526 has 27 MA's), (Start: 52 @40496 has 138 MA's), (60, 40475), (116, 40319), (124, 40280),

Gene: ILeeKay_61 Start: 40319, Stop: 40185, Start Num: 84
Candidate Starts for ILeeKay_61:
(Start: 84 @40319 has 146 MA's), (118, 40217),

Gene: Iceman_62 Start: 40753, Stop: 40529, Start Num: 52
Candidate Starts for Iceman_62:
(Start: 36 @40795 has 22 MA's), (Start: 37 @40783 has 27 MA's), (Start: 52 @40753 has 138 MA's),
(60, 40732), (116, 40576), (124, 40537),

Gene: Ichabod_62 Start: 41147, Stop: 41004, Start Num: 78
Candidate Starts for Ichabod_62:
(Start: 78 @41147 has 46 MA's), (118, 41036),

Gene: Idleandcovert_65 Start: 40896, Stop: 40666, Start Num: 52
Candidate Starts for Idleandcovert_65:
(34, 40938), (Start: 37 @40926 has 27 MA's), (Start: 52 @40896 has 138 MA's), (105, 40752), (106,
40749), (118, 40698),

Gene: IgnatiusPatJac_58 Start: 39784, Stop: 39650, Start Num: 84
Candidate Starts for IgnatiusPatJac_58:
(Start: 84 @39784 has 146 MA's), (118, 39682),

Gene: Indra_70 Start: 39553, Stop: 39320, Start Num: 49
Candidate Starts for Indra_70:
(Start: 37 @39583 has 27 MA's), (Start: 49 @39553 has 225 MA's), (57, 39535), (62, 39514), (70,
39487), (99, 39421), (110, 39394), (116, 39367), (124, 39328),

Gene: Insomnia_67 Start: 40605, Stop: 40372, Start Num: 49
Candidate Starts for Insomnia_67:
(Start: 49 @40605 has 225 MA's), (57, 40587), (87, 40503), (110, 40443), (112, 40437),

Gene: Inyanga_53 Start: 38018, Stop: 37884, Start Num: 84
Candidate Starts for Inyanga_53:
(Start: 84 @38018 has 146 MA's), (118, 37916),

Gene: Iracema64_63 Start: 40773, Stop: 40507, Start Num: 36
Candidate Starts for Iracema64_63:
(Start: 36 @40773 has 22 MA's), (Start: 37 @40761 has 27 MA's), (Start: 52 @40731 has 138 MA's),
(60, 40710), (116, 40554), (124, 40515),

Gene: IronMan_64 Start: 41884, Stop: 41648, Start Num: 47
Candidate Starts for IronMan_64:
(25, 41962), (Start: 37 @41911 has 27 MA's), (Start: 47 @41884 has 52 MA's), (57, 41863), (121,
41671), (124, 41656),

Gene: Isca_63 Start: 40349, Stop: 40119, Start Num: 52
Candidate Starts for Isca_63:
(34, 40391), (Start: 37 @40379 has 27 MA's), (Start: 52 @40349 has 138 MA's), (82, 40259), (105,
40205),

Gene: Isiphiwo_64 Start: 38635, Stop: 38402, Start Num: 49
Candidate Starts for Isiphiwo_64:

(Start: 49 @38635 has 225 MA's), (57, 38617), (62, 38596), (70, 38569), (74, 38554), (99, 38503), (105, 38488),

Gene: Itos_99 Start: 60306, Stop: 60488, Start Num: 69

Candidate Starts for Itos_99:

(Start: 69 @60306 has 27 MA's), (Start: 80 @60342 has 4 MA's), (Start: 85 @60348 has 15 MA's), (93, 60375), (94, 60381), (101, 60399), (115, 60429), (116, 60441),

Gene: Iwokeuplikedis_67 Start: 40902, Stop: 40669, Start Num: 47

Candidate Starts for Iwokeuplikedis_67:

(22, 40989), (31, 40953), (Start: 47 @40902 has 52 MA's), (57, 40881), (61, 40863), (99, 40770), (100, 40767), (121, 40692),

Gene: JC27_61 Start: 40499, Stop: 40248, Start Num: 83

Candidate Starts for JC27_61:

(Start: 80 @40502 has 4 MA's), (Start: 83 @40499 has 8 MA's), (102, 40448), (109, 40430), (119, 40385),

Gene: JF2_63 Start: 39044, Stop: 38814, Start Num: 52

Candidate Starts for JF2_63:

(34, 39086), (Start: 37 @39074 has 27 MA's), (Start: 52 @39044 has 138 MA's), (82, 38954),

Gene: JF4_63 Start: 39044, Stop: 38814, Start Num: 52

Candidate Starts for JF4_63:

(34, 39086), (Start: 37 @39074 has 27 MA's), (Start: 52 @39044 has 138 MA's), (82, 38954),

Gene: JHC117_66 Start: 41169, Stop: 40939, Start Num: 49

Candidate Starts for JHC117_66:

(Start: 37 @41196 has 27 MA's), (Start: 49 @41169 has 225 MA's), (99, 41040), (116, 40986),

Gene: Jaan_65 Start: 42053, Stop: 41820, Start Num: 47

Candidate Starts for Jaan_65:

(Start: 36 @42092 has 22 MA's), (Start: 37 @42080 has 27 MA's), (Start: 47 @42053 has 52 MA's), (57, 42032), (121, 41843), (124, 41828),

Gene: Jabiru_59 Start: 39387, Stop: 39121, Start Num: 41

Candidate Starts for Jabiru_59:

(Start: 41 @39387 has 6 MA's), (51, 39363), (55, 39354), (116, 39168),

Gene: Jabith_67 Start: 40606, Stop: 40373, Start Num: 49

Candidate Starts for Jabith_67:

(Start: 37 @40648 has 27 MA's), (Start: 49 @40606 has 225 MA's), (57, 40588), (87, 40504), (110, 40444), (112, 40438),

Gene: JackSparrow_61 Start: 40371, Stop: 40237, Start Num: 84

Candidate Starts for JackSparrow_61:

(Start: 84 @40371 has 146 MA's), (118, 40269),

Gene: Jaykayelowell_59 Start: 40457, Stop: 40233, Start Num: 52

Candidate Starts for Jaykayelowell_59:

(Start: 36 @40499 has 22 MA's), (Start: 37 @40487 has 27 MA's), (Start: 52 @40457 has 138 MA's), (60, 40436), (116, 40280), (124, 40241),

Gene: Jeeves_69 Start: 40401, Stop: 40252, Start Num: 49

Candidate Starts for Jeeves_69:

(Start: 49 @40401 has 225 MA's), (57, 40383), (62, 40362),

Gene: Jeffabunny_67 Start: 39179, Stop: 38946, Start Num: 49

Candidate Starts for Jeffabunny_67:

(Start: 37 @39209 has 27 MA's), (Start: 49 @39179 has 225 MA's), (57, 39161), (62, 39140), (70, 39113), (99, 39047), (110, 39020), (116, 38993), (124, 38954),

Gene: JenCasNa_69 Start: 41170, Stop: 40940, Start Num: 49

Candidate Starts for JenCasNa_69:

(Start: 37 @41197 has 27 MA's), (Start: 49 @41170 has 225 MA's), (99, 41041), (116, 40987),

Gene: JeppNRM_69 Start: 41057, Stop: 40827, Start Num: 50

Candidate Starts for JeppNRM_69:

(Start: 50 @41057 has 16 MA's), (105, 40913), (116, 40874),

Gene: Jerm_68 Start: 41727, Stop: 41497, Start Num: 49

Candidate Starts for Jerm_68:

(6, 41976), (31, 41781), (33, 41775), (Start: 49 @41727 has 225 MA's), (57, 41709), (105, 41580), (116, 41541),

Gene: Jerm2_59 Start: 39956, Stop: 39822, Start Num: 84

Candidate Starts for Jerm2_59:

(Start: 84 @39956 has 146 MA's), (118, 39854),

Gene: JetBlade_62 Start: 40458, Stop: 40234, Start Num: 52

Candidate Starts for JetBlade_62:

(Start: 36 @40500 has 22 MA's), (Start: 37 @40488 has 27 MA's), (Start: 52 @40458 has 138 MA's), (60, 40437), (116, 40281), (124, 40242),

Gene: JewelBug_66 Start: 39340, Stop: 39107, Start Num: 49

Candidate Starts for JewelBug_66:

(Start: 49 @39340 has 225 MA's), (57, 39322), (62, 39301), (70, 39274), (74, 39259), (99, 39208), (105, 39193),

Gene: Jiawan_65 Start: 40759, Stop: 40526, Start Num: 49

Candidate Starts for Jiawan_65:

(Start: 49 @40759 has 225 MA's), (57, 40741), (86, 40654), (99, 40627), (117, 40564), (121, 40549),

Gene: Jobu08_66 Start: 41002, Stop: 40772, Start Num: 49

Candidate Starts for Jobu08_66:

(Start: 37 @41029 has 27 MA's), (Start: 49 @41002 has 225 MA's), (99, 40873), (116, 40819), (118, 40804),

Gene: Jobypre_97 Start: 61096, Stop: 61230, Start Num: 85

Candidate Starts for Jobypre_97:

(Start: 85 @61096 has 15 MA's), (95, 61132), (96, 61135), (104, 61147), (118, 61198),

Gene: JoongJeon_61 Start: 40503, Stop: 40237, Start Num: 36

Candidate Starts for JoongJeon_61:

(Start: 36 @40503 has 22 MA's), (Start: 37 @40491 has 27 MA's), (Start: 52 @40461 has 138 MA's), (60, 40440), (116, 40284), (124, 40245),

Gene: Jordennis_65 Start: 38821, Stop: 38588, Start Num: 49
Candidate Starts for Jordennis_65:
(Start: 49 @38821 has 225 MA's), (57, 38803), (62, 38782), (70, 38755), (99, 38689), (105, 38674),

Gene: Jorgensen_59 Start: 39780, Stop: 39646, Start Num: 84
Candidate Starts for Jorgensen_59:
(Start: 84 @39780 has 146 MA's), (118, 39678),

Gene: Joselito_67 Start: 40626, Stop: 40393, Start Num: 49
Candidate Starts for Joselito_67:
(Start: 37 @40668 has 27 MA's), (Start: 49 @40626 has 225 MA's), (57, 40608), (87, 40524), (110, 40464), (112, 40458),

Gene: JoshKayV_67 Start: 41782, Stop: 41552, Start Num: 49
Candidate Starts for JoshKayV_67:
(31, 41836), (33, 41830), (Start: 49 @41782 has 225 MA's), (57, 41764), (105, 41635), (116, 41596),

Gene: Journey13_59 Start: 38823, Stop: 38584, Start Num: 45
Candidate Starts for Journey13_59:
(Start: 45 @38823 has 1 MA's), (54, 38805), (64, 38772), (111, 38655),

Gene: Jsquared_69 Start: 40546, Stop: 40310, Start Num: 47
Candidate Starts for Jsquared_69:
(Start: 37 @40573 has 27 MA's), (Start: 47 @40546 has 52 MA's), (57, 40528), (64, 40495), (99, 40408),

Gene: Jubie_95 Start: 61231, Stop: 61365, Start Num: 85
Candidate Starts for Jubie_95:
(Start: 85 @61231 has 15 MA's), (95, 61267), (96, 61270), (104, 61282), (118, 61333),

Gene: JuliaChild_59 Start: 39638, Stop: 39504, Start Num: 84
Candidate Starts for JuliaChild_59:
(Start: 84 @39638 has 146 MA's), (118, 39536),

Gene: KADY_67 Start: 41198, Stop: 40968, Start Num: 49
Candidate Starts for KADY_67:
(Start: 37 @41225 has 27 MA's), (Start: 49 @41198 has 225 MA's), (99, 41069),

Gene: KBG_59 Start: 41762, Stop: 41628, Start Num: 84
Candidate Starts for KBG_59:
(Start: 84 @41762 has 146 MA's), (118, 41660),

Gene: KFPoly_61 Start: 40500, Stop: 40234, Start Num: 36
Candidate Starts for KFPoly_61:
(Start: 36 @40500 has 22 MA's), (Start: 37 @40488 has 27 MA's), (Start: 52 @40458 has 138 MA's), (60, 40437), (116, 40281), (124, 40242),

Gene: KSSJEB_58 Start: 39422, Stop: 39279, Start Num: 78
Candidate Starts for KSSJEB_58:
(Start: 78 @39422 has 46 MA's), (118, 39311),

Gene: Kachowdy_63 Start: 40839, Stop: 40609, Start Num: 52

Candidate Starts for Kachowdy_63:

(34, 40881), (Start: 37 @40869 has 27 MA's), (Start: 52 @40839 has 138 MA's), (65, 40794),

Gene: Kahlid_98 Start: 61111, Stop: 61293, Start Num: 69

Candidate Starts for Kahlid_98:

(Start: 69 @61111 has 27 MA's), (Start: 80 @61147 has 4 MA's), (Start: 85 @61153 has 15 MA's), (93, 61180), (94, 61186), (101, 61204), (115, 61234), (116, 61246),

Gene: Kalb97_69 Start: 41055, Stop: 40825, Start Num: 50

Candidate Starts for Kalb97_69:

(Start: 50 @41055 has 16 MA's), (105, 40911), (116, 40872),

Gene: Kalnoky_69 Start: 41053, Stop: 40823, Start Num: 50

Candidate Starts for Kalnoky_69:

(Start: 50 @41053 has 16 MA's), (105, 40909), (116, 40870),

Gene: Kalpine_65 Start: 41568, Stop: 41335, Start Num: 49

Candidate Starts for Kalpine_65:

(23, 41655), (24, 41652), (Start: 37 @41598 has 27 MA's), (Start: 49 @41568 has 225 MA's), (57, 41550), (86, 41463), (99, 41436), (105, 41421), (121, 41358),

Gene: Kampy_61 Start: 40466, Stop: 40242, Start Num: 52

Candidate Starts for Kampy_61:

(Start: 36 @40508 has 22 MA's), (Start: 37 @40496 has 27 MA's), (Start: 52 @40466 has 138 MA's), (60, 40445), (116, 40289), (124, 40250),

Gene: Kanely_60 Start: 40359, Stop: 40225, Start Num: 84

Candidate Starts for Kanely_60:

(Start: 84 @40359 has 146 MA's), (118, 40257),

Gene: Katalie136_60 Start: 40304, Stop: 40080, Start Num: 52

Candidate Starts for Katalie136_60:

(Start: 36 @40346 has 22 MA's), (Start: 37 @40334 has 27 MA's), (Start: 52 @40304 has 138 MA's), (115, 40139), (116, 40127),

Gene: Kazan_67 Start: 39074, Stop: 38841, Start Num: 49

Candidate Starts for Kazan_67:

(Start: 49 @39074 has 225 MA's), (57, 39056), (62, 39035), (70, 39008), (74, 38993), (99, 38942), (105, 38927),

Gene: Kenmech_63 Start: 42006, Stop: 41872, Start Num: 84

Candidate Starts for Kenmech_63:

(Start: 84 @42006 has 146 MA's), (118, 41904),

Gene: Kerberos_68 Start: 41300, Stop: 41064, Start Num: 47

Candidate Starts for Kerberos_68:

(15, 41453), (Start: 37 @41327 has 27 MA's), (Start: 47 @41300 has 52 MA's), (57, 41282), (64, 41249), (99, 41162),

Gene: Keziacharles14_66 Start: 41498, Stop: 41355, Start Num: 49

Candidate Starts for Keziacharles14_66:

(Start: 49 @41498 has 225 MA's), (57, 41480), (64, 41447), (114, 41363),

Gene: Killigrew_58 Start: 40539, Stop: 40405, Start Num: 84
Candidate Starts for Killigrew_58:
(Start: 84 @40539 has 146 MA's), (118, 40437),

Gene: Kimona_60 Start: 39068, Stop: 38832, Start Num: 47
Candidate Starts for Kimona_60:
(7, 39287), (Start: 47 @39068 has 52 MA's), (57, 39047), (64, 39014), (115, 38891),

Gene: KingCyrus_67 Start: 42932, Stop: 42702, Start Num: 49
Candidate Starts for KingCyrus_67:
(6, 43184), (9, 43136), (31, 42986), (Start: 49 @42932 has 225 MA's), (57, 42914), (105, 42785), (116, 42746),

Gene: Kingmustik0402_62 Start: 40453, Stop: 40229, Start Num: 52
Candidate Starts for Kingmustik0402_62:
(Start: 36 @40495 has 22 MA's), (Start: 37 @40483 has 27 MA's), (Start: 52 @40453 has 138 MA's), (60, 40432), (116, 40276), (124, 40237),

Gene: Kingsolomon_94 Start: 61205, Stop: 61339, Start Num: 85
Candidate Starts for Kingsolomon_94:
(Start: 85 @61205 has 15 MA's), (95, 61241), (96, 61244), (104, 61256), (118, 61307),

Gene: Kinmap_66 Start: 39557, Stop: 39321, Start Num: 47
Candidate Starts for Kinmap_66:
(Start: 37 @39584 has 27 MA's), (Start: 47 @39557 has 52 MA's), (57, 39539), (59, 39533), (63, 39509),

Gene: Kipper29_66 Start: 39087, Stop: 38854, Start Num: 49
Candidate Starts for Kipper29_66:
(Start: 49 @39087 has 225 MA's), (57, 39069), (62, 39048), (70, 39021), (74, 39006), (99, 38955), (105, 38940),

Gene: KirDoubleO7_94 Start: 61289, Stop: 61423, Start Num: 85
Candidate Starts for KirDoubleO7_94:
(Start: 77 @61274 has 1 MA's), (Start: 85 @61289 has 15 MA's), (95, 61325), (96, 61328), (104, 61340), (118, 61391),

Gene: KittenMittens_58 Start: 39185, Stop: 38949, Start Num: 47
Candidate Starts for KittenMittens_58:
(Start: 47 @39185 has 52 MA's), (57, 39164), (62, 39143), (99, 39050), (105, 39035),

Gene: Koduck_67 Start: 40131, Stop: 39895, Start Num: 47
Candidate Starts for Koduck_67:
(Start: 37 @40158 has 27 MA's), (Start: 47 @40131 has 52 MA's), (57, 40113), (64, 40080), (99, 39993),

Gene: Koko_69 Start: 40037, Stop: 39804, Start Num: 49
Candidate Starts for Koko_69:
(Start: 37 @40067 has 27 MA's), (Start: 49 @40037 has 225 MA's), (57, 40019), (62, 39998), (70, 39971), (99, 39905), (110, 39878), (116, 39851), (124, 39812),

Gene: Koreni_61 Start: 40145, Stop: 39921, Start Num: 52
Candidate Starts for Koreni_61:

(Start: 36 @40187 has 22 MA's), (Start: 37 @40175 has 27 MA's), (Start: 52 @40145 has 138 MA's), (60, 40124), (116, 39968), (124, 39929),

Gene: Kratark_61 Start: 40504, Stop: 40238, Start Num: 36

Candidate Starts for Kratark_61:

(Start: 36 @40504 has 22 MA's), (Start: 37 @40492 has 27 MA's), (Start: 52 @40462 has 138 MA's), (60, 40441), (116, 40285), (124, 40246),

Gene: Kremtemulon_62 Start: 40570, Stop: 40346, Start Num: 52

Candidate Starts for Kremtemulon_62:

(Start: 36 @40612 has 22 MA's), (Start: 37 @40600 has 27 MA's), (Start: 52 @40570 has 138 MA's), (60, 40549), (116, 40393),

Gene: Kristoff_61 Start: 40482, Stop: 40249, Start Num: 47

Candidate Starts for Kristoff_61:

(Start: 37 @40509 has 27 MA's), (Start: 47 @40482 has 52 MA's), (57, 40461), (Start: 84 @40377 has 146 MA's),

Gene: Krypton555_99 Start: 61780, Stop: 61914, Start Num: 85

Candidate Starts for Krypton555_99:

(Start: 77 @61765 has 1 MA's), (Start: 85 @61780 has 15 MA's), (95, 61816), (96, 61819), (104, 61831), (118, 61882), (120, 61888),

Gene: Kugel_58 Start: 40607, Stop: 40473, Start Num: 84

Candidate Starts for Kugel_58:

(Start: 84 @40607 has 146 MA's), (118, 40505),

Gene: KyMonks1A_61 Start: 40000, Stop: 39857, Start Num: 78

Candidate Starts for KyMonks1A_61:

(Start: 78 @40000 has 46 MA's), (118, 39889),

Gene: Kyee_62 Start: 40462, Stop: 40238, Start Num: 52

Candidate Starts for Kyee_62:

(Start: 36 @40504 has 22 MA's), (Start: 37 @40492 has 27 MA's), (Start: 52 @40462 has 138 MA's), (60, 40441), (116, 40285), (124, 40246),

Gene: Kykar_58 Start: 39437, Stop: 39303, Start Num: 84

Candidate Starts for Kykar_58:

(Start: 84 @39437 has 146 MA's), (118, 39335),

Gene: L5_63 Start: 40284, Stop: 40048, Start Num: 47

Candidate Starts for L5_63:

(Start: 37 @40311 has 27 MA's), (Start: 47 @40284 has 52 MA's), (57, 40266), (64, 40233), (99, 40146),

Gene: LBerry_69 Start: 41174, Stop: 40944, Start Num: 49

Candidate Starts for LBerry_69:

(Start: 37 @41201 has 27 MA's), (Start: 49 @41174 has 225 MA's), (99, 41045), (116, 40991),

Gene: LHTSCC_64 Start: 40867, Stop: 40643, Start Num: 52

Candidate Starts for LHTSCC_64:

(Start: 36 @40909 has 22 MA's), (Start: 37 @40897 has 27 MA's), (Start: 52 @40867 has 138 MA's), (60, 40846), (116, 40690), (124, 40651),

Gene: LadyBird_70 Start: 42006, Stop: 41776, Start Num: 49
Candidate Starts for LadyBird_70:
(Start: 49 @42006 has 225 MA's), (57, 41988), (105, 41859), (116, 41820),

Gene: Lambert1_64 Start: 40846, Stop: 40643, Start Num: 52
Candidate Starts for Lambert1_64:
(Start: 37 @40876 has 27 MA's), (Start: 52 @40846 has 138 MA's), (103, 40717), (124, 40651),

Gene: Lamina13_60 Start: 39739, Stop: 39605, Start Num: 84
Candidate Starts for Lamina13_60:
(Start: 84 @39739 has 146 MA's), (118, 39637),

Gene: Landor_65 Start: 41962, Stop: 41726, Start Num: 47
Candidate Starts for Landor_65:
(Start: 37 @41989 has 27 MA's), (Start: 47 @41962 has 52 MA's), (57, 41941), (121, 41749), (124, 41734),

Gene: LappelDuVide_62 Start: 40463, Stop: 40239, Start Num: 52
Candidate Starts for LappelDuVide_62:
(Start: 36 @40505 has 22 MA's), (Start: 37 @40493 has 27 MA's), (Start: 52 @40463 has 138 MA's), (60, 40442), (116, 40286), (124, 40247),

Gene: Larenn_63 Start: 41019, Stop: 40783, Start Num: 47
Candidate Starts for Larenn_63:
(24, 41103), (Start: 37 @41049 has 27 MA's), (Start: 47 @41019 has 52 MA's), (57, 40998), (61, 40980), (105, 40869), (116, 40830),

Gene: LarryKay_68 Start: 41200, Stop: 40970, Start Num: 49
Candidate Starts for LarryKay_68:
(Start: 37 @41227 has 27 MA's), (Start: 49 @41200 has 225 MA's), (99, 41071), (116, 41017),

Gene: Lemur_62 Start: 40503, Stop: 40237, Start Num: 36
Candidate Starts for Lemur_62:
(Start: 36 @40503 has 22 MA's), (Start: 37 @40491 has 27 MA's), (Start: 52 @40461 has 138 MA's), (60, 40440), (116, 40284), (124, 40245),

Gene: LeoAvram_61 Start: 40467, Stop: 40243, Start Num: 52
Candidate Starts for LeoAvram_61:
(Start: 36 @40509 has 22 MA's), (Start: 37 @40497 has 27 MA's), (Start: 52 @40467 has 138 MA's), (60, 40446), (116, 40290), (124, 40251),

Gene: Leogania_67 Start: 42317, Stop: 42087, Start Num: 49
Candidate Starts for Leogania_67:
(Start: 37 @42347 has 27 MA's), (Start: 49 @42317 has 225 MA's), (57, 42299), (116, 42134), (121, 42110),

Gene: Lesedi_54 Start: 38344, Stop: 38210, Start Num: 84
Candidate Starts for Lesedi_54:
(Start: 84 @38344 has 146 MA's), (118, 38242),

Gene: Leviathan_68 Start: 41799, Stop: 41569, Start Num: 49
Candidate Starts for Leviathan_68:

(Start: 49 @41799 has 225 MA's), (57, 41781), (105, 41652), (116, 41613),

Gene: Lewan_100 Start: 61399, Stop: 61581, Start Num: 69

Candidate Starts for Lewan_100:

(Start: 69 @61399 has 27 MA's), (Start: 80 @61435 has 4 MA's), (Start: 85 @61441 has 15 MA's), (93, 61468), (94, 61474), (101, 61492), (115, 61522), (116, 61534),

Gene: Licorice_60 Start: 41831, Stop: 41574, Start Num: 80

Candidate Starts for Licorice_60:

(Start: 80 @41831 has 4 MA's), (102, 41774), (109, 41756),

Gene: LilBib_58 Start: 41131, Stop: 40988, Start Num: 78

Candidate Starts for LilBib_58:

(Start: 78 @41131 has 46 MA's), (118, 41020),

Gene: LilDestine_97 Start: 61070, Stop: 61252, Start Num: 69

Candidate Starts for LilDestine_97:

(Start: 69 @61070 has 27 MA's), (Start: 80 @61106 has 4 MA's), (Start: 85 @61112 has 15 MA's), (93, 61139), (94, 61145), (101, 61163), (115, 61193), (116, 61205),

Gene: LilTurb_67 Start: 41609, Stop: 41379, Start Num: 49

Candidate Starts for LilTurb_67:

(6, 41858), (31, 41663), (33, 41657), (Start: 49 @41609 has 225 MA's), (57, 41591), (105, 41462), (116, 41423),

Gene: Lilbunny_66 Start: 39183, Stop: 38950, Start Num: 49

Candidate Starts for Lilbunny_66:

(Start: 37 @39213 has 27 MA's), (Start: 49 @39183 has 225 MA's), (57, 39165), (62, 39144), (70, 39117), (99, 39051), (110, 39024), (116, 38997), (124, 38958),

Gene: Lilith_67 Start: 41163, Stop: 40933, Start Num: 49

Candidate Starts for Lilith_67:

(Start: 37 @41190 has 27 MA's), (Start: 49 @41163 has 225 MA's), (99, 41034), (116, 40980),

Gene: Lilleskat_64 Start: 40511, Stop: 40362, Start Num: 49

Candidate Starts for Lilleskat_64:

(Start: 49 @40511 has 225 MA's), (57, 40493), (70, 40445),

Gene: LittleB_62 Start: 40465, Stop: 40241, Start Num: 52

Candidate Starts for LittleB_62:

(Start: 36 @40507 has 22 MA's), (Start: 37 @40495 has 27 MA's), (Start: 52 @40465 has 138 MA's), (60, 40444), (116, 40288), (124, 40249),

Gene: LittleGuy_62 Start: 40390, Stop: 40136, Start Num: 37

Candidate Starts for LittleGuy_62:

(Start: 36 @40402 has 22 MA's), (Start: 37 @40390 has 27 MA's), (Start: 52 @40360 has 138 MA's), (60, 40339), (116, 40183), (124, 40144),

Gene: LiyuLake_95 Start: 61362, Stop: 61496, Start Num: 85

Candidate Starts for LiyuLake_95:

(Start: 77 @61347 has 1 MA's), (Start: 85 @61362 has 15 MA's), (95, 61398), (96, 61401), (104, 61413), (118, 61464),

Gene: Loadrie_98 Start: 61561, Stop: 61743, Start Num: 69

Candidate Starts for Loadrie_98:

(Start: 69 @61561 has 27 MA's), (Start: 80 @61597 has 4 MA's), (Start: 85 @61603 has 15 MA's), (93, 61630), (94, 61636), (101, 61654), (115, 61684), (116, 61696),

Gene: LochMonster_63 Start: 40703, Stop: 40479, Start Num: 52

Candidate Starts for LochMonster_63:

(Start: 36 @40745 has 22 MA's), (Start: 37 @40733 has 27 MA's), (Start: 52 @40703 has 138 MA's), (60, 40682), (116, 40526), (124, 40487),

Gene: Lockley_56 Start: 39400, Stop: 39257, Start Num: 78

Candidate Starts for Lockley_56:

(Start: 78 @39400 has 46 MA's), (118, 39289),

Gene: Lokk_61 Start: 40288, Stop: 40058, Start Num: 49

Candidate Starts for Lokk_61:

(Start: 49 @40288 has 225 MA's), (57, 40270), (86, 40183), (100, 40156), (116, 40105), (124, 40066),

Gene: Lolly9_96 Start: 61453, Stop: 61587, Start Num: 85

Candidate Starts for Lolly9_96:

(Start: 77 @61438 has 1 MA's), (Start: 85 @61453 has 15 MA's), (95, 61489), (96, 61492), (104, 61504), (118, 61555),

Gene: LoneWolf_68 Start: 40713, Stop: 40483, Start Num: 49

Candidate Starts for LoneWolf_68:

(Start: 49 @40713 has 225 MA's), (57, 40695), (117, 40518), (121, 40503),

Gene: Lopton_58 Start: 41812, Stop: 41678, Start Num: 84

Candidate Starts for Lopton_58:

(Start: 84 @41812 has 146 MA's), (118, 41710),

Gene: Lorenzo_62 Start: 40464, Stop: 40240, Start Num: 52

Candidate Starts for Lorenzo_62:

(Start: 36 @40506 has 22 MA's), (Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's), (60, 40443), (116, 40287), (124, 40248),

Gene: Loser_68 Start: 41965, Stop: 41732, Start Num: 49

Candidate Starts for Loser_68:

(Start: 37 @41995 has 27 MA's), (Start: 49 @41965 has 225 MA's), (57, 41947), (64, 41914), (99, 41833), (105, 41818),

Gene: Louie6_67 Start: 41199, Stop: 40969, Start Num: 50

Candidate Starts for Louie6_67:

(Start: 50 @41199 has 16 MA's), (99, 41070),

Gene: Luchador_68 Start: 41978, Stop: 41829, Start Num: 49

Candidate Starts for Luchador_68:

(Start: 37 @42008 has 27 MA's), (Start: 49 @41978 has 225 MA's), (57, 41960), (62, 41939),

Gene: Lucivia_67 Start: 40675, Stop: 40442, Start Num: 49

Candidate Starts for Lucivia_67:

(Start: 49 @40675 has 225 MA's), (57, 40657), (87, 40573), (110, 40513), (112, 40507),

Gene: Lucyedi_67 Start: 40607, Stop: 40374, Start Num: 47

Candidate Starts for Lucyedi_67:

(Start: 37 @40634 has 27 MA's), (Start: 47 @40607 has 52 MA's), (57, 40586), (115, 40433),

Gene: LugYA_71 Start: 41171, Stop: 40941, Start Num: 49

Candidate Starts for LugYA_71:

(Start: 37 @41198 has 27 MA's), (Start: 49 @41171 has 225 MA's), (99, 41042), (116, 40988),

Gene: Lumos_96 Start: 61093, Stop: 61227, Start Num: 85

Candidate Starts for Lumos_96:

(Start: 85 @61093 has 15 MA's), (95, 61129), (96, 61132), (104, 61144), (118, 61195),

Gene: Lunsford_63 Start: 40458, Stop: 40234, Start Num: 52

Candidate Starts for Lunsford_63:

(Start: 36 @40500 has 22 MA's), (Start: 37 @40488 has 27 MA's), (Start: 52 @40458 has 138 MA's), (60, 40437), (116, 40281), (124, 40242),

Gene: MA5_65 Start: 40253, Stop: 40023, Start Num: 52

Candidate Starts for MA5_65:

(34, 40295), (Start: 37 @40283 has 27 MA's), (Start: 52 @40253 has 138 MA's), (82, 40163),

Gene: MK4_65 Start: 40328, Stop: 40098, Start Num: 52

Candidate Starts for MK4_65:

(34, 40370), (Start: 37 @40358 has 27 MA's), (Start: 52 @40328 has 138 MA's), (82, 40238),

Gene: MPlant7149_57 Start: 38517, Stop: 38383, Start Num: 84

Candidate Starts for MPlant7149_57:

(Start: 84 @38517 has 146 MA's), (118, 38415),

Gene: MaCh_66 Start: 40605, Stop: 40372, Start Num: 49

Candidate Starts for MaCh_66:

(Start: 37 @40647 has 27 MA's), (Start: 49 @40605 has 225 MA's), (57, 40587), (87, 40503), (110, 40443), (112, 40437),

Gene: Mabel_66 Start: 40622, Stop: 40389, Start Num: 49

Candidate Starts for Mabel_66:

(Start: 49 @40622 has 225 MA's), (57, 40604), (87, 40520), (110, 40460), (112, 40454),

Gene: MadMarie_68 Start: 41172, Stop: 40942, Start Num: 49

Candidate Starts for MadMarie_68:

(Start: 37 @41199 has 27 MA's), (Start: 49 @41172 has 225 MA's), (99, 41043), (116, 40989),

Gene: Magnar_56 Start: 39959, Stop: 39825, Start Num: 84

Candidate Starts for Magnar_56:

(Start: 84 @39959 has 146 MA's), (118, 39857),

Gene: Magnito_57 Start: 39684, Stop: 39550, Start Num: 84

Candidate Starts for Magnito_57:

(Start: 84 @39684 has 146 MA's), (118, 39582),

Gene: Mainiac_68 Start: 41164, Stop: 40934, Start Num: 49

Candidate Starts for Mainiac_68:

(Start: 37 @41191 has 27 MA's), (Start: 49 @41164 has 225 MA's), (99, 41035), (116, 40981),

Gene: MajorMajor_67 Start: 40388, Stop: 40152, Start Num: 47
Candidate Starts for MajorMajor_67:
(27, 40448), (Start: 37 @40415 has 27 MA's), (Start: 47 @40388 has 52 MA's), (57, 40370), (64, 40337), (99, 40250),

Gene: Makemake_59 Start: 40359, Stop: 40216, Start Num: 78
Candidate Starts for Makemake_59:
(Start: 78 @40359 has 46 MA's), (118, 40248),

Gene: Malec_64 Start: 41586, Stop: 41350, Start Num: 47
Candidate Starts for Malec_64:
(24, 41670), (Start: 37 @41616 has 27 MA's), (Start: 47 @41586 has 52 MA's), (57, 41565), (61, 41547), (105, 41436), (116, 41397),

Gene: Malinsilva_70 Start: 41162, Stop: 40932, Start Num: 49
Candidate Starts for Malinsilva_70:
(Start: 37 @41189 has 27 MA's), (Start: 49 @41162 has 225 MA's), (99, 41033), (116, 40979),

Gene: Maminiaina_67 Start: 40688, Stop: 40455, Start Num: 49
Candidate Starts for Maminiaina_67:
(Start: 49 @40688 has 225 MA's), (57, 40670), (99, 40556), (121, 40478),

Gene: Manatee_59 Start: 40057, Stop: 39914, Start Num: 78
Candidate Starts for Manatee_59:
(Start: 78 @40057 has 46 MA's),

Gene: Manu_68 Start: 41056, Stop: 40826, Start Num: 50
Candidate Starts for Manu_68:
(Start: 50 @41056 has 16 MA's), (105, 40912), (116, 40873),

Gene: MarQuardt_68 Start: 41172, Stop: 40942, Start Num: 49
Candidate Starts for MarQuardt_68:
(Start: 37 @41199 has 27 MA's), (Start: 49 @41172 has 225 MA's), (99, 41043), (116, 40989),

Gene: Marcell_55 Start: 38966, Stop: 38832, Start Num: 84
Candidate Starts for Marcell_55:
(Start: 84 @38966 has 146 MA's), (118, 38864),

Gene: Marchesa_63 Start: 40789, Stop: 40559, Start Num: 52
Candidate Starts for Marchesa_63:
(34, 40831), (Start: 37 @40819 has 27 MA's), (Start: 52 @40789 has 138 MA's), (65, 40744),

Gene: Marchy_53 Start: 37054, Stop: 36920, Start Num: 84
Candidate Starts for Marchy_53:
(Start: 84 @37054 has 146 MA's), (118, 36952),

Gene: Marge_57 Start: 39855, Stop: 39721, Start Num: 84
Candidate Starts for Marge_57:
(Start: 84 @39855 has 146 MA's), (118, 39753),

Gene: Margo_64 Start: 40872, Stop: 40669, Start Num: 52
Candidate Starts for Margo_64:

(Start: 37 @40902 has 27 MA's), (Start: 52 @40872 has 138 MA's), (103, 40743), (124, 40677),

Gene: Marie_66 Start: 41170, Stop: 40940, Start Num: 49

Candidate Starts for Marie_66:

(Start: 37 @41197 has 27 MA's), (Start: 49 @41170 has 225 MA's), (99, 41041), (116, 40987),

Gene: Marius_69 Start: 41053, Stop: 40823, Start Num: 50

Candidate Starts for Marius_69:

(Start: 50 @41053 has 16 MA's), (105, 40909), (116, 40870),

Gene: Maroc7_56 Start: 40254, Stop: 40120, Start Num: 84

Candidate Starts for Maroc7_56:

(Start: 84 @40254 has 146 MA's), (118, 40152),

Gene: Marsha_57 Start: 40396, Stop: 40262, Start Num: 84

Candidate Starts for Marsha_57:

(Start: 84 @40396 has 146 MA's), (118, 40294),

Gene: MaryBeth_57 Start: 40279, Stop: 40136, Start Num: 78

Candidate Starts for MaryBeth_57:

(Start: 78 @40279 has 46 MA's),

Gene: Maverick_61 Start: 40494, Stop: 40240, Start Num: 37

Candidate Starts for Maverick_61:

(Start: 36 @40506 has 22 MA's), (Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's), (60, 40443), (116, 40287), (124, 40248),

Gene: Maxo_63 Start: 40466, Stop: 40242, Start Num: 52

Candidate Starts for Maxo_63:

(Start: 36 @40508 has 22 MA's), (Start: 37 @40496 has 27 MA's), (Start: 52 @40466 has 138 MA's), (60, 40445), (116, 40289), (124, 40250),

Gene: Mazhar510_62 Start: 40465, Stop: 40241, Start Num: 52

Candidate Starts for Mazhar510_62:

(Start: 36 @40507 has 22 MA's), (Start: 37 @40495 has 27 MA's), (Start: 52 @40465 has 138 MA's), (60, 40444), (116, 40288), (124, 40249),

Gene: McFly_66 Start: 39068, Stop: 38835, Start Num: 49

Candidate Starts for McFly_66:

(Start: 49 @39068 has 225 MA's), (57, 39050), (62, 39029), (70, 39002), (74, 38987), (99, 38936), (105, 38921),

Gene: McGuire_60 Start: 39619, Stop: 39485, Start Num: 84

Candidate Starts for McGuire_60:

(Start: 84 @39619 has 146 MA's), (118, 39517),

Gene: Medusa_62 Start: 40508, Stop: 40254, Start Num: 37

Candidate Starts for Medusa_62:

(Start: 36 @40520 has 22 MA's), (Start: 37 @40508 has 27 MA's), (Start: 52 @40478 has 138 MA's), (60, 40457), (116, 40301), (124, 40262),

Gene: MeeZee_61 Start: 40461, Stop: 40237, Start Num: 52

Candidate Starts for MeeZee_61:

(Start: 36 @40503 has 22 MA's), (Start: 37 @40491 has 27 MA's), (Start: 52 @40461 has 138 MA's), (60, 40440), (116, 40284), (124, 40245),

Gene: Melvin_64 Start: 40459, Stop: 40235, Start Num: 52

Candidate Starts for Melvin_64:

(Start: 36 @40501 has 22 MA's), (Start: 37 @40489 has 27 MA's), (Start: 52 @40459 has 138 MA's), (60, 40438), (116, 40282), (124, 40243),

Gene: MetalQZJ_56 Start: 40279, Stop: 40136, Start Num: 78

Candidate Starts for MetalQZJ_56:

(Start: 78 @40279 has 46 MA's),

Gene: Methuselah_63 Start: 41194, Stop: 40964, Start Num: 49

Candidate Starts for Methuselah_63:

(Start: 37 @41221 has 27 MA's), (Start: 49 @41194 has 225 MA's), (99, 41065), (116, 41011),

Gene: Michley_58 Start: 39990, Stop: 39856, Start Num: 84

Candidate Starts for Michley_58:

(71, 40020), (Start: 84 @39990 has 146 MA's), (118, 39888),

Gene: Microwolf_66 Start: 41186, Stop: 40956, Start Num: 49

Candidate Starts for Microwolf_66:

(Start: 37 @41213 has 27 MA's), (Start: 49 @41186 has 225 MA's), (99, 41057), (116, 41003),

Gene: MiculUcigas_65 Start: 40639, Stop: 40409, Start Num: 49

Candidate Starts for MiculUcigas_65:

(Start: 49 @40639 has 225 MA's), (57, 40621), (61, 40603), (70, 40573), (116, 40456), (121, 40432),

Gene: Miko_61 Start: 41066, Stop: 40836, Start Num: 49

Candidate Starts for Miko_61:

(Start: 49 @41066 has 225 MA's), (57, 41048), (100, 40934), (116, 40883), (124, 40844),

Gene: Miley16_99 Start: 61842, Stop: 62027, Start Num: 67

Candidate Starts for Miley16_99:

(Start: 67 @61842 has 4 MA's), (Start: 69 @61845 has 27 MA's), (76, 61869), (Start: 80 @61881 has 4 MA's), (Start: 85 @61887 has 15 MA's), (101, 61938), (115, 61968), (116, 61980), (118, 61995),

Gene: Millski_61 Start: 40507, Stop: 40241, Start Num: 36

Candidate Starts for Millski_61:

(Start: 36 @40507 has 22 MA's), (Start: 37 @40495 has 27 MA's), (Start: 52 @40465 has 138 MA's), (60, 40444), (116, 40288), (124, 40249),

Gene: MiniLon_101 Start: 61454, Stop: 61588, Start Num: 85

Candidate Starts for MiniLon_101:

(Start: 77 @61439 has 1 MA's), (Start: 85 @61454 has 15 MA's), (95, 61490), (96, 61493), (104, 61505), (118, 61556),

Gene: MiniMac_101 Start: 61434, Stop: 61583, Start Num: 77

Candidate Starts for MiniMac_101:

(Start: 77 @61434 has 1 MA's), (Start: 85 @61449 has 15 MA's), (95, 61485), (96, 61488), (104, 61500), (118, 61551),

Gene: Miramae_59 Start: 39753, Stop: 39529, Start Num: 52

Candidate Starts for Miramae_59:

(Start: 36 @39795 has 22 MA's), (Start: 37 @39783 has 27 MA's), (Start: 52 @39753 has 138 MA's), (60, 39732),

Gene: Misomonster_69 Start: 41224, Stop: 40967, Start Num: 37

Candidate Starts for Misomonster_69:

(Start: 37 @41224 has 27 MA's), (Start: 49 @41197 has 225 MA's), (99, 41068),

Gene: MissWhite_66 Start: 40337, Stop: 40101, Start Num: 47

Candidate Starts for MissWhite_66:

(32, 40382), (Start: 37 @40364 has 27 MA's), (Start: 47 @40337 has 52 MA's), (57, 40319), (64, 40286), (99, 40199),

Gene: MkaliMitinis3_101 Start: 61525, Stop: 61707, Start Num: 69

Candidate Starts for MkaliMitinis3_101:

(Start: 69 @61525 has 27 MA's), (Start: 80 @61561 has 4 MA's), (Start: 85 @61567 has 15 MA's), (93, 61594), (94, 61600), (101, 61618), (115, 61648), (116, 61660),

Gene: Mkhuseli_56 Start: 38717, Stop: 38583, Start Num: 84

Candidate Starts for Mkhuseli_56:

(Start: 84 @38717 has 146 MA's), (118, 38615),

Gene: Molly_59 Start: 38935, Stop: 38801, Start Num: 84

Candidate Starts for Molly_59:

(Start: 84 @38935 has 146 MA's), (118, 38833),

Gene: Monet_61 Start: 41021, Stop: 40887, Start Num: 84

Candidate Starts for Monet_61:

(Start: 84 @41021 has 146 MA's), (118, 40919),

Gene: MoneyMay_67 Start: 41170, Stop: 40940, Start Num: 49

Candidate Starts for MoneyMay_67:

(Start: 37 @41197 has 27 MA's), (Start: 49 @41170 has 225 MA's), (99, 41041), (116, 40987),

Gene: Moose_57 Start: 39132, Stop: 38998, Start Num: 84

Candidate Starts for Moose_57:

(Start: 84 @39132 has 146 MA's), (118, 39030),

Gene: Moostard_93 Start: 61200, Stop: 61334, Start Num: 85

Candidate Starts for Moostard_93:

(Start: 85 @61200 has 15 MA's), (95, 61236), (96, 61239), (104, 61251), (118, 61302),

Gene: Morpher26_60 Start: 40325, Stop: 40101, Start Num: 52

Candidate Starts for Morpher26_60:

(Start: 36 @40367 has 22 MA's), (Start: 37 @40355 has 27 MA's), (Start: 52 @40325 has 138 MA's), (115, 40160), (116, 40148),

Gene: Morrow_63 Start: 40470, Stop: 40246, Start Num: 52

Candidate Starts for Morrow_63:

(Start: 36 @40512 has 22 MA's), (Start: 37 @40500 has 27 MA's), (Start: 52 @40470 has 138 MA's), (60, 40449), (116, 40293), (124, 40254),

Gene: MrGordo_58 Start: 39793, Stop: 39659, Start Num: 84

Candidate Starts for MrGordo_58:
(Start: 84 @39793 has 146 MA's), (118, 39691),

Gene: Mryolo_55 Start: 39838, Stop: 39704, Start Num: 84
Candidate Starts for Mryolo_55:
(Start: 84 @39838 has 146 MA's),

Gene: MsGreen_96 Start: 61095, Stop: 61229, Start Num: 85
Candidate Starts for MsGreen_96:
(Start: 85 @61095 has 15 MA's), (95, 61131), (96, 61134), (104, 61146), (118, 61197),

Gene: MuchMore_71 Start: 41162, Stop: 40932, Start Num: 49
Candidate Starts for MuchMore_71:
(Start: 37 @41189 has 27 MA's), (Start: 49 @41162 has 225 MA's), (99, 41033), (116, 40979),

Gene: Mulciber_65 Start: 40163, Stop: 39930, Start Num: 49
Candidate Starts for Mulciber_65:
(Start: 49 @40163 has 225 MA's), (57, 40145), (87, 40061), (110, 40001), (112, 39995),

Gene: Mule_56 Start: 38388, Stop: 38254, Start Num: 84
Candidate Starts for Mule_56:
(Start: 84 @38388 has 146 MA's), (118, 38286),

Gene: Munch_66 Start: 40626, Stop: 40393, Start Num: 49
Candidate Starts for Munch_66:
(Start: 49 @40626 has 225 MA's), (57, 40608), (87, 40524), (110, 40464), (112, 40458),

Gene: Mundrea_60 Start: 40317, Stop: 40093, Start Num: 52
Candidate Starts for Mundrea_60:
(Start: 36 @40359 has 22 MA's), (Start: 37 @40347 has 27 MA's), (Start: 52 @40317 has 138 MA's),
(60, 40296),

Gene: Museum_59 Start: 40085, Stop: 39951, Start Num: 84
Candidate Starts for Museum_59:
(Start: 84 @40085 has 146 MA's), (118, 39983),

Gene: MyraDee_64 Start: 37954, Stop: 37787, Start Num: 73
Candidate Starts for MyraDee_64:
(1, 38476), (2, 38458), (15, 38206), (Start: 73 @37954 has 1 MA's), (Start: 80 @37930 has 4 MA's),
(98, 37882), (115, 37846), (117, 37825),

Gene: Myxus_68 Start: 40727, Stop: 40578, Start Num: 49
Candidate Starts for Myxus_68:
(Start: 49 @40727 has 225 MA's), (57, 40709), (70, 40661),

Gene: NEHalo_56 Start: 39867, Stop: 39733, Start Num: 84
Candidate Starts for NEHalo_56:
(Start: 84 @39867 has 146 MA's), (118, 39765),

Gene: NaSiaTalie_65 Start: 40733, Stop: 40503, Start Num: 49
Candidate Starts for NaSiaTalie_65:
(Start: 49 @40733 has 225 MA's), (57, 40715), (61, 40697), (70, 40667), (116, 40550), (121, 40526),

Gene: Naira_61 Start: 41695, Stop: 41561, Start Num: 84

Candidate Starts for Naira_61:

(Start: 84 @41695 has 146 MA's), (118, 41593),

Gene: Naji_68 Start: 41301, Stop: 41065, Start Num: 47

Candidate Starts for Naji_68:

(15, 41454), (Start: 37 @41328 has 27 MA's), (Start: 47 @41301 has 52 MA's), (57, 41283), (64, 41250), (99, 41163),

Gene: Nebs_63 Start: 40467, Stop: 40243, Start Num: 52

Candidate Starts for Nebs_63:

(Start: 36 @40509 has 22 MA's), (Start: 37 @40497 has 27 MA's), (Start: 52 @40467 has 138 MA's), (60, 40446), (116, 40290), (124, 40251),

Gene: Neeharika16_65 Start: 38528, Stop: 38295, Start Num: 49

Candidate Starts for Neeharika16_65:

(Start: 49 @38528 has 225 MA's), (57, 38510), (62, 38489), (70, 38462), (74, 38447), (99, 38396), (105, 38381),

Gene: Nemo27_61 Start: 40463, Stop: 40239, Start Num: 52

Candidate Starts for Nemo27_61:

(Start: 36 @40505 has 22 MA's), (Start: 37 @40493 has 27 MA's), (Start: 52 @40463 has 138 MA's), (60, 40442), (116, 40286), (124, 40247),

Gene: Nerujay_60 Start: 40434, Stop: 40300, Start Num: 84

Candidate Starts for Nerujay_60:

(Start: 84 @40434 has 146 MA's), (118, 40332),

Gene: Netyap_98 Start: 61401, Stop: 61583, Start Num: 69

Candidate Starts for Netyap_98:

(Start: 69 @61401 has 27 MA's), (Start: 80 @61437 has 4 MA's), (Start: 85 @61443 has 15 MA's), (93, 61470), (94, 61476), (101, 61494), (115, 61524), (116, 61536),

Gene: Newrala_66 Start: 39070, Stop: 38837, Start Num: 49

Candidate Starts for Newrala_66:

(Start: 49 @39070 has 225 MA's), (57, 39052), (62, 39031), (70, 39004), (74, 38989), (99, 38938), (105, 38923),

Gene: Nhonho_57 Start: 40780, Stop: 40646, Start Num: 84

Candidate Starts for Nhonho_57:

(Start: 84 @40780 has 146 MA's), (118, 40678),

Gene: Nicholas_94 Start: 61205, Stop: 61339, Start Num: 85

Candidate Starts for Nicholas_94:

(Start: 85 @61205 has 15 MA's), (95, 61241), (96, 61244), (104, 61256), (118, 61307),

Gene: Nicholasp3_99 Start: 61193, Stop: 61375, Start Num: 69

Candidate Starts for Nicholasp3_99:

(Start: 69 @61193 has 27 MA's), (Start: 80 @61229 has 4 MA's), (Start: 85 @61235 has 15 MA's), (93, 61262), (94, 61268), (101, 61286), (115, 61316), (116, 61328),

Gene: NicoleTera_64 Start: 41319, Stop: 41080, Start Num: 49

Candidate Starts for NicoleTera_64:

(10, 41517), (Start: 49 @41319 has 225 MA's), (57, 41301), (99, 41181), (116, 41127),

Gene: Niza_60 Start: 41442, Stop: 41308, Start Num: 84

Candidate Starts for Niza_60:

(Start: 84 @41442 has 146 MA's), (118, 41340),

Gene: Noella_64 Start: 40847, Stop: 40644, Start Num: 52

Candidate Starts for Noella_64:

(Start: 37 @40877 has 27 MA's), (Start: 52 @40847 has 138 MA's), (103, 40718), (124, 40652),

Gene: Noelle_61 Start: 40629, Stop: 40402, Start Num: 52

Candidate Starts for Noelle_61:

(Start: 36 @40671 has 22 MA's), (Start: 37 @40659 has 27 MA's), (Start: 52 @40629 has 138 MA's), (115, 40461), (116, 40449),

Gene: Norbert_61 Start: 40846, Stop: 40643, Start Num: 52

Candidate Starts for Norbert_61:

(Start: 37 @40876 has 27 MA's), (Start: 52 @40846 has 138 MA's), (103, 40717), (124, 40651),

Gene: NorthStar_60 Start: 40464, Stop: 40240, Start Num: 52

Candidate Starts for NorthStar_60:

(Start: 36 @40506 has 22 MA's), (Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's), (60, 40443), (116, 40287), (124, 40248),

Gene: Norz_59 Start: 41380, Stop: 41120, Start Num: 78

Candidate Starts for Norz_59:

(Start: 78 @41380 has 46 MA's), (113, 41293), (127, 41191),

Gene: NotAPhaseMom_61 Start: 40468, Stop: 40244, Start Num: 52

Candidate Starts for NotAPhaseMom_61:

(Start: 36 @40510 has 22 MA's), (Start: 37 @40498 has 27 MA's), (Start: 52 @40468 has 138 MA's), (60, 40447), (116, 40291), (124, 40252),

Gene: NothingSpecial_63 Start: 41525, Stop: 41295, Start Num: 49

Candidate Starts for NothingSpecial_63:

(25, 41606), (35, 41567), (Start: 37 @41555 has 27 MA's), (Start: 49 @41525 has 225 MA's), (57, 41507), (116, 41342), (121, 41318), (124, 41303),

Gene: Nyxis_61 Start: 40384, Stop: 40130, Start Num: 37

Candidate Starts for Nyxis_61:

(Start: 36 @40396 has 22 MA's), (Start: 37 @40384 has 27 MA's), (Start: 52 @40354 has 138 MA's), (60, 40333), (116, 40177), (124, 40138),

Gene: OKCentral2016_60 Start: 39649, Stop: 39413, Start Num: 47

Candidate Starts for OKCentral2016_60:

(Start: 47 @39649 has 52 MA's), (57, 39628),

Gene: OKaNui_62 Start: 40514, Stop: 40290, Start Num: 52

Candidate Starts for OKaNui_62:

(Start: 36 @40556 has 22 MA's), (Start: 37 @40544 has 27 MA's), (Start: 52 @40514 has 138 MA's), (60, 40493), (116, 40337), (124, 40298),

Gene: Obama12_63 Start: 40851, Stop: 40627, Start Num: 52

Candidate Starts for Obama12_63:

(Start: 36 @40893 has 22 MA's), (Start: 37 @40881 has 27 MA's), (Start: 52 @40851 has 138 MA's), (60, 40830), (116, 40674), (124, 40635),

Gene: Odin_66 Start: 40072, Stop: 39833, Start Num: 47

Candidate Starts for Odin_66:

(Start: 47 @40072 has 52 MA's), (57, 40054), (62, 40033), (64, 40021), (99, 39934),

Gene: Ohfah_63 Start: 40467, Stop: 40243, Start Num: 52

Candidate Starts for Ohfah_63:

(Start: 36 @40509 has 22 MA's), (Start: 37 @40497 has 27 MA's), (Start: 52 @40467 has 138 MA's), (60, 40446), (116, 40290), (124, 40251),

Gene: Ohno789_59 Start: 40571, Stop: 40311, Start Num: 78

Candidate Starts for Ohno789_59:

(Start: 78 @40571 has 46 MA's), (113, 40484), (127, 40382),

Gene: OlanP_67 Start: 41229, Stop: 40999, Start Num: 50

Candidate Starts for OlanP_67:

(Start: 50 @41229 has 16 MA's), (105, 41085), (116, 41046),

Gene: Ollie_68 Start: 41041, Stop: 40811, Start Num: 49

Candidate Starts for Ollie_68:

(Start: 37 @41068 has 27 MA's), (Start: 49 @41041 has 225 MA's), (99, 40912), (116, 40858),

Gene: Onglai_66 Start: 38931, Stop: 38782, Start Num: 49

Candidate Starts for Onglai_66:

(Start: 49 @38931 has 225 MA's), (57, 38913), (70, 38865),

Gene: Oogway_57 Start: 39790, Stop: 39656, Start Num: 84

Candidate Starts for Oogway_57:

(Start: 84 @39790 has 146 MA's), (118, 39688),

Gene: Orange_65 Start: 40175, Stop: 39942, Start Num: 49

Candidate Starts for Orange_65:

(Start: 49 @40175 has 225 MA's), (57, 40157), (87, 40073), (110, 40013), (112, 40007),

Gene: P28Green_69 Start: 41173, Stop: 40943, Start Num: 49

Candidate Starts for P28Green_69:

(Start: 37 @41200 has 27 MA's), (Start: 49 @41173 has 225 MA's), (99, 41044), (116, 40990),

Gene: PGHhamlin_70 Start: 41189, Stop: 40932, Start Num: 37

Candidate Starts for PGHhamlin_70:

(Start: 37 @41189 has 27 MA's), (Start: 49 @41162 has 225 MA's), (99, 41033), (116, 40979),

Gene: PP_67 Start: 45562, Stop: 45308, Start Num: 43

Candidate Starts for PP_67:

(Start: 43 @45562 has 1 MA's), (58, 45523), (97, 45406), (111, 45379),

Gene: PSullivan_58 Start: 38828, Stop: 38685, Start Num: 78

Candidate Starts for PSullivan_58:

(Start: 78 @38828 has 46 MA's),

Gene: PYPDinur_100 Start: 61783, Stop: 61956, Start Num: 69
Candidate Starts for PYPDinur_100:
(40, 61690), (44, 61705), (53, 61729), (Start: 69 @61783 has 27 MA's), (76, 61807), (Start: 85 @61825 has 15 MA's), (90, 61837), (93, 61852), (94, 61858), (115, 61897), (118, 61924),

Gene: PacerPaul_58 Start: 40284, Stop: 40150, Start Num: 84
Candidate Starts for PacerPaul_58:
(Start: 84 @40284 has 146 MA's), (118, 40182),

Gene: PackMan_67 Start: 40602, Stop: 40453, Start Num: 49
Candidate Starts for PackMan_67:
(Start: 49 @40602 has 225 MA's), (57, 40584), (70, 40536),

Gene: Palestino_61 Start: 40506, Stop: 40240, Start Num: 36
Candidate Starts for Palestino_61:
(Start: 36 @40506 has 22 MA's), (Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's), (60, 40443), (116, 40287), (124, 40248),

Gene: Panamaxus_62 Start: 40846, Stop: 40643, Start Num: 52
Candidate Starts for Panamaxus_62:
(Start: 37 @40876 has 27 MA's), (Start: 52 @40846 has 138 MA's), (103, 40717), (124, 40651),

Gene: Papez_61 Start: 41812, Stop: 41678, Start Num: 84
Candidate Starts for Papez_61:
(Start: 84 @41812 has 146 MA's), (118, 41710),

Gene: Paphu_57 Start: 39421, Stop: 39287, Start Num: 84
Candidate Starts for Paphu_57:
(Start: 84 @39421 has 146 MA's), (118, 39319),

Gene: Paraselene_56 Start: 40336, Stop: 40193, Start Num: 78
Candidate Starts for Paraselene_56:
(Start: 78 @40336 has 46 MA's),

Gene: Pari_61 Start: 39772, Stop: 39512, Start Num: 78
Candidate Starts for Pari_61:
(Start: 78 @39772 has 46 MA's), (113, 39685), (127, 39583),

Gene: Parliament_58 Start: 40049, Stop: 39915, Start Num: 84
Candidate Starts for Parliament_58:
(Start: 84 @40049 has 146 MA's),

Gene: PascalRango_58 Start: 40088, Stop: 39954, Start Num: 84
Candidate Starts for PascalRango_58:
(Start: 84 @40088 has 146 MA's), (118, 39986),

Gene: PattyP_60 Start: 40478, Stop: 40344, Start Num: 84
Candidate Starts for PattyP_60:
(Start: 84 @40478 has 146 MA's), (118, 40376),

Gene: Pawn_68 Start: 41060, Stop: 40830, Start Num: 50
Candidate Starts for Pawn_68:
(Start: 50 @41060 has 16 MA's), (105, 40916), (116, 40877),

Gene: Payneful_58 Start: 39771, Stop: 39637, Start Num: 84
Candidate Starts for Payneful_58:
(Start: 84 @39771 has 146 MA's), (118, 39669),

Gene: PeaceMeal1_59 Start: 39186, Stop: 38950, Start Num: 47
Candidate Starts for PeaceMeal1_59:
(Start: 47 @39186 has 52 MA's), (57, 39165), (62, 39144), (99, 39051), (105, 39036),

Gene: Peaches_60 Start: 40463, Stop: 40239, Start Num: 52
Candidate Starts for Peaches_60:
(Start: 36 @40505 has 22 MA's), (Start: 37 @40493 has 27 MA's), (Start: 52 @40463 has 138 MA's),
(60, 40442), (116, 40286), (124, 40247),

Gene: Pelly_58 Start: 39989, Stop: 39738, Start Num: 83
Candidate Starts for Pelly_58:
(Start: 83 @39989 has 8 MA's), (102, 39938), (109, 39920),

Gene: Pembroke_68 Start: 41198, Stop: 40941, Start Num: 37
Candidate Starts for Pembroke_68:
(Start: 37 @41198 has 27 MA's), (Start: 49 @41171 has 225 MA's), (99, 41042), (116, 40988),

Gene: Penny1_68 Start: 41174, Stop: 40944, Start Num: 49
Candidate Starts for Penny1_68:
(Start: 37 @41201 has 27 MA's), (Start: 49 @41174 has 225 MA's), (99, 41045), (116, 40991),

Gene: Pepe_55 Start: 38549, Stop: 38406, Start Num: 78
Candidate Starts for Pepe_55:
(Start: 78 @38549 has 46 MA's),

Gene: Perplexer_60 Start: 40301, Stop: 40077, Start Num: 52
Candidate Starts for Perplexer_60:
(Start: 36 @40343 has 22 MA's), (Start: 37 @40331 has 27 MA's), (Start: 52 @40301 has 138 MA's),
(115, 40136), (116, 40124),

Gene: Perseus_58 Start: 40793, Stop: 40659, Start Num: 84
Candidate Starts for Perseus_58:
(Start: 84 @40793 has 146 MA's), (118, 40691),

Gene: PeterPeter_62 Start: 40461, Stop: 40237, Start Num: 52
Candidate Starts for PeterPeter_62:
(Start: 36 @40503 has 22 MA's), (Start: 37 @40491 has 27 MA's), (Start: 52 @40461 has 138 MA's),
(60, 40440), (116, 40284), (124, 40245),

Gene: Petersenfast_64 Start: 40174, Stop: 39941, Start Num: 49
Candidate Starts for Petersenfast_64:
(Start: 49 @40174 has 225 MA's), (57, 40156), (87, 40072), (110, 40012), (112, 40006),

Gene: Peterson_62 Start: 42031, Stop: 41897, Start Num: 84
Candidate Starts for Peterson_62:
(Start: 84 @42031 has 146 MA's), (118, 41929),

Gene: PetiteSangusue_60 Start: 40304, Stop: 40080, Start Num: 52

Candidate Starts for PetiteSangsue_60:

(Start: 36 @40346 has 22 MA's), (Start: 37 @40334 has 27 MA's), (Start: 52 @40304 has 138 MA's), (115, 40139), (116, 40127),

Gene: Petp2012_59 Start: 40827, Stop: 40693, Start Num: 84

Candidate Starts for Petp2012_59:

(Start: 84 @40827 has 146 MA's), (118, 40725),

Gene: Petruchio_57 Start: 39237, Stop: 39103, Start Num: 84

Candidate Starts for Petruchio_57:

(Start: 84 @39237 has 146 MA's), (118, 39135),

Gene: PetterN_63 Start: 39541, Stop: 39275, Start Num: 41

Candidate Starts for PetterN_63:

(Start: 41 @39541 has 6 MA's), (55, 39508), (116, 39322),

Gene: Ph8s_69 Start: 40234, Stop: 39995, Start Num: 47

Candidate Starts for Ph8s_69:

(Start: 37 @40258 has 27 MA's), (Start: 47 @40234 has 52 MA's), (57, 40216), (64, 40183), (99, 40096), (112, 40063), (124, 40003),

Gene: Phacado_62 Start: 40505, Stop: 40239, Start Num: 36

Candidate Starts for Phacado_62:

(Start: 36 @40505 has 22 MA's), (Start: 37 @40493 has 27 MA's), (Start: 52 @40463 has 138 MA's), (60, 40442), (116, 40286), (124, 40247),

Gene: Phaded_63 Start: 41980, Stop: 41705, Start Num: 36

Candidate Starts for Phaded_63:

(Start: 36 @41980 has 22 MA's), (Start: 37 @41968 has 27 MA's), (Start: 47 @41941 has 52 MA's), (57, 41920), (121, 41728), (124, 41713),

Gene: Phaeder_68 Start: 40602, Stop: 40453, Start Num: 49

Candidate Starts for Phaeder_68:

(Start: 49 @40602 has 225 MA's), (57, 40584), (70, 40536),

Gene: Phantastic_66 Start: 40511, Stop: 40281, Start Num: 52

Candidate Starts for Phantastic_66:

(34, 40553), (Start: 37 @40541 has 27 MA's), (Start: 52 @40511 has 138 MA's), (105, 40367),

Gene: Pharaoh_62 Start: 40656, Stop: 40402, Start Num: 49

Candidate Starts for Pharaoh_62:

(8, 40863), (12, 40833), (Start: 37 @40686 has 27 MA's), (Start: 49 @40656 has 225 MA's), (57, 40638), (74, 40575), (86, 40551), (88, 40548), (100, 40497), (121, 40422),

Gene: Phelipe_63 Start: 40467, Stop: 40243, Start Num: 52

Candidate Starts for Phelipe_63:

(Start: 36 @40509 has 22 MA's), (Start: 37 @40497 has 27 MA's), (Start: 52 @40467 has 138 MA's), (60, 40446), (116, 40290), (124, 40251),

Gene: Phighter1804_62 Start: 40570, Stop: 40304, Start Num: 36

Candidate Starts for Phighter1804_62:

(Start: 36 @40570 has 22 MA's), (Start: 37 @40558 has 27 MA's), (Start: 52 @40528 has 138 MA's), (60, 40507), (116, 40351), (124, 40312),

Gene: PhishRPhriends_66 Start: 40237, Stop: 40007, Start Num: 50

Candidate Starts for PhishRPhriends_66:

(Start: 50 @40237 has 16 MA's), (105, 40093), (116, 40054),

Gene: Phlei_54 Start: 40345, Stop: 40127, Start Num: 47

Candidate Starts for Phlei_54:

(Start: 47 @40345 has 52 MA's), (57, 40324), (99, 40225), (123, 40135),

Gene: Phoebe_69 Start: 41190, Stop: 40933, Start Num: 37

Candidate Starts for Phoebe_69:

(Start: 37 @41190 has 27 MA's), (Start: 49 @41163 has 225 MA's), (99, 41034), (116, 40980),

Gene: Phonnegut_69 Start: 40824, Stop: 40675, Start Num: 49

Candidate Starts for Phonnegut_69:

(Start: 49 @40824 has 225 MA's), (57, 40806), (70, 40758),

Gene: Phontbonne_62 Start: 40370, Stop: 40146, Start Num: 52

Candidate Starts for Phontbonne_62:

(Start: 36 @40412 has 22 MA's), (Start: 37 @40400 has 27 MA's), (Start: 52 @40370 has 138 MA's), (60, 40349), (124, 40154),

Gene: Phoxy_68 Start: 41195, Stop: 40965, Start Num: 49

Candidate Starts for Phoxy_68:

(Start: 37 @41222 has 27 MA's), (Start: 49 @41195 has 225 MA's), (99, 41066), (116, 41012),

Gene: Phranny_69 Start: 41042, Stop: 40812, Start Num: 50

Candidate Starts for Phranny_69:

(Start: 50 @41042 has 16 MA's), (105, 40898), (116, 40859),

Gene: PhrostyMug_58 Start: 40562, Stop: 40428, Start Num: 84

Candidate Starts for PhrostyMug_58:

(Start: 84 @40562 has 146 MA's), (118, 40460),

Gene: PinkPlastic_58 Start: 39549, Stop: 39415, Start Num: 84

Candidate Starts for PinkPlastic_58:

(Start: 84 @39549 has 146 MA's), (118, 39447),

Gene: Pinto_59 Start: 40150, Stop: 40013, Start Num: 81

Candidate Starts for Pinto_59:

(Start: 81 @40150 has 3 MA's), (Start: 84 @40147 has 146 MA's), (118, 40045),

Gene: Pioneer_69 Start: 40824, Stop: 40675, Start Num: 49

Candidate Starts for Pioneer_69:

(Start: 49 @40824 has 225 MA's), (57, 40806), (70, 40758),

Gene: Pipcraft_59 Start: 40464, Stop: 40240, Start Num: 52

Candidate Starts for Pipcraft_59:

(Start: 36 @40506 has 22 MA's), (Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's), (60, 40443), (116, 40287), (124, 40248),

Gene: Pippin_59 Start: 39764, Stop: 39630, Start Num: 84

Candidate Starts for Pippin_59:

(Start: 84 @39764 has 146 MA's), (118, 39662),

Gene: Piro94_65 Start: 41086, Stop: 40856, Start Num: 49

Candidate Starts for Piro94_65:

(Start: 49 @41086 has 225 MA's), (57, 41068), (61, 41050), (70, 41020), (116, 40903), (121, 40879),

Gene: Pistachio_65 Start: 40443, Stop: 40213, Start Num: 52

Candidate Starts for Pistachio_65:

(34, 40485), (Start: 37 @40473 has 27 MA's), (Start: 52 @40443 has 138 MA's), (105, 40299), (106, 40296), (118, 40245),

Gene: Pita2_61 Start: 40325, Stop: 40182, Start Num: 78

Candidate Starts for Pita2_61:

(Start: 78 @40325 has 46 MA's),

Gene: Pmask_65 Start: 39071, Stop: 38838, Start Num: 49

Candidate Starts for Pmask_65:

(Start: 49 @39071 has 225 MA's), (57, 39053), (62, 39032), (70, 39005), (74, 38990), (99, 38939), (105, 38924),

Gene: Pocahontas_64 Start: 40843, Stop: 40640, Start Num: 52

Candidate Starts for Pocahontas_64:

(Start: 37 @40873 has 27 MA's), (Start: 52 @40843 has 138 MA's), (103, 40714), (124, 40648),

Gene: Polymorphads_63 Start: 40457, Stop: 40233, Start Num: 52

Candidate Starts for Polymorphads_63:

(Start: 36 @40499 has 22 MA's), (Start: 37 @40487 has 27 MA's), (Start: 52 @40457 has 138 MA's), (60, 40436), (86, 40361), (116, 40280), (124, 40241),

Gene: Pomar16_67 Start: 41341, Stop: 41105, Start Num: 47

Candidate Starts for Pomar16_67:

(15, 41494), (Start: 37 @41368 has 27 MA's), (Start: 47 @41341 has 52 MA's), (57, 41323), (64, 41290), (99, 41203),

Gene: Poompha_59 Start: 39184, Stop: 38948, Start Num: 47

Candidate Starts for Poompha_59:

(Start: 47 @39184 has 52 MA's), (57, 39163), (62, 39142), (99, 39049), (105, 39034),

Gene: Popcicle_64 Start: 40843, Stop: 40640, Start Num: 52

Candidate Starts for Popcicle_64:

(Start: 37 @40873 has 27 MA's), (Start: 52 @40843 has 138 MA's), (103, 40714), (124, 40648),

Gene: PotatoSplit_69 Start: 41174, Stop: 40944, Start Num: 49

Candidate Starts for PotatoSplit_69:

(Start: 37 @41201 has 27 MA's), (Start: 49 @41174 has 225 MA's), (99, 41045), (116, 40991),

Gene: Power_65 Start: 41360, Stop: 41130, Start Num: 49

Candidate Starts for Power_65:

(Start: 49 @41360 has 225 MA's), (57, 41342), (61, 41324), (115, 41186),

Gene: Priamo_68 Start: 38887, Stop: 38654, Start Num: 49

Candidate Starts for Priamo_68:

(Start: 49 @38887 has 225 MA's), (57, 38869), (62, 38848), (70, 38821), (74, 38806), (99, 38755), (105, 38740),

Gene: Priya_66 Start: 40398, Stop: 40165, Start Num: 49

Candidate Starts for Priya_66:

(Start: 49 @40398 has 225 MA's), (57, 40380), (86, 40293), (99, 40266), (117, 40203), (121, 40188),

Gene: ProMouse_58 Start: 40099, Stop: 39956, Start Num: 78

Candidate Starts for ProMouse_58:

(Start: 78 @40099 has 46 MA's), (118, 39988),

Gene: Pukovnik_63 Start: 41608, Stop: 41375, Start Num: 47

Candidate Starts for Pukovnik_63:

(Start: 36 @41647 has 22 MA's), (Start: 37 @41635 has 27 MA's), (Start: 47 @41608 has 52 MA's), (57, 41587), (99, 41473), (100, 41470), (116, 41419),

Gene: Pumbaa_62 Start: 40409, Stop: 40185, Start Num: 52

Candidate Starts for Pumbaa_62:

(Start: 36 @40451 has 22 MA's), (Start: 37 @40439 has 27 MA's), (Start: 52 @40409 has 138 MA's), (60, 40388), (116, 40232), (124, 40193),

Gene: Puppy_65 Start: 40515, Stop: 40285, Start Num: 52

Candidate Starts for Puppy_65:

(34, 40557), (Start: 37 @40545 has 27 MA's), (Start: 52 @40515 has 138 MA's), (105, 40371), (106, 40368), (118, 40317),

Gene: PurpleHaze_68 Start: 41055, Stop: 40825, Start Num: 50

Candidate Starts for PurpleHaze_68:

(Start: 50 @41055 has 16 MA's), (105, 40911), (116, 40872),

Gene: QTRlifeCrisis_58 Start: 40342, Stop: 40199, Start Num: 78

Candidate Starts for QTRlifeCrisis_58:

(Start: 78 @40342 has 46 MA's),

Gene: Qobbit_66 Start: 40360, Stop: 40127, Start Num: 49

Candidate Starts for Qobbit_66:

(Start: 49 @40360 has 225 MA's), (57, 40342), (86, 40255), (99, 40228), (117, 40165), (121, 40150),

Gene: Quby_100 Start: 61112, Stop: 61285, Start Num: 68

Candidate Starts for Quby_100:

(66, 61109), (Start: 68 @61112 has 1 MA's), (76, 61136), (Start: 85 @61154 has 15 MA's), (90, 61166), (93, 61181), (94, 61187), (115, 61226), (118, 61253),

Gene: QueenB2_65 Start: 41338, Stop: 41108, Start Num: 49

Candidate Starts for QueenB2_65:

(24, 41425), (35, 41383), (Start: 37 @41371 has 27 MA's), (Start: 49 @41338 has 225 MA's), (57, 41320), (61, 41302), (116, 41152),

Gene: QueenBeesly_66 Start: 41316, Stop: 41086, Start Num: 49

Candidate Starts for QueenBeesly_66:

(Start: 49 @41316 has 225 MA's), (57, 41298), (61, 41280), (115, 41142),

Gene: QuinnKiro_63 Start: 40846, Stop: 40643, Start Num: 52

Candidate Starts for QuinnKiro_63:

(Start: 37 @40876 has 27 MA's), (Start: 52 @40846 has 138 MA's), (103, 40717), (124, 40651),

Gene: Quokka_67 Start: 40388, Stop: 40152, Start Num: 47

Candidate Starts for Quokka_67:

(27, 40448), (Start: 37 @40415 has 27 MA's), (Start: 47 @40388 has 52 MA's), (57, 40370), (64, 40337), (99, 40250),

Gene: Rachaly_63 Start: 41211, Stop: 40981, Start Num: 49

Candidate Starts for Rachaly_63:

(Start: 49 @41211 has 225 MA's), (57, 41193), (100, 41079), (116, 41028), (124, 40989),

Gene: Rahalelujah_66 Start: 40152, Stop: 39919, Start Num: 49

Candidate Starts for Rahalelujah_66:

(Start: 49 @40152 has 225 MA's), (57, 40134), (70, 40086), (110, 39993), (121, 39942),

Gene: Rajelicia_59 Start: 40856, Stop: 40722, Start Num: 84

Candidate Starts for Rajelicia_59:

(Start: 84 @40856 has 146 MA's), (118, 40754),

Gene: Reba_68 Start: 40715, Stop: 40485, Start Num: 50

Candidate Starts for Reba_68:

(Start: 50 @40715 has 16 MA's), (105, 40571), (116, 40532),

Gene: Rebeuca_62 Start: 40483, Stop: 40250, Start Num: 47

Candidate Starts for Rebeuca_62:

(Start: 37 @40510 has 27 MA's), (Start: 47 @40483 has 52 MA's), (57, 40462), (Start: 84 @40378 has 146 MA's),

Gene: RedRock_67 Start: 42256, Stop: 42023, Start Num: 49

Candidate Starts for RedRock_67:

(Start: 37 @42286 has 27 MA's), (Start: 49 @42256 has 225 MA's), (57, 42238), (99, 42124), (105, 42109),

Gene: Refuge_63 Start: 41665, Stop: 41432, Start Num: 49

Candidate Starts for Refuge_63:

(Start: 37 @41695 has 27 MA's), (Start: 49 @41665 has 225 MA's), (57, 41647), (74, 41584), (86, 41560),

Gene: Relief_61 Start: 40461, Stop: 40237, Start Num: 52

Candidate Starts for Relief_61:

(Start: 36 @40503 has 22 MA's), (Start: 37 @40491 has 27 MA's), (Start: 52 @40461 has 138 MA's), (60, 40440), (116, 40284), (124, 40245),

Gene: ResDef_63 Start: 40846, Stop: 40643, Start Num: 52

Candidate Starts for ResDef_63:

(Start: 37 @40876 has 27 MA's), (Start: 52 @40846 has 138 MA's), (103, 40717), (124, 40651),

Gene: Retro23_67 Start: 41552, Stop: 41322, Start Num: 49

Candidate Starts for Retro23_67:

(24, 41639), (Start: 37 @41585 has 27 MA's), (Start: 49 @41552 has 225 MA's), (57, 41534), (61, 41516), (116, 41366),

Gene: RhynO_61 Start: 40124, Stop: 39888, Start Num: 47
Candidate Starts for RhynO_61:
(Start: 37 @40151 has 27 MA's), (Start: 47 @40124 has 52 MA's), (57, 40103),

Gene: Rhynn_56 Start: 38880, Stop: 38746, Start Num: 84
Candidate Starts for Rhynn_56:
(Start: 84 @38880 has 146 MA's), (118, 38778),

Gene: RidgeCB_58 Start: 40123, Stop: 39989, Start Num: 84
Candidate Starts for RidgeCB_58:
(Start: 84 @40123 has 146 MA's), (118, 40021),

Gene: Rifter_67 Start: 38679, Stop: 38446, Start Num: 49
Candidate Starts for Rifter_67:
(Start: 37 @38709 has 27 MA's), (Start: 49 @38679 has 225 MA's), (57, 38661), (62, 38640), (70, 38613), (99, 38547), (110, 38520), (116, 38493), (124, 38454),

Gene: Ringer_58 Start: 41030, Stop: 40896, Start Num: 84
Candidate Starts for Ringer_58:
(Start: 84 @41030 has 146 MA's), (118, 40928),

Gene: Rockstar_63 Start: 40337, Stop: 40107, Start Num: 52
Candidate Starts for Rockstar_63:
(34, 40379), (Start: 37 @40367 has 27 MA's), (Start: 52 @40337 has 138 MA's), (82, 40247),

Gene: Rohr_59 Start: 40002, Stop: 39868, Start Num: 84
Candidate Starts for Rohr_59:
(Start: 84 @40002 has 146 MA's), (118, 39900),

Gene: Roksolana_68 Start: 39513, Stop: 39280, Start Num: 49
Candidate Starts for Roksolana_68:
(Start: 37 @39543 has 27 MA's), (Start: 49 @39513 has 225 MA's), (57, 39495), (62, 39474), (70, 39447), (99, 39381), (116, 39327), (124, 39288),

Gene: Romney_61 Start: 40461, Stop: 40237, Start Num: 52
Candidate Starts for Romney_61:
(Start: 36 @40503 has 22 MA's), (Start: 37 @40491 has 27 MA's), (Start: 52 @40461 has 138 MA's), (60, 40440), (116, 40284), (124, 40245),

Gene: Roosevelt_60 Start: 40466, Stop: 40242, Start Num: 52
Candidate Starts for Roosevelt_60:
(Start: 36 @40508 has 22 MA's), (Start: 37 @40496 has 27 MA's), (Start: 52 @40466 has 138 MA's), (60, 40445), (116, 40289), (124, 40250),

Gene: Rosa24_60 Start: 40495, Stop: 40271, Start Num: 52
Candidate Starts for Rosa24_60:
(Start: 36 @40537 has 22 MA's), (Start: 37 @40525 has 27 MA's), (Start: 52 @40495 has 138 MA's), (60, 40474), (116, 40318), (124, 40279),

Gene: Rowdy_64 Start: 40196, Stop: 39963, Start Num: 47
Candidate Starts for Rowdy_64:
(Start: 37 @40223 has 27 MA's), (Start: 47 @40196 has 52 MA's), (57, 40175), (Start: 84 @40091 has 146 MA's),

Gene: Rubeus_58 Start: 37943, Stop: 37806, Start Num: 81

Candidate Starts for Rubeus_58:

(Start: 81 @37943 has 3 MA's), (Start: 84 @37940 has 146 MA's), (118, 37838),

Gene: Rufus_59 Start: 39468, Stop: 39334, Start Num: 84

Candidate Starts for Rufus_59:

(Start: 84 @39468 has 146 MA's), (118, 39366),

Gene: Ruin_62 Start: 40457, Stop: 40233, Start Num: 52

Candidate Starts for Ruin_62:

(Start: 36 @40499 has 22 MA's), (Start: 37 @40487 has 27 MA's), (Start: 52 @40457 has 138 MA's), (60, 40436), (116, 40280), (124, 40241),

Gene: Rummer_67 Start: 41198, Stop: 40968, Start Num: 49

Candidate Starts for Rummer_67:

(Start: 37 @41225 has 27 MA's), (Start: 49 @41198 has 225 MA's), (99, 41069), (116, 41015),

Gene: Rumpelstiltskin_95 Start: 60986, Stop: 61168, Start Num: 69

Candidate Starts for Rumpelstiltskin_95:

(Start: 69 @60986 has 27 MA's), (Start: 80 @61022 has 4 MA's), (Start: 85 @61028 has 15 MA's), (93, 61055), (94, 61061), (101, 61079), (115, 61109), (116, 61121),

Gene: Ruotula_61 Start: 42152, Stop: 41901, Start Num: 83

Candidate Starts for Ruotula_61:

(Start: 83 @42152 has 8 MA's), (102, 42101), (109, 42083), (119, 42038), (126, 42011),

Gene: Rutherferd_59 Start: 40099, Stop: 39965, Start Num: 84

Candidate Starts for Rutherferd_59:

(Start: 84 @40099 has 146 MA's), (118, 39997),

Gene: RyeScarlet_70 Start: 40799, Stop: 40650, Start Num: 49

Candidate Starts for RyeScarlet_70:

(Start: 49 @40799 has 225 MA's), (57, 40781), (70, 40733),

Gene: STLscum_61 Start: 40923, Stop: 40780, Start Num: 78

Candidate Starts for STLscum_61:

(Start: 78 @40923 has 46 MA's),

Gene: Sabertooth_62 Start: 40496, Stop: 40242, Start Num: 37

Candidate Starts for Sabertooth_62:

(Start: 36 @40508 has 22 MA's), (Start: 37 @40496 has 27 MA's), (Start: 52 @40466 has 138 MA's), (60, 40445), (116, 40289), (124, 40250),

Gene: Sabia_68 Start: 41179, Stop: 40949, Start Num: 49

Candidate Starts for Sabia_68:

(Start: 37 @41206 has 27 MA's), (Start: 49 @41179 has 225 MA's), (99, 41050), (116, 40996),

Gene: Sabinator_66 Start: 41169, Stop: 40939, Start Num: 49

Candidate Starts for Sabinator_66:

(Start: 37 @41196 has 27 MA's), (Start: 49 @41169 has 225 MA's), (99, 41040), (116, 40986),

Gene: Sachima_64 Start: 40628, Stop: 40479, Start Num: 49

Candidate Starts for Sachima_64:
(Start: 49 @40628 has 225 MA's), (57, 40610), (70, 40562),

Gene: Sagefire_60 Start: 40676, Stop: 40542, Start Num: 84
Candidate Starts for Sagefire_60:
(Start: 84 @40676 has 146 MA's), (118, 40574),

Gene: Salz_65 Start: 40073, Stop: 39840, Start Num: 49
Candidate Starts for Salz_65:
(Start: 37 @40115 has 27 MA's), (Start: 49 @40073 has 225 MA's), (57, 40055), (87, 39971), (110, 39911), (112, 39905),

Gene: Samty_95 Start: 61193, Stop: 61327, Start Num: 85
Candidate Starts for Samty_95:
(Start: 85 @61193 has 15 MA's), (95, 61229), (96, 61232), (104, 61244), (118, 61295),

Gene: Sandaddy_55 Start: 39509, Stop: 39366, Start Num: 78
Candidate Starts for Sandaddy_55:
(Start: 78 @39509 has 46 MA's), (118, 39398),

Gene: Sanya_54 Start: 39790, Stop: 39656, Start Num: 84
Candidate Starts for Sanya_54:
(Start: 84 @39790 has 146 MA's), (118, 39688),

Gene: SarFire_55 Start: 39071, Stop: 38928, Start Num: 78
Candidate Starts for SarFire_55:
(Start: 78 @39071 has 46 MA's), (118, 38960),

Gene: Sarshaun_100 Start: 62153, Stop: 62335, Start Num: 69
Candidate Starts for Sarshaun_100:
(Start: 69 @62153 has 27 MA's), (Start: 80 @62189 has 4 MA's), (Start: 85 @62195 has 15 MA's), (93, 62222), (94, 62228), (101, 62246), (115, 62276), (116, 62288),

Gene: SaturnRing_65 Start: 40896, Stop: 40666, Start Num: 52
Candidate Starts for SaturnRing_65:
(34, 40938), (Start: 37 @40926 has 27 MA's), (Start: 52 @40896 has 138 MA's), (105, 40752), (106, 40749), (118, 40698),

Gene: Scamp_62 Start: 40466, Stop: 40242, Start Num: 52
Candidate Starts for Scamp_62:
(Start: 36 @40508 has 22 MA's), (Start: 37 @40496 has 27 MA's), (Start: 52 @40466 has 138 MA's), (60, 40445), (116, 40289), (124, 40250),

Gene: Scherzo_68 Start: 41043, Stop: 40813, Start Num: 49
Candidate Starts for Scherzo_68:
(Start: 49 @41043 has 225 MA's), (57, 41025), (117, 40848), (121, 40833),

Gene: Scorpia_62 Start: 39600, Stop: 39334, Start Num: 41
Candidate Starts for Scorpia_62:
(Start: 41 @39600 has 6 MA's), (55, 39567), (116, 39381),

Gene: Scout_64 Start: 40050, Stop: 39820, Start Num: 52
Candidate Starts for Scout_64:

(34, 40092), (Start: 37 @40080 has 27 MA's), (Start: 52 @40050 has 138 MA's), (65, 40005),

Gene: Scowl_59 Start: 39900, Stop: 39757, Start Num: 78

Candidate Starts for Scowl_59:

(Start: 78 @39900 has 46 MA's),

Gene: Seabiscuit_62 Start: 39881, Stop: 39747, Start Num: 84

Candidate Starts for Seabiscuit_62:

(Start: 84 @39881 has 146 MA's), (118, 39779),

Gene: Seanderson_58 Start: 41329, Stop: 41072, Start Num: 80

Candidate Starts for Seanderson_58:

(Start: 80 @41329 has 4 MA's), (109, 41254),

Gene: SemperFi_67 Start: 41584, Stop: 41354, Start Num: 49

Candidate Starts for SemperFi_67:

(Start: 49 @41584 has 225 MA's), (57, 41566), (61, 41548), (115, 41410), (116, 41398),

Gene: Serenity_69 Start: 40640, Stop: 40377, Start Num: 37

Candidate Starts for Serenity_69:

(Start: 37 @40640 has 27 MA's), (Start: 47 @40613 has 52 MA's), (57, 40595), (64, 40562), (99, 40475), (124, 40385),

Gene: Severus_59 Start: 39184, Stop: 38948, Start Num: 47

Candidate Starts for Severus_59:

(Start: 47 @39184 has 52 MA's), (57, 39163), (62, 39142), (99, 39049), (105, 39034),

Gene: Shaka_60 Start: 40491, Stop: 40237, Start Num: 37

Candidate Starts for Shaka_60:

(Start: 36 @40503 has 22 MA's), (Start: 37 @40491 has 27 MA's), (Start: 52 @40461 has 138 MA's), (60, 40440), (116, 40284), (124, 40245),

Gene: Sham4_66 Start: 40173, Stop: 39940, Start Num: 49

Candidate Starts for Sham4_66:

(Start: 49 @40173 has 225 MA's), (57, 40155), (87, 40071), (110, 40011), (112, 40005),

Gene: Shapes_64 Start: 40196, Stop: 39963, Start Num: 47

Candidate Starts for Shapes_64:

(Start: 37 @40223 has 27 MA's), (Start: 47 @40196 has 52 MA's), (57, 40175), (Start: 84 @40091 has 146 MA's),

Gene: SheaKeira_63 Start: 39912, Stop: 39769, Start Num: 49

Candidate Starts for SheaKeira_63:

(Start: 49 @39912 has 225 MA's), (57, 39894), (64, 39861), (Start: 68 @39849 has 1 MA's), (114, 39777),

Gene: Sheen_65 Start: 43903, Stop: 43661, Start Num: 46

Candidate Starts for Sheen_65:

(13, 44068), (16, 44017), (21, 43984), (Start: 46 @43903 has 3 MA's), (57, 43882), (60, 43870), (115, 43720),

Gene: SheldonCooper_62 Start: 40868, Stop: 40644, Start Num: 52

Candidate Starts for SheldonCooper_62:

(Start: 36 @40910 has 22 MA's), (Start: 37 @40898 has 27 MA's), (Start: 52 @40868 has 138 MA's), (60, 40847), (116, 40691), (124, 40652),

Gene: Sheng711_101 Start: 61307, Stop: 61480, Start Num: 69

Candidate Starts for Sheng711_101:

(40, 61214), (44, 61229), (53, 61253), (Start: 69 @61307 has 27 MA's), (76, 61331), (Start: 85 @61349 has 15 MA's), (90, 61361), (93, 61376), (94, 61382), (115, 61421), (118, 61448),

Gene: ShortQueendom_51 Start: 36829, Stop: 36695, Start Num: 84

Candidate Starts for ShortQueendom_51:

(Start: 84 @36829 has 146 MA's), (118, 36727),

Gene: Shygu2_60 Start: 40355, Stop: 40131, Start Num: 52

Candidate Starts for Shygu2_60:

(Start: 36 @40397 has 22 MA's), (Start: 37 @40385 has 27 MA's), (Start: 52 @40355 has 138 MA's), (60, 40334),

Gene: Sibs6_60 Start: 38579, Stop: 38445, Start Num: 84

Candidate Starts for Sibs6_60:

(Start: 84 @38579 has 146 MA's), (118, 38477),

Gene: SkiPole_63 Start: 40593, Stop: 40450, Start Num: 78

Candidate Starts for SkiPole_63:

(Start: 78 @40593 has 46 MA's),

Gene: Skipitt_61 Start: 40458, Stop: 40234, Start Num: 52

Candidate Starts for Skipitt_61:

(Start: 36 @40500 has 22 MA's), (Start: 37 @40488 has 27 MA's), (Start: 52 @40458 has 138 MA's), (60, 40437), (116, 40281), (124, 40242),

Gene: Slagathor_60 Start: 40909, Stop: 40775, Start Num: 84

Candidate Starts for Slagathor_60:

(Start: 84 @40909 has 146 MA's), (118, 40807),

Gene: Smairt_61 Start: 41555, Stop: 41421, Start Num: 84

Candidate Starts for Smairt_61:

(Start: 84 @41555 has 146 MA's), (118, 41453),

Gene: Smeagan_69 Start: 41886, Stop: 41656, Start Num: 49

Candidate Starts for Smeagan_69:

(6, 42135), (31, 41940), (33, 41934), (Start: 49 @41886 has 225 MA's), (57, 41868), (105, 41739), (116, 41700),

Gene: Smeagol_60 Start: 41059, Stop: 40925, Start Num: 84

Candidate Starts for Smeagol_60:

(Start: 84 @41059 has 146 MA's), (115, 40984), (118, 40957),

Gene: SmellyB_66 Start: 39068, Stop: 38835, Start Num: 49

Candidate Starts for SmellyB_66:

(Start: 49 @39068 has 225 MA's), (57, 39050), (62, 39029), (70, 39002), (74, 38987), (99, 38936), (105, 38921),

Gene: SnapTap_66 Start: 41395, Stop: 41165, Start Num: 49

Candidate Starts for SnapTap_66:

(Start: 49 @41395 has 225 MA's), (57, 41377), (61, 41359), (115, 41221),

Gene: Snape_66 Start: 40165, Stop: 39932, Start Num: 49

Candidate Starts for Snape_66:

(Start: 49 @40165 has 225 MA's), (57, 40147), (87, 40063), (110, 40003), (112, 39997),

Gene: Snazzy_57 Start: 39444, Stop: 39310, Start Num: 84

Candidate Starts for Snazzy_57:

(Start: 84 @39444 has 146 MA's), (118, 39342),

Gene: Snenia_95 Start: 61097, Stop: 61231, Start Num: 85

Candidate Starts for Snenia_95:

(Start: 85 @61097 has 15 MA's), (95, 61133), (96, 61136), (104, 61148), (118, 61199),

Gene: Snickers_66 Start: 41144, Stop: 40914, Start Num: 49

Candidate Starts for Snickers_66:

(Start: 37 @41171 has 27 MA's), (Start: 49 @41144 has 225 MA's), (99, 41015), (116, 40961),

Gene: SoYo_67 Start: 41109, Stop: 40852, Start Num: 37

Candidate Starts for SoYo_67:

(Start: 37 @41109 has 27 MA's), (Start: 49 @41082 has 225 MA's), (99, 40953), (116, 40899),

Gene: Soap141_99 Start: 62153, Stop: 62335, Start Num: 69

Candidate Starts for Soap141_99:

(Start: 69 @62153 has 27 MA's), (Start: 80 @62189 has 4 MA's), (Start: 85 @62195 has 15 MA's), (93, 62222), (94, 62228), (101, 62246), (115, 62276), (116, 62288),

Gene: SoilDragon_68 Start: 40645, Stop: 40388, Start Num: 37

Candidate Starts for SoilDragon_68:

(Start: 37 @40645 has 27 MA's), (Start: 49 @40618 has 225 MA's), (99, 40489), (116, 40435), (118, 40420),

Gene: Solon_56 Start: 39316, Stop: 39182, Start Num: 84

Candidate Starts for Solon_56:

(Start: 84 @39316 has 146 MA's), (118, 39214),

Gene: SororFago_67 Start: 41621, Stop: 41472, Start Num: 49

Candidate Starts for SororFago_67:

(Start: 37 @41651 has 27 MA's), (Start: 49 @41621 has 225 MA's), (57, 41603), (62, 41582), (70, 41555),

Gene: Sorpresa_56 Start: 39511, Stop: 39368, Start Num: 78

Candidate Starts for Sorpresa_56:

(Start: 78 @39511 has 46 MA's), (118, 39400),

Gene: Soshari_70 Start: 41194, Stop: 40964, Start Num: 49

Candidate Starts for Soshari_70:

(Start: 37 @41221 has 27 MA's), (Start: 49 @41194 has 225 MA's), (99, 41065), (116, 41011),

Gene: Sparxx_63 Start: 40459, Stop: 40235, Start Num: 52

Candidate Starts for Sparxx_63:

(Start: 36 @40501 has 22 MA's), (Start: 37 @40489 has 27 MA's), (Start: 52 @40459 has 138 MA's), (60, 40438), (116, 40282), (124, 40243),

Gene: Spike509_68 Start: 41195, Stop: 40965, Start Num: 49

Candidate Starts for Spike509_68:

(Start: 37 @41222 has 27 MA's), (Start: 49 @41195 has 225 MA's), (99, 41066), (116, 41012),

Gene: SpikeBT_57 Start: 39705, Stop: 39445, Start Num: 78

Candidate Starts for SpikeBT_57:

(Start: 78 @39705 has 46 MA's), (113, 39618), (125, 39558), (126, 39555),

Gene: Spino_61 Start: 40467, Stop: 40243, Start Num: 52

Candidate Starts for Spino_61:

(Start: 36 @40509 has 22 MA's), (Start: 37 @40497 has 27 MA's), (Start: 52 @40467 has 138 MA's), (60, 40446), (116, 40290), (124, 40251),

Gene: Spouty_66 Start: 40397, Stop: 40164, Start Num: 49

Candidate Starts for Spouty_66:

(Start: 49 @40397 has 225 MA's), (57, 40379), (86, 40292), (99, 40265), (117, 40202), (121, 40187),

Gene: Squee_59 Start: 40162, Stop: 40028, Start Num: 84

Candidate Starts for Squee_59:

(Start: 84 @40162 has 146 MA's), (118, 40060),

Gene: Stagni_67 Start: 41173, Stop: 40943, Start Num: 49

Candidate Starts for Stagni_67:

(Start: 37 @41200 has 27 MA's), (Start: 49 @41173 has 225 MA's), (99, 41044), (116, 40990),

Gene: StarStuff_68 Start: 41303, Stop: 41067, Start Num: 47

Candidate Starts for StarStuff_68:

(15, 41456), (Start: 37 @41330 has 27 MA's), (Start: 47 @41303 has 52 MA's), (57, 41285), (64, 41252), (99, 41165),

Gene: Stasia_60 Start: 40232, Stop: 40008, Start Num: 52

Candidate Starts for Stasia_60:

(Start: 36 @40274 has 22 MA's), (Start: 37 @40262 has 27 MA's), (Start: 52 @40232 has 138 MA's), (116, 40055),

Gene: Steamy_62 Start: 40151, Stop: 39912, Start Num: 49

Candidate Starts for Steamy_62:

(Start: 37 @40181 has 27 MA's), (Start: 49 @40151 has 225 MA's), (57, 40133),

Gene: StepMih_67 Start: 41164, Stop: 40934, Start Num: 49

Candidate Starts for StepMih_67:

(Start: 37 @41191 has 27 MA's), (Start: 49 @41164 has 225 MA's), (99, 41035), (116, 40981),

Gene: StewieG_55 Start: 36836, Stop: 36702, Start Num: 84

Candidate Starts for StewieG_55:

(Start: 84 @36836 has 146 MA's), (118, 36734),

Gene: Stink_59 Start: 40033, Stop: 39809, Start Num: 52

Candidate Starts for Stink_59:

(Start: 36 @40075 has 22 MA's), (Start: 37 @40063 has 27 MA's), (Start: 52 @40033 has 138 MA's), (60, 40012),

Gene: StrongArm_57 Start: 40820, Stop: 40560, Start Num: 78
Candidate Starts for StrongArm_57:
(Start: 78 @40820 has 46 MA's), (113, 40733), (127, 40631),

Gene: Sumter_54 Start: 40052, Stop: 39918, Start Num: 84
Candidate Starts for Sumter_54:
(Start: 84 @40052 has 146 MA's), (118, 39950),

Gene: Sunhee_68 Start: 39935, Stop: 39705, Start Num: 49
Candidate Starts for Sunhee_68:
(Start: 49 @39935 has 225 MA's), (57, 39917), (62, 39896), (105, 39788),

Gene: Sunshine924_60 Start: 39199, Stop: 39056, Start Num: 78
Candidate Starts for Sunshine924_60:
(Start: 78 @39199 has 46 MA's),

Gene: SuperAwesome_66 Start: 39073, Stop: 38840, Start Num: 49
Candidate Starts for SuperAwesome_66:
(Start: 49 @39073 has 225 MA's), (57, 39055), (62, 39034), (70, 39007), (74, 38992), (99, 38941), (105, 38926),

Gene: SuperCallie99_63 Start: 38955, Stop: 38722, Start Num: 49
Candidate Starts for SuperCallie99_63:
(Start: 49 @38955 has 225 MA's), (57, 38937), (62, 38916), (70, 38889), (74, 38874), (99, 38823), (105, 38808),

Gene: Superchunk_67 Start: 39685, Stop: 39446, Start Num: 47
Candidate Starts for Superchunk_67:
(Start: 47 @39685 has 52 MA's), (57, 39667), (62, 39646), (64, 39634), (99, 39547),

Gene: SweetiePie_66 Start: 41527, Stop: 41297, Start Num: 49
Candidate Starts for SweetiePie_66:
(Start: 49 @41527 has 225 MA's), (57, 41509), (61, 41491), (115, 41353),

Gene: SwirlSquare_72 Start: 40512, Stop: 40273, Start Num: 47
Candidate Starts for SwirlSquare_72:
(Start: 37 @40536 has 27 MA's), (Start: 47 @40512 has 52 MA's), (57, 40494), (64, 40461), (99, 40374),

Gene: SwissCheese_59 Start: 39632, Stop: 39498, Start Num: 84
Candidate Starts for SwissCheese_59:
(Start: 84 @39632 has 146 MA's), (118, 39530),

Gene: Switzer_59 Start: 41665, Stop: 41522, Start Num: 78
Candidate Starts for Switzer_59:
(Start: 78 @41665 has 46 MA's),

Gene: Swole_58 Start: 39113, Stop: 38979, Start Num: 84
Candidate Starts for Swole_58:
(Start: 84 @39113 has 146 MA's), (118, 39011),

Gene: TNguyen7_66 Start: 40862, Stop: 40632, Start Num: 52

Candidate Starts for TNguyen7_66:

(34, 40904), (Start: 37 @40892 has 27 MA's), (Start: 52 @40862 has 138 MA's), (105, 40718), (106, 40715), (118, 40664),

Gene: Taquarus_61 Start: 40467, Stop: 40243, Start Num: 52

Candidate Starts for Taquarus_61:

(Start: 36 @40509 has 22 MA's), (Start: 37 @40497 has 27 MA's), (Start: 52 @40467 has 138 MA's), (60, 40446), (116, 40290), (124, 40251),

Gene: Target_59 Start: 38402, Stop: 38268, Start Num: 84

Candidate Starts for Target_59:

(Start: 84 @38402 has 146 MA's), (118, 38300),

Gene: TarsusIV_63 Start: 40986, Stop: 40756, Start Num: 49

Candidate Starts for TarsusIV_63:

(Start: 49 @40986 has 225 MA's), (57, 40968), (61, 40950), (70, 40920), (99, 40857), (116, 40803), (121, 40779), (124, 40764),

Gene: Tasp14_61 Start: 40363, Stop: 40229, Start Num: 84

Candidate Starts for Tasp14_61:

(Start: 84 @40363 has 146 MA's), (118, 40261),

Gene: Taurus_69 Start: 41170, Stop: 40940, Start Num: 49

Candidate Starts for Taurus_69:

(Start: 37 @41197 has 27 MA's), (Start: 49 @41170 has 225 MA's), (99, 41041), (116, 40987),

Gene: Teodoridan_56 Start: 39136, Stop: 39002, Start Num: 84

Candidate Starts for Teodoridan_56:

(Start: 84 @39136 has 146 MA's),

Gene: Texage_62 Start: 40847, Stop: 40644, Start Num: 52

Candidate Starts for Texage_62:

(Start: 37 @40877 has 27 MA's), (Start: 52 @40847 has 138 MA's), (103, 40718), (124, 40652),

Gene: Thanksgivukkah_61 Start: 40504, Stop: 40238, Start Num: 36

Candidate Starts for Thanksgivukkah_61:

(Start: 36 @40504 has 22 MA's), (Start: 37 @40492 has 27 MA's), (Start: 52 @40462 has 138 MA's), (60, 40441), (116, 40285), (124, 40246),

Gene: TheloniousMonk_59 Start: 41765, Stop: 41631, Start Num: 84

Candidate Starts for TheloniousMonk_59:

(Start: 84 @41765 has 146 MA's), (118, 41663),

Gene: Thor_55 Start: 38429, Stop: 38286, Start Num: 78

Candidate Starts for Thor_55:

(Start: 78 @38429 has 46 MA's), (118, 38318),

Gene: Tiffany_67 Start: 41056, Stop: 40826, Start Num: 49

Candidate Starts for Tiffany_67:

(Start: 37 @41083 has 27 MA's), (Start: 49 @41056 has 225 MA's), (99, 40927), (116, 40873),

Gene: Timothy_66 Start: 40142, Stop: 39909, Start Num: 49
Candidate Starts for Timothy_66:
(Start: 49 @40142 has 225 MA's), (57, 40124), (87, 40040), (110, 39980), (112, 39974),

Gene: Timshel_65 Start: 43612, Stop: 43391, Start Num: 47
Candidate Starts for Timshel_65:
(13, 43789), (16, 43738), (Start: 47 @43612 has 52 MA's), (57, 43591),

Gene: TinaFeyge_60 Start: 40501, Stop: 40235, Start Num: 36
Candidate Starts for TinaFeyge_60:
(Start: 36 @40501 has 22 MA's), (Start: 37 @40489 has 27 MA's), (Start: 52 @40459 has 138 MA's),
(60, 40438), (116, 40282), (124, 40243),

Gene: TinyTimmy_66 Start: 40119, Stop: 39886, Start Num: 49
Candidate Starts for TinyTimmy_66:
(Start: 37 @40161 has 27 MA's), (Start: 49 @40119 has 225 MA's), (57, 40101), (87, 40017), (110,
39957), (112, 39951),

Gene: Tinybot_61 Start: 40494, Stop: 40270, Start Num: 52
Candidate Starts for Tinybot_61:
(Start: 36 @40536 has 22 MA's), (Start: 37 @40524 has 27 MA's), (Start: 52 @40494 has 138 MA's),
(60, 40473), (116, 40317), (124, 40278),

Gene: TopsytheTRex_65 Start: 40588, Stop: 40352, Start Num: 47
Candidate Starts for TopsytheTRex_65:
(Start: 37 @40615 has 27 MA's), (Start: 47 @40588 has 52 MA's), (57, 40570), (64, 40537), (99,
40450),

Gene: TiroTheta9_61 Start: 40458, Stop: 40234, Start Num: 52
Candidate Starts for TiroTheta9_61:
(Start: 36 @40500 has 22 MA's), (Start: 37 @40488 has 27 MA's), (Start: 52 @40458 has 138 MA's),
(60, 40437), (116, 40281), (124, 40242),

Gene: Toaka_67 Start: 40624, Stop: 40391, Start Num: 49
Candidate Starts for Toaka_67:
(Start: 49 @40624 has 225 MA's), (57, 40606), (86, 40519), (121, 40414),

Gene: Todacoro_64 Start: 40846, Stop: 40643, Start Num: 52
Candidate Starts for Todacoro_64:
(Start: 37 @40876 has 27 MA's), (Start: 52 @40846 has 138 MA's), (103, 40717), (124, 40651),

Gene: Tomathan_68 Start: 41350, Stop: 41114, Start Num: 47
Candidate Starts for Tomathan_68:
(15, 41503), (Start: 37 @41377 has 27 MA's), (Start: 47 @41350 has 52 MA's), (57, 41332), (64,
41299), (99, 41212),

Gene: ToneTone_64 Start: 39112, Stop: 38879, Start Num: 49
Candidate Starts for ToneTone_64:
(Start: 37 @39142 has 27 MA's), (Start: 49 @39112 has 225 MA's), (57, 39094), (62, 39073), (70,
39046), (99, 38980), (110, 38953), (116, 38926), (124, 38887),

Gene: Topanga_58 Start: 39963, Stop: 39730, Start Num: 47
Candidate Starts for Topanga_58:

(Start: 37 @39990 has 27 MA's), (Start: 47 @39963 has 52 MA's), (57, 39942), (Start: 84 @39858 has 146 MA's),

Gene: Topgun_57 Start: 39202, Stop: 39068, Start Num: 84

Candidate Starts for Topgun_57:

(Start: 84 @39202 has 146 MA's), (118, 39100),

Gene: Toro_65 Start: 44015, Stop: 43773, Start Num: 46

Candidate Starts for Toro_65:

(13, 44180), (16, 44129), (21, 44096), (Start: 46 @44015 has 3 MA's), (57, 43994), (60, 43982), (115, 43832),

Gene: Tote_54 Start: 36380, Stop: 36246, Start Num: 84

Candidate Starts for Tote_54:

(Start: 84 @36380 has 146 MA's), (118, 36278),

Gene: Tourach_100 Start: 62232, Stop: 62414, Start Num: 69

Candidate Starts for Tourach_100:

(38, 62139), (48, 62169), (Start: 69 @62232 has 27 MA's), (72, 62241), (Start: 77 @62259 has 1 MA's), (Start: 80 @62268 has 4 MA's), (93, 62301), (101, 62325), (115, 62355), (116, 62367), (118, 62382),

Gene: Traft412_61 Start: 40928, Stop: 40671, Start Num: 80

Candidate Starts for Traft412_61:

(Start: 80 @40928 has 4 MA's), (102, 40871), (109, 40853),

Gene: Travvers_67 Start: 41300, Stop: 41064, Start Num: 47

Candidate Starts for Travvers_67:

(15, 41453), (Start: 37 @41327 has 27 MA's), (Start: 47 @41300 has 52 MA's), (57, 41282), (64, 41249), (99, 41162),

Gene: Treddle_59 Start: 40533, Stop: 40399, Start Num: 84

Candidate Starts for Treddle_59:

(Start: 84 @40533 has 146 MA's), (118, 40431),

Gene: Trike_58 Start: 39190, Stop: 38954, Start Num: 47

Candidate Starts for Trike_58:

(Start: 37 @39220 has 27 MA's), (Start: 47 @39190 has 52 MA's), (57, 39169), (99, 39055),

Gene: Tripl3t_60 Start: 41504, Stop: 41370, Start Num: 84

Candidate Starts for Tripl3t_60:

(Start: 84 @41504 has 146 MA's), (118, 41402),

Gene: Trixie_64 Start: 41204, Stop: 40974, Start Num: 49

Candidate Starts for Trixie_64:

(30, 41255), (Start: 37 @41234 has 27 MA's), (Start: 49 @41204 has 225 MA's), (57, 41186), (99, 41072), (105, 41057),

Gene: Trooper_66 Start: 41462, Stop: 41232, Start Num: 49

Candidate Starts for Trooper_66:

(42, 41480), (Start: 49 @41462 has 225 MA's), (57, 41444), (61, 41426), (70, 41396), (116, 41279), (121, 41255), (124, 41240),

Gene: Trouble_60 Start: 40856, Stop: 40722, Start Num: 84
Candidate Starts for Trouble_60:
(Start: 84 @40856 has 146 MA's), (118, 40754),

Gene: TroyPia_63 Start: 40462, Stop: 40238, Start Num: 52
Candidate Starts for TroyPia_63:
(Start: 36 @40504 has 22 MA's), (Start: 37 @40492 has 27 MA's), (Start: 52 @40462 has 138 MA's),
(60, 40441), (116, 40285), (124, 40246),

Gene: Tubs_68 Start: 40602, Stop: 40453, Start Num: 49
Candidate Starts for Tubs_68:
(Start: 49 @40602 has 225 MA's), (57, 40584), (70, 40536),

Gene: Tucker_67 Start: 39281, Stop: 39048, Start Num: 49
Candidate Starts for Tucker_67:
(Start: 37 @39311 has 27 MA's), (Start: 49 @39281 has 225 MA's), (57, 39263), (62, 39242), (70,
39215), (99, 39149), (116, 39095), (124, 39056),

Gene: Turbido_67 Start: 41605, Stop: 41375, Start Num: 49
Candidate Starts for Turbido_67:
(6, 41854), (31, 41659), (33, 41653), (Start: 49 @41605 has 225 MA's), (57, 41587), (105, 41458),
(116, 41419),

Gene: Turj99_56 Start: 40896, Stop: 40753, Start Num: 78
Candidate Starts for Turj99_56:
(Start: 78 @40896 has 46 MA's), (118, 40785),

Gene: Twister_60 Start: 40044, Stop: 39811, Start Num: 47
Candidate Starts for Twister_60:
(23, 40128), (Start: 37 @40071 has 27 MA's), (Start: 47 @40044 has 52 MA's), (57, 40023), (Start: 84
@39939 has 146 MA's),

Gene: TwoPeat_60 Start: 39599, Stop: 39465, Start Num: 84
Candidate Starts for TwoPeat_60:
(Start: 84 @39599 has 146 MA's), (118, 39497),

Gene: TygerBlood_62 Start: 40464, Stop: 40240, Start Num: 52
Candidate Starts for TygerBlood_62:
(Start: 36 @40506 has 22 MA's), (Start: 37 @40494 has 27 MA's), (Start: 52 @40464 has 138 MA's),
(60, 40443), (116, 40287), (124, 40248),

Gene: U2_57 Start: 40613, Stop: 40470, Start Num: 78
Candidate Starts for U2_57:
(Start: 78 @40613 has 46 MA's), (118, 40502),

Gene: Ugenie5_64 Start: 41042, Stop: 40812, Start Num: 49
Candidate Starts for Ugenie5_64:
(Start: 49 @41042 has 225 MA's), (57, 41024), (117, 40847), (121, 40832),

Gene: Ulysses_61 Start: 40144, Stop: 39920, Start Num: 52
Candidate Starts for Ulysses_61:
(Start: 36 @40186 has 22 MA's), (Start: 37 @40174 has 27 MA's), (Start: 52 @40144 has 138 MA's),
(60, 40123), (116, 39967), (124, 39928),

Gene: Updawg_66 Start: 40980, Stop: 40750, Start Num: 49
Candidate Starts for Updawg_66:
(Start: 49 @40980 has 225 MA's), (57, 40962), (61, 40944), (70, 40914), (116, 40797), (121, 40773),

Gene: VA6_66 Start: 41310, Stop: 41080, Start Num: 49
Candidate Starts for VA6_66:
(Start: 49 @41310 has 225 MA's), (57, 41292), (105, 41163), (116, 41124),

Gene: VC3_69 Start: 41277, Stop: 41041, Start Num: 47
Candidate Starts for VC3_69:
(Start: 37 @41304 has 27 MA's), (Start: 47 @41277 has 52 MA's), (57, 41259), (64, 41226), (99, 41139),

Gene: Vanisoa_66 Start: 41485, Stop: 41339, Start Num: 49
Candidate Starts for Vanisoa_66:
(Start: 49 @41485 has 225 MA's), (57, 41467), (66, 41425), (92, 41359),

Gene: Veracruz_62 Start: 40846, Stop: 40643, Start Num: 52
Candidate Starts for Veracruz_62:
(Start: 37 @40876 has 27 MA's), (Start: 52 @40846 has 138 MA's), (103, 40717), (124, 40651),

Gene: Vetric_97 Start: 61015, Stop: 61197, Start Num: 69
Candidate Starts for Vetric_97:
(Start: 69 @61015 has 27 MA's), (Start: 80 @61051 has 4 MA's), (Start: 85 @61057 has 15 MA's), (93, 61084), (94, 61090), (101, 61108), (115, 61138), (116, 61150),

Gene: Violet_56 Start: 40459, Stop: 40325, Start Num: 84
Candidate Starts for Violet_56:
(Start: 84 @40459 has 146 MA's), (118, 40357),

Gene: Vix_66 Start: 41253, Stop: 41023, Start Num: 49
Candidate Starts for Vix_66:
(Start: 37 @41280 has 27 MA's), (Start: 49 @41253 has 225 MA's), (99, 41124), (116, 41070),

Gene: VohminGhazi_66 Start: 39069, Stop: 38836, Start Num: 49
Candidate Starts for VohminGhazi_66:
(Start: 49 @39069 has 225 MA's), (57, 39051), (62, 39030), (70, 39003), (74, 38988), (99, 38937), (105, 38922),

Gene: WalterMcMickey_60 Start: 40044, Stop: 39811, Start Num: 47
Candidate Starts for WalterMcMickey_60:
(23, 40128), (Start: 37 @40071 has 27 MA's), (Start: 47 @40044 has 52 MA's), (57, 40023), (Start: 84 @39939 has 146 MA's),

Gene: Wander_62 Start: 40503, Stop: 40237, Start Num: 36
Candidate Starts for Wander_62:
(Start: 36 @40503 has 22 MA's), (Start: 37 @40491 has 27 MA's), (Start: 52 @40461 has 138 MA's), (60, 40440), (116, 40284), (124, 40245),

Gene: Watermelon_59 Start: 39819, Stop: 39685, Start Num: 84
Candidate Starts for Watermelon_59:
(Start: 84 @39819 has 146 MA's), (118, 39717),

Gene: Watson_67 Start: 41162, Stop: 40932, Start Num: 49

Candidate Starts for Watson_67:

(Start: 37 @41189 has 27 MA's), (Start: 49 @41162 has 225 MA's), (99, 41033), (116, 40979),

Gene: WeiHuaDA_67 Start: 42183, Stop: 41950, Start Num: 49

Candidate Starts for WeiHuaDA_67:

(Start: 37 @42213 has 27 MA's), (Start: 49 @42183 has 225 MA's), (57, 42165), (86, 42078), (99, 42051), (105, 42036), (121, 41973), (124, 41958),

Gene: Whabigail7_67 Start: 41605, Stop: 41375, Start Num: 49

Candidate Starts for Whabigail7_67:

(6, 41854), (31, 41659), (33, 41653), (Start: 49 @41605 has 225 MA's), (57, 41587), (105, 41458), (116, 41419),

Gene: Wheeler_58 Start: 39624, Stop: 39490, Start Num: 84

Candidate Starts for Wheeler_58:

(Start: 84 @39624 has 146 MA's), (118, 39522),

Gene: Whirlwind_98 Start: 61608, Stop: 61742, Start Num: 85

Candidate Starts for Whirlwind_98:

(Start: 77 @61593 has 1 MA's), (Start: 85 @61608 has 15 MA's), (95, 61644), (96, 61647), (104, 61659), (118, 61710), (120, 61716),

Gene: WideWale_66 Start: 40980, Stop: 40750, Start Num: 49

Candidate Starts for WideWale_66:

(Start: 49 @40980 has 225 MA's), (57, 40962), (61, 40944), (70, 40914), (116, 40797), (121, 40773),

Gene: Wigglewigggle_99 Start: 61323, Stop: 61505, Start Num: 69

Candidate Starts for Wigglewigggle_99:

(Start: 69 @61323 has 27 MA's), (Start: 80 @61359 has 4 MA's), (Start: 85 @61365 has 15 MA's), (93, 61392), (94, 61398), (101, 61416), (115, 61446), (116, 61458),

Gene: Wiks_66 Start: 39183, Stop: 38950, Start Num: 49

Candidate Starts for Wiks_66:

(Start: 37 @39213 has 27 MA's), (Start: 49 @39183 has 225 MA's), (57, 39165), (62, 39144), (70, 39117), (99, 39051), (110, 39024), (116, 38997), (124, 38958),

Gene: Wilbur_62 Start: 40461, Stop: 40237, Start Num: 52

Candidate Starts for Wilbur_62:

(Start: 36 @40503 has 22 MA's), (Start: 37 @40491 has 27 MA's), (Start: 52 @40461 has 138 MA's), (60, 40440), (116, 40284), (124, 40245),

Gene: Wilder_100 Start: 61159, Stop: 61341, Start Num: 69

Candidate Starts for Wilder_100:

(Start: 69 @61159 has 27 MA's), (Start: 80 @61195 has 4 MA's), (93, 61228), (94, 61234), (101, 61252), (115, 61282), (116, 61294), (118, 61309),

Gene: Wile_60 Start: 40335, Stop: 40111, Start Num: 52

Candidate Starts for Wile_60:

(Start: 36 @40377 has 22 MA's), (Start: 52 @40335 has 138 MA's), (115, 40170), (116, 40158),

Gene: Wilkins_57 Start: 39132, Stop: 38998, Start Num: 84

Candidate Starts for Wilkins_57:
(Start: 84 @39132 has 146 MA's), (118, 39030),

Gene: Winky_99 Start: 61842, Stop: 62027, Start Num: 67
Candidate Starts for Winky_99:
(Start: 67 @61842 has 4 MA's), (Start: 69 @61845 has 27 MA's), (76, 61869), (Start: 80 @61881 has 4 MA's), (Start: 85 @61887 has 15 MA's), (101, 61938), (115, 61968), (116, 61980), (118, 61995),

Gene: Wizard007_61 Start: 40469, Stop: 40245, Start Num: 52
Candidate Starts for Wizard007_61:
(Start: 36 @40511 has 22 MA's), (Start: 37 @40499 has 27 MA's), (Start: 52 @40469 has 138 MA's), (60, 40448), (116, 40292), (124, 40253),

Gene: Wooldri_70 Start: 41109, Stop: 40852, Start Num: 37
Candidate Starts for Wooldri_70:
(Start: 37 @41109 has 27 MA's), (Start: 49 @41082 has 225 MA's), (99, 40953), (116, 40899),

Gene: WunderPhul_67 Start: 39181, Stop: 38948, Start Num: 49
Candidate Starts for WunderPhul_67:
(Start: 37 @39211 has 27 MA's), (Start: 49 @39181 has 225 MA's), (57, 39163), (62, 39142), (70, 39115), (99, 39049), (110, 39022), (116, 38995), (124, 38956),

Gene: Xena_59 Start: 40301, Stop: 40077, Start Num: 52
Candidate Starts for Xena_59:
(Start: 36 @40343 has 22 MA's), (Start: 37 @40331 has 27 MA's), (Start: 52 @40301 has 138 MA's), (115, 40136), (116, 40124),

Gene: XianYue_63 Start: 40566, Stop: 40336, Start Num: 49
Candidate Starts for XianYue_63:
(Start: 49 @40566 has 225 MA's), (57, 40548), (99, 40437), (105, 40422), (116, 40383),

Gene: Yecey3_69 Start: 40709, Stop: 40557, Start Num: 47
Candidate Starts for Yecey3_69:
(Start: 47 @40709 has 52 MA's), (57, 40688), (107, 40580), (114, 40565),

Gene: YoSam321_62 Start: 40458, Stop: 40234, Start Num: 52
Candidate Starts for YoSam321_62:
(Start: 36 @40500 has 22 MA's), (Start: 37 @40488 has 27 MA's), (Start: 52 @40458 has 138 MA's), (60, 40437), (116, 40281), (124, 40242),

Gene: Yokurt_66 Start: 39183, Stop: 38950, Start Num: 49
Candidate Starts for Yokurt_66:
(Start: 37 @39213 has 27 MA's), (Start: 49 @39183 has 225 MA's), (57, 39165), (62, 39144), (70, 39117), (99, 39051), (110, 39024), (116, 38997), (124, 38958),

Gene: Zaka_67 Start: 39183, Stop: 38950, Start Num: 49
Candidate Starts for Zaka_67:
(Start: 37 @39213 has 27 MA's), (Start: 49 @39183 has 225 MA's), (57, 39165), (62, 39144), (70, 39117), (99, 39051), (110, 39024), (116, 38997), (124, 38958),

Gene: Zakai_100 Start: 61802, Stop: 61984, Start Num: 69
Candidate Starts for Zakai_100:

(Start: 69 @61802 has 27 MA's), (Start: 80 @61838 has 4 MA's), (Start: 85 @61844 has 15 MA's), (93, 61871), (94, 61877), (101, 61895), (115, 61925), (116, 61937),

Gene: Zeeculate_56 Start: 40569, Stop: 40435, Start Num: 84
Candidate Starts for Zeeculate_56:
(Start: 84 @40569 has 146 MA's), (118, 40467),

Gene: Zephyr_59 Start: 39575, Stop: 39441, Start Num: 84
Candidate Starts for Zephyr_59:
(Start: 84 @39575 has 146 MA's), (118, 39473),

Gene: Zetzy_67 Start: 40733, Stop: 40503, Start Num: 49
Candidate Starts for Zetzy_67:
(Start: 37 @40760 has 27 MA's), (Start: 49 @40733 has 225 MA's), (99, 40604), (116, 40550),

Gene: Zeuska_57 Start: 40195, Stop: 40061, Start Num: 84
Candidate Starts for Zeuska_57:
(Start: 84 @40195 has 146 MA's), (118, 40093),

Gene: ZhongYanYuan_96 Start: 61296, Stop: 61478, Start Num: 69
Candidate Starts for ZhongYanYuan_96:
(57, 61251), (66, 61293), (Start: 69 @61296 has 27 MA's), (Start: 77 @61323 has 1 MA's), (Start: 80 @61332 has 4 MA's), (93, 61365), (101, 61389), (115, 61419), (116, 61431), (118, 61446),

Gene: Zimmer_63 Start: 41380, Stop: 41147, Start Num: 49
Candidate Starts for Zimmer_63:
(Start: 49 @41380 has 225 MA's), (57, 41362), (74, 41299),

Gene: Zulu_68 Start: 39561, Stop: 39328, Start Num: 49
Candidate Starts for Zulu_68:
(Start: 37 @39591 has 27 MA's), (Start: 49 @39561 has 225 MA's), (57, 39543), (62, 39522), (70, 39495), (99, 39429), (110, 39402), (116, 39375), (124, 39336),