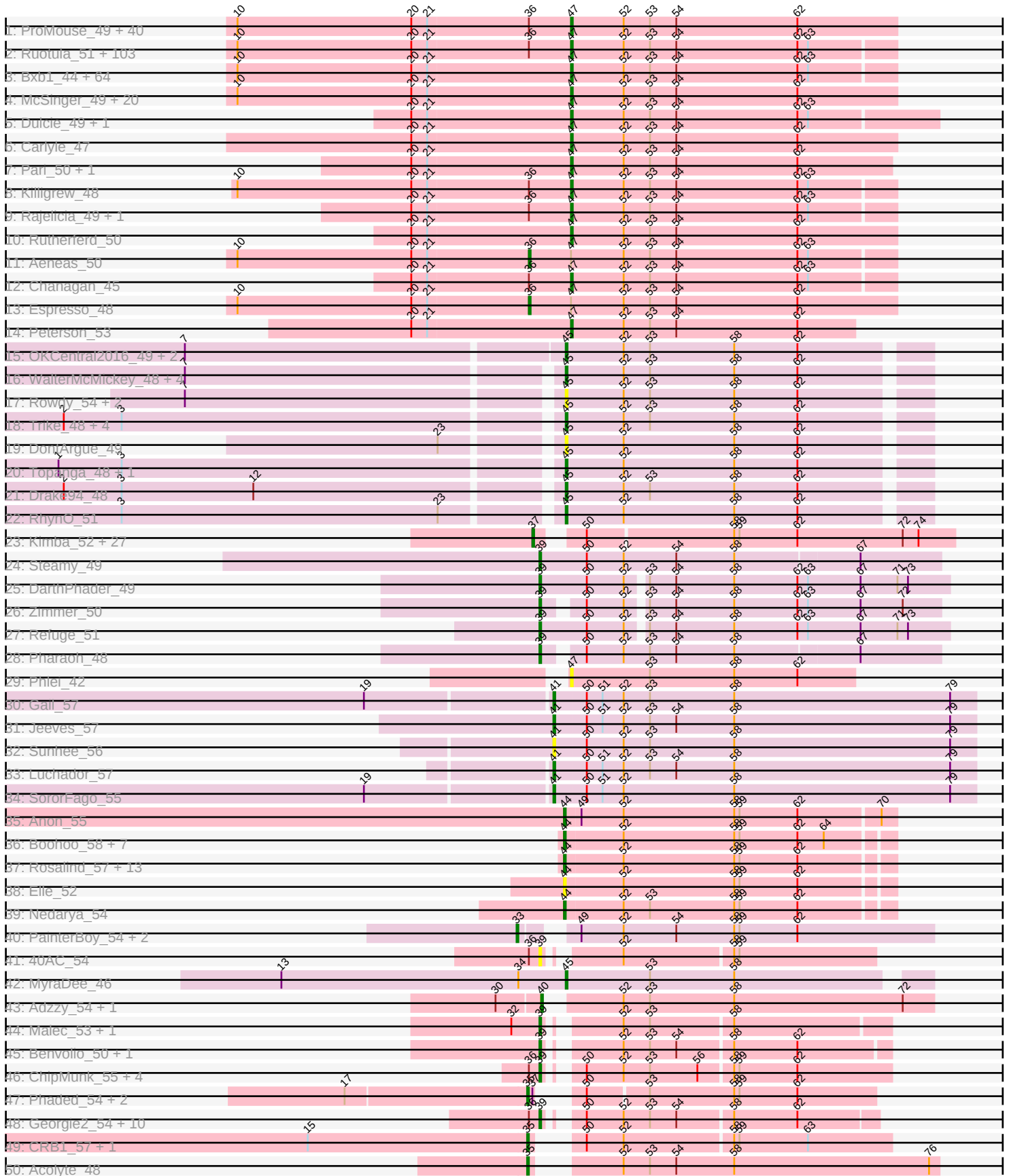
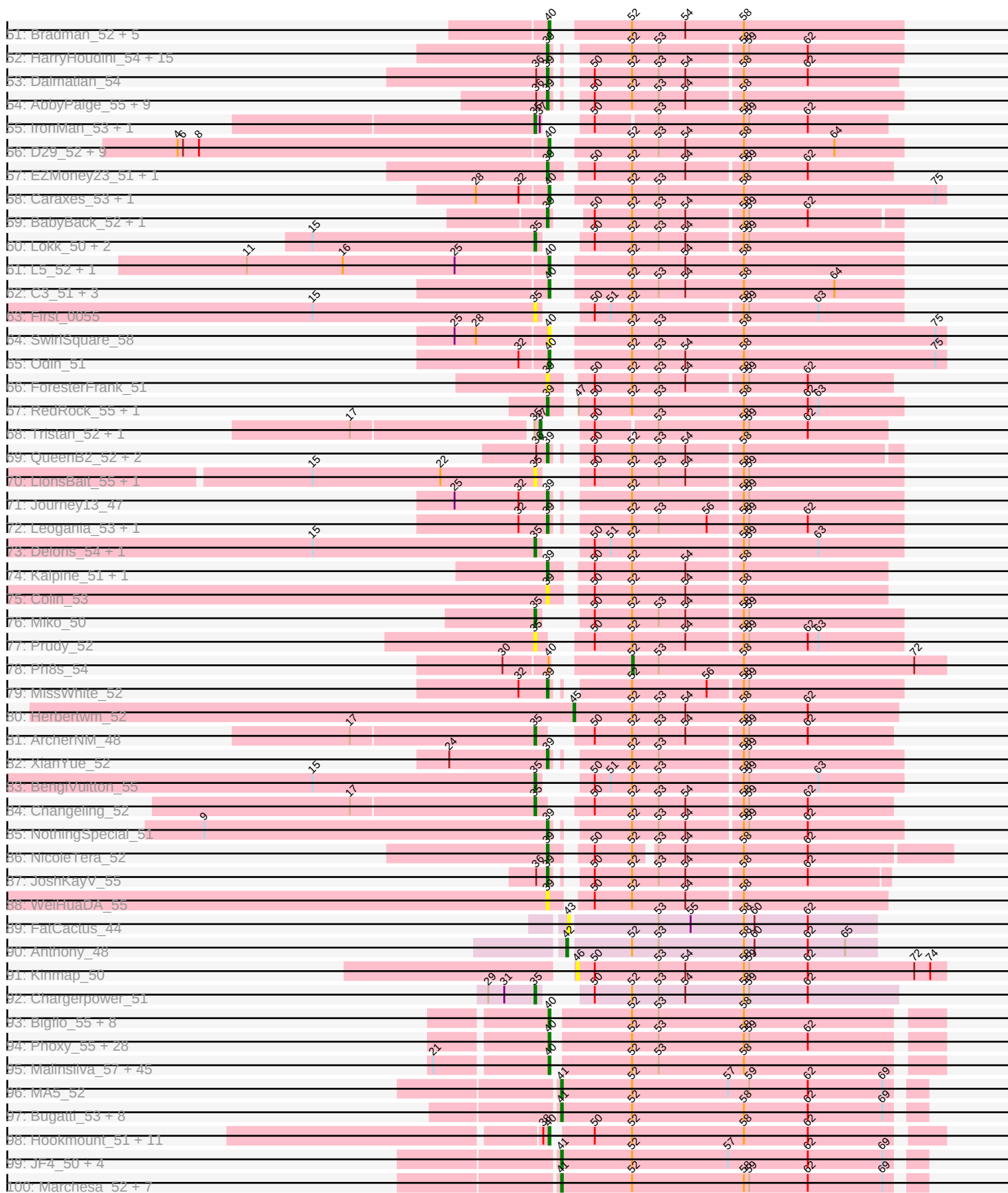


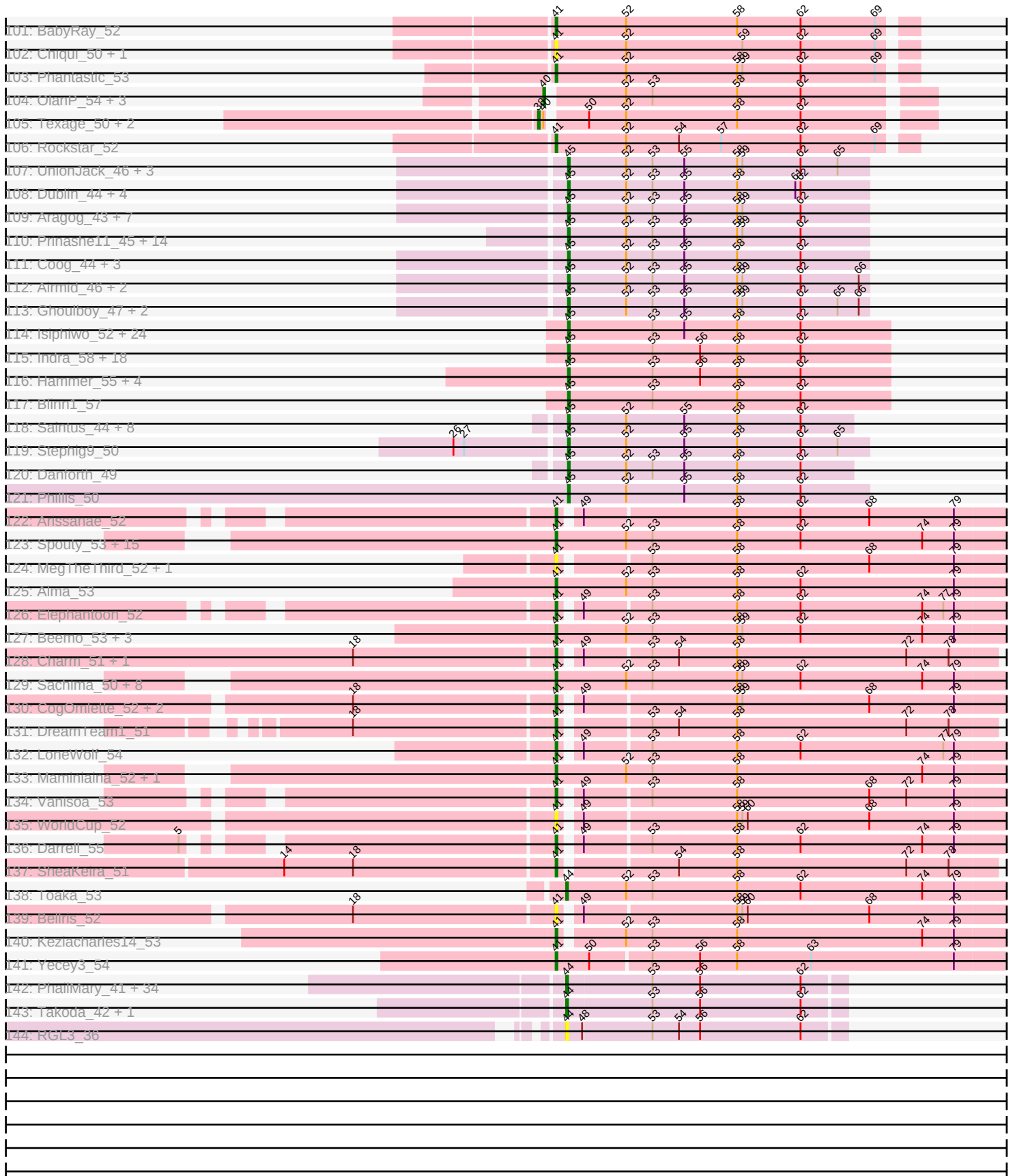
Pham 250097



Pham 250097



Pham 250097



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 250097 Report

This analysis was run 02/07/26 on database version 634.

Pham number 250097 has 784 members, 102 are drafts.

Phages represented in each track:

- Track 1 : ProMouse_49, Sibs6_49, Jorgensen_50, BillKnuckles_49, Payneful_48, BluSpix_47, Fenn_51, Big3_48, Altman_51, Squee_49, Molly_49, Marchy_43, SkiPole_53, Buttons_47, BarrowTuph_49, Norz_49, Phlippers_47, Lamina13_49, Wilkins_48, Topgun_48, Naira_51, Paphu_46, Sunshine924_49, Blesser_47, Levia_46, MilleFeuille_45, Petp2012_49, STLscum_51, Adahisdi_48, Tasp14_50, Oogway_47, Nhonho_49, Traft412_51, Raid_49, Ohno789_50, Barriga_49, PhineBark_48, Ajay_50, Teodoridan_47, Parliament_48, IgnatiusPatJac_49
- Track 2 : Ruotula_51, Smairt_50, Bigchung_48, Seabiscuit_51, PattyP_49, Alvin_48, Arcanine_49, Zephyr_48, JuliaChild_49, KikiBouba_49, Bob3_46, Scowl_49, Abbyshoes_51, Froghopper_46, Edtherson_48, Monet_51, ShortQueendom_42, Noxious_48, Kenmech_52, RidgeCB_48, U2_48, Pita2_51, Hermia_49, Watermelon_49, Thor_46, EnzoK_47, McGuire_50, Treddle_49, Sanya_46, Petruchio_48, Lesedi_45, Rohr_49, Jerm2_49, Bexan_47, Makemake_48, Solon_47, Arlo_46, Sandaddy_47, CatBus_48, Snazzy_47, KyMonks1A_50, GMonster_45, Seanderson_50, Rubeus_48, PSullivan_48, Swole_49, Maroc7_46, ConceptII_50, Blackflame_47, Fascinus_44, Beatrix_48, Zeeculate_46, Dussy_50, StrongArm_48, Whitspit_46, Pinto_48, KSSJEB_48, GroundGoblin_49, Paraselene_46, BigMau_49, Lopton_49, Bigfoot_44, MPlant7149_47, Kanely_50, Abrogate_470, DrFeelGood_46, Target_49, TwoPeat_49, Aldrich_48, Mule_45, MaryBeth_48, Zeuska_47, PhrostyMug_47, HermioneGrange_48, Slagathor_50, SarFire_46, Wheeler_49, NEHalo_46, Marcell_46, KBG_50, Tote_44, Marge_48, LunarLander_50, Hami1_42, Manatee_50, Sumter_45, Perseus_48, Rufus_49, Gwendoluna_52, Sorpresa_47, PowerRanger_49, Rhynn_47, Applejack_43, DD5_47, PinkPlastic_48, Bones_49, Ichabod_51, GageAP_49, StewieG_47, Briton15_51, Lockley_47, MetalQZJ_47, Acme_50, Cueylyss_50
- Track 3 : Bxb1_44, Trouble_51, Greg_50, Jasper_50, BigPaolini_48, Kugel_49, SwissCheese_50, Inyanga_45, Doom_48, PherrisBueller_48, LilBib_48, Niza_51, BeesKnees_50, Kykar_48, Smeagol_50, Magnar_48, Gachnar_48, GrecoEtereo_49, Mkhusele_47, Ashballer_50, Graduation_52, Puppet_50, Switzer_50, BK1_44, CactusRose_46, Pippin_50, DreamCatcher_52, Francis47_47, Ciao_48, Gompeii16_47, HarryOW_47, A6_44, Iqorha_45, Bircsak_47, Gandalf20_51, Forsytheast_48, Corvo_49, Nerujay_51, Dreamboat_50, ChristmasHams_44, Alsfro_52, CartmannCramer_47, Sagefire_51, TheloniousMonk_49, Pepe_45, PacerPaul_48, Atkinbua_51, Licorice_51, HanShotFirst_48, QTRlifeCrisis_48, ILeeKay_52, Fajezeel_50, Gyzlar_44, Crispicous1_46, Eyeball_50, JackSparrow_49, Tripl3t_48, Violet_46, Moose_48, Marco3_51, Agalliana_44, Marsha_48, BPBiebs31_49, Bruns_47, Mryolo_46

- Track 4 : McSinger_49, Blue_48, Burton_48, Papez_51, Bethlehem_49, Homines_41, Dexes_49, Magnito_47, BaconJack_51, Pelly_48, Michley_48, JC27_50, Euphoria_46, AFIS_46, SpikeBT_48, PascalRango_49, Fushigi_47, Turj99_47, MrGordo_48, Museum_49, Anglerfish_50
- Track 5 : Dulcie_49, Ringer_49
- Track 6 : Carlyle_47
- Track 7 : Pari_50, Hope4ever_51
- Track 8 : Killigrew_48
- Track 9 : Rajelicia_49, Dynamix_50
- Track 10 : Rutherford_50
- Track 11 : Aeneas_50
- Track 12 : Chanagan_45
- Track 13 : Espresso_48
- Track 14 : Peterson_53
- Track 15 : OKCentral2016_49, Chupacabra_49, Goose_50
- Track 16 : WalterMcMickey_48, Rebeuca_50, Eaglepride_51, Twister_48, Kristoff_50
- Track 17 : Rowdy_54, DustyMartin_54, Shapes_54
- Track 18 : Trike_48, Poompha_49, Severus_48, KittenMittens_47, PeaceMeal1_48
- Track 19 : DontArgue_49
- Track 20 : Topanga_48, Edison31_49
- Track 21 : Drake94_48
- Track 22 : RhynO_51
- Track 23 : Kimba_52, Mulciber_52, Orange_52, Hutc2_52, MaCh_53, Bud_52, Jabith_53, Insomnia_53, Salz_51, TinyTimmy_52, Et2Brutus_51, Ebony_52, Flaverint_53, Fibonacci_52, Saskia_53, Bowtie_53, Wolpertinger_51, Joselito_53, Bachome_54, Sham4_52, Snape_52, Gilberta_53, Mabel_52, Munch_53, Timothy_52, Aneem_53, Lucivia_53, Petersenfast_51
- Track 24 : Steamy_49
- Track 25 : DarthPhader_49
- Track 26 : Zimmer_50
- Track 27 : Refuge_51
- Track 28 : Pharaoh_48
- Track 29 : Phlei_42
- Track 30 : Gail_57
- Track 31 : Jeeves_57
- Track 32 : Sunhee_56
- Track 33 : Luchador_57
- Track 34 : SororFago_55
- Track 35 : Anon_55
- Track 36 : Boohoo_58, LastResort_57, JSwag_58, Nebulosus_57, DekHockey33_59, Epsocamisio_56, Anaysia_58, ReMo_57
- Track 37 : Rosalind_57, Strosahl_59, KatherineG_59, MinecraftSteve_59, Waits_59, ShayRa_59, Soups_59, Warrior24_61, Looper_58, Oofda_59, Ravana_62, Remus_59, Switzerland_58, Battleship_60
- Track 38 : Elle_52
- Track 39 : Nedarya_54
- Track 40 : PainterBoy_54, Lucyedi_54, EagleEye_55
- Track 41 : 40AC_54
- Track 42 : MyraDee_46
- Track 43 : Adzzy_54, Che12_54
- Track 44 : Malec_53, Larenn_52
- Track 45 : Benvolio_50, Echild_53

- Track 46 : ChipMunk_55, DeerParkTS_52, EvilGenius_55, TarsusIV_52, KingCyrus_55
- Track 47 : Phaded_54, Jaan_53, Bactobuster_52
- Track 48 : Georgie2_54, FiringLine_53, Power_52, SweetiePie_53, SemperFi_54, DudeLittle_52, Retro23_54, SnapTap_53, Crucio_53, QueenBeesly_53, Anselm_54
- Track 49 : CRB1_57, LadyBird_58
- Track 50 : Acolyte_48
- Track 51 : Bradman_52, Quokka_51, TipsytheTRex_49, Serenity_53, MajorMajor_52, Jsquared_51
- Track 52 : HarryHoudini_54, NaSiaTalie_53, Flare16_53, Trooper_54, Gratitude_53, Updawg_54, Sknot_53, Equemioh13_54, Iwokeuplied_56, WideWale_54, MiculUcigas_53, Centaur_54, Drake55_55, Terrific_56, Baehexic_52, Piro94_53
- Track 53 : Dalmatian_54
- Track 54 : AbbyPaige_55, Jerm_55, Buggy_55, Smeagan_56, Dignity_55, Whabigail7_54, Leviathan_55, Agape74_55, LilTurb_54, Turbido_54
- Track 55 : IronMan_53, Pukovnik_52
- Track 56 : D29_52, StarStuff_55, Duplo_55, Kerberos_55, DBQu4n_55, D32_54, Travvers_55, Pomar16_55, Naji_55, Tomathan_55
- Track 57 : EZMoney23_51, Loser_55
- Track 58 : Caraxes_53, Superchunk_51
- Track 59 : BabyBack_52, GaugeLDP_51
- Track 60 : Lokk_50, Rachaly_52, BobSwaget_49
- Track 61 : L5_52, Koduck_54
- Track 62 : C3_51, VC3_56, AN9_56, ANI8_56
- Track 63 : First_0055
- Track 64 : SwirlSquare_58
- Track 65 : Odin_51
- Track 66 : ForesterFrank_51
- Track 67 : RedRock_55, AnnaL29_55
- Track 68 : Tristan_52, Landor_53
- Track 69 : QueenB2_52, Heffalump_52, Fameo_53
- Track 70 : LionsBait_55, HippoHollow_53
- Track 71 : Journey13_47
- Track 72 : Leogania_53, BiancaTri92_53
- Track 73 : Deloris_54, 20ES_56
- Track 74 : Kalpine_51, Trixie_51
- Track 75 : Colin_53
- Track 76 : Miko_50
- Track 77 : Prudy_52
- Track 78 : Ph8s_54
- Track 79 : MissWhite_52
- Track 80 : Herbertwm_52
- Track 81 : ArcherNM_48
- Track 82 : XianYue_52
- Track 83 : BengiVuitton_55
- Track 84 : Changeling_52
- Track 85 : NothingSpecial_51
- Track 86 : NicoleTera_52
- Track 87 : JoshKayV_55
- Track 88 : WeiHuaDA_55
- Track 89 : FatCactus_44
- Track 90 : Anthony_48
- Track 91 : Kinmap_50

- Track 92 : Chargerpower_51
- Track 93 : Bigflo_55, SoilDragon_55, Jobu08_54, Anubis_58, Ollie_55, MadMarie_55, Zetzy_54, GingkoMaracino_55, Tiffany_55
- Track 94 : Phoxy_55, Marius_56, Spike509_55, TinyPebbles_54, Methuselah_51, ACFishhook_54, LarryKay_55, AgronaGT15_54, Heliosoles_54, Calvinny_55, BuzzBuzz_53, KADY_55, Manu_55, HashRod_56, Kalnoky_56, Misomonster_56, Daishi_54, Farber_55, PurpleHaze_55, Kalb97_56, JeppNRM_56, Groupthink_56, Pawn_55, Soshari_57, Reba_55, Phranny_56, Bxz2_51, Rummer_54, Louie6_54
- Track 95 : Malinsilva_57, LBerry_56, Hercules11_55, LugYA_58, Fernando_55, Lilith_56, Wooldri_57, Snickers_55, Grub_55, Beauxregard13_55, EpicPhail_56, PGHhamlin_57, Phoebe_56, P28Green_56, Vix_55, SoYo_55, DaHudson_55, StepMih_55, MuchMore_58, BreSam8_55, MoneyMay_55, Marie_55, Gwennie_54, Watson_55, Dieselweasel_56, PotatoSplit_57, Microwolf_55, Taurus_56, JHC117_55, Penny1_56, Grif_55, Colbster_55, MarQuardt_55, Mainiac_55, Pembroke_55, Aglet_56, Grum1_55, AugsMagnumOpus_58, GtownJaz_55, Montavir_54, Stagni_55, JenCasNa_56, Lowa_55, Sabia_55, Sabinator_54, Cullens_55
- Track 96 : MA5_52
- Track 97 : Bugatti_53, Giroux_54, Idleandcovert_53, Pistachio_54, Puppy_54, Clammy_53, TNguyen7_53, SaturnRing_53, BlueBird_54
- Track 98 : Hookmount_51, Pocahontas_51, Popcicle_51, Noella_51, ResDef_51, Norbert_50, Veracruz_50, QuinnKiro_50, Panamaxus_49, Lambert1_51, Caviar_51, Todacoro_51
- Track 99 : JF4_50, JF2_50, MK4_52, B1_47, Isca_51
- Track 100 : Marchesa_52, HelDan_52, Kachowdy_52, Fred313_52, Scout_52, Zarafa_52, Heathen_52, DropBear_52
- Track 101 : BabyRay_52
- Track 102 : Chiqui_50, BabyJohn_50
- Track 103 : Phantastic_53
- Track 104 : OlanP_54, HaveUMetTed_56, PhishRPhriends_53, Gemma_54
- Track 105 : Texage_50, EtoileNova_52, Margo_51
- Track 106 : Rockstar_52
- Track 107 : UnionJack_46, ElTiger69_47, Jabiru_46, Benedict_48
- Track 108 : Dublin_44, MarysWell_44, Naca_46, Chadwick_48, Theia_43
- Track 109 : Aragog_43, Conspiracy_44, Tiger_43, AgentM_43, Jovo_44, PickleBack_44, Lev2_44, ForGetIt_44
- Track 110 : Prinashel1_45, Florence4_45, Discoknowium_43, HuhtaEnerson15_45, Milcery_45, Tarynearal_43, George_44, Micasa_46, LittleCherry_45, Phlorence_43, Bonamassa_45, Archetta_44, Florence1_43, Swirley_47, Twigg_45
- Track 111 : Coog_44, Midas2_44, Bluefalcon_43, Cuco_44
- Track 112 : Airmid_46, PetterN_49, Scorpia_49
- Track 113 : Ghoulboy_47, SydNat_47, Zolita_46
- Track 114 : Isiphiwo_52, GreedyLawyer_54, Kipper29_54, SuperAwesome_54, SuperCallie99_53, McFly_54, BennyP_55, VohminGhazi_54, Pmask_54, BABullseye_48, JewelBug_55, Cookiedough_54, Hoot_49, Newrala_54, Dorothea_54, DaVinci_53, Jordennis_54, Candra_54, SmellyB_54, Chartreuse_53, Kazan_55, EricB_54, Neeharika16_53, Polyphemus_56, Priamo_56
- Track 115 : Indra_58, Hexamo_55, Wiks_54, Koko_56, Tucker_55, Jeffabunny_55, ToneTone_52, Roksolana_56, CloudWang3_55, Zulu_56, Lilbunny_54, Artemis2UCLA_55, Helmet_57, Garak_57, WunderPhul_55, Temprado_56, Zaka_55, BlessJoy_55, Yokurt_55
- Track 116 : Hammer_55, Rifter_55, Blue7_56, Gruunaga_55, Gladiator_52
- Track 117 : Blinn1_57

- Track 118 : Saintus_44, Groundhog_48, Roary_50, Astro_49, NearlyHeadless_49, Smeadley_50, Caitlin_48, Dixon_49, Expelliarmus_49
- Track 119 : Stephig9_50
- Track 120 : Danforth_49
- Track 121 : Phillis_50
- Track 122 : Arissanae_52
- Track 123 : Spouty_53, Qobbit_53, Onglai_51, Phaeder_53, Eidsmoe_53, Fayely_53, Priya_53, Myxus_53, Aliter_53, Conquerage_53, Catalina_54, EmyBug_52, PackMan_52, Ayanochan_54, HortumSL17_53, Tubs_53
- Track 124 : MegTheThird_52, Celestialunch_52
- Track 125 : Alma_53
- Track 126 : Elephantoon_52
- Track 127 : Beemo_53, ExplosioNervosa_53, Phonnegut_53, Pioneer_53
- Track 128 : Charm_51, Klodlith_52
- Track 129 : Sachima_50, RyeScarlet_54, Scherzo_53, Lilleskat_51, Hanray_51, EdogawaKiddo_51, Hølex_52, Ugenie5_50, Jiawan_51
- Track 130 : CogOmlette_52, Rahalelujah_53, Minispark_52
- Track 131 : DreamTeam1_51
- Track 132 : LoneWolf_54
- Track 133 : Maminiaina_52, BogosyJay_52
- Track 134 : Vanisoa_53
- Track 135 : WorldCup_52
- Track 136 : Darrell_55
- Track 137 : SheaKeira_51
- Track 138 : Toaka_53
- Track 139 : Bellris_52
- Track 140 : Keziacharles14_53
- Track 141 : Yecey3_54
- Track 142 : PhailMary_41, BobbyDazzler_42, Bradshaw_42, Partridge_41, Lillie_42, Krishelle_42, AppleCloud_39, Bryce_41, Natosaleda_41, Erik_42, RexFury_41, Nancinator_42, Jester_41, RER2_35, Gollum_42, Rasputin_42, Rhodalysa_42, Phrankenstein_42, Shuman_42, Naiad_41, Belenaria_42, UhSalsa_42, Espica_42, Harlequin_41, Swann_42, CosmicSans_42, Bonanza_42, Yogi_41, Hiro_42, TWAMP_42, Yoncess_41, StCroix_41, Alpacados_41, Dinger_41, Alatin_41
- Track 143 : Takoda_42, AngryOrchard_40
- Track 144 : RGL3_36

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

The start number called the most often in the published annotations is 47, it was called in 216 of the 682 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A6_44, AFIS_46, Abbyshoes_51, Abrogate_470, Acme_50, Adahisdi_48, Agaliana_44, Ajay_50, Aldrich_48, Alsfro_52, Altman_51, Alvin_48, Anglerfish_50, Applejack_43, Arcanine_49, Arlo_46, Ashballer_50, Atkinbua_51, BK1_44, BPBiebs31_49, BaconJack_51, Barriga_49, BarrowTuph_49, Beatrix_48, BeesKnees_50, Bethlehem_49, Bexan_47, Big3_48, BigMau_49, BigPaolini_48, Bigchungu_48, Bigfoot_44, BillKnuckles_49, Bircsak_47, Blackflame_47, Blesser_47, BluSpix_47, Blue_48, Bob3_46, Bones_49, Briton15_51, Bruns_47, Burton_48,

Buttons_47, Bxb1_44, CactusRose_46, Carlyle_47, CartmannCramer_47, CatBus_48, Chanagan_45, ChristmasHams_44, Ciao_48, ConceptII_50, Corvo_49, Crispicous1_46, Cueylyss_50, DD5_47, Dexes_49, Doom_48, DrFeelGood_46, DreamCatcher_52, Dreamboat_50, Dulcie_49, Dussy_50, Dynamix_50, Edtherson_48, EnzoK_47, Euphoria_46, Eyeball_50, Fajezeel_50, Fascinus_44, Fenn_51, Forsytheast_48, Francis47_47, Froghopper_46, Fushigi_47, GMonster_45, Gachnar_48, GageAP_49, Gandalf20_51, Gompeii16_47, Graduation_52, GrecoEtereo_49, Greg_50, GroundGoblin_49, Gwendoluna_52, Gyzlar_44, Hami1_42, HanShotFirst_48, HarryOW_47, Hermia_49, HermioneGrange_48, Homines_41, Hope4ever_51, ILeeKay_52, Ichabod_51, IgnatiusPatJac_49, Inyanga_45, Igorha_45, JC27_50, JackSparrow_49, Jasper_50, Jerm2_49, Jorgensen_50, JuliaChild_49, KBG_50, KSSJEB_48, Kanely_50, Kenmech_52, KikiBouba_49, Killigrew_48, Kugel_49, KyMonks1A_50, Kykar_48, Lamina13_49, Lesedi_45, Levia_46, Licorice_51, LilBib_48, Lockley_47, Lopton_49, LunarLander_50, MPlant7149_47, Magnar_48, Magnito_47, Makemake_48, Manatee_50, Marcell_46, Marchy_43, Marco3_51, Marge_48, Maroc7_46, Marsha_48, MaryBeth_48, McGuire_50, McSinger_49, MetalQZJ_47, Michley_48, MilleFeuille_45, Mkhusele_47, Molly_49, Monet_51, Moose_48, MrGordo_48, Mryolo_46, Mule_45, Museum_49, NEHalo_46, Naira_51, Nerujay_51, Nhonho_49, Niza_51, Norz_49, Noxious_48, Ohno789_50, Oogway_47, PSullivan_48, PacerPaul_48, Papez_51, Paphu_46, Paraselene_46, Pari_50, Parliament_48, PascalRango_49, PattyP_49, Payneful_48, Pelly_48, Pepe_45, Perseus_48, Peterson_53, Petp2012_49, Petruchio_48, PherrisBueller_48, PhineBark_48, Phlei_42, Philipppers_47, PhrostyMug_47, PinkPlastic_48, Pinto_48, Pippin_50, Pita2_51, PowerRanger_49, ProMouse_49, Puppet_50, QTRLifeCrisis_48, Raid_49, Rajelicia_49, Rhynn_47, RidgeCB_48, Ringer_49, Rohr_49, Rubeus_48, Rufus_49, Ruotula_51, Rutherford_50, STLscum_51, Sagefire_51, Sandaddy_47, Sanya_46, SarFire_46, Scowl_49, Seabiscuit_51, Seanderson_50, ShortQueendom_42, Sibs6_49, SkiPole_53, Slagathor_50, Smairt_50, Smeagol_50, Snazzy_47, Solon_47, Sorpresa_47, SpikeBT_48, Squee_49, StewieG_47, StrongArm_48, Sumter_45, Sunshine924_49, SwissCheese_50, Switzer_50, Swole_49, Target_49, Tasp14_50, Teodoridan_47, TheloniousMonk_49, Thor_46, Topgun_48, Tote_44, Traft412_51, Treddle_49, Tripl3t_48, Trouble_51, Turj99_47, TwoPeat_49, U2_48, Violet_46, Watermelon_49, Wheeler_49, Whitspit_46, Wilkins_48, Zeeculate_46, Zephyr_48, Zeuska_47,

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

- Aeneas_50, AnnaL29_55, Espresso_48, RedRock_55,

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

- 20ES_56, 40AC_54, ACFishhook_54, AN9_56, ANI8_56, AbbyPaige_55, Acolyte_48, Adzzy_54, Agape74_55, AgentM_43, Aglet_56, AgronaGT15_54, Airmid_46, Alatin_41, Aliter_53, Alma_53, Alpacados_41, Anaysia_58, Aneem_53, AngryOrchard_40, Anon_55, Anselm_54, Anthony_48, Anubis_58, AppleCloud_39, Aragog_43, ArcherNM_48, Archetta_44, Arissanae_52, Artemis2UCLA_55, Astro_49, AugsMagnumOpus_58, Ayanochan_54, B1_47, BABullseye_48, BabyBack_52, BabyJohn_50, BabyRay_52, Bachome_54, Bactobuster_52, Baehexic_52, Battleship_60, Beauxregard13_55, Beemo_53, Belenaria_42, Bellris_52, Benedict_48, BengiVuitton_55, BennyP_55, Benvolio_50, BiancaTri92_53, Bigflo_55, BlessJoy_55, Blinn1_57, Blue7_56, BlueBird_54, Bluefalcon_43, BobSwaget_49, BobbyDazzler_42, BogosyJay_52, Bonamassa_45, Bonanza_42, Boohoo_58, Bowtie_53, Bradman_52, Bradshaw_42, BreSam8_55, Bryce_41, Bud_52, Bugatti_53, Bugsy_55, BuzzBuzz_53, Bxz2_51, C3_51, CRB1_57, Caitlin_48,

Calvinny_55, Candra_54, Caraxes_53, Catalina_54, Caviar_51, Celestiallunch_52, Centaur_54, Chadwick_48, Changeling_52, Chargerpower_51, Charm_51, Chartreuse_53, Che12_54, ChipMunk_55, Chiqui_50, Chupacabra_49, Clammy_53, CloudWang3_55, CogOmelette_52, Colbster_55, Colin_53, Conquerage_53, Conspiracy_44, Coog_44, Cookiedough_54, CosmicSans_42, Crucio_53, Cuco_44, Cullens_55, D29_52, D32_54, DBQu4n_55, DaHudson_55, DaVinci_53, Daishi_54, Dalmatian_54, Danforth_49, Darrell_55, DarthPhader_49, DeerParkTS_52, DekHockey33_59, Deloris_54, Dieselweasel_56, Dignity_55, Dinger_41, Discoknowium_43, Dixon_49, DontArgue_49, Dorothea_54, Drake55_55, Drake94_48, DreamTeam1_51, DropBear_52, Dublin_44, DudeLittle_52, Duplo_55, DustyMartin_54, EZMoney23_51, EagleEye_55, Eaglepride_51, Ebony_52, Echild_53, Edison31_49, EdogawaKiddo_51, Eidsmoe_53, EITiger69_47, Elephantoon_52, Elle_52, EmyBug_52, EpicPhail_56, Epsocamisio_56, Equemioh13_54, EricB_54, Erik_42, Espica_42, Et2Brutus_51, EtoileNova_52, EvilGenius_55, Expelliarmus_49, ExplosioNervosa_53, Fameo_53, Farber_55, FatCactus_44, Fayely_53, Fernando_55, Fibonacci_52, FiringLine_53, First_0055, Flare16_53, Flaverint_53, Florence1_43, Florence4_45, ForGetIt_44, ForesterFrank_51, Fred313_52, Gail_57, Garak_57, GaugeLDP_51, Gemma_54, George_44, Georgie2_54, Ghoulboy_47, Gilberta_53, GingkoMaracino_55, Giroux_54, Gladiator_52, Gollum_42, Goose_50, Gratitude_53, GreedyLawyer_54, Grif_55, Groundhog_48, Groupthink_56, Grub_55, Grum1_55, Gruunaga_55, GtownJaz_55, Gwennie_54, Hammer_55, Hanray_51, Harlequin_41, HarryHoudini_54, HashRod_56, HaveUMetTed_56, Heathen_52, Heffalump_52, HelDan_52, Heliosoles_54, Helmet_57, Herbertwm_52, Hercules11_55, Hexamo_55, HippoHollow_53, Hiro_42, Horex_52, Hookmount_51, Hoot_49, HortumSL17_53, HuhtaEnerson15_45, Hutc2_52, Idleandcovert_53, Indra_58, Insomnia_53, IronMan_53, Isca_51, Isiphiwo_52, Iwokeuplikedis_56, JF2_50, JF4_50, JHC117_55, JSwag_58, Jaan_53, Jabiru_46, Jabith_53, Jeeves_57, Jeffabunny_55, JenCasNa_56, JeppNRM_56, Jerm_55, Jester_41, JewelBug_55, Jiawan_51, Jobu08_54, Jordennis_54, Joselito_53, JoshKayV_55, Journey13_47, Jovo_44, Jsquared_51, KADY_55, Kachowdy_52, Kalb97_56, Kalnoky_56, Kalpine_51, KatherineG_59, Kazan_55, Kerberos_55, Keziacharles14_53, Kimba_52, KingCyrus_55, Kinmap_50, Kipper29_54, KittenMittens_47, Klodlith_52, Koduck_54, Koko_56, Krishelle_42, Kristoff_50, L5_52, LBerry_56, LadyBird_58, Lambert1_51, Landor_53, Larenn_52, LarryKay_55, LastResort_57, Leogania_53, Lev2_44, Leviathan_55, LilTurb_54, Lilbunny_54, Lilith_56, Lilleskat_51, Lillie_42, LionsBait_55, LittleCherry_45, Lokk_50, LoneWolf_54, Looper_58, Loser_55, Louie6_54, Iowa_55, Luchador_57, Lucivia_53, Lucyedi_54, LugYA_58, MA5_52, MK4_52, MaCh_53, Mabel_52, MadMarie_55, Mainiac_55, MajorMajor_52, Malec_53, Malinsilva_57, Maminiaina_52, Manu_55, MarQuardt_55, Marchesa_52, Margo_51, Marie_55, Marius_56, MarysWell_44, McFly_54, MegTheThird_52, Methuselah_51, Micasa_46, Microwolf_55, MiculUcigas_53, Midas2_44, Miko_50, Milcery_45, MinecraftSteve_59, Minispark_52, Misomonster_56, MissWhite_52, MoneyMay_55, Montavir_54, MuchMore_58, Mulciber_52, Munch_53, MyraDee_46, Myxus_53, NaSiaTalie_53, Naca_46, Naiad_41, Naji_55, Nancinator_42, Natosaleda_41, NearlyHeadless_49, Nebulosus_57, Nedarya_54, Neeharika16_53, Newrala_54, NicoleTera_52, Noella_51, Norbert_50, NothingSpecial_51, OKCentral2016_49, Odin_51, OlanP_54, Ollie_55, Onglai_51, Oofda_59, Orange_52, P28Green_56, PGHhamlin_57, PackMan_52, PainterBoy_54, Panamaxus_49, Partridge_41, Pawn_55, PeaceMeal1_48, Pembroke_55, Penny1_56, Petersenfast_51, PetterN_49, Ph8s_54, Phaded_54, Phaeder_53, PhailMary_41, Phantastic_53, Pharaoh_48, Phillis_50, PhishRPhriends_53, Phlorence_43, Phoebe_56, Phonnegut_53, Phoxy_55, Phrankenstein_42, Phranny_56,

PickleBack_44, Pioneer_53, Piro94_53, Pistachio_54, Pmask_54, Pocahontas_51, Polyphemus_56, Pomar16_55, Poompha_49, Popcicle_51, PotatoSplit_57, Power_52, Priamo_56, Prinash11_45, Priya_53, Prudy_52, Pukovnik_52, Puppy_54, PurpleHaze_55, Qobbit_53, QueenB2_52, QueenBeesly_53, QuinnKiro_50, Quokka_51, RER2_35, RGL3_36, Rachaly_52, Rahalelujah_53, Rasputin_42, Ravana_62, ReMo_57, Reba_55, Rebeuca_50, Refuge_51, Remus_59, ResDef_51, Retro23_54, RexFury_41, Rhodalya_42, RhynO_51, Rifter_55, Roary_50, Rockstar_52, Roksolana_56, Rosalind_57, Rowdy_54, Rummer_54, RyeScarlet_54, Sabia_55, Sabinator_54, Sachima_50, Saintus_44, Salz_51, Saskia_53, SaturnRing_53, Scherzo_53, Scorpia_49, Scout_52, SemperFi_54, Serenity_53, Severus_48, Sham4_52, Shapes_54, ShayRa_59, SheaKeira_51, Shuman_42, Sknot_53, Smeadley_50, Smeagan_56, SmellyB_54, SnapTap_53, Snape_52, Snickers_55, SoYo_55, SoilDragon_55, SororFago_55, Soshari_57, Soups_59, Spike509_55, Spouty_53, StCroix_41, Stagni_55, StarStuff_55, Steamy_49, StepMiH_55, Stephig9_50, Strosahl_59, Sunhee_56, SuperAwesome_54, SuperCallie99_53, Superchunk_51, Swann_42, SweetiePie_53, SwirlSquare_58, Swirley_47, Switzerland_58, SydNat_47, TNguyen7_53, TWAMP_42, Takoda_42, TarsusIV_52, Tarynearal_43, Taurus_56, Temprado_56, Terrific_56, Texage_50, Theia_43, Tiffany_55, Tiger_43, Timothy_52, TinyPebbles_54, TinyTimmy_52, TipsytheTRex_49, Toaka_53, Todacoro_51, Tomathan_55, ToneTone_52, Topanga_48, Travvers_55, Trike_48, Tristan_52, Trixie_51, Trooper_54, Tubs_53, Tucker_55, Turbido_54, Twigg_45, Twister_48, Ugenie5_50, UhSalsa_42, UnionJack_46, Updawg_54, VC3_56, Vanisoa_53, Veracruz_50, Vix_55, VohminGhazi_54, Waits_59, WalterMcMickey_48, Warrior24_61, Watson_55, WeiHuaDA_55, Whabigail7_54, WideWale_54, Wiks_54, Wolpertinger_51, Wooldri_57, WorldCup_52, WunderPhul_55, XianYue_52, Yecey3_54, Yogi_41, Yokurt_55, Yoncess_41, Zaka_55, Zarafa_52, Zetzy_54, Zimmer_50, Zolita_46, Zulu_56,

Summary by start number:

Start 33:

- Found in 3 of 784 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 682
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EagleEye_55 (A16), Lucyedi_54 (A16), PainterBoy_54 (A16),

Start 35:

- Found in 24 of 784 (3.1%) of genes in pham
- Manual Annotations of this start: 16 of 682
- Called 91.7% of time when present
- Phage (with cluster) where this start called: 20ES_56 (A2), Acolyte_48 (A2), ArcherNM_48 (A2), Bactobuster_52 (A2), BengiVuitton_55 (A2), BobSwaget_49 (A2), CRB1_57 (A2), Changeling_52 (A2), Chargerpower_51 (A22), Deloris_54 (A2), First_0055 (A2), HippoHollow_53 (A2), IronMan_53 (A2), Jaan_53 (A2), LadyBird_58 (A2), LionsBait_55 (A2), Lokk_50 (A2), Miko_50 (A2), Phaded_54 (A2), Prudy_52 (A2), Pukovnik_52 (A2), Rachaly_52 (A2),

Start 36:

- Found in 183 of 784 (23.3%) of genes in pham
- Manual Annotations of this start: 2 of 682
- Called 1.1% of time when present

- Phage (with cluster) where this start called: Aeneas_50 (A1), Espresso_48 (A1),

Start 37:

- Found in 35 of 784 (4.5%) of genes in pham
- Manual Annotations of this start: 26 of 682
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Aneem_53 (A11), Bachome_54 (A11), Bowtie_53 (A11), Bud_52 (A11), Ebony_52 (A11), Et2Brutus_51 (A11), Fibonacci_52 (A11), Flaverint_53 (A11), Gilberta_53 (A11), Hutc2_52 (A11), Insomnia_53 (A11), Jabith_53 (A11), Joselito_53 (A11), Kimba_52 (A11), Landor_53 (A2), Lucivia_53 (A11), MaCh_53 (A11), Mabel_52 (A11), Mulciber_52 (A11), Munch_53 (A11), Orange_52 (A11), Petersenfast_51 (A11), Salz_51 (A11), Saskia_53 (A11), Sham4_52 (A11), Snape_52 (A11), Timothy_52 (A11), TinyTimmy_52 (A11), Tristan_52 (A2), Wolpertinger_51 (A11),

Start 38:

- Found in 15 of 784 (1.9%) of genes in pham
- Manual Annotations of this start: 2 of 682
- Called 20.0% of time when present
- Phage (with cluster) where this start called: EtoileNova_52 (A3), Margo_51 (A3), Texage_50 (A3),

Start 39:

- Found in 75 of 784 (9.6%) of genes in pham
- Manual Annotations of this start: 67 of 682
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 40AC_54 (A17), AbbyPaige_55 (A2), Agape74_55 (A2), AnnaL29_55 (A2), Anselm_54 (A2), BabyBack_52 (A2), Baehexic_52 (A2), Benvolio_50 (A2), BiancaTri92_53 (A2), Bugsy_55 (A2), Centaur_54 (A2), ChipMunk_55 (A2), Colin_53 (A2), Crucio_53 (A2), Dalmatian_54 (A2), DarthPhader_49 (A12), DeerParkTS_52 (A2), Dignity_55 (A2), Drake55_55 (A2), DudeLittle_52 (A2), EZMoney23_51 (A2), Echild_53 (A2), Equemioh13_54 (A2), EvilGenius_55 (A2), Fameo_53 (A2), FiringLine_53 (A2), Flare16_53 (A2), ForesterFrank_51 (A2), GaugeLDP_51 (A2), Georgie2_54 (A2), Gratitude_53 (A2), HarryHoudini_54 (A2), Heffalump_52 (A2), Iwokeuplikedis_56 (A2), Jerm_55 (A2), JoshKayV_55 (A2), Journey13_47 (A2), Kalpine_51 (A2), KingCyrus_55 (A2), Larenn_52 (A2), Leogania_53 (A2), Leviathan_55 (A2), LilTurb_54 (A2), Loser_55 (A2), Malec_53 (A2), MiculUcigas_53 (A2), MissWhite_52 (A2), NaSiaTalie_53 (A2), NicoleTera_52 (A2), NothingSpecial_51 (A2), Pharaoh_48 (A12), Piro94_53 (A2), Power_52 (A2), QueenB2_52 (A2), QueenBeesly_53 (A2), RedRock_55 (A2), Refuge_51 (A12), Retro23_54 (A2), SemperFi_54 (A2), Sknot_53 (A2), Smeagan_56 (A2), SnapTap_53 (A2), Steamy_49 (A12), SweetiePie_53 (A2), TarsusIV_52 (A2), Terrific_56 (A2), Trixie_51 (A2), Trooper_54 (A2), Turbido_54 (A2), Updawg_54 (A2), WeiHuaDA_55 (A2), Whabigail7_54 (A2), WideWale_54 (A2), XianYue_52 (A2), Zimmer_50 (A12),

Start 40:

- Found in 132 of 784 (16.8%) of genes in pham
- Manual Annotations of this start: 116 of 682
- Called 97.0% of time when present
- Phage (with cluster) where this start called: ACFishhook_54 (A3), AN9_56 (A2), ANI8_56 (A2), Adzzy_54 (A2), Aglet_56 (A3), AgronaGT15_54 (A3), Anubis_58 (A3), AugsMagnumOpus_58 (A3), Beauxregard13_55 (A3), Bigflo_55 (A3), Bradman_52

(A2), BreSam8_55 (A3), BuzzBuzz_53 (A3), Bxz2_51 (A3), C3_51 (A2), Calvinny_55 (A3), Caraxes_53 (A2), Caviar_51 (A3), Che12_54 (A2), Colbster_55 (A3), Cullens_55 (A3), D29_52 (A2), D32_54 (A2), DBQu4n_55 (A2), DaHudson_55 (A3), Daishi_54 (A3), Dieselweasel_56 (A3), Duplo_55 (A2), EpicPhail_56 (A3), Farber_55 (A3), Fernando_55 (A3), Gemma_54 (A3), GingkoMaracino_55 (A3), Grif_55 (A3), Groupthink_56 (A3), Grub_55 (A3), Grum1_55 (A3), GtownJaz_55 (A3), Gwennie_54 (A3), HashRod_56 (A3), HaveUMetTed_56 (A3), Heliosoles_54 (A3), Hercules11_55 (A3), Hookmount_51 (A3), JHC117_55 (A3), JenCasNa_56 (A3), JeppNRM_56 (A3), Jobu08_54 (A3), Jsquared_51 (A2), KADY_55 (A3), Kalb97_56 (A3), Kalnok_56 (A3), Kerberos_55 (A2), Koduck_54 (A2), L5_52 (A2), LBerry_56 (A3), Lambert1_51 (A3), LarryKay_55 (A3), Lilith_56 (A3), Louie6_54 (A3), Iowa_55 (A3), LugYA_58 (A3), MadMarie_55 (A3), Mainiac_55 (A3), MajorMajor_52 (A2), Malinsilva_57 (A3), Manu_55 (A3), MarQuardt_55 (A3), Marie_55 (A3), Marius_56 (A3), Methuselah_51 (A3), Microwolf_55 (A3), Misomonster_56 (A3), MoneyMay_55 (A3), Montavir_54 (A3), MuchMore_58 (A3), Naji_55 (A2), Noella_51 (A3), Norbert_50 (A3), Odin_51 (A2), OlanP_54 (A3), Ollie_55 (A3), P28Green_56 (A3), PGHhamlin_57 (A3), Panamaxus_49 (A3), Pawn_55 (A3), Pembroke_55 (A3), Penny1_56 (A3), PhishRPhriends_53 (A3), Phoebe_56 (A3), Phoxy_55 (A3), Phranny_56 (A3), Pocahontas_51 (A3), Pomar16_55 (A2), Popcicle_51 (A3), PotatoSplit_57 (A3), PurpleHaze_55 (A3), QuinnKiro_50 (A3), Quokka_51 (A2), Reba_55 (A3), ResDef_51 (A3), Rummer_54 (A3), Sabia_55 (A3), Sabinator_54 (A3), Serenity_53 (A2), Snickers_55 (A3), SoYo_55 (A3), SoilDragon_55 (A3), Soshari_57 (A3), Spike509_55 (A3), Stagni_55 (A3), StarStuff_55 (A2), StepMih_55 (A3), Superchunk_51 (A2), SwirlSquare_58 (A2), Taurus_56 (A3), Tiffany_55 (A3), TinyPebbles_54 (A3), TipsytheTRex_49 (A2), Todacoro_51 (A3), Tomathan_55 (A2), Travvers_55 (A2), VC3_56 (A2), Veracruz_50 (A3), Vix_55 (A3), Watson_55 (A3), Wooldri_57 (A3), Zetzy_54 (A3),

Start 41:

- Found in 83 of 784 (10.6%) of genes in pham
- Manual Annotations of this start: 57 of 682
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aliter_53 (A9), Alma_53 (A9), Arissanae_52 (A9), Ayanochan_54 (A9), B1_47 (A3), BabyJohn_50 (A3), BabyRay_52 (A3), Beemo_53 (A9), Bellris_52 (A9), BlueBird_54 (A3), BogosyJay_52 (A9), Bugatti_53 (A3), Catalina_54 (A9), Celestiallunch_52 (A9), Charm_51 (A9), Chiqui_50 (A3), Clammy_53 (A3), CogOmlette_52 (A9), Conquerage_53 (A9), Darrell_55 (A9), DreamTeam1_51 (A9), DropBear_52 (A3), EdogawaKiddo_51 (A9), Eidsmoe_53 (A9), Elephantoon_52 (A9), EmyBug_52 (A9), ExplosioNervosa_53 (A9), Fayely_53 (A9), Fred313_52 (A3), Gail_57 (A14), Giroux_54 (A3), Hanray_51 (A9), Heathen_52 (A3), HelDan_52 (A3), Hollex_52 (A9), HortumSL17_53 (A9), Idleandcovert_53 (A3), Isca_51 (A3), JF2_50 (A3), JF4_50 (A3), Jeeves_57 (A14), Jiawan_51 (A9), Kachowdy_52 (A3), Keziacharles14_53 (A9), Klodlith_52 (A9), Lilleskat_51 (A9), LoneWolf_54 (A9), Luchador_57 (A14), MA5_52 (A3), MK4_52 (A3), Maminiaina_52 (A9), Marchesa_52 (A3), MegTheThird_52 (A9), Minispark_52 (A9), Myxus_53 (A9), Onglai_51 (A9), PackMan_52 (A9), Phaeder_53 (A9), Phantastic_53 (A3), Phonnegut_53 (A9), Pioneer_53 (A9), Pistachio_54 (A3), Priya_53 (A9), Puppy_54 (A3), Qobbit_53 (A9), Rahalelujah_53 (A9), Rockstar_52 (A3), RyeScarlet_54 (A9), Sachima_50 (A9), SaturnRing_53 (A3), Scherzo_53 (A9), Scout_52 (A3), SheaKeira_51 (A9), SororFago_55 (A14), Spouty_53 (A9), Sunhee_56 (A14), TNguyen7_53 (A3), Tubs_53 (A9), Ugenie5_50 (A9), Vanisoa_53 (A9), WorldCup_52 (A9), Yecey3_54 (A9), Zarafa_52 (A3),

Start 42:

- Found in 1 of 784 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 682
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anthony_48 (A20),

Start 43:

- Found in 1 of 784 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FatCactus_44 (A20),

Start 44:

- Found in 64 of 784 (8.2%) of genes in pham
- Manual Annotations of this start: 60 of 682
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alatin_41 (CA), Alpacados_41 (CA), Anaysia_58 (A15), AngryOrchard_40 (CA), Anon_55 (A15), AppleCloud_39 (CA), Battleship_60 (A15), Belenaria_42 (CA), BobbyDazzler_42 (CA), Bonanza_42 (CA), Boohoo_58 (A15), Bradshaw_42 (CA), Bryce_41 (CA), CosmicSans_42 (CA), DekHockey33_59 (A15), Dinger_41 (CA), Elle_52 (A15), Epsocamisio_56 (A15), Erik_42 (CA), Espica_42 (CA), Gollum_42 (CA), Harlequin_41 (CA), Hiro_42 (CA), JSwag_58 (A15), Jester_41 (CA), KatherineG_59 (A15), Krishelle_42 (CA), LastResort_57 (A15), Lillie_42 (CA), Looper_58 (A15), MinecraftSteve_59 (A15), Naiad_41 (CA), Nancinator_42 (CA), Natosaleda_41 (CA), Nebulosus_57 (A15), Nedarya_54 (A15), Oofda_59 (A15), Partridge_41 (CA), PhailMary_41 (CA), Phrankenstien_42 (CA), RER2_35 (CA), RGL3_36 (CA), Rasputin_42 (CA), Ravana_62 (A15), ReMo_57 (A15), Remus_59 (A15), RexFury_41 (CA), Rhodalysa_42 (CA), Rosalind_57 (A15), ShayRa_59 (A15), Shuman_42 (CA), Soups_59 (A15), StCroix_41 (CA), Strosahl_59 (A15), Swann_42 (CA), Switzerland_58 (A15), TWAMP_42 (CA), Takoda_42 (CA), Toaka_53 (A9), UhSalsa_42 (CA), Waits_59 (A15), Warrior24_61 (A15), Yogi_41 (CA), Yoncess_41 (CA),

Start 45:

- Found in 127 of 784 (16.2%) of genes in pham
- Manual Annotations of this start: 115 of 682
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AgentM_43 (A5), Airmid_46 (A5), Aragog_43 (A5), Archetta_44 (A5), Artemis2UCLA_55 (A6), Astro_49 (A8), BABullseye_48 (A6), Benedict_48 (A5), BennyP_55 (A6), BlessJoy_55 (A6), Blinn1_57 (A6), Blue7_56 (A6), Bluefalcon_43 (A5), Bonamassa_45 (A5), Caitlin_48 (A8), Candra_54 (A6), Chadwick_48 (A5), Chartreuse_53 (A6), Chupacabra_49 (A10), CloudWang3_55 (A6), Conspiracy_44 (A5), Coog_44 (A5), Cookiedough_54 (A6), Cuco_44 (A5), DaVinci_53 (A6), Danforth_49 (A8), Discoknowium_43 (A5), Dixon_49 (A8), DontArgue_49 (A10), Dorothea_54 (A6), Drake94_48 (A10), Dublin_44 (A5), DustyMartin_54 (A10), Eaglepride_51 (A10), Edison31_49 (A10), ElTiger69_47 (A5), EricB_54 (A6), Expelliarmus_49 (A8), Florence1_43 (A5), Florence4_45 (A5), ForGetIt_44 (A5), Garak_57 (A6), George_44 (A5), Ghoulyboy_47 (A5), Gladiator_52 (A6), Goose_50 (A10), GreedyLawyer_54 (A6), Groundhog_48 (A8), Gruunaga_55 (A6), Hammer_55 (A6), Helmet_57 (A6), Herbertwm_52 (A2), Hexamo_55 (A6), Hoot_49 (A6), HuhtaEnerson15_45 (A5), Indra_58 (A6), Isiphiwo_52 (A6), Jabiru_46 (A5), Jeffabunny_55 (A6), JewelBug_55 (A6),

Jordennis_54 (A6), Jovo_44 (A5), Kazan_55 (A6), Kipper29_54 (A6), KittenMittens_47 (A10), Koko_56 (A6), Kristoff_50 (A10), Lev2_44 (A5), Lilbunny_54 (A6), LittleCherry_45 (A5), MarysWell_44 (A5), McFly_54 (A6), Micasa_46 (A5), Midas2_44 (A5), Milcery_45 (A5), MyraDee_46 (A18), Naca_46 (A5), NearlyHeadless_49 (A8), Neeharika16_53 (A6), Newrala_54 (A6), OKCentral2016_49 (A10), PeaceMeal1_48 (A10), PetterN_49 (A5), Phillis_50 (A8), Phlorence_43 (A5), PickleBack_44 (A5), Pmask_54 (A6), Polyphemus_56 (A6), Poompha_49 (A10), Priamo_56 (A6), Prinashel_45 (A5), Rebeuca_50 (A10), RhynO_51 (A10), Rifter_55 (A6), Roary_50 (A8), Roksolana_56 (A6), Rowdy_54 (A10), Saintus_44 (A8), Scorpia_49 (A5), Severus_48 (A10), Shapes_54 (A10), Smeadley_50 (A8), SmellyB_54 (A6), Stephig9_50 (A8), SuperAwesome_54 (A6), SuperCallie99_53 (A6), Swirley_47 (A5), SydNat_47 (A5), Tarynearal_43 (A5), Temprado_56 (A6), Theia_43 (A5), Tiger_43 (A5), ToneTone_52 (A6), Topanga_48 (A10), Trike_48 (A10), Tucker_55 (A6), Twigg_45 (A5), Twister_48 (A10), UnionJack_46 (A5), VohminGhazi_54 (A6), WalterMcMickey_48 (A10), Wiks_54 (A6), WunderPhul_55 (A6), Yokurt_55 (A6), Zaka_55 (A6), Zolita_46 (A5), Zulu_56 (A6),

Start 46:

- Found in 1 of 784 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kinmap_50 (A21),

Start 47:

- Found in 247 of 784 (31.5%) of genes in pham
- Manual Annotations of this start: 216 of 682
- Called 98.4% of time when present
- Phage (with cluster) where this start called: A6_44 (A1), AFIS_46 (A1), Abbyshoes_51 (A1), Abrogate_470 (A1), Acme_50 (A1), Adahisdi_48 (A1), Agaliana_44 (A1), Ajay_50 (A1), Aldrich_48 (A1), Alsfro_52 (A1), Altman_51 (A1), Alvin_48 (A1), Anglerfish_50 (A1), Applejack_43 (A1), Arcanine_49 (A1), Arlo_46 (A1), Ashballer_50 (A1), Atkinbua_51 (A1), BK1_44 (A1), BPBiebs31_49 (A1), BaconJack_51 (A1), Barriga_49 (A1), BarrowTuph_49 (A1), Beatrix_48 (A1), BeesKnees_50 (A1), Bethlehem_49 (A1), Bexan_47 (A1), Big3_48 (A1), BigMau_49 (A1), BigPaolini_48 (A1), Bigchungi_48 (A1), Bigfoot_44 (A1), BillKnuckles_49 (A1), Bircsak_47 (A1), Blackflame_47 (A1), Blessier_47 (A1), BluSpix_47 (A1), Blue_48 (A1), Bob3_46 (A1), Bones_49 (A1), Briton15_51 (A1), Bruns_47 (A1), Burton_48 (A1), Buttons_47 (A1), Bxb1_44 (A1), CactusRose_46 (A1), Carlyle_47 (A1), CartmannCramer_47 (A1), CatBus_48 (A1), Chanagan_45 (A1), ChristmasHams_44 (A1), Ciao_48 (A1), ConceptII_50 (A1), Corvo_49 (A1), Crispicous1_46 (A1), Cueyliss_50 (A1), DD5_47 (A1), Dexes_49 (A1), Doom_48 (A1), DrFeelGood_46 (A1), DreamCatcher_52 (A1), Dreamboat_50 (A1), Dulcie_49 (A1), Dussy_50 (A1), Dynamix_50 (A1), Edtherson_48 (A1), EnzoK_47 (A1), Euphoria_46 (A1), Eyeball_50 (A1), Fajezeel_50 (A1), Fascinus_44 (A1), Fenn_51 (A1), Forsytheast_48 (A1), Francis47_47 (A1), Froghopper_46 (A1), Fushigi_47 (A1), GMonster_45 (A1), Gachnar_48 (A1), GageAP_49 (A1), Gandalf20_51 (A1), Gompeii16_47 (A1), Graduation_52 (A1), GrecoEtereo_49 (A1), Greg_50 (A1), GroundGoblin_49 (A1), Gwendoluna_52 (A1), Gyzlar_44 (A1), Hami1_42 (A1), HanShotFirst_48 (A1), HarryOW_47 (A1), Hermia_49 (A1), HermioneGrange_48 (A1), Homines_41 (A1), Hope4ever_51 (A1), ILeeKay_52 (A1), Ichabod_51 (A1), IgnatiusPatJac_49 (A1), Inyanga_45 (A1), Iqorha_45 (A1), JC27_50 (A1), JackSparrow_49 (A1), Jasper_50 (A1), Jerm2_49 (A1), Jorgensen_50 (A1), JuliaChild_49 (A1), KBG_50 (A1), KSSJEB_48 (A1), Kanely_50 (A1), Kenmech_52 (A1), KikiBouba_49 (A1),

Killigrew_48 (A1), Kugel_49 (A1), KyMonks1A_50 (A1), Kykar_48 (A1), Lamina13_49 (A1), Lesedi_45 (A1), Levia_46 (A1), Licorice_51 (A1), LilBib_48 (A1), Lockley_47 (A1), Lopton_49 (A1), LunarLander_50 (A1), MPlant7149_47 (A1), Magnar_48 (A1), Magnito_47 (A1), Makemake_48 (A1), Manatee_50 (A1), Marcell_46 (A1), Marchy_43 (A1), Marco3_51 (A1), Marge_48 (A1), Maroc7_46 (A1), Marsha_48 (A1), MaryBeth_48 (A1), McGuire_50 (A1), McSinger_49 (A1), MetalQZJ_47 (A1), Michley_48 (A1), MilleFeuille_45 (A1), Mkhusele_47 (A1), Molly_49 (A1), Monet_51 (A1), Moose_48 (A1), MrGordo_48 (A1), Mryolo_46 (A1), Mule_45 (A1), Museum_49 (A1), NEHalo_46 (A1), Naira_51 (A1), Nerujay_51 (A1), Nhonho_49 (A1), Niza_51 (A1), Norz_49 (A1), Noxious_48 (A1), Ohno789_50 (A1), Oogway_47 (A1), PSullivan_48 (A1), PacerPaul_48 (A1), Papez_51 (A1), Paphu_46 (A1), Paraselene_46 (A1), Pari_50 (A1), Parliament_48 (A1), PascalRango_49 (A1), PattyP_49 (A1), Payneful_48 (A1), Pelly_48 (A1), Pepe_45 (A1), Perseus_48 (A1), Peterson_53 (A1), Petp2012_49 (A1), Petruchio_48 (A1), PherrisBuellier_48 (A1), PhineBark_48 (A1), Phlei_42 (A13), Philipppers_47 (A1), PhrostyMug_47 (A1), PinkPlastic_48 (A1), Pinto_48 (A1), Pippin_50 (A1), Pita2_51 (A1), PowerRanger_49 (A1), ProMouse_49 (A1), Puppet_50 (A1), QTRlifeCrisis_48 (A1), Raid_49 (A1), Rajelicia_49 (A1), Rhynn_47 (A1), RidgeCB_48 (A1), Ringer_49 (A1), Rohr_49 (A1), Rubeus_48 (A1), Rufus_49 (A1), Ruotula_51 (A1), Rutherford_50 (A1), STLscum_51 (A1), Sagefire_51 (A1), Sandaddy_47 (A1), Sanya_46 (A1), SarFire_46 (A1), Scowl_49 (A1), Seabiscuit_51 (A1), Seanderson_50 (A1), ShortQueendom_42 (A1), Sibs6_49 (A1), SkiPole_53 (A1), Slagathor_50 (A1), Smairt_50 (A1), Smeagol_50 (A1), Snazzy_47 (A1), Solon_47 (A1), Sorpresa_47 (A1), SpikeBT_48 (A1), Squee_49 (A1), StewieG_47 (A1), StrongArm_48 (A1), Sumter_45 (A1), Sunshine924_49 (A1), SwissCheese_50 (A1), Switzer_50 (A1), Swole_49 (A1), Target_49 (A1), Tasp14_50 (A1), Teodoridan_47 (A1), TheloniousMonk_49 (A1), Thor_46 (A1), Topgun_48 (A1), Tote_44 (A1), Traft412_51 (A1), Treddle_49 (A1), Tripl3t_48 (A1), Trouble_51 (A1), Turj99_47 (A1), TwoPeat_49 (A1), U2_48 (A1), Violet_46 (A1), Watermelon_49 (A1), Wheeler_49 (A1), Whitspit_46 (A1), Wilkins_48 (A1), Zeecculate_46 (A1), Zephyr_48 (A1), Zeuska_47 (A1),

Start 52:

- Found in 640 of 784 (81.6%) of genes in pham
- Manual Annotations of this start: 1 of 682
- Called 0.2% of time when present
- Phage (with cluster) where this start called: Ph8s_54 (A2),

Summary by clusters:

There are 20 clusters represented in this pham: A15, A14, A17, A16, A11, A10, A13, A12, CA, A18, A22, A1, A20, A3, A2, A5, A6, A9, A8, A21,

Info for manual annotations of cluster A1:

- Start number 36 was manually annotated 2 times for cluster A1.
- Start number 47 was manually annotated 216 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 45 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 37 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 39 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 41 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 44 was manually annotated 23 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 33 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 45 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A2:

- Start number 35 was manually annotated 15 times for cluster A2.
- Start number 37 was manually annotated 2 times for cluster A2.
- Start number 39 was manually annotated 62 times for cluster A2.
- Start number 40 was manually annotated 21 times for cluster A2.
- Start number 45 was manually annotated 1 time for cluster A2.
- Start number 52 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A20:

- Start number 42 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 35 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 38 was manually annotated 2 times for cluster A3.
- Start number 40 was manually annotated 95 times for cluster A3.
- Start number 41 was manually annotated 19 times for cluster A3.

Info for manual annotations of cluster A5:

- Start number 45 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 45 was manually annotated 47 times for cluster A6.

Info for manual annotations of cluster A8:

- Start number 45 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 41 was manually annotated 34 times for cluster A9.
- Start number 44 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster CA:

- Start number 44 was manually annotated 36 times for cluster CA.

Gene Information:

Gene: 20ES_56 Start: 36646, Stop: 36464, Start Num: 35

Candidate Starts for 20ES_56:

(15, 36766), (Start: 35 @36646 has 16 MA's), (50, 36634), (51, 36625), (Start: 52 @36613 has 1 MA's), (58, 36553), (59, 36550), (63, 36511),

Gene: 40AC_54 Start: 37369, Stop: 37196, Start Num: 39

Candidate Starts for 40AC_54:

(Start: 36 @37375 has 2 MA's), (Start: 39 @37369 has 67 MA's), (Start: 52 @37336 has 1 MA's), (58, 37276), (59, 37273),

Gene: A6_44 Start: 34519, Stop: 34337, Start Num: 47

Candidate Starts for A6_44:

(10, 34708), (20, 34609), (21, 34600), (Start: 47 @34519 has 216 MA's), (Start: 52 @34489 has 1 MA's), (53, 34474), (54, 34459), (62, 34390), (63, 34384),

Gene: ACFishhook_54 Start: 36071, Stop: 35865, Start Num: 40

Candidate Starts for ACFishhook_54:

(Start: 40 @36071 has 116 MA's), (Start: 52 @36032 has 1 MA's), (53, 36017), (58, 35969), (59, 35966), (62, 35933),

Gene: AFIS_46 Start: 35317, Stop: 35132, Start Num: 47

Candidate Starts for AFIS_46:

(10, 35506), (20, 35407), (21, 35398), (Start: 47 @35317 has 216 MA's), (Start: 52 @35287 has 1 MA's), (53, 35272), (54, 35257), (62, 35188),

Gene: AN9_56 Start: 36359, Stop: 36174, Start Num: 40

Candidate Starts for AN9_56:

(Start: 40 @36359 has 116 MA's), (Start: 52 @36326 has 1 MA's), (53, 36311), (54, 36296), (58, 36263), (64, 36212),

Gene: ANI8_56 Start: 36359, Stop: 36174, Start Num: 40

Candidate Starts for ANI8_56:

(Start: 40 @36359 has 116 MA's), (Start: 52 @36326 has 1 MA's), (53, 36311), (54, 36296), (58, 36263), (64, 36212),

Gene: AbbyPaige_55 Start: 36577, Stop: 36395, Start Num: 39

Candidate Starts for AbbyPaige_55:

(Start: 36 @36583 has 2 MA's), (Start: 39 @36577 has 67 MA's), (50, 36565), (Start: 52 @36544 has 1 MA's), (53, 36529), (54, 36514), (58, 36484),

Gene: Abbyshoes_51 Start: 35959, Stop: 35777, Start Num: 47

Candidate Starts for Abbyshoes_51:

(10, 36148), (20, 36049), (21, 36040), (Start: 36 @35983 has 2 MA's), (Start: 47 @35959 has 216 MA's), (Start: 52 @35929 has 1 MA's), (53, 35914), (54, 35899), (62, 35830), (63, 35824),

Gene: Abrogate_470 Start: 35974, Stop: 35792, Start Num: 47

Candidate Starts for Abrogate_470:

(10, 36163), (20, 36064), (21, 36055), (Start: 36 @35998 has 2 MA's), (Start: 47 @35974 has 216 MA's), (Start: 52 @35944 has 1 MA's), (53, 35929), (54, 35914), (62, 35845), (63, 35839),

Gene: Acme_50 Start: 35836, Stop: 35654, Start Num: 47

Candidate Starts for Acme_50:

(10, 36025), (20, 35926), (21, 35917), (Start: 36 @35860 has 2 MA's), (Start: 47 @35836 has 216 MA's), (Start: 52 @35806 has 1 MA's), (53, 35791), (54, 35776), (62, 35707), (63, 35701),

Gene: Acolyte_48 Start: 35366, Stop: 35154, Start Num: 35

Candidate Starts for Acolyte_48:

(Start: 35 @35366 has 16 MA's), (Start: 52 @35333 has 1 MA's), (53, 35318), (54, 35303), (58, 35270), (76, 35159),

Gene: Adahisdi_48 Start: 35710, Stop: 35549, Start Num: 47

Candidate Starts for Adahisdi_48:

(10, 35899), (20, 35800), (21, 35791), (Start: 36 @35734 has 2 MA's), (Start: 47 @35710 has 216 MA's), (Start: 52 @35680 has 1 MA's), (53, 35665), (54, 35650), (62, 35581),

Gene: Adzzy_54 Start: 34885, Stop: 34676, Start Num: 40

Candidate Starts for Adzzy_54:

(30, 34909), (Start: 40 @34885 has 116 MA's), (Start: 52 @34852 has 1 MA's), (53, 34837), (58, 34789), (72, 34693),

Gene: Aeneas_50 Start: 35951, Stop: 35745, Start Num: 36

Candidate Starts for Aeneas_50:

(10, 36116), (20, 36017), (21, 36008), (Start: 36 @35951 has 2 MA's), (Start: 47 @35927 has 216 MA's), (Start: 52 @35897 has 1 MA's), (53, 35882), (54, 35867), (62, 35798), (63, 35792),

Gene: Agaliana_44 Start: 32574, Stop: 32392, Start Num: 47

Candidate Starts for Agaliana_44:

(10, 32763), (20, 32664), (21, 32655), (Start: 47 @32574 has 216 MA's), (Start: 52 @32544 has 1 MA's), (53, 32529), (54, 32514), (62, 32445), (63, 32439),

Gene: Agape74_55 Start: 36571, Stop: 36389, Start Num: 39

Candidate Starts for Agape74_55:

(Start: 36 @36577 has 2 MA's), (Start: 39 @36571 has 67 MA's), (50, 36559), (Start: 52 @36538 has 1 MA's), (53, 36523), (54, 36508), (58, 36478),

Gene: AgentM_43 Start: 34327, Stop: 34157, Start Num: 45

Candidate Starts for AgentM_43:

(Start: 45 @34327 has 115 MA's), (Start: 52 @34294 has 1 MA's), (53, 34279), (55, 34261), (58, 34231), (59, 34228), (62, 34195),

Gene: Aglet_56 Start: 36110, Stop: 35904, Start Num: 40

Candidate Starts for Aglet_56:

(21, 36170), (Start: 40 @36110 has 116 MA's), (Start: 52 @36071 has 1 MA's), (53, 36056), (58, 36008),

Gene: AgronaGT15_54 Start: 35958, Stop: 35752, Start Num: 40

Candidate Starts for AgronaGT15_54:

(Start: 40 @35958 has 116 MA's), (Start: 52 @35919 has 1 MA's), (53, 35904), (58, 35856), (59, 35853), (62, 35820),

Gene: Airmid_46 Start: 34489, Stop: 34319, Start Num: 45

Candidate Starts for Airmid_46:

(Start: 45 @34489 has 115 MA's), (Start: 52 @34456 has 1 MA's), (53, 34441), (55, 34423), (58, 34393), (59, 34390), (62, 34357), (66, 34324),

Gene: Ajay_50 Start: 36028, Stop: 35867, Start Num: 47

Candidate Starts for Ajay_50:

(10, 36217), (20, 36118), (21, 36109), (Start: 36 @36052 has 2 MA's), (Start: 47 @36028 has 216 MA's), (Start: 52 @35998 has 1 MA's), (53, 35983), (54, 35968), (62, 35899),

Gene: Alatin_41 Start: 32306, Stop: 32151, Start Num: 44

Candidate Starts for Alatin_41:

(Start: 44 @32306 has 60 MA's), (53, 32258), (56, 32231), (62, 32174),

Gene: Aldrich_48 Start: 36327, Stop: 36145, Start Num: 47

Candidate Starts for Aldrich_48:

(10, 36516), (20, 36417), (21, 36408), (Start: 36 @36351 has 2 MA's), (Start: 47 @36327 has 216 MA's), (Start: 52 @36297 has 1 MA's), (53, 36282), (54, 36267), (62, 36198), (63, 36192),

Gene: Aliter_53 Start: 36036, Stop: 35773, Start Num: 41

Candidate Starts for Aliter_53:

(Start: 41 @36036 has 57 MA's), (Start: 52 @35997 has 1 MA's), (53, 35982), (58, 35934), (62, 35898), (74, 35829), (79, 35811),

Gene: Alma_53 Start: 36216, Stop: 35953, Start Num: 41

Candidate Starts for Alma_53:

(Start: 41 @36216 has 57 MA's), (Start: 52 @36177 has 1 MA's), (53, 36162), (58, 36114), (62, 36078), (79, 35991),

Gene: Alpacados_41 Start: 32211, Stop: 32056, Start Num: 44

Candidate Starts for Alpacados_41:

(Start: 44 @32211 has 60 MA's), (53, 32163), (56, 32136), (62, 32079),

Gene: Alsfro_52 Start: 36034, Stop: 35852, Start Num: 47

Candidate Starts for Alsfro_52:

(10, 36223), (20, 36124), (21, 36115), (Start: 47 @36034 has 216 MA's), (Start: 52 @36004 has 1 MA's), (53, 35989), (54, 35974), (62, 35905), (63, 35899),

Gene: Altman_51 Start: 36632, Stop: 36450, Start Num: 47

Candidate Starts for Altman_51:

(10, 36821), (20, 36722), (21, 36713), (Start: 36 @36656 has 2 MA's), (Start: 47 @36632 has 216 MA's), (Start: 52 @36602 has 1 MA's), (53, 36587), (54, 36572), (62, 36503),

Gene: Alvin_48 Start: 36286, Stop: 36104, Start Num: 47

Candidate Starts for Alvin_48:

(10, 36475), (20, 36376), (21, 36367), (Start: 36 @36310 has 2 MA's), (Start: 47 @36286 has 216 MA's), (Start: 52 @36256 has 1 MA's), (53, 36241), (54, 36226), (62, 36157), (63, 36151),

Gene: Anaysia_58 Start: 35351, Stop: 35169, Start Num: 44

Candidate Starts for Anaysia_58:

(Start: 44 @35351 has 60 MA's), (Start: 52 @35318 has 1 MA's), (58, 35255), (59, 35252), (62, 35219), (64, 35204),

Gene: Aneem_53 Start: 35524, Stop: 35300, Start Num: 37

Candidate Starts for Aneem_53:

(Start: 37 @35524 has 26 MA's), (50, 35506), (58, 35425), (59, 35422), (62, 35389), (72, 35329), (74, 35320),

Gene: Anglerfish_50 Start: 36182, Stop: 36000, Start Num: 47

Candidate Starts for Anglerfish_50:

(10, 36371), (20, 36272), (21, 36263), (Start: 47 @36182 has 216 MA's), (Start: 52 @36152 has 1 MA's), (53, 36137), (54, 36122), (62, 36053),

Gene: AngryOrchard_40 Start: 32104, Stop: 31949, Start Num: 44

Candidate Starts for AngryOrchard_40:

(Start: 44 @32104 has 60 MA's), (53, 32056), (56, 32029), (62, 31972),

Gene: AnnaL29_55 Start: 37135, Stop: 36944, Start Num: 39

Candidate Starts for AnnaL29_55:

(Start: 39 @37135 has 67 MA's), (Start: 47 @37126 has 216 MA's), (50, 37117), (Start: 52 @37096 has 1 MA's), (53, 37081), (58, 37033), (62, 36997), (63, 36991),

Gene: Anon_55 Start: 34751, Stop: 34566, Start Num: 44

Candidate Starts for Anon_55:

(Start: 44 @34751 has 60 MA's), (49, 34742), (Start: 52 @34718 has 1 MA's), (58, 34655), (59, 34652), (62, 34619), (70, 34574),

Gene: Anselm_54 Start: 36496, Stop: 36317, Start Num: 39

Candidate Starts for Anselm_54:

(Start: 36 @36502 has 2 MA's), (Start: 39 @36496 has 67 MA's), (50, 36484), (Start: 52 @36463 has 1 MA's), (53, 36448), (54, 36433), (58, 36403), (62, 36367),

Gene: Anthony_48 Start: 33785, Stop: 33615, Start Num: 42

Candidate Starts for Anthony_48:

(Start: 42 @33785 has 1 MA's), (Start: 52 @33752 has 1 MA's), (53, 33737), (58, 33689), (60, 33683), (62, 33653), (65, 33632),

Gene: Anubis_58 Start: 35996, Stop: 35790, Start Num: 40

Candidate Starts for Anubis_58:

(Start: 40 @35996 has 116 MA's), (Start: 52 @35957 has 1 MA's), (53, 35942), (58, 35894),

Gene: AppleCloud_39 Start: 32036, Stop: 31881, Start Num: 44

Candidate Starts for AppleCloud_39:

(Start: 44 @32036 has 60 MA's), (53, 31988), (56, 31961), (62, 31904),

Gene: Applejack_43 Start: 32196, Stop: 32014, Start Num: 47

Candidate Starts for Applejack_43:

(10, 32385), (20, 32286), (21, 32277), (Start: 36 @32220 has 2 MA's), (Start: 47 @32196 has 216 MA's), (Start: 52 @32166 has 1 MA's), (53, 32151), (54, 32136), (62, 32067), (63, 32061),

Gene: Aragog_43 Start: 34347, Stop: 34177, Start Num: 45

Candidate Starts for Aragog_43:

(Start: 45 @34347 has 115 MA's), (Start: 52 @34314 has 1 MA's), (53, 34299), (55, 34281), (58, 34251), (59, 34248), (62, 34215),

Gene: Arcanine_49 Start: 35506, Stop: 35324, Start Num: 47

Candidate Starts for Arcanine_49:

(10, 35695), (20, 35596), (21, 35587), (Start: 36 @35530 has 2 MA's), (Start: 47 @35506 has 216 MA's), (Start: 52 @35476 has 1 MA's), (53, 35461), (54, 35446), (62, 35377), (63, 35371),

Gene: ArcherNM_48 Start: 36088, Stop: 35906, Start Num: 35

Candidate Starts for ArcherNM_48:

(17, 36184), (Start: 35 @36088 has 16 MA's), (50, 36070), (Start: 52 @36049 has 1 MA's), (53, 36034), (54, 36019), (58, 35989), (59, 35986), (62, 35953),

Gene: Archetta_44 Start: 34937, Stop: 34767, Start Num: 45

Candidate Starts for Archetta_44:

(Start: 45 @34937 has 115 MA's), (Start: 52 @34904 has 1 MA's), (53, 34889), (55, 34871), (58, 34841), (59, 34838), (62, 34805),

Gene: Arissanae_52 Start: 36731, Stop: 36477, Start Num: 41

Candidate Starts for Arissanae_52:

(Start: 41 @36731 has 57 MA's), (49, 36722), (58, 36638), (62, 36602), (68, 36563), (79, 36515),

Gene: Arlo_46 Start: 35163, Stop: 34981, Start Num: 47

Candidate Starts for Arlo_46:

(10, 35352), (20, 35253), (21, 35244), (Start: 36 @35187 has 2 MA's), (Start: 47 @35163 has 216 MA's), (Start: 52 @35133 has 1 MA's), (53, 35118), (54, 35103), (62, 35034), (63, 35028),

Gene: Artemis2UCLA_55 Start: 35089, Stop: 34907, Start Num: 45

Candidate Starts for Artemis2UCLA_55:

(Start: 45 @35089 has 115 MA's), (53, 35041), (56, 35014), (58, 34993), (62, 34957),

Gene: Ashballer_50 Start: 36659, Stop: 36477, Start Num: 47

Candidate Starts for Ashballer_50:

(10, 36848), (20, 36749), (21, 36740), (Start: 47 @36659 has 216 MA's), (Start: 52 @36629 has 1 MA's), (53, 36614), (54, 36599), (62, 36530), (63, 36524),

Gene: Astro_49 Start: 34301, Stop: 34140, Start Num: 45

Candidate Starts for Astro_49:

(Start: 45 @34301 has 115 MA's), (Start: 52 @34268 has 1 MA's), (55, 34235), (58, 34205), (62, 34169),

Gene: Atkinbua_51 Start: 36286, Stop: 36080, Start Num: 47

Candidate Starts for Atkinbua_51:

(10, 36475), (20, 36376), (21, 36367), (Start: 47 @36286 has 216 MA's), (Start: 52 @36256 has 1 MA's), (53, 36241), (54, 36226), (62, 36157), (63, 36151),

Gene: AugsMagnumOpus_58 Start: 36101, Stop: 35895, Start Num: 40

Candidate Starts for AugsMagnumOpus_58:

(21, 36161), (Start: 40 @36101 has 116 MA's), (Start: 52 @36062 has 1 MA's), (53, 36047), (58, 35999),

Gene: Ayanochan_54 Start: 36194, Stop: 35931, Start Num: 41

Candidate Starts for Ayanochan_54:

(Start: 41 @36194 has 57 MA's), (Start: 52 @36155 has 1 MA's), (53, 36140), (58, 36092), (62, 36056), (74, 35987), (79, 35969),

Gene: B1_47 Start: 34107, Stop: 33910, Start Num: 41

Candidate Starts for B1_47:

(Start: 41 @34107 has 57 MA's), (Start: 52 @34068 has 1 MA's), (57, 34014), (62, 33969), (69, 33927),

Gene: BABullseye_48 Start: 32671, Stop: 32489, Start Num: 45

Candidate Starts for BABullseye_48:

(Start: 45 @32671 has 115 MA's), (53, 32623), (55, 32605), (58, 32575), (62, 32539),

Gene: BK1_44 Start: 34519, Stop: 34337, Start Num: 47

Candidate Starts for BK1_44:

(10, 34708), (20, 34609), (21, 34600), (Start: 47 @34519 has 216 MA's), (Start: 52 @34489 has 1 MA's), (53, 34474), (54, 34459), (62, 34390), (63, 34384),

Gene: BPBiebs31_49 Start: 35878, Stop: 35696, Start Num: 47

Candidate Starts for BPBiebs31_49:

(10, 36067), (20, 35968), (21, 35959), (Start: 47 @35878 has 216 MA's), (Start: 52 @35848 has 1 MA's), (53, 35833), (54, 35818), (62, 35749), (63, 35743),

Gene: BabyBack_52 Start: 36801, Stop: 36625, Start Num: 39

Candidate Starts for BabyBack_52:

(Start: 39 @36801 has 67 MA's), (50, 36792), (Start: 52 @36771 has 1 MA's), (53, 36756), (54, 36741), (58, 36711), (59, 36708), (62, 36675),

Gene: BabyJohn_50 Start: 35931, Stop: 35734, Start Num: 41

Candidate Starts for BabyJohn_50:

(Start: 41 @35931 has 57 MA's), (Start: 52 @35892 has 1 MA's), (59, 35826), (62, 35793), (69, 35751),

Gene: BabyRay_52 Start: 35904, Stop: 35707, Start Num: 41

Candidate Starts for BabyRay_52:

(Start: 41 @35904 has 57 MA's), (Start: 52 @35865 has 1 MA's), (58, 35802), (62, 35766), (69, 35724),

Gene: Bachome_54 Start: 35504, Stop: 35280, Start Num: 37

Candidate Starts for Bachome_54:

(Start: 37 @35504 has 26 MA's), (50, 35486), (58, 35405), (59, 35402), (62, 35369), (72, 35309), (74, 35300),

Gene: BaconJack_51 Start: 36586, Stop: 36401, Start Num: 47

Candidate Starts for BaconJack_51:

(10, 36775), (20, 36676), (21, 36667), (Start: 47 @36586 has 216 MA's), (Start: 52 @36556 has 1 MA's), (53, 36541), (54, 36526), (62, 36457),

Gene: Bactobuster_52 Start: 37040, Stop: 36867, Start Num: 35

Candidate Starts for Bactobuster_52:

(17, 37136), (Start: 35 @37040 has 16 MA's), (Start: 37 @37037 has 26 MA's), (50, 37028), (53, 36995), (58, 36947), (59, 36944), (62, 36911),

Gene: Baehexic_52 Start: 36255, Stop: 36073, Start Num: 39

Candidate Starts for Baehexic_52:

(Start: 39 @36255 has 67 MA's), (Start: 52 @36222 has 1 MA's), (53, 36207), (58, 36162), (59, 36159), (62, 36126),

Gene: Barriga_49 Start: 35424, Stop: 35239, Start Num: 47

Candidate Starts for Barriga_49:

(10, 35613), (20, 35514), (21, 35505), (Start: 36 @35448 has 2 MA's), (Start: 47 @35424 has 216 MA's), (Start: 52 @35394 has 1 MA's), (53, 35379), (54, 35364), (62, 35295),

Gene: BarrowTuph_49 Start: 36149, Stop: 35967, Start Num: 47

Candidate Starts for BarrowTuph_49:

(10, 36338), (20, 36239), (21, 36230), (Start: 36 @36173 has 2 MA's), (Start: 47 @36149 has 216 MA's), (Start: 52 @36119 has 1 MA's), (53, 36104), (54, 36089), (62, 36020),

Gene: Battleship_60 Start: 35557, Stop: 35375, Start Num: 44

Candidate Starts for Battleship_60:

(Start: 44 @35557 has 60 MA's), (Start: 52 @35524 has 1 MA's), (58, 35461), (59, 35458), (62, 35425),

Gene: Beatrix_48 Start: 37134, Stop: 36952, Start Num: 47

Candidate Starts for Beatrix_48:

(10, 37323), (20, 37224), (21, 37215), (Start: 36 @37158 has 2 MA's), (Start: 47 @37134 has 216 MA's), (Start: 52 @37104 has 1 MA's), (53, 37089), (54, 37074), (62, 37005), (63, 36999),

Gene: Beauxregard13_55 Start: 36113, Stop: 35907, Start Num: 40

Candidate Starts for Beauxregard13_55:

(21, 36173), (Start: 40 @36113 has 116 MA's), (Start: 52 @36074 has 1 MA's), (53, 36059), (58, 36011),

Gene: Beemo_53 Start: 36206, Stop: 35943, Start Num: 41

Candidate Starts for Beemo_53:

(Start: 41 @36206 has 57 MA's), (Start: 52 @36167 has 1 MA's), (53, 36152), (58, 36104), (59, 36101), (62, 36068), (74, 35999), (79, 35981),

Gene: BeesKnees_50 Start: 35994, Stop: 35788, Start Num: 47

Candidate Starts for BeesKnees_50:

(10, 36183), (20, 36084), (21, 36075), (Start: 47 @35994 has 216 MA's), (Start: 52 @35964 has 1 MA's), (53, 35949), (54, 35934), (62, 35865), (63, 35859),

Gene: Belenaria_42 Start: 32172, Stop: 32017, Start Num: 44

Candidate Starts for Belenaria_42:

(Start: 44 @32172 has 60 MA's), (53, 32124), (56, 32097), (62, 32040),

Gene: Bellris_52 Start: 35668, Stop: 35414, Start Num: 41

Candidate Starts for Bellris_52:

(18, 35779), (Start: 41 @35668 has 57 MA's), (49, 35659), (58, 35575), (59, 35572), (60, 35569), (68, 35500), (79, 35452),

Gene: Benedict_48 Start: 34716, Stop: 34546, Start Num: 45

Candidate Starts for Benedict_48:

(Start: 45 @34716 has 115 MA's), (Start: 52 @34683 has 1 MA's), (53, 34668), (55, 34650), (58, 34620), (59, 34617), (62, 34584), (65, 34563),

Gene: BengiVuitton_55 Start: 36614, Stop: 36432, Start Num: 35

Candidate Starts for BengiVuitton_55:

(15, 36734), (Start: 35 @36614 has 16 MA's), (50, 36602), (51, 36593), (Start: 52 @36581 has 1 MA's), (53, 36566), (58, 36521), (59, 36518), (63, 36479),

Gene: BennyP_55 Start: 35159, Stop: 34977, Start Num: 45

Candidate Starts for BennyP_55:

(Start: 45 @35159 has 115 MA's), (53, 35111), (55, 35093), (58, 35063), (62, 35027),

Gene: Benvolio_50 Start: 35521, Stop: 35342, Start Num: 39

Candidate Starts for Benvolio_50:

(Start: 39 @35521 has 67 MA's), (Start: 52 @35488 has 1 MA's), (53, 35473), (54, 35458), (58, 35428), (62, 35392),

Gene: Bethlehem_49 Start: 36651, Stop: 36469, Start Num: 47

Candidate Starts for Bethlehem_49:

(10, 36840), (20, 36741), (21, 36732), (Start: 47 @36651 has 216 MA's), (Start: 52 @36621 has 1 MA's), (53, 36606), (54, 36591), (62, 36522),

Gene: Bexan_47 Start: 36812, Stop: 36630, Start Num: 47

Candidate Starts for Bexan_47:

(10, 37001), (20, 36902), (21, 36893), (Start: 36 @36836 has 2 MA's), (Start: 47 @36812 has 216 MA's), (Start: 52 @36782 has 1 MA's), (53, 36767), (54, 36752), (62, 36683), (63, 36677),

Gene: BiancaTri92_53 Start: 36904, Stop: 36722, Start Num: 39

Candidate Starts for BiancaTri92_53:

(32, 36919), (Start: 39 @36904 has 67 MA's), (Start: 52 @36871 has 1 MA's), (53, 36856), (56, 36829), (58, 36811), (59, 36808), (62, 36775),

Gene: Big3_48 Start: 36051, Stop: 35893, Start Num: 47

Candidate Starts for Big3_48:

(10, 36240), (20, 36141), (21, 36132), (Start: 36 @36075 has 2 MA's), (Start: 47 @36051 has 216 MA's), (Start: 52 @36021 has 1 MA's), (53, 36006), (54, 35991), (62, 35922),

Gene: BigMau_49 Start: 35393, Stop: 35211, Start Num: 47

Candidate Starts for BigMau_49:

(10, 35582), (20, 35483), (21, 35474), (Start: 36 @35417 has 2 MA's), (Start: 47 @35393 has 216 MA's), (Start: 52 @35363 has 1 MA's), (53, 35348), (54, 35333), (62, 35264), (63, 35258),

Gene: BigPaolini_48 Start: 34576, Stop: 34394, Start Num: 47

Candidate Starts for BigPaolini_48:

(10, 34765), (20, 34666), (21, 34657), (Start: 47 @34576 has 216 MA's), (Start: 52 @34546 has 1 MA's), (53, 34531), (54, 34516), (62, 34447), (63, 34441),

Gene: Bigchungi_48 Start: 35247, Stop: 35041, Start Num: 47

Candidate Starts for Bigchungi_48:

(10, 35436), (20, 35337), (21, 35328), (Start: 36 @35271 has 2 MA's), (Start: 47 @35247 has 216 MA's), (Start: 52 @35217 has 1 MA's), (53, 35202), (54, 35187), (62, 35118), (63, 35112),

Gene: Bigflo_55 Start: 36109, Stop: 35903, Start Num: 40

Candidate Starts for Bigflo_55:

(Start: 40 @36109 has 116 MA's), (Start: 52 @36070 has 1 MA's), (53, 36055), (58, 36007),

Gene: Bigfoot_44 Start: 34797, Stop: 34615, Start Num: 47

Candidate Starts for Bigfoot_44:

(10, 34986), (20, 34887), (21, 34878), (Start: 36 @34821 has 2 MA's), (Start: 47 @34797 has 216 MA's), (Start: 52 @34767 has 1 MA's), (53, 34752), (54, 34737), (62, 34668), (63, 34662),

Gene: BillKnuckles_49 Start: 36703, Stop: 36521, Start Num: 47

Candidate Starts for BillKnuckles_49:

(10, 36892), (20, 36793), (21, 36784), (Start: 36 @36727 has 2 MA's), (Start: 47 @36703 has 216 MA's), (Start: 52 @36673 has 1 MA's), (53, 36658), (54, 36643), (62, 36574),

Gene: Bircsak_47 Start: 36150, Stop: 35968, Start Num: 47

Candidate Starts for Bircsak_47:

(10, 36339), (20, 36240), (21, 36231), (Start: 47 @36150 has 216 MA's), (Start: 52 @36120 has 1 MA's), (53, 36105), (54, 36090), (62, 36021), (63, 36015),

Gene: Blackflame_47 Start: 34857, Stop: 34675, Start Num: 47

Candidate Starts for Blackflame_47:

(10, 35046), (20, 34947), (21, 34938), (Start: 36 @34881 has 2 MA's), (Start: 47 @34857 has 216 MA's), (Start: 52 @34827 has 1 MA's), (53, 34812), (54, 34797), (62, 34728), (63, 34722),

Gene: BlessJoy_55 Start: 35515, Stop: 35333, Start Num: 45

Candidate Starts for BlessJoy_55:

(Start: 45 @35515 has 115 MA's), (53, 35467), (56, 35440), (58, 35419), (62, 35383),

Gene: Blessor_47 Start: 35758, Stop: 35573, Start Num: 47

Candidate Starts for Blessor_47:

(10, 35947), (20, 35848), (21, 35839), (Start: 36 @35782 has 2 MA's), (Start: 47 @35758 has 216 MA's), (Start: 52 @35728 has 1 MA's), (53, 35713), (54, 35698), (62, 35629),

Gene: Blinn1_57 Start: 35107, Stop: 34925, Start Num: 45

Candidate Starts for Blinn1_57:

(Start: 45 @35107 has 115 MA's), (53, 35059), (58, 35011), (62, 34975),

Gene: BluSpix_47 Start: 32362, Stop: 32180, Start Num: 47

Candidate Starts for BluSpix_47:

(10, 32551), (20, 32452), (21, 32443), (Start: 36 @32386 has 2 MA's), (Start: 47 @32362 has 216 MA's), (Start: 52 @32332 has 1 MA's), (53, 32317), (54, 32302), (62, 32233),

Gene: Blue_48 Start: 36063, Stop: 35878, Start Num: 47

Candidate Starts for Blue_48:

(10, 36252), (20, 36153), (21, 36144), (Start: 47 @36063 has 216 MA's), (Start: 52 @36033 has 1 MA's), (53, 36018), (54, 36003), (62, 35934),

Gene: Blue7_56 Start: 35159, Stop: 34977, Start Num: 45

Candidate Starts for Blue7_56:

(Start: 45 @35159 has 115 MA's), (53, 35111), (56, 35084), (58, 35063), (62, 35027),

Gene: BlueBird_54 Start: 35963, Stop: 35766, Start Num: 41

Candidate Starts for BlueBird_54:

(Start: 41 @35963 has 57 MA's), (Start: 52 @35924 has 1 MA's), (58, 35861), (62, 35825), (69, 35783),

Gene: Bluefalcon_43 Start: 34902, Stop: 34732, Start Num: 45

Candidate Starts for Bluefalcon_43:

(Start: 45 @34902 has 115 MA's), (Start: 52 @34869 has 1 MA's), (53, 34854), (55, 34836), (58, 34806), (62, 34770),

Gene: Bob3_46 Start: 34743, Stop: 34561, Start Num: 47

Candidate Starts for Bob3_46:

(10, 34932), (20, 34833), (21, 34824), (Start: 36 @34767 has 2 MA's), (Start: 47 @34743 has 216 MA's), (Start: 52 @34713 has 1 MA's), (53, 34698), (54, 34683), (62, 34614), (63, 34608),

Gene: BobSwaget_49 Start: 34927, Stop: 34745, Start Num: 35

Candidate Starts for BobSwaget_49:

(15, 35047), (Start: 35 @34927 has 16 MA's), (50, 34915), (Start: 52 @34894 has 1 MA's), (53, 34879), (54, 34864), (58, 34834), (59, 34831),

Gene: BobbyDazzler_42 Start: 32285, Stop: 32130, Start Num: 44
Candidate Starts for BobbyDazzler_42:
(Start: 44 @32285 has 60 MA's), (53, 32237), (56, 32210), (62, 32153),

Gene: BogosyJay_52 Start: 35921, Stop: 35658, Start Num: 41
Candidate Starts for BogosyJay_52:
(Start: 41 @35921 has 57 MA's), (Start: 52 @35882 has 1 MA's), (53, 35867), (58, 35819), (74, 35714), (79, 35696),

Gene: Bonamassa_45 Start: 34926, Stop: 34756, Start Num: 45
Candidate Starts for Bonamassa_45:
(Start: 45 @34926 has 115 MA's), (Start: 52 @34893 has 1 MA's), (53, 34878), (55, 34860), (58, 34830), (59, 34827), (62, 34794),

Gene: Bonanza_42 Start: 32213, Stop: 32058, Start Num: 44
Candidate Starts for Bonanza_42:
(Start: 44 @32213 has 60 MA's), (53, 32165), (56, 32138), (62, 32081),

Gene: Bones_49 Start: 36439, Stop: 36233, Start Num: 47
Candidate Starts for Bones_49:
(10, 36628), (20, 36529), (21, 36520), (Start: 36 @36463 has 2 MA's), (Start: 47 @36439 has 216 MA's), (Start: 52 @36409 has 1 MA's), (53, 36394), (54, 36379), (62, 36310), (63, 36304),

Gene: Boohoo_58 Start: 35351, Stop: 35169, Start Num: 44
Candidate Starts for Boohoo_58:
(Start: 44 @35351 has 60 MA's), (Start: 52 @35318 has 1 MA's), (58, 35255), (59, 35252), (62, 35219), (64, 35204),

Gene: Bowtie_53 Start: 35531, Stop: 35307, Start Num: 37
Candidate Starts for Bowtie_53:
(Start: 37 @35531 has 26 MA's), (50, 35513), (58, 35432), (59, 35429), (62, 35396), (72, 35336), (74, 35327),

Gene: Bradman_52 Start: 35098, Stop: 34913, Start Num: 40
Candidate Starts for Bradman_52:
(Start: 40 @35098 has 116 MA's), (Start: 52 @35065 has 1 MA's), (54, 35035), (58, 35002),

Gene: Bradshaw_42 Start: 32239, Stop: 32084, Start Num: 44
Candidate Starts for Bradshaw_42:
(Start: 44 @32239 has 60 MA's), (53, 32191), (56, 32164), (62, 32107),

Gene: BreSam8_55 Start: 36103, Stop: 35897, Start Num: 40
Candidate Starts for BreSam8_55:
(21, 36163), (Start: 40 @36103 has 116 MA's), (Start: 52 @36064 has 1 MA's), (53, 36049), (58, 36001),

Gene: Briton15_51 Start: 36220, Stop: 36014, Start Num: 47
Candidate Starts for Briton15_51:
(10, 36409), (20, 36310), (21, 36301), (Start: 36 @36244 has 2 MA's), (Start: 47 @36220 has 216 MA's), (Start: 52 @36190 has 1 MA's), (53, 36175), (54, 36160), (62, 36091), (63, 36085),

Gene: Bruns_47 Start: 35355, Stop: 35173, Start Num: 47

Candidate Starts for Bruns_47:

(10, 35544), (20, 35445), (21, 35436), (Start: 47 @35355 has 216 MA's), (Start: 52 @35325 has 1 MA's), (53, 35310), (54, 35295), (62, 35226), (63, 35220),

Gene: Bryce_41 Start: 31993, Stop: 31838, Start Num: 44

Candidate Starts for Bryce_41:

(Start: 44 @31993 has 60 MA's), (53, 31945), (56, 31918), (62, 31861),

Gene: Bud_52 Start: 35078, Stop: 34854, Start Num: 37

Candidate Starts for Bud_52:

(Start: 37 @35078 has 26 MA's), (50, 35060), (58, 34979), (59, 34976), (62, 34943), (72, 34883), (74, 34874),

Gene: Bugatti_53 Start: 35963, Stop: 35766, Start Num: 41

Candidate Starts for Bugatti_53:

(Start: 41 @35963 has 57 MA's), (Start: 52 @35924 has 1 MA's), (58, 35861), (62, 35825), (69, 35783),

Gene: Bugsy_55 Start: 36628, Stop: 36446, Start Num: 39

Candidate Starts for Bugsy_55:

(Start: 36 @36634 has 2 MA's), (Start: 39 @36628 has 67 MA's), (50, 36616), (Start: 52 @36595 has 1 MA's), (53, 36580), (54, 36565), (58, 36535),

Gene: Burton_48 Start: 35291, Stop: 35106, Start Num: 47

Candidate Starts for Burton_48:

(10, 35480), (20, 35381), (21, 35372), (Start: 47 @35291 has 216 MA's), (Start: 52 @35261 has 1 MA's), (53, 35246), (54, 35231), (62, 35162),

Gene: Buttons_47 Start: 34285, Stop: 34124, Start Num: 47

Candidate Starts for Buttons_47:

(10, 34474), (20, 34375), (21, 34366), (Start: 36 @34309 has 2 MA's), (Start: 47 @34285 has 216 MA's), (Start: 52 @34255 has 1 MA's), (53, 34240), (54, 34225), (62, 34156),

Gene: BuzzBuzz_53 Start: 36137, Stop: 35931, Start Num: 40

Candidate Starts for BuzzBuzz_53:

(Start: 40 @36137 has 116 MA's), (Start: 52 @36098 has 1 MA's), (53, 36083), (58, 36035), (59, 36032), (62, 35999),

Gene: Bxb1_44 Start: 35100, Stop: 34918, Start Num: 47

Candidate Starts for Bxb1_44:

(10, 35289), (20, 35190), (21, 35181), (Start: 47 @35100 has 216 MA's), (Start: 52 @35070 has 1 MA's), (53, 35055), (54, 35040), (62, 34971), (63, 34965),

Gene: Bxz2_51 Start: 36144, Stop: 35938, Start Num: 40

Candidate Starts for Bxz2_51:

(Start: 40 @36144 has 116 MA's), (Start: 52 @36105 has 1 MA's), (53, 36090), (58, 36042), (59, 36039), (62, 36006),

Gene: C3_51 Start: 36359, Stop: 36174, Start Num: 40

Candidate Starts for C3_51:

(Start: 40 @36359 has 116 MA's), (Start: 52 @36326 has 1 MA's), (53, 36311), (54, 36296), (58, 36263), (64, 36212),

Gene: CRB1_57 Start: 36989, Stop: 36807, Start Num: 35

Candidate Starts for CRB1_57:

(15, 37109), (Start: 35 @36989 has 16 MA's), (50, 36977), (Start: 52 @36956 has 1 MA's), (58, 36896), (59, 36893), (63, 36854),

Gene: CactusRose_46 Start: 35292, Stop: 35086, Start Num: 47

Candidate Starts for CactusRose_46:

(10, 35481), (20, 35382), (21, 35373), (Start: 47 @35292 has 216 MA's), (Start: 52 @35262 has 1 MA's), (53, 35247), (54, 35232), (62, 35163), (63, 35157),

Gene: Caitlin_48 Start: 34294, Stop: 34133, Start Num: 45

Candidate Starts for Caitlin_48:

(Start: 45 @34294 has 115 MA's), (Start: 52 @34261 has 1 MA's), (55, 34228), (58, 34198), (62, 34162),

Gene: Calvinny_55 Start: 35999, Stop: 35793, Start Num: 40

Candidate Starts for Calvinny_55:

(Start: 40 @35999 has 116 MA's), (Start: 52 @35960 has 1 MA's), (53, 35945), (58, 35897), (59, 35894), (62, 35861),

Gene: Candra_54 Start: 35029, Stop: 34847, Start Num: 45

Candidate Starts for Candra_54:

(Start: 45 @35029 has 115 MA's), (53, 34981), (55, 34963), (58, 34933), (62, 34897),

Gene: Caraxes_53 Start: 34594, Stop: 34385, Start Num: 40

Candidate Starts for Caraxes_53:

(28, 34633), (32, 34609), (Start: 40 @34594 has 116 MA's), (Start: 52 @34561 has 1 MA's), (53, 34546), (58, 34498), (75, 34390),

Gene: Carlyle_47 Start: 33789, Stop: 33604, Start Num: 47

Candidate Starts for Carlyle_47:

(20, 33879), (21, 33870), (Start: 47 @33789 has 216 MA's), (Start: 52 @33759 has 1 MA's), (53, 33744), (54, 33729), (62, 33660),

Gene: CartmannCramer_47 Start: 37643, Stop: 37461, Start Num: 47

Candidate Starts for CartmannCramer_47:

(10, 37832), (20, 37733), (21, 37724), (Start: 47 @37643 has 216 MA's), (Start: 52 @37613 has 1 MA's), (53, 37598), (54, 37583), (62, 37514), (63, 37508),

Gene: CatBus_48 Start: 36519, Stop: 36337, Start Num: 47

Candidate Starts for CatBus_48:

(10, 36708), (20, 36609), (21, 36600), (Start: 36 @36543 has 2 MA's), (Start: 47 @36519 has 216 MA's), (Start: 52 @36489 has 1 MA's), (53, 36474), (54, 36459), (62, 36390), (63, 36384),

Gene: Catalina_54 Start: 36109, Stop: 35846, Start Num: 41

Candidate Starts for Catalina_54:

(Start: 41 @36109 has 57 MA's), (Start: 52 @36070 has 1 MA's), (53, 36055), (58, 36007), (62, 35971), (74, 35902), (79, 35884),

Gene: Caviar_51 Start: 35913, Stop: 35707, Start Num: 40

Candidate Starts for Caviar_51:

(Start: 38 @35916 has 2 MA's), (Start: 40 @35913 has 116 MA's), (50, 35895), (Start: 52 @35874 has 1 MA's), (58, 35811), (62, 35775),

Gene: Celestiallunch_52 Start: 35752, Stop: 35498, Start Num: 41

Candidate Starts for Celestiallunch_52:

(Start: 41 @35752 has 57 MA's), (53, 35707), (58, 35659), (68, 35584), (79, 35536),

Gene: Centaur_54 Start: 36472, Stop: 36290, Start Num: 39

Candidate Starts for Centaur_54:

(Start: 39 @36472 has 67 MA's), (Start: 52 @36439 has 1 MA's), (53, 36424), (58, 36379), (59, 36376), (62, 36343),

Gene: Chadwick_48 Start: 34527, Stop: 34357, Start Num: 45

Candidate Starts for Chadwick_48:

(Start: 45 @34527 has 115 MA's), (Start: 52 @34494 has 1 MA's), (53, 34479), (55, 34461), (58, 34431), (61, 34398), (62, 34395),

Gene: Chanagan_45 Start: 34592, Stop: 34410, Start Num: 47

Candidate Starts for Chanagan_45:

(20, 34682), (21, 34673), (Start: 36 @34616 has 2 MA's), (Start: 47 @34592 has 216 MA's), (Start: 52 @34562 has 1 MA's), (53, 34547), (54, 34532), (62, 34463), (63, 34457),

Gene: Changeling_52 Start: 36683, Stop: 36501, Start Num: 35

Candidate Starts for Changeling_52:

(17, 36779), (Start: 35 @36683 has 16 MA's), (50, 36665), (Start: 52 @36644 has 1 MA's), (53, 36629), (54, 36614), (58, 36584), (59, 36581), (62, 36548),

Gene: Chargerpower_51 Start: 34850, Stop: 34668, Start Num: 35

Candidate Starts for Chargerpower_51:

(29, 34871), (31, 34862), (Start: 35 @34850 has 16 MA's), (50, 34838), (Start: 52 @34817 has 1 MA's), (53, 34802), (54, 34787), (58, 34754), (59, 34751), (62, 34718),

Gene: Charm_51 Start: 35781, Stop: 35542, Start Num: 41

Candidate Starts for Charm_51:

(18, 35892), (Start: 41 @35781 has 57 MA's), (49, 35772), (53, 35736), (54, 35721), (58, 35688), (72, 35592), (78, 35568),

Gene: Chartreuse_53 Start: 34389, Stop: 34207, Start Num: 45

Candidate Starts for Chartreuse_53:

(Start: 45 @34389 has 115 MA's), (53, 34341), (55, 34323), (58, 34293), (62, 34257),

Gene: Che12_54 Start: 35026, Stop: 34817, Start Num: 40

Candidate Starts for Che12_54:

(30, 35050), (Start: 40 @35026 has 116 MA's), (Start: 52 @34993 has 1 MA's), (53, 34978), (58, 34930), (72, 34834),

Gene: ChipMunk_55 Start: 37846, Stop: 37664, Start Num: 39

Candidate Starts for ChipMunk_55:

(Start: 36 @37852 has 2 MA's), (Start: 39 @37846 has 67 MA's), (50, 37834), (Start: 52 @37813 has 1 MA's), (53, 37798), (56, 37771), (58, 37753), (59, 37750), (62, 37717),

Gene: Chiqui_50 Start: 35940, Stop: 35743, Start Num: 41

Candidate Starts for Chiqui_50:

(Start: 41 @35940 has 57 MA's), (Start: 52 @35901 has 1 MA's), (59, 35835), (62, 35802), (69, 35760),

Gene: ChristmasHams_44 Start: 33048, Stop: 32866, Start Num: 47

Candidate Starts for ChristmasHams_44:

(10, 33237), (20, 33138), (21, 33129), (Start: 47 @33048 has 216 MA's), (Start: 52 @33018 has 1 MA's), (53, 33003), (54, 32988), (62, 32919), (63, 32913),

Gene: Chupacabra_49 Start: 35379, Stop: 35179, Start Num: 45

Candidate Starts for Chupacabra_49:

(7, 35589), (Start: 45 @35379 has 115 MA's), (Start: 52 @35346 has 1 MA's), (53, 35331), (58, 35283), (62, 35247),

Gene: Ciao_48 Start: 35743, Stop: 35561, Start Num: 47

Candidate Starts for Ciao_48:

(10, 35932), (20, 35833), (21, 35824), (Start: 47 @35743 has 216 MA's), (Start: 52 @35713 has 1 MA's), (53, 35698), (54, 35683), (62, 35614), (63, 35608),

Gene: Clammy_53 Start: 35963, Stop: 35766, Start Num: 41

Candidate Starts for Clammy_53:

(Start: 41 @35963 has 57 MA's), (Start: 52 @35924 has 1 MA's), (58, 35861), (62, 35825), (69, 35783),

Gene: CloudWang3_55 Start: 35177, Stop: 34995, Start Num: 45

Candidate Starts for CloudWang3_55:

(Start: 45 @35177 has 115 MA's), (53, 35129), (56, 35102), (58, 35081), (62, 35045),

Gene: CogOmlette_52 Start: 35665, Stop: 35411, Start Num: 41

Candidate Starts for CogOmlette_52:

(18, 35776), (Start: 41 @35665 has 57 MA's), (49, 35656), (58, 35572), (59, 35569), (68, 35497), (79, 35449),

Gene: Colbster_55 Start: 36113, Stop: 35907, Start Num: 40

Candidate Starts for Colbster_55:

(21, 36173), (Start: 40 @36113 has 116 MA's), (Start: 52 @36074 has 1 MA's), (53, 36059), (58, 36011),

Gene: Colin_53 Start: 36470, Stop: 36291, Start Num: 39

Candidate Starts for Colin_53:

(Start: 39 @36470 has 67 MA's), (50, 36452), (Start: 52 @36431 has 1 MA's), (54, 36401), (58, 36371),

Gene: ConceptII_50 Start: 36435, Stop: 36253, Start Num: 47

Candidate Starts for ConceptII_50:

(10, 36624), (20, 36525), (21, 36516), (Start: 36 @36459 has 2 MA's), (Start: 47 @36435 has 216 MA's), (Start: 52 @36405 has 1 MA's), (53, 36390), (54, 36375), (62, 36306), (63, 36300),

Gene: Conquerage_53 Start: 36180, Stop: 35917, Start Num: 41

Candidate Starts for Conquerage_53:

(Start: 41 @36180 has 57 MA's), (Start: 52 @36141 has 1 MA's), (53, 36126), (58, 36078), (62, 36042), (74, 35973), (79, 35955),

Gene: Conspiracy_44 Start: 34569, Stop: 34399, Start Num: 45

Candidate Starts for Conspiracy_44:

(Start: 45 @34569 has 115 MA's), (Start: 52 @34536 has 1 MA's), (53, 34521), (55, 34503), (58, 34473), (59, 34470), (62, 34437),

Gene: Coog_44 Start: 34730, Stop: 34560, Start Num: 45

Candidate Starts for Coog_44:

(Start: 45 @34730 has 115 MA's), (Start: 52 @34697 has 1 MA's), (53, 34682), (55, 34664), (58, 34634), (62, 34598),

Gene: Cookiedough_54 Start: 35008, Stop: 34826, Start Num: 45

Candidate Starts for Cookiedough_54:

(Start: 45 @35008 has 115 MA's), (53, 34960), (55, 34942), (58, 34912), (62, 34876),

Gene: Corvo_49 Start: 36295, Stop: 36113, Start Num: 47

Candidate Starts for Corvo_49:

(10, 36484), (20, 36385), (21, 36376), (Start: 47 @36295 has 216 MA's), (Start: 52 @36265 has 1 MA's), (53, 36250), (54, 36235), (62, 36166), (63, 36160),

Gene: CosmicSans_42 Start: 32239, Stop: 32084, Start Num: 44

Candidate Starts for CosmicSans_42:

(Start: 44 @32239 has 60 MA's), (53, 32191), (56, 32164), (62, 32107),

Gene: Crispicous1_46 Start: 34918, Stop: 34736, Start Num: 47

Candidate Starts for Crispicous1_46:

(10, 35107), (20, 35008), (21, 34999), (Start: 47 @34918 has 216 MA's), (Start: 52 @34888 has 1 MA's), (53, 34873), (54, 34858), (62, 34789), (63, 34783),

Gene: Crucio_53 Start: 36071, Stop: 35898, Start Num: 39

Candidate Starts for Crucio_53:

(Start: 36 @36077 has 2 MA's), (Start: 39 @36071 has 67 MA's), (50, 36059), (Start: 52 @36038 has 1 MA's), (53, 36023), (54, 36008), (58, 35978), (62, 35942),

Gene: Cuco_44 Start: 34602, Stop: 34432, Start Num: 45

Candidate Starts for Cuco_44:

(Start: 45 @34602 has 115 MA's), (Start: 52 @34569 has 1 MA's), (53, 34554), (55, 34536), (58, 34506), (62, 34470),

Gene: Cueylyss_50 Start: 37572, Stop: 37366, Start Num: 47

Candidate Starts for Cueylyss_50:

(10, 37761), (20, 37662), (21, 37653), (Start: 36 @37596 has 2 MA's), (Start: 47 @37572 has 216 MA's), (Start: 52 @37542 has 1 MA's), (53, 37527), (54, 37512), (62, 37443), (63, 37437),

Gene: Cullens_55 Start: 36109, Stop: 35903, Start Num: 40

Candidate Starts for Cullens_55:

(21, 36169), (Start: 40 @36109 has 116 MA's), (Start: 52 @36070 has 1 MA's), (53, 36055), (58, 36007),

Gene: D29_52 Start: 35941, Stop: 35756, Start Num: 40

Candidate Starts for D29_52:

(4, 36148), (6, 36145), (8, 36136), (Start: 40 @35941 has 116 MA's), (Start: 52 @35908 has 1 MA's), (53, 35893), (54, 35878), (58, 35845), (64, 35794),

Gene: D32_54 Start: 35941, Stop: 35756, Start Num: 40

Candidate Starts for D32_54:

(4, 36148), (6, 36145), (8, 36136), (Start: 40 @35941 has 116 MA's), (Start: 52 @35908 has 1 MA's), (53, 35893), (54, 35878), (58, 35845), (64, 35794),

Gene: DBQu4n_55 Start: 35922, Stop: 35737, Start Num: 40

Candidate Starts for DBQu4n_55:

(4, 36129), (6, 36126), (8, 36117), (Start: 40 @35922 has 116 MA's), (Start: 52 @35889 has 1 MA's), (53, 35874), (54, 35859), (58, 35826), (64, 35775),

Gene: DD5_47 Start: 36301, Stop: 36119, Start Num: 47

Candidate Starts for DD5_47:

(10, 36490), (20, 36391), (21, 36382), (Start: 36 @36325 has 2 MA's), (Start: 47 @36301 has 216 MA's), (Start: 52 @36271 has 1 MA's), (53, 36256), (54, 36241), (62, 36172), (63, 36166),

Gene: DaHudson_55 Start: 36102, Stop: 35896, Start Num: 40

Candidate Starts for DaHudson_55:

(21, 36162), (Start: 40 @36102 has 116 MA's), (Start: 52 @36063 has 1 MA's), (53, 36048), (58, 36000),

Gene: DaVinci_53 Start: 34443, Stop: 34261, Start Num: 45

Candidate Starts for DaVinci_53:

(Start: 45 @34443 has 115 MA's), (53, 34395), (55, 34377), (58, 34347), (62, 34311),

Gene: Daishi_54 Start: 34978, Stop: 34772, Start Num: 40

Candidate Starts for Daishi_54:

(Start: 40 @34978 has 116 MA's), (Start: 52 @34939 has 1 MA's), (53, 34924), (58, 34876), (59, 34873), (62, 34840),

Gene: Dalmatian_54 Start: 36469, Stop: 36290, Start Num: 39

Candidate Starts for Dalmatian_54:

(Start: 36 @36475 has 2 MA's), (Start: 39 @36469 has 67 MA's), (50, 36457), (Start: 52 @36436 has 1 MA's), (53, 36421), (54, 36406), (58, 36376), (62, 36340),

Gene: Danforth_49 Start: 34330, Stop: 34169, Start Num: 45

Candidate Starts for Danforth_49:

(Start: 45 @34330 has 115 MA's), (Start: 52 @34297 has 1 MA's), (53, 34282), (55, 34264), (58, 34234), (62, 34198),

Gene: Darrell_55 Start: 36800, Stop: 36546, Start Num: 41

Candidate Starts for Darrell_55:

(5, 36980), (Start: 41 @36800 has 57 MA's), (49, 36791), (53, 36755), (58, 36707), (62, 36671), (74, 36602), (79, 36584),

Gene: DARTHPhader_49 Start: 36772, Stop: 36545, Start Num: 39

Candidate Starts for DARTHPhader_49:

(Start: 39 @36772 has 67 MA's), (50, 36745), (Start: 52 @36724 has 1 MA's), (53, 36715), (54, 36700), (58, 36667), (62, 36631), (63, 36625), (67, 36595), (71, 36574), (73, 36568),

Gene: DeerParkTS_52 Start: 35585, Stop: 35412, Start Num: 39

Candidate Starts for DeerParkTS_52:

(Start: 36 @35591 has 2 MA's), (Start: 39 @35585 has 67 MA's), (50, 35573), (Start: 52 @35552 has 1 MA's), (53, 35537), (56, 35510), (58, 35492), (59, 35489), (62, 35456),

Gene: DekHockey33_59 Start: 35643, Stop: 35461, Start Num: 44

Candidate Starts for DekHockey33_59:

(Start: 44 @35643 has 60 MA's), (Start: 52 @35610 has 1 MA's), (58, 35547), (59, 35544), (62, 35511), (64, 35496),

Gene: Deloris_54 Start: 36283, Stop: 36101, Start Num: 35

Candidate Starts for Deloris_54:

(15, 36403), (Start: 35 @36283 has 16 MA's), (50, 36271), (51, 36262), (Start: 52 @36250 has 1 MA's), (58, 36190), (59, 36187), (63, 36148),

Gene: Dexes_49 Start: 36648, Stop: 36490, Start Num: 47

Candidate Starts for Dexes_49:

(10, 36837), (20, 36738), (21, 36729), (Start: 47 @36648 has 216 MA's), (Start: 52 @36618 has 1 MA's), (53, 36603), (54, 36588), (62, 36519),

Gene: Dieselweasel_56 Start: 36112, Stop: 35906, Start Num: 40

Candidate Starts for Dieselweasel_56:

(21, 36172), (Start: 40 @36112 has 116 MA's), (Start: 52 @36073 has 1 MA's), (53, 36058), (58, 36010),

Gene: Dignity_55 Start: 36651, Stop: 36469, Start Num: 39

Candidate Starts for Dignity_55:

(Start: 36 @36657 has 2 MA's), (Start: 39 @36651 has 67 MA's), (50, 36639), (Start: 52 @36618 has 1 MA's), (53, 36603), (54, 36588), (58, 36558),

Gene: Dinger_41 Start: 32108, Stop: 31953, Start Num: 44

Candidate Starts for Dinger_41:

(Start: 44 @32108 has 60 MA's), (53, 32060), (56, 32033), (62, 31976),

Gene: Discoknowium_43 Start: 34416, Stop: 34246, Start Num: 45

Candidate Starts for Discoknowium_43:

(Start: 45 @34416 has 115 MA's), (Start: 52 @34383 has 1 MA's), (53, 34368), (55, 34350), (58, 34320), (59, 34317), (62, 34284),

Gene: Dixon_49 Start: 34125, Stop: 33964, Start Num: 45

Candidate Starts for Dixon_49:

(Start: 45 @34125 has 115 MA's), (Start: 52 @34092 has 1 MA's), (55, 34059), (58, 34029), (62, 33993),

Gene: DontArgue_49 Start: 34535, Stop: 34335, Start Num: 45

Candidate Starts for DontArgue_49:

(23, 34595), (Start: 45 @34535 has 115 MA's), (Start: 52 @34502 has 1 MA's), (58, 34439), (62, 34403),

Gene: Doom_48 Start: 36079, Stop: 35897, Start Num: 47

Candidate Starts for Doom_48:

(10, 36268), (20, 36169), (21, 36160), (Start: 47 @36079 has 216 MA's), (Start: 52 @36049 has 1 MA's), (53, 36034), (54, 36019), (62, 35950), (63, 35944),

Gene: Dorothea_54 Start: 35012, Stop: 34830, Start Num: 45

Candidate Starts for Dorothea_54:

(Start: 45 @35012 has 115 MA's), (53, 34964), (55, 34946), (58, 34916), (62, 34880),

Gene: DrFeelGood_46 Start: 35763, Stop: 35581, Start Num: 47

Candidate Starts for DrFeelGood_46:

(10, 35952), (20, 35853), (21, 35844), (Start: 36 @35787 has 2 MA's), (Start: 47 @35763 has 216 MA's), (Start: 52 @35733 has 1 MA's), (53, 35718), (54, 35703), (62, 35634), (63, 35628),

Gene: Drake55_55 Start: 36551, Stop: 36369, Start Num: 39

Candidate Starts for Drake55_55:

(Start: 39 @36551 has 67 MA's), (Start: 52 @36518 has 1 MA's), (53, 36503), (58, 36458), (59, 36455), (62, 36422),

Gene: Drake94_48 Start: 34596, Stop: 34396, Start Num: 45

Candidate Starts for Drake94_48:

(2, 34869), (3, 34836), (12, 34761), (Start: 45 @34596 has 115 MA's), (Start: 52 @34563 has 1 MA's), (53, 34548), (58, 34500), (62, 34464),

Gene: DreamCatcher_52 Start: 37169, Stop: 36963, Start Num: 47

Candidate Starts for DreamCatcher_52:

(10, 37358), (20, 37259), (21, 37250), (Start: 47 @37169 has 216 MA's), (Start: 52 @37139 has 1 MA's), (53, 37124), (54, 37109), (62, 37040), (63, 37034),

Gene: DreamTeam1_51 Start: 35637, Stop: 35398, Start Num: 41

Candidate Starts for DreamTeam1_51:

(18, 35748), (Start: 41 @35637 has 57 MA's), (53, 35592), (54, 35577), (58, 35544), (72, 35448), (78, 35424),

Gene: Dreamboat_50 Start: 35519, Stop: 35337, Start Num: 47

Candidate Starts for Dreamboat_50:

(10, 35708), (20, 35609), (21, 35600), (Start: 47 @35519 has 216 MA's), (Start: 52 @35489 has 1 MA's), (53, 35474), (54, 35459), (62, 35390), (63, 35384),

Gene: DropBear_52 Start: 35835, Stop: 35638, Start Num: 41

Candidate Starts for DropBear_52:

(Start: 41 @35835 has 57 MA's), (Start: 52 @35796 has 1 MA's), (58, 35733), (59, 35730), (62, 35697), (69, 35655),

Gene: Dublin_44 Start: 34738, Stop: 34568, Start Num: 45

Candidate Starts for Dublin_44:

(Start: 45 @34738 has 115 MA's), (Start: 52 @34705 has 1 MA's), (53, 34690), (55, 34672), (58, 34642), (61, 34609), (62, 34606),

Gene: DudeLittle_52 Start: 36235, Stop: 36056, Start Num: 39

Candidate Starts for DudeLittle_52:

(Start: 36 @36241 has 2 MA's), (Start: 39 @36235 has 67 MA's), (50, 36223), (Start: 52 @36202 has 1 MA's), (53, 36187), (54, 36172), (58, 36142), (62, 36106),

Gene: Dulcie_49 Start: 35967, Stop: 35761, Start Num: 47

Candidate Starts for Dulcie_49:

(20, 36057), (21, 36048), (Start: 47 @35967 has 216 MA's), (Start: 52 @35937 has 1 MA's), (53, 35922), (54, 35907), (62, 35838), (63, 35832),

Gene: Duplo_55 Start: 35978, Stop: 35793, Start Num: 40

Candidate Starts for Duplo_55:

(4, 36185), (6, 36182), (8, 36173), (Start: 40 @35978 has 116 MA's), (Start: 52 @35945 has 1 MA's), (53, 35930), (54, 35915), (58, 35882), (64, 35831),

Gene: Dussy_50 Start: 35979, Stop: 35797, Start Num: 47

Candidate Starts for Dussy_50:

(10, 36168), (20, 36069), (21, 36060), (Start: 36 @36003 has 2 MA's), (Start: 47 @35979 has 216 MA's), (Start: 52 @35949 has 1 MA's), (53, 35934), (54, 35919), (62, 35850), (63, 35844),

Gene: DustyMartin_54 Start: 35457, Stop: 35257, Start Num: 45

Candidate Starts for DustyMartin_54:

(7, 35661), (Start: 45 @35457 has 115 MA's), (Start: 52 @35424 has 1 MA's), (53, 35409), (58, 35361), (62, 35325),

Gene: Dynamix_50 Start: 35965, Stop: 35759, Start Num: 47

Candidate Starts for Dynamix_50:

(20, 36055), (21, 36046), (Start: 36 @35989 has 2 MA's), (Start: 47 @35965 has 216 MA's), (Start: 52 @35935 has 1 MA's), (53, 35920), (54, 35905), (62, 35836), (63, 35830),

Gene: EZMoney23_51 Start: 35996, Stop: 35814, Start Num: 39

Candidate Starts for EZMoney23_51:

(Start: 39 @35996 has 67 MA's), (50, 35978), (Start: 52 @35957 has 1 MA's), (54, 35927), (58, 35897), (59, 35894), (62, 35861),

Gene: EagleEye_55 Start: 35749, Stop: 35528, Start Num: 33

Candidate Starts for EagleEye_55:

(Start: 33 @35749 has 3 MA's), (49, 35728), (Start: 52 @35704 has 1 MA's), (54, 35674), (58, 35641), (59, 35638), (62, 35605),

Gene: Eaglepride_51 Start: 35449, Stop: 35240, Start Num: 45

Candidate Starts for Eaglepride_51:

(7, 35653), (Start: 45 @35449 has 115 MA's), (Start: 52 @35416 has 1 MA's), (53, 35401), (58, 35353), (62, 35317),

Gene: Ebony_52 Start: 35095, Stop: 34871, Start Num: 37

Candidate Starts for Ebony_52:

(Start: 37 @35095 has 26 MA's), (50, 35077), (58, 34996), (59, 34993), (62, 34960), (72, 34900), (74, 34891),

Gene: Echid_53 Start: 35545, Stop: 35366, Start Num: 39

Candidate Starts for Echid_53:

(Start: 39 @35545 has 67 MA's), (Start: 52 @35512 has 1 MA's), (53, 35497), (54, 35482), (58, 35452), (62, 35416),

Gene: Edison31_49 Start: 35388, Stop: 35188, Start Num: 45

Candidate Starts for Edison31_49:

(1, 35664), (3, 35628), (Start: 45 @35388 has 115 MA's), (Start: 52 @35355 has 1 MA's), (58, 35292), (62, 35256),

Gene: EdogawaKiddo_51 Start: 36157, Stop: 35894, Start Num: 41

Candidate Starts for EdogawaKiddo_51:

(Start: 41 @36157 has 57 MA's), (Start: 52 @36118 has 1 MA's), (53, 36103), (58, 36055), (59, 36052), (62, 36019), (74, 35950), (79, 35932),

Gene: Edtherson_48 Start: 36243, Stop: 36061, Start Num: 47

Candidate Starts for Edtherson_48:

(10, 36432), (20, 36333), (21, 36324), (Start: 36 @36267 has 2 MA's), (Start: 47 @36243 has 216 MA's), (Start: 52 @36213 has 1 MA's), (53, 36198), (54, 36183), (62, 36114), (63, 36108),

Gene: Eidsmoe_53 Start: 36172, Stop: 35909, Start Num: 41

Candidate Starts for Eidsmoe_53:

(Start: 41 @36172 has 57 MA's), (Start: 52 @36133 has 1 MA's), (53, 36118), (58, 36070), (62, 36034), (74, 35965), (79, 35947),

Gene: ElTiger69_47 Start: 34698, Stop: 34528, Start Num: 45

Candidate Starts for ElTiger69_47:

(Start: 45 @34698 has 115 MA's), (Start: 52 @34665 has 1 MA's), (53, 34650), (55, 34632), (58, 34602), (59, 34599), (62, 34566), (65, 34545),

Gene: Elephantoon_52 Start: 35545, Stop: 35291, Start Num: 41

Candidate Starts for Elephantoon_52:

(Start: 41 @35545 has 57 MA's), (49, 35536), (53, 35500), (58, 35452), (62, 35416), (74, 35347), (77, 35335), (79, 35329),

Gene: Elle_52 Start: 33392, Stop: 33210, Start Num: 44

Candidate Starts for Elle_52:

(Start: 44 @33392 has 60 MA's), (Start: 52 @33359 has 1 MA's), (58, 33296), (59, 33293), (62, 33260),

Gene: EmyBug_52 Start: 36174, Stop: 35911, Start Num: 41

Candidate Starts for EmyBug_52:

(Start: 41 @36174 has 57 MA's), (Start: 52 @36135 has 1 MA's), (53, 36120), (58, 36072), (62, 36036), (74, 35967), (79, 35949),

Gene: EnzoK_47 Start: 33569, Stop: 33387, Start Num: 47

Candidate Starts for EnzoK_47:

(10, 33758), (20, 33659), (21, 33650), (Start: 36 @33593 has 2 MA's), (Start: 47 @33569 has 216 MA's), (Start: 52 @33539 has 1 MA's), (53, 33524), (54, 33509), (62, 33440), (63, 33434),

Gene: EpicPhail_56 Start: 36113, Stop: 35907, Start Num: 40

Candidate Starts for EpicPhail_56:

(21, 36173), (Start: 40 @36113 has 116 MA's), (Start: 52 @36074 has 1 MA's), (53, 36059), (58, 36011),

Gene: Epsocamisio_56 Start: 34886, Stop: 34704, Start Num: 44

Candidate Starts for Epsocamisio_56:

(Start: 44 @34886 has 60 MA's), (Start: 52 @34853 has 1 MA's), (58, 34790), (59, 34787), (62, 34754), (64, 34739),

Gene: Equemioh13_54 Start: 36374, Stop: 36192, Start Num: 39

Candidate Starts for Equemioh13_54:

(Start: 39 @36374 has 67 MA's), (Start: 52 @36341 has 1 MA's), (53, 36326), (58, 36281), (59, 36278), (62, 36245),

Gene: EricB_54 Start: 34986, Stop: 34804, Start Num: 45

Candidate Starts for EricB_54:

(Start: 45 @34986 has 115 MA's), (53, 34938), (55, 34920), (58, 34890), (62, 34854),

Gene: Erik_42 Start: 32171, Stop: 32016, Start Num: 44

Candidate Starts for Erik_42:

(Start: 44 @32171 has 60 MA's), (53, 32123), (56, 32096), (62, 32039),

Gene: Espica_42 Start: 32172, Stop: 32017, Start Num: 44

Candidate Starts for Espica_42:

(Start: 44 @32172 has 60 MA's), (53, 32124), (56, 32097), (62, 32040),

Gene: Espresso_48 Start: 35872, Stop: 35663, Start Num: 36

Candidate Starts for Espresso_48:

(10, 36037), (20, 35938), (21, 35929), (Start: 36 @35872 has 2 MA's), (Start: 47 @35848 has 216 MA's), (Start: 52 @35818 has 1 MA's), (53, 35803), (54, 35788), (62, 35719),

Gene: Et2Brutus_51 Start: 35058, Stop: 34834, Start Num: 37

Candidate Starts for Et2Brutus_51:

(Start: 37 @35058 has 26 MA's), (50, 35040), (58, 34959), (59, 34956), (62, 34923), (72, 34863), (74, 34854),

Gene: EtoileNova_52 Start: 35920, Stop: 35711, Start Num: 38

Candidate Starts for EtoileNova_52:

(Start: 38 @35920 has 2 MA's), (Start: 40 @35917 has 116 MA's), (50, 35899), (Start: 52 @35878 has 1 MA's), (58, 35815), (62, 35779),

Gene: Euphoria_46 Start: 35099, Stop: 34914, Start Num: 47

Candidate Starts for Euphoria_46:

(10, 35288), (20, 35189), (21, 35180), (Start: 47 @35099 has 216 MA's), (Start: 52 @35069 has 1 MA's), (53, 35054), (54, 35039), (62, 34970),

Gene: EvilGenius_55 Start: 37847, Stop: 37665, Start Num: 39

Candidate Starts for EvilGenius_55:

(Start: 36 @37853 has 2 MA's), (Start: 39 @37847 has 67 MA's), (50, 37835), (Start: 52 @37814 has 1 MA's), (53, 37799), (56, 37772), (58, 37754), (59, 37751), (62, 37718),

Gene: Expelliarmus_49 Start: 34359, Stop: 34198, Start Num: 45

Candidate Starts for Expelliarmus_49:

(Start: 45 @34359 has 115 MA's), (Start: 52 @34326 has 1 MA's), (55, 34293), (58, 34263), (62, 34227),

Gene: ExplosioNervosa_53 Start: 36240, Stop: 35977, Start Num: 41

Candidate Starts for ExplosioNervosa_53:

(Start: 41 @36240 has 57 MA's), (Start: 52 @36201 has 1 MA's), (53, 36186), (58, 36138), (59, 36135), (62, 36102), (74, 36033), (79, 36015),

Gene: Eyeball_50 Start: 36349, Stop: 36143, Start Num: 47

Candidate Starts for Eyeball_50:

(10, 36538), (20, 36439), (21, 36430), (Start: 47 @36349 has 216 MA's), (Start: 52 @36319 has 1 MA's), (53, 36304), (54, 36289), (62, 36220), (63, 36214),

Gene: Fajezeel_50 Start: 36092, Stop: 35910, Start Num: 47

Candidate Starts for Fajezeel_50:

(10, 36281), (20, 36182), (21, 36173), (Start: 47 @36092 has 216 MA's), (Start: 52 @36062 has 1 MA's), (53, 36047), (54, 36032), (62, 35963), (63, 35957),

Gene: Fameo_53 Start: 36408, Stop: 36226, Start Num: 39

Candidate Starts for Fameo_53:

(Start: 36 @36414 has 2 MA's), (Start: 39 @36408 has 67 MA's), (50, 36396), (Start: 52 @36375 has 1 MA's), (53, 36360), (54, 36345), (58, 36315),

Gene: Farber_55 Start: 36099, Stop: 35893, Start Num: 40

Candidate Starts for Farber_55:

(Start: 40 @36099 has 116 MA's), (Start: 52 @36060 has 1 MA's), (53, 36045), (58, 35997), (59, 35994), (62, 35961),

Gene: Fascinus_44 Start: 34994, Stop: 34812, Start Num: 47

Candidate Starts for Fascinus_44:

(10, 35183), (20, 35084), (21, 35075), (Start: 36 @35018 has 2 MA's), (Start: 47 @34994 has 216 MA's), (Start: 52 @34964 has 1 MA's), (53, 34949), (54, 34934), (62, 34865), (63, 34859),

Gene: FatCactus_44 Start: 33450, Stop: 33280, Start Num: 43

Candidate Starts for FatCactus_44:

(43, 33450), (53, 33402), (55, 33384), (58, 33354), (60, 33348), (62, 33318),

Gene: Fayely_53 Start: 36141, Stop: 35878, Start Num: 41

Candidate Starts for Fayely_53:

(Start: 41 @36141 has 57 MA's), (Start: 52 @36102 has 1 MA's), (53, 36087), (58, 36039), (62, 36003), (74, 35934), (79, 35916),

Gene: Fenn_51 Start: 37920, Stop: 37738, Start Num: 47

Candidate Starts for Fenn_51:

(10, 38109), (20, 38010), (21, 38001), (Start: 36 @37944 has 2 MA's), (Start: 47 @37920 has 216 MA's), (Start: 52 @37890 has 1 MA's), (53, 37875), (54, 37860), (62, 37791),

Gene: Fernando_55 Start: 36109, Stop: 35903, Start Num: 40

Candidate Starts for Fernando_55:

(21, 36169), (Start: 40 @36109 has 116 MA's), (Start: 52 @36070 has 1 MA's), (53, 36055), (58, 36007),

Gene: Fibonacci_52 Start: 35064, Stop: 34840, Start Num: 37

Candidate Starts for Fibonacci_52:

(Start: 37 @35064 has 26 MA's), (50, 35046), (58, 34965), (59, 34962), (62, 34929), (72, 34869), (74, 34860),

Gene: FiringLine_53 Start: 36052, Stop: 35879, Start Num: 39

Candidate Starts for FiringLine_53:

(Start: 36 @36058 has 2 MA's), (Start: 39 @36052 has 67 MA's), (50, 36040), (Start: 52 @36019 has 1 MA's), (53, 36004), (54, 35989), (58, 35959), (62, 35923),

Gene: First_0055 Start: 36546, Stop: 36364, Start Num: 35

Candidate Starts for First_0055:

(15, 36666), (Start: 35 @36546 has 16 MA's), (50, 36534), (51, 36525), (Start: 52 @36513 has 1 MA's), (58, 36453), (59, 36450), (63, 36411),

Gene: Flare16_53 Start: 36133, Stop: 35951, Start Num: 39

Candidate Starts for Flare16_53:

(Start: 39 @36133 has 67 MA's), (Start: 52 @36100 has 1 MA's), (53, 36085), (58, 36040), (59, 36037), (62, 36004),

Gene: Flaverint_53 Start: 35522, Stop: 35298, Start Num: 37

Candidate Starts for Flaverint_53:

(Start: 37 @35522 has 26 MA's), (50, 35504), (58, 35423), (59, 35420), (62, 35387), (72, 35327), (74, 35318),

Gene: Florence1_43 Start: 34252, Stop: 34082, Start Num: 45

Candidate Starts for Florence1_43:

(Start: 45 @34252 has 115 MA's), (Start: 52 @34219 has 1 MA's), (53, 34204), (55, 34186), (58, 34156), (59, 34153), (62, 34120),

Gene: Florence4_45 Start: 34252, Stop: 34082, Start Num: 45

Candidate Starts for Florence4_45:

(Start: 45 @34252 has 115 MA's), (Start: 52 @34219 has 1 MA's), (53, 34204), (55, 34186), (58, 34156), (59, 34153), (62, 34120),

Gene: ForGetIt_44 Start: 34594, Stop: 34424, Start Num: 45

Candidate Starts for ForGetIt_44:

(Start: 45 @34594 has 115 MA's), (Start: 52 @34561 has 1 MA's), (53, 34546), (55, 34528), (58, 34498), (59, 34495), (62, 34462),

Gene: ForesterFrank_51 Start: 36749, Stop: 36567, Start Num: 39

Candidate Starts for ForesterFrank_51:

(Start: 39 @36749 has 67 MA's), (50, 36731), (Start: 52 @36710 has 1 MA's), (53, 36695), (54, 36680), (58, 36650), (59, 36647), (62, 36614),

Gene: Forsytheast_48 Start: 35573, Stop: 35391, Start Num: 47

Candidate Starts for Forsytheast_48:

(10, 35762), (20, 35663), (21, 35654), (Start: 47 @35573 has 216 MA's), (Start: 52 @35543 has 1 MA's), (53, 35528), (54, 35513), (62, 35444), (63, 35438),

Gene: Francis47_47 Start: 36418, Stop: 36236, Start Num: 47

Candidate Starts for Francis47_47:

(10, 36607), (20, 36508), (21, 36499), (Start: 47 @36418 has 216 MA's), (Start: 52 @36388 has 1 MA's), (53, 36373), (54, 36358), (62, 36289), (63, 36283),

Gene: Fred313_52 Start: 35526, Stop: 35329, Start Num: 41

Candidate Starts for Fred313_52:

(Start: 41 @35526 has 57 MA's), (Start: 52 @35487 has 1 MA's), (58, 35424), (59, 35421), (62, 35388), (69, 35346),

Gene: Froghopper_46 Start: 35088, Stop: 34906, Start Num: 47

Candidate Starts for Froghopper_46:

(10, 35277), (20, 35178), (21, 35169), (Start: 36 @35112 has 2 MA's), (Start: 47 @35088 has 216 MA's), (Start: 52 @35058 has 1 MA's), (53, 35043), (54, 35028), (62, 34959), (63, 34953),

Gene: Fushigi_47 Start: 34049, Stop: 33891, Start Num: 47

Candidate Starts for Fushigi_47:

(10, 34238), (20, 34139), (21, 34130), (Start: 47 @34049 has 216 MA's), (Start: 52 @34019 has 1 MA's), (53, 34004), (54, 33989), (62, 33920),

Gene: GMonster_45 Start: 34417, Stop: 34238, Start Num: 47

Candidate Starts for GMonster_45:

(10, 34606), (20, 34507), (21, 34498), (Start: 36 @34441 has 2 MA's), (Start: 47 @34417 has 216 MA's), (Start: 52 @34387 has 1 MA's), (53, 34372), (54, 34357), (62, 34288), (63, 34282),

Gene: Gachnar_48 Start: 35174, Stop: 34992, Start Num: 47

Candidate Starts for Gachnar_48:

(10, 35363), (20, 35264), (21, 35255), (Start: 47 @35174 has 216 MA's), (Start: 52 @35144 has 1 MA's), (53, 35129), (54, 35114), (62, 35045), (63, 35039),

Gene: GageAP_49 Start: 35888, Stop: 35706, Start Num: 47

Candidate Starts for GageAP_49:

(10, 36077), (20, 35978), (21, 35969), (Start: 36 @35912 has 2 MA's), (Start: 47 @35888 has 216 MA's), (Start: 52 @35858 has 1 MA's), (53, 35843), (54, 35828), (62, 35759), (63, 35753),

Gene: Gail_57 Start: 37210, Stop: 36971, Start Num: 41

Candidate Starts for Gail_57:

(19, 37312), (Start: 41 @37210 has 57 MA's), (50, 37192), (51, 37183), (Start: 52 @37171 has 1 MA's), (53, 37156), (58, 37108), (79, 36985),

Gene: Gandalf20_51 Start: 36941, Stop: 36735, Start Num: 47

Candidate Starts for Gandalf20_51:

(10, 37130), (20, 37031), (21, 37022), (Start: 47 @36941 has 216 MA's), (Start: 52 @36911 has 1 MA's), (53, 36896), (54, 36881), (62, 36812), (63, 36806),

Gene: Garak_57 Start: 35456, Stop: 35274, Start Num: 45

Candidate Starts for Garak_57:

(Start: 45 @35456 has 115 MA's), (53, 35408), (56, 35381), (58, 35360), (62, 35324),

Gene: GaugeLDP_51 Start: 36399, Stop: 36220, Start Num: 39

Candidate Starts for GaugeLDP_51:

(Start: 39 @36399 has 67 MA's), (50, 36390), (Start: 52 @36369 has 1 MA's), (53, 36354), (54, 36339), (58, 36309), (59, 36306), (62, 36273),

Gene: Gemma_54 Start: 35995, Stop: 35789, Start Num: 40

Candidate Starts for Gemma_54:

(Start: 40 @35995 has 116 MA's), (Start: 52 @35956 has 1 MA's), (53, 35941), (58, 35893), (62, 35857),

Gene: George_44 Start: 34829, Stop: 34659, Start Num: 45

Candidate Starts for George_44:

(Start: 45 @34829 has 115 MA's), (Start: 52 @34796 has 1 MA's), (53, 34781), (55, 34763), (58, 34733), (59, 34730), (62, 34697),

Gene: Georgie2_54 Start: 36097, Stop: 35924, Start Num: 39

Candidate Starts for Georgie2_54:

(Start: 36 @36103 has 2 MA's), (Start: 39 @36097 has 67 MA's), (50, 36085), (Start: 52 @36064 has 1 MA's), (53, 36049), (54, 36034), (58, 36004), (62, 35968),

Gene: Ghoulboy_47 Start: 35473, Stop: 35303, Start Num: 45

Candidate Starts for Ghoulboy_47:

(Start: 45 @35473 has 115 MA's), (Start: 52 @35440 has 1 MA's), (53, 35425), (55, 35407), (58, 35377), (59, 35374), (62, 35341), (65, 35320), (66, 35308),

Gene: Gilberta_53 Start: 35515, Stop: 35291, Start Num: 37

Candidate Starts for Gilberta_53:

(Start: 37 @35515 has 26 MA's), (50, 35497), (58, 35416), (59, 35413), (62, 35380), (72, 35320), (74, 35311),

Gene: GingkoMaracino_55 Start: 35995, Stop: 35789, Start Num: 40

Candidate Starts for GingkoMaracino_55:

(Start: 40 @35995 has 116 MA's), (Start: 52 @35956 has 1 MA's), (53, 35941), (58, 35893),

Gene: Giroux_54 Start: 35962, Stop: 35765, Start Num: 41

Candidate Starts for Giroux_54:

(Start: 41 @35962 has 57 MA's), (Start: 52 @35923 has 1 MA's), (58, 35860), (62, 35824), (69, 35782),

Gene: Gladiator_52 Start: 34681, Stop: 34499, Start Num: 45

Candidate Starts for Gladiator_52:

(Start: 45 @34681 has 115 MA's), (53, 34633), (56, 34606), (58, 34585), (62, 34549),

Gene: Gollum_42 Start: 32237, Stop: 32082, Start Num: 44

Candidate Starts for Gollum_42:

(Start: 44 @32237 has 60 MA's), (53, 32189), (56, 32162), (62, 32105),

Gene: Gompeii16_47 Start: 36151, Stop: 35969, Start Num: 47

Candidate Starts for Gompeii16_47:

(10, 36340), (20, 36241), (21, 36232), (Start: 47 @36151 has 216 MA's), (Start: 52 @36121 has 1 MA's), (53, 36106), (54, 36091), (62, 36022), (63, 36016),

Gene: Goose_50 Start: 35192, Stop: 34992, Start Num: 45

Candidate Starts for Goose_50:

(7, 35402), (Start: 45 @35192 has 115 MA's), (Start: 52 @35159 has 1 MA's), (53, 35144), (58, 35096), (62, 35060),

Gene: Graduation_52 Start: 37668, Stop: 37486, Start Num: 47

Candidate Starts for Graduation_52:

(10, 37857), (20, 37758), (21, 37749), (Start: 47 @37668 has 216 MA's), (Start: 52 @37638 has 1 MA's), (53, 37623), (54, 37608), (62, 37539), (63, 37533),

Gene: Gratitude_53 Start: 36374, Stop: 36192, Start Num: 39

Candidate Starts for Gratitude_53:

(Start: 39 @36374 has 67 MA's), (Start: 52 @36341 has 1 MA's), (53, 36326), (58, 36281), (59, 36278), (62, 36245),

Gene: GrecoEtereo_49 Start: 35900, Stop: 35718, Start Num: 47

Candidate Starts for GrecoEtereo_49:

(10, 36089), (20, 35990), (21, 35981), (Start: 47 @35900 has 216 MA's), (Start: 52 @35870 has 1 MA's), (53, 35855), (54, 35840), (62, 35771), (63, 35765),

Gene: GreedyLawyer_54 Start: 34993, Stop: 34811, Start Num: 45

Candidate Starts for GreedyLawyer_54:

(Start: 45 @34993 has 115 MA's), (53, 34945), (55, 34927), (58, 34897), (62, 34861),

Gene: Greg_50 Start: 36092, Stop: 35910, Start Num: 47

Candidate Starts for Greg_50:

(10, 36281), (20, 36182), (21, 36173), (Start: 47 @36092 has 216 MA's), (Start: 52 @36062 has 1 MA's), (53, 36047), (54, 36032), (62, 35963), (63, 35957),

Gene: Grif_55 Start: 36184, Stop: 35978, Start Num: 40

Candidate Starts for Grif_55:

(21, 36244), (Start: 40 @36184 has 116 MA's), (Start: 52 @36145 has 1 MA's), (53, 36130), (58, 36082),

Gene: GroundGoblin_49 Start: 36469, Stop: 36287, Start Num: 47

Candidate Starts for GroundGoblin_49:

(10, 36658), (20, 36559), (21, 36550), (Start: 36 @36493 has 2 MA's), (Start: 47 @36469 has 216 MA's), (Start: 52 @36439 has 1 MA's), (53, 36424), (54, 36409), (62, 36340), (63, 36334),

Gene: Groundhog_48 Start: 34257, Stop: 34096, Start Num: 45

Candidate Starts for Groundhog_48:

(Start: 45 @34257 has 115 MA's), (Start: 52 @34224 has 1 MA's), (55, 34191), (58, 34161), (62, 34125),

Gene: Groupthink_56 Start: 35999, Stop: 35793, Start Num: 40

Candidate Starts for Groupthink_56:

(Start: 40 @35999 has 116 MA's), (Start: 52 @35960 has 1 MA's), (53, 35945), (58, 35897), (59, 35894), (62, 35861),

Gene: Grub_55 Start: 36101, Stop: 35895, Start Num: 40

Candidate Starts for Grub_55:

(21, 36161), (Start: 40 @36101 has 116 MA's), (Start: 52 @36062 has 1 MA's), (53, 36047), (58, 35999),

Gene: Grum1_55 Start: 36109, Stop: 35903, Start Num: 40

Candidate Starts for Grum1_55:

(21, 36169), (Start: 40 @36109 has 116 MA's), (Start: 52 @36070 has 1 MA's), (53, 36055), (58, 36007),

Gene: Gruunaga_55 Start: 35380, Stop: 35198, Start Num: 45

Candidate Starts for Gruunaga_55:

(Start: 45 @35380 has 115 MA's), (53, 35332), (56, 35305), (58, 35284), (62, 35248),

Gene: GtownJaz_55 Start: 36111, Stop: 35905, Start Num: 40

Candidate Starts for GtownJaz_55:

(21, 36171), (Start: 40 @36111 has 116 MA's), (Start: 52 @36072 has 1 MA's), (53, 36057), (58, 36009),

Gene: Gwendoluna_52 Start: 38104, Stop: 37922, Start Num: 47

Candidate Starts for Gwendoluna_52:

(10, 38293), (20, 38194), (21, 38185), (Start: 36 @38128 has 2 MA's), (Start: 47 @38104 has 216 MA's), (Start: 52 @38074 has 1 MA's), (53, 38059), (54, 38044), (62, 37975), (63, 37969),

Gene: Gwennie_54 Start: 36113, Stop: 35907, Start Num: 40

Candidate Starts for Gwennie_54:

(21, 36173), (Start: 40 @36113 has 116 MA's), (Start: 52 @36074 has 1 MA's), (53, 36059), (58, 36011),

Gene: Gyzlar_44 Start: 33814, Stop: 33632, Start Num: 47

Candidate Starts for Gyzlar_44:

(10, 34003), (20, 33904), (21, 33895), (Start: 47 @33814 has 216 MA's), (Start: 52 @33784 has 1 MA's), (53, 33769), (54, 33754), (62, 33685), (63, 33679),

Gene: Hami1_42 Start: 30195, Stop: 30013, Start Num: 47

Candidate Starts for Hami1_42:

(10, 30384), (20, 30285), (21, 30276), (Start: 36 @30219 has 2 MA's), (Start: 47 @30195 has 216 MA's), (Start: 52 @30165 has 1 MA's), (53, 30150), (54, 30135), (62, 30066), (63, 30060),

Gene: Hammer_55 Start: 34963, Stop: 34781, Start Num: 45

Candidate Starts for Hammer_55:

(Start: 45 @34963 has 115 MA's), (53, 34915), (56, 34888), (58, 34867), (62, 34831),

Gene: HanShotFirst_48 Start: 35292, Stop: 35086, Start Num: 47

Candidate Starts for HanShotFirst_48:

(10, 35481), (20, 35382), (21, 35373), (Start: 47 @35292 has 216 MA's), (Start: 52 @35262 has 1 MA's), (53, 35247), (54, 35232), (62, 35163), (63, 35157),

Gene: Hanray_51 Start: 36161, Stop: 35898, Start Num: 41

Candidate Starts for Hanray_51:

(Start: 41 @36161 has 57 MA's), (Start: 52 @36122 has 1 MA's), (53, 36107), (58, 36059), (59, 36056), (62, 36023), (74, 35954), (79, 35936),

Gene: Harlequin_41 Start: 32023, Stop: 31868, Start Num: 44

Candidate Starts for Harlequin_41:

(Start: 44 @32023 has 60 MA's), (53, 31975), (56, 31948), (62, 31891),

Gene: HarryHoudini_54 Start: 36560, Stop: 36378, Start Num: 39

Candidate Starts for HarryHoudini_54:

(Start: 39 @36560 has 67 MA's), (Start: 52 @36527 has 1 MA's), (53, 36512), (58, 36467), (59, 36464), (62, 36431),

Gene: HarryOW_47 Start: 35072, Stop: 34890, Start Num: 47

Candidate Starts for HarryOW_47:

(10, 35261), (20, 35162), (21, 35153), (Start: 47 @35072 has 216 MA's), (Start: 52 @35042 has 1 MA's), (53, 35027), (54, 35012), (62, 34943), (63, 34937),

Gene: HashRod_56 Start: 36137, Stop: 35931, Start Num: 40

Candidate Starts for HashRod_56:

(Start: 40 @36137 has 116 MA's), (Start: 52 @36098 has 1 MA's), (53, 36083), (58, 36035), (59, 36032), (62, 35999),

Gene: HaveUMetTed_56 Start: 35984, Stop: 35778, Start Num: 40

Candidate Starts for HaveUMetTed_56:

(Start: 40 @35984 has 116 MA's), (Start: 52 @35945 has 1 MA's), (53, 35930), (58, 35882), (62, 35846),

Gene: Heathen_52 Start: 35624, Stop: 35427, Start Num: 41

Candidate Starts for Heathen_52:

(Start: 41 @35624 has 57 MA's), (Start: 52 @35585 has 1 MA's), (58, 35522), (59, 35519), (62, 35486), (69, 35444),

Gene: Heffalump_52 Start: 36876, Stop: 36697, Start Num: 39

Candidate Starts for Heffalump_52:

(Start: 36 @36882 has 2 MA's), (Start: 39 @36876 has 67 MA's), (50, 36864), (Start: 52 @36843 has 1 MA's), (53, 36828), (54, 36813), (58, 36783),

Gene: HelDan_52 Start: 35840, Stop: 35643, Start Num: 41

Candidate Starts for HelDan_52:

(Start: 41 @35840 has 57 MA's), (Start: 52 @35801 has 1 MA's), (58, 35738), (59, 35735), (62, 35702), (69, 35660),

Gene: Heliosoles_54 Start: 36002, Stop: 35796, Start Num: 40

Candidate Starts for Heliosoles_54:

(Start: 40 @36002 has 116 MA's), (Start: 52 @35963 has 1 MA's), (53, 35948), (58, 35900), (59, 35897), (62, 35864),

Gene: Helmet_57 Start: 35456, Stop: 35274, Start Num: 45

Candidate Starts for Helmet_57:

(Start: 45 @35456 has 115 MA's), (53, 35408), (56, 35381), (58, 35360), (62, 35324),

Gene: Herbertwm_52 Start: 35802, Stop: 35620, Start Num: 45

Candidate Starts for Herbertwm_52:

(Start: 45 @35802 has 115 MA's), (Start: 52 @35769 has 1 MA's), (53, 35754), (54, 35739), (58, 35706), (62, 35670),

Gene: Hercules11_55 Start: 36118, Stop: 35912, Start Num: 40

Candidate Starts for Hercules11_55:

(21, 36178), (Start: 40 @36118 has 116 MA's), (Start: 52 @36079 has 1 MA's), (53, 36064), (58, 36016),

Gene: Hermia_49 Start: 36519, Stop: 36337, Start Num: 47

Candidate Starts for Hermia_49:

(10, 36708), (20, 36609), (21, 36600), (Start: 36 @36543 has 2 MA's), (Start: 47 @36519 has 216 MA's), (Start: 52 @36489 has 1 MA's), (53, 36474), (54, 36459), (62, 36390), (63, 36384),

Gene: HermioneGrange_48 Start: 35887, Stop: 35705, Start Num: 47

Candidate Starts for HermioneGrange_48:

(10, 36076), (20, 35977), (21, 35968), (Start: 36 @35911 has 2 MA's), (Start: 47 @35887 has 216 MA's), (Start: 52 @35857 has 1 MA's), (53, 35842), (54, 35827), (62, 35758), (63, 35752),

Gene: Hexamo_55 Start: 35086, Stop: 34904, Start Num: 45

Candidate Starts for Hexamo_55:

(Start: 45 @35086 has 115 MA's), (53, 35038), (56, 35011), (58, 34990), (62, 34954),

Gene: HippoHollow_53 Start: 37639, Stop: 37457, Start Num: 35

Candidate Starts for HippoHollow_53:

(15, 37759), (22, 37687), (Start: 35 @37639 has 16 MA's), (50, 37627), (Start: 52 @37606 has 1 MA's), (53, 37591), (54, 37576), (58, 37546), (59, 37543),

Gene: Hiro_42 Start: 32499, Stop: 32344, Start Num: 44

Candidate Starts for Hiro_42:

(Start: 44 @32499 has 60 MA's), (53, 32451), (56, 32424), (62, 32367),

Gene: Horex_52 Start: 36177, Stop: 35914, Start Num: 41

Candidate Starts for Horex_52:

(Start: 41 @36177 has 57 MA's), (Start: 52 @36138 has 1 MA's), (53, 36123), (58, 36075), (59, 36072), (62, 36039), (74, 35970), (79, 35952),

Gene: Homines_41 Start: 32091, Stop: 31909, Start Num: 47

Candidate Starts for Homines_41:

(10, 32280), (20, 32181), (21, 32172), (Start: 47 @32091 has 216 MA's), (Start: 52 @32061 has 1 MA's), (53, 32046), (54, 32031), (62, 31962),

Gene: Hookmount_51 Start: 35914, Stop: 35708, Start Num: 40

Candidate Starts for Hookmount_51:

(Start: 38 @35917 has 2 MA's), (Start: 40 @35914 has 116 MA's), (50, 35896), (Start: 52 @35875 has 1 MA's), (58, 35812), (62, 35776),

Gene: Hoot_49 Start: 32844, Stop: 32662, Start Num: 45

Candidate Starts for Hoot_49:

(Start: 45 @32844 has 115 MA's), (53, 32796), (55, 32778), (58, 32748), (62, 32712),

Gene: Hope4ever_51 Start: 36704, Stop: 36522, Start Num: 47

Candidate Starts for Hope4ever_51:

(20, 36794), (21, 36785), (Start: 47 @36704 has 216 MA's), (Start: 52 @36674 has 1 MA's), (53, 36659), (54, 36644), (62, 36575),

Gene: HortumSL17_53 Start: 36108, Stop: 35845, Start Num: 41

Candidate Starts for HortumSL17_53:

(Start: 41 @36108 has 57 MA's), (Start: 52 @36069 has 1 MA's), (53, 36054), (58, 36006), (62, 35970), (74, 35901), (79, 35883),

Gene: HuhtaEnerson15_45 Start: 34820, Stop: 34650, Start Num: 45

Candidate Starts for HuhtaEnerson15_45:

(Start: 45 @34820 has 115 MA's), (Start: 52 @34787 has 1 MA's), (53, 34772), (55, 34754), (58, 34724), (59, 34721), (62, 34688),

Gene: Hutc2_52 Start: 35064, Stop: 34840, Start Num: 37

Candidate Starts for Hutc2_52:

(Start: 37 @35064 has 26 MA's), (50, 35046), (58, 34965), (59, 34962), (62, 34929), (72, 34869), (74, 34860),

Gene: ILeeKay_52 Start: 36681, Stop: 36499, Start Num: 47

Candidate Starts for ILeeKay_52:

(10, 36870), (20, 36771), (21, 36762), (Start: 47 @36681 has 216 MA's), (Start: 52 @36651 has 1 MA's), (53, 36636), (54, 36621), (62, 36552), (63, 36546),

Gene: Ichabod_51 Start: 36310, Stop: 36104, Start Num: 47

Candidate Starts for Ichabod_51:

(10, 36499), (20, 36400), (21, 36391), (Start: 36 @36334 has 2 MA's), (Start: 47 @36310 has 216 MA's), (Start: 52 @36280 has 1 MA's), (53, 36265), (54, 36250), (62, 36181), (63, 36175),

Gene: Idleandcovert_53 Start: 35963, Stop: 35766, Start Num: 41

Candidate Starts for Idleandcovert_53:

(Start: 41 @35963 has 57 MA's), (Start: 52 @35924 has 1 MA's), (58, 35861), (62, 35825), (69, 35783),

Gene: IgnatiusPatJac_49 Start: 36307, Stop: 36125, Start Num: 47

Candidate Starts for IgnatiusPatJac_49:

(10, 36496), (20, 36397), (21, 36388), (Start: 36 @36331 has 2 MA's), (Start: 47 @36307 has 216 MA's), (Start: 52 @36277 has 1 MA's), (53, 36262), (54, 36247), (62, 36178),

Gene: Indra_58 Start: 35457, Stop: 35275, Start Num: 45

Candidate Starts for Indra_58:

(Start: 45 @35457 has 115 MA's), (53, 35409), (56, 35382), (58, 35361), (62, 35325),

Gene: Insomnia_53 Start: 35575, Stop: 35351, Start Num: 37

Candidate Starts for Insomnia_53:

(Start: 37 @35575 has 26 MA's), (50, 35557), (58, 35476), (59, 35473), (62, 35440), (72, 35380), (74, 35371),

Gene: Inyanga_45 Start: 34541, Stop: 34359, Start Num: 47

Candidate Starts for Inyanga_45:

(10, 34730), (20, 34631), (21, 34622), (Start: 47 @34541 has 216 MA's), (Start: 52 @34511 has 1 MA's), (53, 34496), (54, 34481), (62, 34412), (63, 34406),

Gene: Iqorha_45 Start: 34540, Stop: 34358, Start Num: 47

Candidate Starts for Iqorha_45:

(10, 34729), (20, 34630), (21, 34621), (Start: 47 @34540 has 216 MA's), (Start: 52 @34510 has 1 MA's), (53, 34495), (54, 34480), (62, 34411), (63, 34405),

Gene: IronMan_53 Start: 37223, Stop: 37050, Start Num: 35

Candidate Starts for IronMan_53:

(Start: 35 @37223 has 16 MA's), (Start: 37 @37220 has 26 MA's), (50, 37211), (53, 37178), (58, 37130), (59, 37127), (62, 37094),

Gene: Isca_51 Start: 35406, Stop: 35209, Start Num: 41

Candidate Starts for Isca_51:

(Start: 41 @35406 has 57 MA's), (Start: 52 @35367 has 1 MA's), (57, 35313), (62, 35268), (69, 35226),

Gene: Isiphiwo_52 Start: 34569, Stop: 34387, Start Num: 45

Candidate Starts for Isiphiwo_52:

(Start: 45 @34569 has 115 MA's), (53, 34521), (55, 34503), (58, 34473), (62, 34437),

Gene: Iwokeuplikedis_56 Start: 36186, Stop: 36007, Start Num: 39

Candidate Starts for Iwokeuplikedis_56:

(Start: 39 @36186 has 67 MA's), (Start: 52 @36153 has 1 MA's), (53, 36138), (58, 36093), (59, 36090), (62, 36057),

Gene: JC27_50 Start: 36348, Stop: 36166, Start Num: 47

Candidate Starts for JC27_50:

(10, 36537), (20, 36438), (21, 36429), (Start: 47 @36348 has 216 MA's), (Start: 52 @36318 has 1 MA's), (53, 36303), (54, 36288), (62, 36219),

Gene: JF2_50 Start: 34107, Stop: 33910, Start Num: 41

Candidate Starts for JF2_50:

(Start: 41 @34107 has 57 MA's), (Start: 52 @34068 has 1 MA's), (57, 34014), (62, 33969), (69, 33927),

Gene: JF4_50 Start: 34107, Stop: 33910, Start Num: 41

Candidate Starts for JF4_50:

(Start: 41 @34107 has 57 MA's), (Start: 52 @34068 has 1 MA's), (57, 34014), (62, 33969), (69, 33927),

Gene: JHC117_55 Start: 36108, Stop: 35902, Start Num: 40

Candidate Starts for JHC117_55:

(21, 36168), (Start: 40 @36108 has 116 MA's), (Start: 52 @36069 has 1 MA's), (53, 36054), (58, 36006),

Gene: JSwag_58 Start: 35075, Stop: 34893, Start Num: 44

Candidate Starts for JSwag_58:

(Start: 44 @35075 has 60 MA's), (Start: 52 @35042 has 1 MA's), (58, 34979), (59, 34976), (62, 34943), (64, 34928),

Gene: Jaan_53 Start: 37395, Stop: 37222, Start Num: 35

Candidate Starts for Jaan_53:

(17, 37491), (Start: 35 @37395 has 16 MA's), (Start: 37 @37392 has 26 MA's), (50, 37383), (53, 37350), (58, 37302), (59, 37299), (62, 37266),

Gene: Jabiru_46 Start: 34571, Stop: 34401, Start Num: 45

Candidate Starts for Jabiru_46:

(Start: 45 @34571 has 115 MA's), (Start: 52 @34538 has 1 MA's), (53, 34523), (55, 34505), (58, 34475), (59, 34472), (62, 34439), (65, 34418),

Gene: Jabith_53 Start: 35576, Stop: 35352, Start Num: 37

Candidate Starts for Jabith_53:

(Start: 37 @35576 has 26 MA's), (50, 35558), (58, 35477), (59, 35474), (62, 35441), (72, 35381), (74, 35372),

Gene: JackSparrow_49 Start: 36123, Stop: 35941, Start Num: 47

Candidate Starts for JackSparrow_49:

(10, 36312), (20, 36213), (21, 36204), (Start: 47 @36123 has 216 MA's), (Start: 52 @36093 has 1 MA's), (53, 36078), (54, 36063), (62, 35994), (63, 35988),

Gene: Jasper_50 Start: 35405, Stop: 35223, Start Num: 47

Candidate Starts for Jasper_50:

(10, 35594), (20, 35495), (21, 35486), (Start: 47 @35405 has 216 MA's), (Start: 52 @35375 has 1 MA's), (53, 35360), (54, 35345), (62, 35276), (63, 35270),

Gene: Jeeves_57 Start: 35982, Stop: 35743, Start Num: 41

Candidate Starts for Jeeves_57:

(Start: 41 @35982 has 57 MA's), (50, 35964), (51, 35955), (Start: 52 @35943 has 1 MA's), (53, 35928), (54, 35913), (58, 35880), (79, 35757),

Gene: Jeffabunny_55 Start: 35083, Stop: 34901, Start Num: 45

Candidate Starts for Jeffabunny_55:

(Start: 45 @35083 has 115 MA's), (53, 35035), (56, 35008), (58, 34987), (62, 34951),

Gene: JenCasNa_56 Start: 36109, Stop: 35903, Start Num: 40

Candidate Starts for JenCasNa_56:

(21, 36169), (Start: 40 @36109 has 116 MA's), (Start: 52 @36070 has 1 MA's), (53, 36055), (58, 36007),

Gene: JeppNRM_56 Start: 36000, Stop: 35794, Start Num: 40

Candidate Starts for JeppNRM_56:

(Start: 40 @36000 has 116 MA's), (Start: 52 @35961 has 1 MA's), (53, 35946), (58, 35898), (59, 35895), (62, 35862),

Gene: Jerm_55 Start: 36643, Stop: 36461, Start Num: 39

Candidate Starts for Jerm_55:

(Start: 36 @36649 has 2 MA's), (Start: 39 @36643 has 67 MA's), (50, 36631), (Start: 52 @36610 has 1 MA's), (53, 36595), (54, 36580), (58, 36550),

Gene: Jerm2_49 Start: 36142, Stop: 35960, Start Num: 47

Candidate Starts for Jerm2_49:

(10, 36331), (20, 36232), (21, 36223), (Start: 36 @36166 has 2 MA's), (Start: 47 @36142 has 216 MA's), (Start: 52 @36112 has 1 MA's), (53, 36097), (54, 36082), (62, 36013), (63, 36007),

Gene: Jester_41 Start: 31954, Stop: 31799, Start Num: 44

Candidate Starts for Jester_41:

(Start: 44 @31954 has 60 MA's), (53, 31906), (56, 31879), (62, 31822),

Gene: JewelBug_55 Start: 35199, Stop: 35017, Start Num: 45

Candidate Starts for JewelBug_55:

(Start: 45 @35199 has 115 MA's), (53, 35151), (55, 35133), (58, 35103), (62, 35067),

Gene: Jiawan_51 Start: 36193, Stop: 35930, Start Num: 41

Candidate Starts for Jiawan_51:

(Start: 41 @36193 has 57 MA's), (Start: 52 @36154 has 1 MA's), (53, 36139), (58, 36091), (59, 36088), (62, 36055), (74, 35986), (79, 35968),

Gene: Jobu08_54 Start: 35941, Stop: 35735, Start Num: 40

Candidate Starts for Jobu08_54:

(Start: 40 @35941 has 116 MA's), (Start: 52 @35902 has 1 MA's), (53, 35887), (58, 35839),

Gene: Jordennis_54 Start: 34689, Stop: 34507, Start Num: 45

Candidate Starts for Jordennis_54:

(Start: 45 @34689 has 115 MA's), (53, 34641), (55, 34623), (58, 34593), (62, 34557),

Gene: Jorgensen_50 Start: 36048, Stop: 35866, Start Num: 47

Candidate Starts for Jorgensen_50:

(10, 36237), (20, 36138), (21, 36129), (Start: 36 @36072 has 2 MA's), (Start: 47 @36048 has 216 MA's), (Start: 52 @36018 has 1 MA's), (53, 36003), (54, 35988), (62, 35919),

Gene: Joselito_53 Start: 35524, Stop: 35300, Start Num: 37

Candidate Starts for Joselito_53:

(Start: 37 @35524 has 26 MA's), (50, 35506), (58, 35425), (59, 35422), (62, 35389), (72, 35329), (74, 35320),

Gene: JoshKayV_55 Start: 36737, Stop: 36564, Start Num: 39

Candidate Starts for JoshKayV_55:

(Start: 36 @36743 has 2 MA's), (Start: 39 @36737 has 67 MA's), (50, 36725), (Start: 52 @36704 has 1 MA's), (53, 36689), (54, 36674), (58, 36644), (62, 36608),

Gene: Journey13_47 Start: 34459, Stop: 34277, Start Num: 39

Candidate Starts for Journey13_47:

(25, 34510), (32, 34474), (Start: 39 @34459 has 67 MA's), (Start: 52 @34426 has 1 MA's), (58, 34366), (59, 34363),

Gene: Jovo_44 Start: 34850, Stop: 34680, Start Num: 45

Candidate Starts for Jovo_44:

(Start: 45 @34850 has 115 MA's), (Start: 52 @34817 has 1 MA's), (53, 34802), (55, 34784), (58, 34754), (59, 34751), (62, 34718),

Gene: Jsquared_51 Start: 35067, Stop: 34882, Start Num: 40

Candidate Starts for Jsquared_51:

(Start: 40 @35067 has 116 MA's), (Start: 52 @35034 has 1 MA's), (54, 35004), (58, 34971),

Gene: JuliaChild_49 Start: 35767, Stop: 35585, Start Num: 47

Candidate Starts for JuliaChild_49:

(10, 35956), (20, 35857), (21, 35848), (Start: 36 @35791 has 2 MA's), (Start: 47 @35767 has 216 MA's), (Start: 52 @35737 has 1 MA's), (53, 35722), (54, 35707), (62, 35638), (63, 35632),

Gene: KADY_55 Start: 36137, Stop: 35931, Start Num: 40

Candidate Starts for KADY_55:

(Start: 40 @36137 has 116 MA's), (Start: 52 @36098 has 1 MA's), (53, 36083), (58, 36035), (59, 36032), (62, 35999),

Gene: KBG_50 Start: 37088, Stop: 36906, Start Num: 47

Candidate Starts for KBG_50:

(10, 37277), (20, 37178), (21, 37169), (Start: 36 @37112 has 2 MA's), (Start: 47 @37088 has 216 MA's), (Start: 52 @37058 has 1 MA's), (53, 37043), (54, 37028), (62, 36959), (63, 36953),

Gene: KSSJEB_48 Start: 35754, Stop: 35548, Start Num: 47

Candidate Starts for KSSJEB_48:

(10, 35943), (20, 35844), (21, 35835), (Start: 36 @35778 has 2 MA's), (Start: 47 @35754 has 216 MA's), (Start: 52 @35724 has 1 MA's), (53, 35709), (54, 35694), (62, 35625), (63, 35619),

Gene: Kachowdy_52 Start: 35876, Stop: 35679, Start Num: 41

Candidate Starts for Kachowdy_52:

(Start: 41 @35876 has 57 MA's), (Start: 52 @35837 has 1 MA's), (58, 35774), (59, 35771), (62, 35738), (69, 35696),

Gene: Kalb97_56 Start: 35998, Stop: 35792, Start Num: 40

Candidate Starts for Kalb97_56:

(Start: 40 @35998 has 116 MA's), (Start: 52 @35959 has 1 MA's), (53, 35944), (58, 35896), (59, 35893), (62, 35860),

Gene: Kalnoky_56 Start: 35996, Stop: 35790, Start Num: 40

Candidate Starts for Kalnoky_56:

(Start: 40 @35996 has 116 MA's), (Start: 52 @35957 has 1 MA's), (53, 35942), (58, 35894), (59, 35891), (62, 35858),

Gene: Kalpine_51 Start: 36341, Stop: 36162, Start Num: 39

Candidate Starts for Kalpine_51:

(Start: 39 @36341 has 67 MA's), (50, 36323), (Start: 52 @36302 has 1 MA's), (54, 36272), (58, 36242),

Gene: Kanely_50 Start: 36409, Stop: 36227, Start Num: 47

Candidate Starts for Kanely_50:

(10, 36598), (20, 36499), (21, 36490), (Start: 36 @36433 has 2 MA's), (Start: 47 @36409 has 216 MA's), (Start: 52 @36379 has 1 MA's), (53, 36364), (54, 36349), (62, 36280), (63, 36274),

Gene: KatherineG_59 Start: 35548, Stop: 35366, Start Num: 44

Candidate Starts for KatherineG_59:

(Start: 44 @35548 has 60 MA's), (Start: 52 @35515 has 1 MA's), (58, 35452), (59, 35449), (62, 35416),

Gene: Kazan_55 Start: 34999, Stop: 34817, Start Num: 45

Candidate Starts for Kazan_55:

(Start: 45 @34999 has 115 MA's), (53, 34951), (55, 34933), (58, 34903), (62, 34867),

Gene: Kenmech_52 Start: 37105, Stop: 36923, Start Num: 47

Candidate Starts for Kenmech_52:

(10, 37294), (20, 37195), (21, 37186), (Start: 36 @37129 has 2 MA's), (Start: 47 @37105 has 216 MA's), (Start: 52 @37075 has 1 MA's), (53, 37060), (54, 37045), (62, 36976), (63, 36970),

Gene: Kerberos_55 Start: 35940, Stop: 35755, Start Num: 40

Candidate Starts for Kerberos_55:

(4, 36147), (6, 36144), (8, 36135), (Start: 40 @35940 has 116 MA's), (Start: 52 @35907 has 1 MA's), (53, 35892), (54, 35877), (58, 35844), (64, 35793),

Gene: Keziacharles14_53 Start: 37226, Stop: 36969, Start Num: 41

Candidate Starts for Keziacharles14_53:

(Start: 41 @37226 has 57 MA's), (Start: 52 @37193 has 1 MA's), (53, 37178), (58, 37130), (74, 37025), (79, 37007),

Gene: KikiBouba_49 Start: 36328, Stop: 36146, Start Num: 47

Candidate Starts for KikiBouba_49:

(10, 36517), (20, 36418), (21, 36409), (Start: 36 @36352 has 2 MA's), (Start: 47 @36328 has 216 MA's), (Start: 52 @36298 has 1 MA's), (53, 36283), (54, 36268), (62, 36199), (63, 36193),

Gene: Killigrew_48 Start: 35821, Stop: 35639, Start Num: 47

Candidate Starts for Killigrew_48:

(10, 36010), (20, 35911), (21, 35902), (Start: 36 @35845 has 2 MA's), (Start: 47 @35821 has 216 MA's), (Start: 52 @35791 has 1 MA's), (53, 35776), (54, 35761), (62, 35692), (63, 35686),

Gene: Kimba_52 Start: 35096, Stop: 34872, Start Num: 37

Candidate Starts for Kimba_52:

(Start: 37 @35096 has 26 MA's), (50, 35078), (58, 34997), (59, 34994), (62, 34961), (72, 34901), (74, 34892),

Gene: KingCyrus_55 Start: 37842, Stop: 37660, Start Num: 39

Candidate Starts for KingCyrus_55:

(Start: 36 @37848 has 2 MA's), (Start: 39 @37842 has 67 MA's), (50, 37830), (Start: 52 @37809 has 1 MA's), (53, 37794), (56, 37767), (58, 37749), (59, 37746), (62, 37713),

Gene: Kinmap_50 Start: 34460, Stop: 34254, Start Num: 46

Candidate Starts for Kinmap_50:

(46, 34460), (50, 34451), (53, 34415), (54, 34400), (58, 34367), (59, 34364), (62, 34331), (72, 34271), (74, 34262),

Gene: Kipper29_54 Start: 35012, Stop: 34830, Start Num: 45

Candidate Starts for Kipper29_54:

(Start: 45 @35012 has 115 MA's), (53, 34964), (55, 34946), (58, 34916), (62, 34880),

Gene: KittenMittens_47 Start: 34604, Stop: 34404, Start Num: 45

Candidate Starts for KittenMittens_47:

(2, 34877), (3, 34844), (Start: 45 @34604 has 115 MA's), (Start: 52 @34571 has 1 MA's), (53, 34556), (58, 34508), (62, 34472),

Gene: Klodlith_52 Start: 35675, Stop: 35436, Start Num: 41

Candidate Starts for Klodlith_52:

(18, 35786), (Start: 41 @35675 has 57 MA's), (49, 35666), (53, 35630), (54, 35615), (58, 35582), (72, 35486), (78, 35462),

Gene: Koduck_54 Start: 35352, Stop: 35167, Start Num: 40

Candidate Starts for Koduck_54:

(11, 35520), (16, 35466), (25, 35403), (Start: 40 @35352 has 116 MA's), (Start: 52 @35319 has 1 MA's), (54, 35289), (58, 35256),

Gene: Koko_56 Start: 35517, Stop: 35335, Start Num: 45

Candidate Starts for Koko_56:

(Start: 45 @35517 has 115 MA's), (53, 35469), (56, 35442), (58, 35421), (62, 35385),

Gene: Krishelle_42 Start: 32599, Stop: 32444, Start Num: 44

Candidate Starts for Krishelle_42:

(Start: 44 @32599 has 60 MA's), (53, 32551), (56, 32524), (62, 32467),

Gene: Kristoff_50 Start: 35746, Stop: 35546, Start Num: 45

Candidate Starts for Kristoff_50:

(7, 35950), (Start: 45 @35746 has 115 MA's), (Start: 52 @35713 has 1 MA's), (53, 35698), (58, 35650), (62, 35614),

Gene: Kugel_49 Start: 36062, Stop: 35880, Start Num: 47

Candidate Starts for Kugel_49:

(10, 36251), (20, 36152), (21, 36143), (Start: 47 @36062 has 216 MA's), (Start: 52 @36032 has 1 MA's), (53, 36017), (54, 36002), (62, 35933), (63, 35927),

Gene: KyMonks1A_50 Start: 35961, Stop: 35779, Start Num: 47

Candidate Starts for KyMonks1A_50:

(10, 36150), (20, 36051), (21, 36042), (Start: 36 @35985 has 2 MA's), (Start: 47 @35961 has 216 MA's), (Start: 52 @35931 has 1 MA's), (53, 35916), (54, 35901), (62, 35832), (63, 35826),

Gene: Kykar_48 Start: 35744, Stop: 35562, Start Num: 47

Candidate Starts for Kykar_48:

(10, 35933), (20, 35834), (21, 35825), (Start: 47 @35744 has 216 MA's), (Start: 52 @35714 has 1 MA's), (53, 35699), (54, 35684), (62, 35615), (63, 35609),

Gene: L5_52 Start: 35427, Stop: 35242, Start Num: 40

Candidate Starts for L5_52:

(11, 35595), (16, 35541), (25, 35478), (Start: 40 @35427 has 116 MA's), (Start: 52 @35394 has 1 MA's), (54, 35364), (58, 35331),

Gene: LBerry_56 Start: 36113, Stop: 35907, Start Num: 40

Candidate Starts for LBerry_56:

(21, 36173), (Start: 40 @36113 has 116 MA's), (Start: 52 @36074 has 1 MA's), (53, 36059), (58, 36011),

Gene: LadyBird_58 Start: 36975, Stop: 36793, Start Num: 35

Candidate Starts for LadyBird_58:

(15, 37095), (Start: 35 @36975 has 16 MA's), (50, 36963), (Start: 52 @36942 has 1 MA's), (58, 36882), (59, 36879), (63, 36840),

Gene: Lambert1_51 Start: 35913, Stop: 35707, Start Num: 40

Candidate Starts for Lambert1_51:

(Start: 38 @35916 has 2 MA's), (Start: 40 @35913 has 116 MA's), (50, 35895), (Start: 52 @35874 has 1 MA's), (58, 35811), (62, 35775),

Gene: Lamina13_49 Start: 35715, Stop: 35533, Start Num: 47

Candidate Starts for Lamina13_49:

(10, 35904), (20, 35805), (21, 35796), (Start: 36 @35739 has 2 MA's), (Start: 47 @35715 has 216 MA's), (Start: 52 @35685 has 1 MA's), (53, 35670), (54, 35655), (62, 35586),

Gene: Landor_53 Start: 37298, Stop: 37128, Start Num: 37

Candidate Starts for Landor_53:

(17, 37397), (Start: 35 @37301 has 16 MA's), (Start: 37 @37298 has 26 MA's), (50, 37289), (53, 37256), (58, 37208), (59, 37205), (62, 37172),

Gene: Larenn_52 Start: 36234, Stop: 36055, Start Num: 39

Candidate Starts for Larenn_52:

(32, 36249), (Start: 39 @36234 has 67 MA's), (Start: 52 @36201 has 1 MA's), (53, 36186), (58, 36141),

Gene: LarryKay_55 Start: 36139, Stop: 35933, Start Num: 40

Candidate Starts for LarryKay_55:

(Start: 40 @36139 has 116 MA's), (Start: 52 @36100 has 1 MA's), (53, 36085), (58, 36037), (59, 36034), (62, 36001),

Gene: LastResort_57 Start: 35127, Stop: 34945, Start Num: 44

Candidate Starts for LastResort_57:

(Start: 44 @35127 has 60 MA's), (Start: 52 @35094 has 1 MA's), (58, 35031), (59, 35028), (62, 34995), (64, 34980),

Gene: Leogania_53 Start: 37282, Stop: 37100, Start Num: 39

Candidate Starts for Leogania_53:

(32, 37297), (Start: 39 @37282 has 67 MA's), (Start: 52 @37249 has 1 MA's), (53, 37234), (56, 37207), (58, 37189), (59, 37186), (62, 37153),

Gene: Lesedi_45 Start: 34939, Stop: 34757, Start Num: 47

Candidate Starts for Lesedi_45:

(10, 35128), (20, 35029), (21, 35020), (Start: 36 @34963 has 2 MA's), (Start: 47 @34939 has 216 MA's), (Start: 52 @34909 has 1 MA's), (53, 34894), (54, 34879), (62, 34810), (63, 34804),

Gene: Lev2_44 Start: 34482, Stop: 34312, Start Num: 45

Candidate Starts for Lev2_44:

(Start: 45 @34482 has 115 MA's), (Start: 52 @34449 has 1 MA's), (53, 34434), (55, 34416), (58, 34386), (59, 34383), (62, 34350),

Gene: Levia_46 Start: 35758, Stop: 35576, Start Num: 47

Candidate Starts for Levia_46:

(10, 35947), (20, 35848), (21, 35839), (Start: 36 @35782 has 2 MA's), (Start: 47 @35758 has 216 MA's), (Start: 52 @35728 has 1 MA's), (53, 35713), (54, 35698), (62, 35629),

Gene: Leviathan_55 Start: 36700, Stop: 36518, Start Num: 39

Candidate Starts for Leviathan_55:

(Start: 36 @36706 has 2 MA's), (Start: 39 @36700 has 67 MA's), (50, 36688), (Start: 52 @36667 has 1 MA's), (53, 36652), (54, 36637), (58, 36607),

Gene: Licorice_51 Start: 37178, Stop: 36996, Start Num: 47

Candidate Starts for Licorice_51:

(10, 37367), (20, 37268), (21, 37259), (Start: 47 @37178 has 216 MA's), (Start: 52 @37148 has 1 MA's), (53, 37133), (54, 37118), (62, 37049), (63, 37043),

Gene: LilBib_48 Start: 36236, Stop: 36054, Start Num: 47

Candidate Starts for LilBib_48:

(10, 36425), (20, 36326), (21, 36317), (Start: 47 @36236 has 216 MA's), (Start: 52 @36206 has 1 MA's), (53, 36191), (54, 36176), (62, 36107), (63, 36101),

Gene: LilTurb_54 Start: 36524, Stop: 36342, Start Num: 39

Candidate Starts for LilTurb_54:

(Start: 36 @36530 has 2 MA's), (Start: 39 @36524 has 67 MA's), (50, 36512), (Start: 52 @36491 has 1 MA's), (53, 36476), (54, 36461), (58, 36431),

Gene: Lilbunny_54 Start: 35087, Stop: 34905, Start Num: 45

Candidate Starts for Lilbunny_54:

(Start: 45 @35087 has 115 MA's), (53, 35039), (56, 35012), (58, 34991), (62, 34955),

Gene: Lilith_56 Start: 36102, Stop: 35896, Start Num: 40

Candidate Starts for Lilith_56:

(21, 36162), (Start: 40 @36102 has 116 MA's), (Start: 52 @36063 has 1 MA's), (53, 36048), (58, 36000),

Gene: Lilleskat_51 Start: 36110, Stop: 35847, Start Num: 41

Candidate Starts for Lilleskat_51:

(Start: 41 @36110 has 57 MA's), (Start: 52 @36071 has 1 MA's), (53, 36056), (58, 36008), (59, 36005), (62, 35972), (74, 35903), (79, 35885),

Gene: Lillie_42 Start: 32239, Stop: 32084, Start Num: 44

Candidate Starts for Lillie_42:

(Start: 44 @32239 has 60 MA's), (53, 32191), (56, 32164), (62, 32107),

Gene: LionsBait_55 Start: 37640, Stop: 37458, Start Num: 35

Candidate Starts for LionsBait_55:

(15, 37760), (22, 37688), (Start: 35 @37640 has 16 MA's), (50, 37628), (Start: 52 @37607 has 1 MA's), (53, 37592), (54, 37577), (58, 37547), (59, 37544),

Gene: LittleCherry_45 Start: 34840, Stop: 34670, Start Num: 45

Candidate Starts for LittleCherry_45:

(Start: 45 @34840 has 115 MA's), (Start: 52 @34807 has 1 MA's), (53, 34792), (55, 34774), (58, 34744), (59, 34741), (62, 34708),

Gene: Lockley_47 Start: 35463, Stop: 35281, Start Num: 47

Candidate Starts for Lockley_47:

(10, 35652), (20, 35553), (21, 35544), (Start: 36 @35487 has 2 MA's), (Start: 47 @35463 has 216 MA's), (Start: 52 @35433 has 1 MA's), (53, 35418), (54, 35403), (62, 35334), (63, 35328),

Gene: Lokk_50 Start: 35467, Stop: 35285, Start Num: 35

Candidate Starts for Lökk_50:

(15, 35587), (Start: 35 @35467 has 16 MA's), (50, 35455), (Start: 52 @35434 has 1 MA's), (53, 35419), (54, 35404), (58, 35374), (59, 35371),

Gene: LoneWolf_54 Start: 36139, Stop: 35885, Start Num: 41

Candidate Starts for LoneWolf_54:

(Start: 41 @36139 has 57 MA's), (49, 36130), (53, 36094), (58, 36046), (62, 36010), (77, 35929), (79, 35923),

Gene: Looper_58 Start: 35039, Stop: 34857, Start Num: 44

Candidate Starts for Looper_58:

(Start: 44 @35039 has 60 MA's), (Start: 52 @35006 has 1 MA's), (58, 34943), (59, 34940), (62, 34907),

Gene: Lopton_49 Start: 37063, Stop: 36881, Start Num: 47

Candidate Starts for Lopton_49:

(10, 37252), (20, 37153), (21, 37144), (Start: 36 @37087 has 2 MA's), (Start: 47 @37063 has 216 MA's), (Start: 52 @37033 has 1 MA's), (53, 37018), (54, 37003), (62, 36934), (63, 36928),

Gene: Loser_55 Start: 37094, Stop: 36915, Start Num: 39

Candidate Starts for Loser_55:

(Start: 39 @37094 has 67 MA's), (50, 37076), (Start: 52 @37055 has 1 MA's), (54, 37025), (58, 36995), (59, 36992), (62, 36959),

Gene: Louie6_54 Start: 36138, Stop: 35932, Start Num: 40

Candidate Starts for Louie6_54:

(Start: 40 @36138 has 116 MA's), (Start: 52 @36099 has 1 MA's), (53, 36084), (58, 36036), (59, 36033), (62, 36000),

Gene: Lowa_55 Start: 36101, Stop: 35895, Start Num: 40

Candidate Starts for Lowa_55:

(21, 36161), (Start: 40 @36101 has 116 MA's), (Start: 52 @36062 has 1 MA's), (53, 36047), (58, 35999),

Gene: Luchador_57 Start: 37767, Stop: 37528, Start Num: 41

Candidate Starts for Luchador_57:

(Start: 41 @37767 has 57 MA's), (50, 37749), (51, 37740), (Start: 52 @37728 has 1 MA's), (53, 37713), (54, 37698), (58, 37665), (79, 37542),

Gene: Lucivia_53 Start: 35573, Stop: 35349, Start Num: 37

Candidate Starts for Lucivia_53:

(Start: 37 @35573 has 26 MA's), (50, 35555), (58, 35474), (59, 35471), (62, 35438), (72, 35378), (74, 35369),

Gene: Lucyedi_54 Start: 35945, Stop: 35724, Start Num: 33

Candidate Starts for Lucyedi_54:

(Start: 33 @35945 has 3 MA's), (49, 35924), (Start: 52 @35900 has 1 MA's), (54, 35870), (58, 35837), (59, 35834), (62, 35801),

Gene: LugYA_58 Start: 36110, Stop: 35904, Start Num: 40

Candidate Starts for LugYA_58:

(21, 36170), (Start: 40 @36110 has 116 MA's), (Start: 52 @36071 has 1 MA's), (53, 36056), (58, 36008),

Gene: LunarLander_50 Start: 36241, Stop: 36035, Start Num: 47
Candidate Starts for LunarLander_50:
(10, 36430), (20, 36331), (21, 36322), (Start: 36 @36265 has 2 MA's), (Start: 47 @36241 has 216 MA's), (Start: 52 @36211 has 1 MA's), (53, 36196), (54, 36181), (62, 36112), (63, 36106),

Gene: MA5_52 Start: 35292, Stop: 35095, Start Num: 41
Candidate Starts for MA5_52:
(Start: 41 @35292 has 57 MA's), (Start: 52 @35253 has 1 MA's), (57, 35199), (59, 35187), (62, 35154), (69, 35112),

Gene: MK4_52 Start: 35391, Stop: 35194, Start Num: 41
Candidate Starts for MK4_52:
(Start: 41 @35391 has 57 MA's), (Start: 52 @35352 has 1 MA's), (57, 35298), (62, 35253), (69, 35211),

Gene: MPlant7149_47 Start: 35005, Stop: 34823, Start Num: 47
Candidate Starts for MPlant7149_47:
(10, 35194), (20, 35095), (21, 35086), (Start: 36 @35029 has 2 MA's), (Start: 47 @35005 has 216 MA's), (Start: 52 @34975 has 1 MA's), (53, 34960), (54, 34945), (62, 34876), (63, 34870),

Gene: MaCh_53 Start: 35503, Stop: 35279, Start Num: 37
Candidate Starts for MaCh_53:
(Start: 37 @35503 has 26 MA's), (50, 35485), (58, 35404), (59, 35401), (62, 35368), (72, 35308), (74, 35299),

Gene: Mabel_52 Start: 35105, Stop: 34881, Start Num: 37
Candidate Starts for Mabel_52:
(Start: 37 @35105 has 26 MA's), (50, 35087), (58, 35006), (59, 35003), (62, 34970), (72, 34910), (74, 34901),

Gene: MadMarie_55 Start: 36111, Stop: 35905, Start Num: 40
Candidate Starts for MadMarie_55:
(Start: 40 @36111 has 116 MA's), (Start: 52 @36072 has 1 MA's), (53, 36057), (58, 36009),

Gene: Magnar_48 Start: 36479, Stop: 36273, Start Num: 47
Candidate Starts for Magnar_48:
(10, 36668), (20, 36569), (21, 36560), (Start: 47 @36479 has 216 MA's), (Start: 52 @36449 has 1 MA's), (53, 36434), (54, 36419), (62, 36350), (63, 36344),

Gene: Magnito_47 Start: 35083, Stop: 34922, Start Num: 47
Candidate Starts for Magnito_47:
(10, 35272), (20, 35173), (21, 35164), (Start: 47 @35083 has 216 MA's), (Start: 52 @35053 has 1 MA's), (53, 35038), (54, 35023), (62, 34954),

Gene: Mainiac_55 Start: 36103, Stop: 35897, Start Num: 40
Candidate Starts for Mainiac_55:
(21, 36163), (Start: 40 @36103 has 116 MA's), (Start: 52 @36064 has 1 MA's), (53, 36049), (58, 36001),

Gene: MajorMajor_52 Start: 35098, Stop: 34913, Start Num: 40
Candidate Starts for MajorMajor_52:
(Start: 40 @35098 has 116 MA's), (Start: 52 @35065 has 1 MA's), (54, 35035), (58, 35002),

Gene: Makemake_48 Start: 36533, Stop: 36351, Start Num: 47

Candidate Starts for Makemake_48:

(10, 36722), (20, 36623), (21, 36614), (Start: 36 @36557 has 2 MA's), (Start: 47 @36533 has 216 MA's), (Start: 52 @36503 has 1 MA's), (53, 36488), (54, 36473), (62, 36404), (63, 36398),

Gene: Malec_53 Start: 36801, Stop: 36622, Start Num: 39

Candidate Starts for Malec_53:

(32, 36816), (Start: 39 @36801 has 67 MA's), (Start: 52 @36768 has 1 MA's), (53, 36753), (58, 36708),

Gene: Malinsilva_57 Start: 36101, Stop: 35895, Start Num: 40

Candidate Starts for Malinsilva_57:

(21, 36161), (Start: 40 @36101 has 116 MA's), (Start: 52 @36062 has 1 MA's), (53, 36047), (58, 35999),

Gene: Maminiaina_52 Start: 35903, Stop: 35640, Start Num: 41

Candidate Starts for Maminiaina_52:

(Start: 41 @35903 has 57 MA's), (Start: 52 @35864 has 1 MA's), (53, 35849), (58, 35801), (74, 35696), (79, 35678),

Gene: Manatee_50 Start: 35609, Stop: 35427, Start Num: 47

Candidate Starts for Manatee_50:

(10, 35798), (20, 35699), (21, 35690), (Start: 36 @35633 has 2 MA's), (Start: 47 @35609 has 216 MA's), (Start: 52 @35579 has 1 MA's), (53, 35564), (54, 35549), (62, 35480), (63, 35474),

Gene: Manu_55 Start: 35999, Stop: 35793, Start Num: 40

Candidate Starts for Manu_55:

(Start: 40 @35999 has 116 MA's), (Start: 52 @35960 has 1 MA's), (53, 35945), (58, 35897), (59, 35894), (62, 35861),

Gene: MarQuardt_55 Start: 36111, Stop: 35905, Start Num: 40

Candidate Starts for MarQuardt_55:

(21, 36171), (Start: 40 @36111 has 116 MA's), (Start: 52 @36072 has 1 MA's), (53, 36057), (58, 36009),

Gene: Marcell_46 Start: 35399, Stop: 35217, Start Num: 47

Candidate Starts for Marcell_46:

(10, 35588), (20, 35489), (21, 35480), (Start: 36 @35423 has 2 MA's), (Start: 47 @35399 has 216 MA's), (Start: 52 @35369 has 1 MA's), (53, 35354), (54, 35339), (62, 35270), (63, 35264),

Gene: Marchesa_52 Start: 35826, Stop: 35629, Start Num: 41

Candidate Starts for Marchesa_52:

(Start: 41 @35826 has 57 MA's), (Start: 52 @35787 has 1 MA's), (58, 35724), (59, 35721), (62, 35688), (69, 35646),

Gene: Marchy_43 Start: 32513, Stop: 32331, Start Num: 47

Candidate Starts for Marchy_43:

(10, 32702), (20, 32603), (21, 32594), (Start: 36 @32537 has 2 MA's), (Start: 47 @32513 has 216 MA's), (Start: 52 @32483 has 1 MA's), (53, 32468), (54, 32453), (62, 32384),

Gene: Marco3_51 Start: 36868, Stop: 36662, Start Num: 47

Candidate Starts for Marco3_51:

(10, 37057), (20, 36958), (21, 36949), (Start: 47 @36868 has 216 MA's), (Start: 52 @36838 has 1 MA's), (53, 36823), (54, 36808), (62, 36739), (63, 36733),

Gene: Marge_48 Start: 36210, Stop: 36028, Start Num: 47

Candidate Starts for Marge_48:

(10, 36399), (20, 36300), (21, 36291), (Start: 36 @36234 has 2 MA's), (Start: 47 @36210 has 216 MA's), (Start: 52 @36180 has 1 MA's), (53, 36165), (54, 36150), (62, 36081), (63, 36075),

Gene: Margo_51 Start: 35942, Stop: 35733, Start Num: 38

Candidate Starts for Margo_51:

(Start: 38 @35942 has 2 MA's), (Start: 40 @35939 has 116 MA's), (50, 35921), (Start: 52 @35900 has 1 MA's), (58, 35837), (62, 35801),

Gene: Marie_55 Start: 36109, Stop: 35903, Start Num: 40

Candidate Starts for Marie_55:

(21, 36169), (Start: 40 @36109 has 116 MA's), (Start: 52 @36070 has 1 MA's), (53, 36055), (58, 36007),

Gene: Marius_56 Start: 35996, Stop: 35790, Start Num: 40

Candidate Starts for Marius_56:

(Start: 40 @35996 has 116 MA's), (Start: 52 @35957 has 1 MA's), (53, 35942), (58, 35894), (59, 35891), (62, 35858),

Gene: Maroc7_46 Start: 35303, Stop: 35121, Start Num: 47

Candidate Starts for Maroc7_46:

(10, 35492), (20, 35393), (21, 35384), (Start: 36 @35327 has 2 MA's), (Start: 47 @35303 has 216 MA's), (Start: 52 @35273 has 1 MA's), (53, 35258), (54, 35243), (62, 35174), (63, 35168),

Gene: Marsha_48 Start: 36766, Stop: 36584, Start Num: 47

Candidate Starts for Marsha_48:

(10, 36955), (20, 36856), (21, 36847), (Start: 47 @36766 has 216 MA's), (Start: 52 @36736 has 1 MA's), (53, 36721), (54, 36706), (62, 36637), (63, 36631),

Gene: MaryBeth_48 Start: 35672, Stop: 35490, Start Num: 47

Candidate Starts for MaryBeth_48:

(10, 35861), (20, 35762), (21, 35753), (Start: 36 @35696 has 2 MA's), (Start: 47 @35672 has 216 MA's), (Start: 52 @35642 has 1 MA's), (53, 35627), (54, 35612), (62, 35543), (63, 35537),

Gene: MarysWell_44 Start: 34981, Stop: 34811, Start Num: 45

Candidate Starts for MarysWell_44:

(Start: 45 @34981 has 115 MA's), (Start: 52 @34948 has 1 MA's), (53, 34933), (55, 34915), (58, 34885), (61, 34852), (62, 34849),

Gene: McFly_54 Start: 34993, Stop: 34811, Start Num: 45

Candidate Starts for McFly_54:

(Start: 45 @34993 has 115 MA's), (53, 34945), (55, 34927), (58, 34897), (62, 34861),

Gene: McGuire_50 Start: 35858, Stop: 35652, Start Num: 47

Candidate Starts for McGuire_50:

(10, 36047), (20, 35948), (21, 35939), (Start: 36 @35882 has 2 MA's), (Start: 47 @35858 has 216 MA's), (Start: 52 @35828 has 1 MA's), (53, 35813), (54, 35798), (62, 35729), (63, 35723),

Gene: McSinger_49 Start: 36015, Stop: 35830, Start Num: 47

Candidate Starts for McSinger_49:

(10, 36204), (20, 36105), (21, 36096), (Start: 47 @36015 has 216 MA's), (Start: 52 @35985 has 1 MA's), (53, 35970), (54, 35955), (62, 35886),

Gene: MegTheThird_52 Start: 35751, Stop: 35497, Start Num: 41

Candidate Starts for MegTheThird_52:

(Start: 41 @35751 has 57 MA's), (53, 35706), (58, 35658), (68, 35583), (79, 35535),

Gene: MetalQZJ_47 Start: 35672, Stop: 35490, Start Num: 47

Candidate Starts for MetalQZJ_47:

(10, 35861), (20, 35762), (21, 35753), (Start: 36 @35696 has 2 MA's), (Start: 47 @35672 has 216 MA's), (Start: 52 @35642 has 1 MA's), (53, 35627), (54, 35612), (62, 35543), (63, 35537),

Gene: Methuselah_51 Start: 36133, Stop: 35927, Start Num: 40

Candidate Starts for Methuselah_51:

(Start: 40 @36133 has 116 MA's), (Start: 52 @36094 has 1 MA's), (53, 36079), (58, 36031), (59, 36028), (62, 35995),

Gene: Micasa_46 Start: 35008, Stop: 34838, Start Num: 45

Candidate Starts for Micasa_46:

(Start: 45 @35008 has 115 MA's), (Start: 52 @34975 has 1 MA's), (53, 34960), (55, 34942), (58, 34912), (59, 34909), (62, 34876),

Gene: Michley_48 Start: 35503, Stop: 35345, Start Num: 47

Candidate Starts for Michley_48:

(10, 35692), (20, 35593), (21, 35584), (Start: 47 @35503 has 216 MA's), (Start: 52 @35473 has 1 MA's), (53, 35458), (54, 35443), (62, 35374),

Gene: Microwolf_55 Start: 36125, Stop: 35919, Start Num: 40

Candidate Starts for Microwolf_55:

(21, 36185), (Start: 40 @36125 has 116 MA's), (Start: 52 @36086 has 1 MA's), (53, 36071), (58, 36023),

Gene: MiculUcigas_53 Start: 36036, Stop: 35854, Start Num: 39

Candidate Starts for MiculUcigas_53:

(Start: 39 @36036 has 67 MA's), (Start: 52 @36003 has 1 MA's), (53, 35988), (58, 35943), (59, 35940), (62, 35907),

Gene: Midas2_44 Start: 34730, Stop: 34560, Start Num: 45

Candidate Starts for Midas2_44:

(Start: 45 @34730 has 115 MA's), (Start: 52 @34697 has 1 MA's), (53, 34682), (55, 34664), (58, 34634), (62, 34598),

Gene: Miko_50 Start: 36245, Stop: 36063, Start Num: 35

Candidate Starts for Miko_50:

(Start: 35 @36245 has 16 MA's), (50, 36233), (Start: 52 @36212 has 1 MA's), (53, 36197), (54, 36182), (58, 36152), (59, 36149),

Gene: Milcery_45 Start: 34797, Stop: 34627, Start Num: 45

Candidate Starts for Milcery_45:

(Start: 45 @34797 has 115 MA's), (Start: 52 @34764 has 1 MA's), (53, 34749), (55, 34731), (58, 34701), (59, 34698), (62, 34665),

Gene: MilleFeuille_45 Start: 35773, Stop: 35588, Start Num: 47

Candidate Starts for MilleFeuille_45:

(10, 35962), (20, 35863), (21, 35854), (Start: 36 @35797 has 2 MA's), (Start: 47 @35773 has 216 MA's), (Start: 52 @35743 has 1 MA's), (53, 35728), (54, 35713), (62, 35644),

Gene: MinecraftSteve_59 Start: 35348, Stop: 35166, Start Num: 44

Candidate Starts for MinecraftSteve_59:

(Start: 44 @35348 has 60 MA's), (Start: 52 @35315 has 1 MA's), (58, 35252), (59, 35249), (62, 35216),

Gene: Minispark_52 Start: 35662, Stop: 35408, Start Num: 41

Candidate Starts for Minispark_52:

(18, 35773), (Start: 41 @35662 has 57 MA's), (49, 35653), (58, 35569), (59, 35566), (68, 35494), (79, 35446),

Gene: Misomonster_56 Start: 36136, Stop: 35930, Start Num: 40

Candidate Starts for Misomonster_56:

(Start: 40 @36136 has 116 MA's), (Start: 52 @36097 has 1 MA's), (53, 36082), (58, 36034), (59, 36031), (62, 35998),

Gene: MissWhite_52 Start: 34610, Stop: 34428, Start Num: 39

Candidate Starts for MissWhite_52:

(32, 34625), (Start: 39 @34610 has 67 MA's), (Start: 52 @34577 has 1 MA's), (56, 34535), (58, 34517), (59, 34514),

Gene: Mkhuseli_47 Start: 35075, Stop: 34893, Start Num: 47

Candidate Starts for Mkhuseli_47:

(10, 35264), (20, 35165), (21, 35156), (Start: 47 @35075 has 216 MA's), (Start: 52 @35045 has 1 MA's), (53, 35030), (54, 35015), (62, 34946), (63, 34940),

Gene: Molly_49 Start: 35079, Stop: 34894, Start Num: 47

Candidate Starts for Molly_49:

(10, 35268), (20, 35169), (21, 35160), (Start: 36 @35103 has 2 MA's), (Start: 47 @35079 has 216 MA's), (Start: 52 @35049 has 1 MA's), (53, 35034), (54, 35019), (62, 34950),

Gene: Monet_51 Start: 37202, Stop: 37020, Start Num: 47

Candidate Starts for Monet_51:

(10, 37391), (20, 37292), (21, 37283), (Start: 36 @37226 has 2 MA's), (Start: 47 @37202 has 216 MA's), (Start: 52 @37172 has 1 MA's), (53, 37157), (54, 37142), (62, 37073), (63, 37067),

Gene: MoneyMay_55 Start: 36109, Stop: 35903, Start Num: 40

Candidate Starts for MoneyMay_55:

(21, 36169), (Start: 40 @36109 has 116 MA's), (Start: 52 @36070 has 1 MA's), (53, 36055), (58, 36007),

Gene: Montavir_54 Start: 36110, Stop: 35904, Start Num: 40

Candidate Starts for Montavir_54:

(21, 36170), (Start: 40 @36110 has 116 MA's), (Start: 52 @36071 has 1 MA's), (53, 36056), (58, 36008),

Gene: Moose_48 Start: 35573, Stop: 35391, Start Num: 47

Candidate Starts for Moose_48:

(10, 35762), (20, 35663), (21, 35654), (Start: 47 @35573 has 216 MA's), (Start: 52 @35543 has 1 MA's), (53, 35528), (54, 35513), (62, 35444), (63, 35438),

Gene: MrGordo_48 Start: 35297, Stop: 35139, Start Num: 47

Candidate Starts for MrGordo_48:

(10, 35486), (20, 35387), (21, 35378), (Start: 47 @35297 has 216 MA's), (Start: 52 @35267 has 1 MA's), (53, 35252), (54, 35237), (62, 35168),

Gene: Mryolo_46 Start: 35051, Stop: 34869, Start Num: 47

Candidate Starts for Mryolo_46:

(10, 35240), (20, 35141), (21, 35132), (Start: 47 @35051 has 216 MA's), (Start: 52 @35021 has 1 MA's), (53, 35006), (54, 34991), (62, 34922), (63, 34916),

Gene: MuchMore_58 Start: 36101, Stop: 35895, Start Num: 40

Candidate Starts for MuchMore_58:

(21, 36161), (Start: 40 @36101 has 116 MA's), (Start: 52 @36062 has 1 MA's), (53, 36047), (58, 35999),

Gene: Mulciber_52 Start: 35061, Stop: 34837, Start Num: 37

Candidate Starts for Mulciber_52:

(Start: 37 @35061 has 26 MA's), (50, 35043), (58, 34962), (59, 34959), (62, 34926), (72, 34866), (74, 34857),

Gene: Mule_45 Start: 33222, Stop: 33040, Start Num: 47

Candidate Starts for Mule_45:

(10, 33411), (20, 33312), (21, 33303), (Start: 36 @33246 has 2 MA's), (Start: 47 @33222 has 216 MA's), (Start: 52 @33192 has 1 MA's), (53, 33177), (54, 33162), (62, 33093), (63, 33087),

Gene: Munch_53 Start: 35524, Stop: 35300, Start Num: 37

Candidate Starts for Munch_53:

(Start: 37 @35524 has 26 MA's), (50, 35506), (58, 35425), (59, 35422), (62, 35389), (72, 35329), (74, 35320),

Gene: Museum_49 Start: 35230, Stop: 35045, Start Num: 47

Candidate Starts for Museum_49:

(10, 35419), (20, 35320), (21, 35311), (Start: 47 @35230 has 216 MA's), (Start: 52 @35200 has 1 MA's), (53, 35185), (54, 35170), (62, 35101),

Gene: MyraDee_46 Start: 32384, Stop: 32187, Start Num: 45

Candidate Starts for MyraDee_46:

(13, 32546), (34, 32411), (Start: 45 @32384 has 115 MA's), (53, 32336), (58, 32288),

Gene: Myxus_53 Start: 36108, Stop: 35845, Start Num: 41

Candidate Starts for Myxus_53:

(Start: 41 @36108 has 57 MA's), (Start: 52 @36069 has 1 MA's), (53, 36054), (58, 36006), (62, 35970), (74, 35901), (79, 35883),

Gene: NEHalo_46 Start: 34997, Stop: 34815, Start Num: 47

Candidate Starts for NEHalo_46:

(10, 35186), (20, 35087), (21, 35078), (Start: 36 @35021 has 2 MA's), (Start: 47 @34997 has 216 MA's), (Start: 52 @34967 has 1 MA's), (53, 34952), (54, 34937), (62, 34868), (63, 34862),

Gene: NaSiaTalie_53 Start: 36130, Stop: 35948, Start Num: 39

Candidate Starts for NaSiaTalie_53:

(Start: 39 @36130 has 67 MA's), (Start: 52 @36097 has 1 MA's), (53, 36082), (58, 36037), (59, 36034), (62, 36001),

Gene: Naca_46 Start: 35107, Stop: 34937, Start Num: 45

Candidate Starts for Naca_46:

(Start: 45 @35107 has 115 MA's), (Start: 52 @35074 has 1 MA's), (53, 35059), (55, 35041), (58, 35011), (61, 34978), (62, 34975),

Gene: Naiad_41 Start: 32252, Stop: 32097, Start Num: 44

Candidate Starts for Naiad_41:

(Start: 44 @32252 has 60 MA's), (53, 32204), (56, 32177), (62, 32120),

Gene: Naira_51 Start: 37967, Stop: 37785, Start Num: 47

Candidate Starts for Naira_51:

(10, 38156), (20, 38057), (21, 38048), (Start: 36 @37991 has 2 MA's), (Start: 47 @37967 has 216 MA's), (Start: 52 @37937 has 1 MA's), (53, 37922), (54, 37907), (62, 37838),

Gene: Naji_55 Start: 35941, Stop: 35756, Start Num: 40

Candidate Starts for Naji_55:

(4, 36148), (6, 36145), (8, 36136), (Start: 40 @35941 has 116 MA's), (Start: 52 @35908 has 1 MA's), (53, 35893), (54, 35878), (58, 35845), (64, 35794),

Gene: Nancinator_42 Start: 32172, Stop: 32017, Start Num: 44

Candidate Starts for Nancinator_42:

(Start: 44 @32172 has 60 MA's), (53, 32124), (56, 32097), (62, 32040),

Gene: Natosaleda_41 Start: 32171, Stop: 32016, Start Num: 44

Candidate Starts for Natosaleda_41:

(Start: 44 @32171 has 60 MA's), (53, 32123), (56, 32096), (62, 32039),

Gene: NearlyHeadless_49 Start: 34096, Stop: 33935, Start Num: 45

Candidate Starts for NearlyHeadless_49:

(Start: 45 @34096 has 115 MA's), (Start: 52 @34063 has 1 MA's), (55, 34030), (58, 34000), (62, 33964),

Gene: Nebulosus_57 Start: 35123, Stop: 34941, Start Num: 44

Candidate Starts for Nebulosus_57:

(Start: 44 @35123 has 60 MA's), (Start: 52 @35090 has 1 MA's), (58, 35027), (59, 35024), (62, 34991), (64, 34976),

Gene: Nedarya_54 Start: 34671, Stop: 34489, Start Num: 44

Candidate Starts for Nedarya_54:

(Start: 44 @34671 has 60 MA's), (Start: 52 @34638 has 1 MA's), (53, 34623), (58, 34575), (59, 34572), (62, 34539),

Gene: Neeharika16_53 Start: 34453, Stop: 34271, Start Num: 45

Candidate Starts for Neeharika16_53:

(Start: 45 @34453 has 115 MA's), (53, 34405), (55, 34387), (58, 34357), (62, 34321),

Gene: Nerujay_51 Start: 36662, Stop: 36456, Start Num: 47

Candidate Starts for Nerujay_51:

(10, 36851), (20, 36752), (21, 36743), (Start: 47 @36662 has 216 MA's), (Start: 52 @36632 has 1 MA's), (53, 36617), (54, 36602), (62, 36533), (63, 36527),

Gene: Newrala_54 Start: 34995, Stop: 34813, Start Num: 45

Candidate Starts for Newrala_54:

(Start: 45 @34995 has 115 MA's), (53, 34947), (55, 34929), (58, 34899), (62, 34863),

Gene: Nhonho_49 Start: 36168, Stop: 35983, Start Num: 47

Candidate Starts for Nhonho_49:

(10, 36357), (20, 36258), (21, 36249), (Start: 36 @36192 has 2 MA's), (Start: 47 @36168 has 216 MA's), (Start: 52 @36138 has 1 MA's), (53, 36123), (54, 36108), (62, 36039),

Gene: NicoleTera_52 Start: 36428, Stop: 36219, Start Num: 39

Candidate Starts for NicoleTera_52:

(Start: 39 @36428 has 67 MA's), (50, 36410), (Start: 52 @36389 has 1 MA's), (53, 36380), (54, 36365), (58, 36332), (62, 36296),

Gene: Niza_51 Start: 37074, Stop: 36892, Start Num: 47

Candidate Starts for Niza_51:

(10, 37263), (20, 37164), (21, 37155), (Start: 47 @37074 has 216 MA's), (Start: 52 @37044 has 1 MA's), (53, 37029), (54, 37014), (62, 36945), (63, 36939),

Gene: Noella_51 Start: 35914, Stop: 35708, Start Num: 40

Candidate Starts for Noella_51:

(Start: 38 @35917 has 2 MA's), (Start: 40 @35914 has 116 MA's), (50, 35896), (Start: 52 @35875 has 1 MA's), (58, 35812), (62, 35776),

Gene: Norbert_50 Start: 35913, Stop: 35707, Start Num: 40

Candidate Starts for Norbert_50:

(Start: 38 @35916 has 2 MA's), (Start: 40 @35913 has 116 MA's), (50, 35895), (Start: 52 @35874 has 1 MA's), (58, 35811), (62, 35775),

Gene: Norz_49 Start: 36249, Stop: 36067, Start Num: 47

Candidate Starts for Norz_49:

(10, 36438), (20, 36339), (21, 36330), (Start: 36 @36273 has 2 MA's), (Start: 47 @36249 has 216 MA's), (Start: 52 @36219 has 1 MA's), (53, 36204), (54, 36189), (62, 36120),

Gene: NothingSpecial_51 Start: 36652, Stop: 36470, Start Num: 39

Candidate Starts for NothingSpecial_51:

(9, 36844), (Start: 39 @36652 has 67 MA's), (Start: 52 @36619 has 1 MA's), (53, 36604), (54, 36589), (58, 36559), (59, 36556), (62, 36523),

Gene: Noxious_48 Start: 36519, Stop: 36337, Start Num: 47

Candidate Starts for Noxious_48:

(10, 36708), (20, 36609), (21, 36600), (Start: 36 @36543 has 2 MA's), (Start: 47 @36519 has 216 MA's), (Start: 52 @36489 has 1 MA's), (53, 36474), (54, 36459), (62, 36390), (63, 36384),

Gene: OKCentral2016_49 Start: 35095, Stop: 34895, Start Num: 45

Candidate Starts for OKCentral2016_49:

(7, 35305), (Start: 45 @35095 has 115 MA's), (Start: 52 @35062 has 1 MA's), (53, 35047), (58, 34999), (62, 34963),

Gene: Odin_51 Start: 34966, Stop: 34757, Start Num: 40

Candidate Starts for Odin_51:

(32, 34981), (Start: 40 @34966 has 116 MA's), (Start: 52 @34933 has 1 MA's), (53, 34918), (54, 34903), (58, 34870), (75, 34762),

Gene: Ohno789_50 Start: 36764, Stop: 36582, Start Num: 47

Candidate Starts for Ohno789_50:

(10, 36953), (20, 36854), (21, 36845), (Start: 36 @36788 has 2 MA's), (Start: 47 @36764 has 216 MA's), (Start: 52 @36734 has 1 MA's), (53, 36719), (54, 36704), (62, 36635),

Gene: OlanP_54 Start: 36172, Stop: 35966, Start Num: 40

Candidate Starts for OlanP_54:

(Start: 40 @36172 has 116 MA's), (Start: 52 @36133 has 1 MA's), (53, 36118), (58, 36070), (62, 36034),

Gene: Ollie_55 Start: 35980, Stop: 35774, Start Num: 40

Candidate Starts for Ollie_55:

(Start: 40 @35980 has 116 MA's), (Start: 52 @35941 has 1 MA's), (53, 35926), (58, 35878),

Gene: Onglai_51 Start: 34449, Stop: 34186, Start Num: 41

Candidate Starts for Onglai_51:

(Start: 41 @34449 has 57 MA's), (Start: 52 @34410 has 1 MA's), (53, 34395), (58, 34347), (62, 34311), (74, 34242), (79, 34224),

Gene: Oofda_59 Start: 35341, Stop: 35159, Start Num: 44

Candidate Starts for Oofda_59:

(Start: 44 @35341 has 60 MA's), (Start: 52 @35308 has 1 MA's), (58, 35245), (59, 35242), (62, 35209),

Gene: Oogway_47 Start: 34925, Stop: 34764, Start Num: 47

Candidate Starts for Oogway_47:

(10, 35114), (20, 35015), (21, 35006), (Start: 36 @34949 has 2 MA's), (Start: 47 @34925 has 216 MA's), (Start: 52 @34895 has 1 MA's), (53, 34880), (54, 34865), (62, 34796),

Gene: Orange_52 Start: 35073, Stop: 34849, Start Num: 37

Candidate Starts for Orange_52:

(Start: 37 @35073 has 26 MA's), (50, 35055), (58, 34974), (59, 34971), (62, 34938), (72, 34878), (74, 34869),

Gene: P28Green_56 Start: 36112, Stop: 35906, Start Num: 40

Candidate Starts for P28Green_56:

(21, 36172), (Start: 40 @36112 has 116 MA's), (Start: 52 @36073 has 1 MA's), (53, 36058), (58, 36010),

Gene: PGHhamlin_57 Start: 36101, Stop: 35895, Start Num: 40

Candidate Starts for PGHhamlin_57:

(21, 36161), (Start: 40 @36101 has 116 MA's), (Start: 52 @36062 has 1 MA's), (53, 36047), (58, 35999),

Gene: PSullivan_48 Start: 35041, Stop: 34859, Start Num: 47

Candidate Starts for PSullivan_48:

(10, 35230), (20, 35131), (21, 35122), (Start: 36 @35065 has 2 MA's), (Start: 47 @35041 has 216 MA's), (Start: 52 @35011 has 1 MA's), (53, 34996), (54, 34981), (62, 34912), (63, 34906),

Gene: PacerPaul_48 Start: 35785, Stop: 35603, Start Num: 47

Candidate Starts for PacerPaul_48:

(10, 35974), (20, 35875), (21, 35866), (Start: 47 @35785 has 216 MA's), (Start: 52 @35755 has 1 MA's), (53, 35740), (54, 35725), (62, 35656), (63, 35650),

Gene: PackMan_52 Start: 36108, Stop: 35845, Start Num: 41

Candidate Starts for PackMan_52:

(Start: 41 @36108 has 57 MA's), (Start: 52 @36069 has 1 MA's), (53, 36054), (58, 36006), (62, 35970), (74, 35901), (79, 35883),

Gene: PainterBoy_54 Start: 35882, Stop: 35661, Start Num: 33

Candidate Starts for PainterBoy_54:

(Start: 33 @35882 has 3 MA's), (49, 35861), (Start: 52 @35837 has 1 MA's), (54, 35807), (58, 35774), (59, 35771), (62, 35738),

Gene: Panamaxus_49 Start: 35913, Stop: 35707, Start Num: 40

Candidate Starts for Panamaxus_49:

(Start: 38 @35916 has 2 MA's), (Start: 40 @35913 has 116 MA's), (50, 35895), (Start: 52 @35874 has 1 MA's), (58, 35811), (62, 35775),

Gene: Papez_51 Start: 38165, Stop: 37980, Start Num: 47

Candidate Starts for Papez_51:

(10, 38354), (20, 38255), (21, 38246), (Start: 47 @38165 has 216 MA's), (Start: 52 @38135 has 1 MA's), (53, 38120), (54, 38105), (62, 38036),

Gene: Paphu_46 Start: 35299, Stop: 35114, Start Num: 47

Candidate Starts for Paphu_46:

(10, 35488), (20, 35389), (21, 35380), (Start: 36 @35323 has 2 MA's), (Start: 47 @35299 has 216 MA's), (Start: 52 @35269 has 1 MA's), (53, 35254), (54, 35239), (62, 35170),

Gene: Paraselene_46 Start: 35663, Stop: 35481, Start Num: 47

Candidate Starts for Paraselene_46:

(10, 35852), (20, 35753), (21, 35744), (Start: 36 @35687 has 2 MA's), (Start: 47 @35663 has 216 MA's), (Start: 52 @35633 has 1 MA's), (53, 35618), (54, 35603), (62, 35534), (63, 35528),

Gene: Pari_50 Start: 35676, Stop: 35494, Start Num: 47

Candidate Starts for Pari_50:

(20, 35766), (21, 35757), (Start: 47 @35676 has 216 MA's), (Start: 52 @35646 has 1 MA's), (53, 35631), (54, 35616), (62, 35547),

Gene: Parliament_48 Start: 36213, Stop: 36031, Start Num: 47

Candidate Starts for Parliament_48:

(10, 36402), (20, 36303), (21, 36294), (Start: 36 @36237 has 2 MA's), (Start: 47 @36213 has 216 MA's), (Start: 52 @36183 has 1 MA's), (53, 36168), (54, 36153), (62, 36084),

Gene: Partridge_41 Start: 32399, Stop: 32244, Start Num: 44

Candidate Starts for Partridge_41:

(Start: 44 @32399 has 60 MA's), (53, 32351), (56, 32324), (62, 32267),

Gene: PascalRango_49 Start: 35558, Stop: 35373, Start Num: 47

Candidate Starts for PascalRango_49:

(10, 35747), (20, 35648), (21, 35639), (Start: 47 @35558 has 216 MA's), (Start: 52 @35528 has 1 MA's), (53, 35513), (54, 35498), (62, 35429),

Gene: PattyP_49 Start: 35423, Stop: 35241, Start Num: 47

Candidate Starts for PattyP_49:

(10, 35612), (20, 35513), (21, 35504), (Start: 36 @35447 has 2 MA's), (Start: 47 @35423 has 216 MA's), (Start: 52 @35393 has 1 MA's), (53, 35378), (54, 35363), (62, 35294), (63, 35288),

Gene: Pawn_55 Start: 36003, Stop: 35797, Start Num: 40

Candidate Starts for Pawn_55:

(Start: 40 @36003 has 116 MA's), (Start: 52 @35964 has 1 MA's), (53, 35949), (58, 35901), (59, 35898), (62, 35865),

Gene: Payneful_48 Start: 35230, Stop: 35048, Start Num: 47

Candidate Starts for Payneful_48:

(10, 35419), (20, 35320), (21, 35311), (Start: 36 @35254 has 2 MA's), (Start: 47 @35230 has 216 MA's), (Start: 52 @35200 has 1 MA's), (53, 35185), (54, 35170), (62, 35101),

Gene: PeaceMeal1_48 Start: 34605, Stop: 34405, Start Num: 45

Candidate Starts for PeaceMeal1_48:

(2, 34878), (3, 34845), (Start: 45 @34605 has 115 MA's), (Start: 52 @34572 has 1 MA's), (53, 34557), (58, 34509), (62, 34473),

Gene: Pelly_48 Start: 36137, Stop: 35979, Start Num: 47

Candidate Starts for Pelly_48:

(10, 36326), (20, 36227), (21, 36218), (Start: 47 @36137 has 216 MA's), (Start: 52 @36107 has 1 MA's), (53, 36092), (54, 36077), (62, 36008),

Gene: Pembroke_55 Start: 36110, Stop: 35904, Start Num: 40

Candidate Starts for Pembroke_55:

(21, 36170), (Start: 40 @36110 has 116 MA's), (Start: 52 @36071 has 1 MA's), (53, 36056), (58, 36008),

Gene: Penny1_56 Start: 36113, Stop: 35907, Start Num: 40

Candidate Starts for Penny1_56:

(21, 36173), (Start: 40 @36113 has 116 MA's), (Start: 52 @36074 has 1 MA's), (53, 36059), (58, 36011),

Gene: Pepe_45 Start: 33984, Stop: 33802, Start Num: 47

Candidate Starts for Pepe_45:

(10, 34173), (20, 34074), (21, 34065), (Start: 47 @33984 has 216 MA's), (Start: 52 @33954 has 1 MA's), (53, 33939), (54, 33924), (62, 33855), (63, 33849),

Gene: Perseus_48 Start: 36108, Stop: 35926, Start Num: 47

Candidate Starts for Perseus_48:

(10, 36297), (20, 36198), (21, 36189), (Start: 36 @36132 has 2 MA's), (Start: 47 @36108 has 216 MA's), (Start: 52 @36078 has 1 MA's), (53, 36063), (54, 36048), (62, 35979), (63, 35973),

Gene: Petersenfast_51 Start: 35072, Stop: 34848, Start Num: 37

Candidate Starts for Petersenfast_51:

(Start: 37 @35072 has 26 MA's), (50, 35054), (58, 34973), (59, 34970), (62, 34937), (72, 34877), (74, 34868),

Gene: Peterson_53 Start: 38406, Stop: 38245, Start Num: 47

Candidate Starts for Peterson_53:

(20, 38496), (21, 38487), (Start: 47 @38406 has 216 MA's), (Start: 52 @38376 has 1 MA's), (53, 38361), (54, 38346), (62, 38277),

Gene: Petp2012_49 Start: 36038, Stop: 35853, Start Num: 47

Candidate Starts for Petp2012_49:

(10, 36227), (20, 36128), (21, 36119), (Start: 36 @36062 has 2 MA's), (Start: 47 @36038 has 216 MA's), (Start: 52 @36008 has 1 MA's), (53, 35993), (54, 35978), (62, 35909),

Gene: Petruchio_48 Start: 35769, Stop: 35587, Start Num: 47

Candidate Starts for Petruchio_48:

(10, 35958), (20, 35859), (21, 35850), (Start: 36 @35793 has 2 MA's), (Start: 47 @35769 has 216 MA's), (Start: 52 @35739 has 1 MA's), (53, 35724), (54, 35709), (62, 35640), (63, 35634),

Gene: PetterN_49 Start: 34695, Stop: 34525, Start Num: 45

Candidate Starts for PetterN_49:

(Start: 45 @34695 has 115 MA's), (Start: 52 @34662 has 1 MA's), (53, 34647), (55, 34629), (58, 34599), (59, 34596), (62, 34563), (66, 34530),

Gene: Ph8s_54 Start: 35290, Stop: 35114, Start Num: 52

Candidate Starts for Ph8s_54:

(30, 35347), (Start: 40 @35323 has 116 MA's), (Start: 52 @35290 has 1 MA's), (53, 35275), (58, 35227), (72, 35131),

Gene: Phaded_54 Start: 37280, Stop: 37107, Start Num: 35

Candidate Starts for Phaded_54:

(17, 37376), (Start: 35 @37280 has 16 MA's), (Start: 37 @37277 has 26 MA's), (50, 37268), (53, 37235), (58, 37187), (59, 37184), (62, 37151),

Gene: Phaeder_53 Start: 36108, Stop: 35845, Start Num: 41

Candidate Starts for Phaeder_53:

(Start: 41 @36108 has 57 MA's), (Start: 52 @36069 has 1 MA's), (53, 36054), (58, 36006), (62, 35970), (74, 35901), (79, 35883),

Gene: PhailMary_41 Start: 32561, Stop: 32406, Start Num: 44

Candidate Starts for PhailMary_41:

(Start: 44 @32561 has 60 MA's), (53, 32513), (56, 32486), (62, 32429),

Gene: Phantastic_53 Start: 35592, Stop: 35395, Start Num: 41

Candidate Starts for Phantastic_53:

(Start: 41 @35592 has 57 MA's), (Start: 52 @35553 has 1 MA's), (58, 35490), (59, 35487), (62, 35454), (69, 35412),

Gene: Pharaoh_48 Start: 35902, Stop: 35687, Start Num: 39

Candidate Starts for Pharaoh_48:

(Start: 39 @35902 has 67 MA's), (50, 35884), (Start: 52 @35863 has 1 MA's), (53, 35848), (54, 35833), (58, 35800), (67, 35731),

Gene: PherrisBueller_48 Start: 35038, Stop: 34856, Start Num: 47

Candidate Starts for PherrisBueller_48:

(10, 35227), (20, 35128), (21, 35119), (Start: 47 @35038 has 216 MA's), (Start: 52 @35008 has 1 MA's), (53, 34993), (54, 34978), (62, 34909), (63, 34903),

Gene: Phillis_50 Start: 34482, Stop: 34312, Start Num: 45

Candidate Starts for Phillis_50:

(Start: 45 @34482 has 115 MA's), (Start: 52 @34449 has 1 MA's), (55, 34416), (58, 34386), (62, 34350),

Gene: PhineBark_48 Start: 36776, Stop: 36594, Start Num: 47

Candidate Starts for PhineBark_48:

(10, 36965), (20, 36866), (21, 36857), (Start: 36 @36800 has 2 MA's), (Start: 47 @36776 has 216 MA's), (Start: 52 @36746 has 1 MA's), (53, 36731), (54, 36716), (62, 36647),

Gene: PhishRPhriends_53 Start: 35180, Stop: 34974, Start Num: 40

Candidate Starts for PhishRPhriends_53:

(Start: 40 @35180 has 116 MA's), (Start: 52 @35141 has 1 MA's), (53, 35126), (58, 35078), (62, 35042),

Gene: Phlei_42 Start: 35571, Stop: 35410, Start Num: 47

Candidate Starts for Phlei_42:

(Start: 47 @35571 has 216 MA's), (53, 35526), (58, 35478), (62, 35442),

Gene: Phlippers_47 Start: 36683, Stop: 36501, Start Num: 47

Candidate Starts for Phlippers_47:

(10, 36872), (20, 36773), (21, 36764), (Start: 36 @36707 has 2 MA's), (Start: 47 @36683 has 216 MA's), (Start: 52 @36653 has 1 MA's), (53, 36638), (54, 36623), (62, 36554),

Gene: Phlorence_43 Start: 34407, Stop: 34237, Start Num: 45

Candidate Starts for Phlorence_43:

(Start: 45 @34407 has 115 MA's), (Start: 52 @34374 has 1 MA's), (53, 34359), (55, 34341), (58, 34311), (59, 34308), (62, 34275),

Gene: Phoebe_56 Start: 36102, Stop: 35896, Start Num: 40

Candidate Starts for Phoebe_56:

(21, 36162), (Start: 40 @36102 has 116 MA's), (Start: 52 @36063 has 1 MA's), (53, 36048), (58, 36000),

Gene: Phonnegut_53 Start: 36205, Stop: 35942, Start Num: 41

Candidate Starts for Phonnegut_53:

(Start: 41 @36205 has 57 MA's), (Start: 52 @36166 has 1 MA's), (53, 36151), (58, 36103), (59, 36100), (62, 36067), (74, 35998), (79, 35980),

Gene: Phoxy_55 Start: 36134, Stop: 35928, Start Num: 40

Candidate Starts for Phoxy_55:

(Start: 40 @36134 has 116 MA's), (Start: 52 @36095 has 1 MA's), (53, 36080), (58, 36032), (59, 36029), (62, 35996),

Gene: Phrankenstein_42 Start: 32185, Stop: 32030, Start Num: 44

Candidate Starts for Phrankenstein_42:

(Start: 44 @32185 has 60 MA's), (53, 32137), (56, 32110), (62, 32053),

Gene: Phranny_56 Start: 35985, Stop: 35779, Start Num: 40

Candidate Starts for Phranny_56:

(Start: 40 @35985 has 116 MA's), (Start: 52 @35946 has 1 MA's), (53, 35931), (58, 35883), (59, 35880), (62, 35847),

Gene: PhrostyMug_47 Start: 35387, Stop: 35205, Start Num: 47

Candidate Starts for PhrostyMug_47:

(10, 35576), (20, 35477), (21, 35468), (Start: 36 @35411 has 2 MA's), (Start: 47 @35387 has 216 MA's), (Start: 52 @35357 has 1 MA's), (53, 35342), (54, 35327), (62, 35258), (63, 35252),

Gene: PickleBack_44 Start: 34474, Stop: 34304, Start Num: 45

Candidate Starts for PickleBack_44:

(Start: 45 @34474 has 115 MA's), (Start: 52 @34441 has 1 MA's), (53, 34426), (55, 34408), (58, 34378), (59, 34375), (62, 34342),

Gene: PinkPlastic_48 Start: 35612, Stop: 35406, Start Num: 47

Candidate Starts for PinkPlastic_48:

(10, 35801), (20, 35702), (21, 35693), (Start: 36 @35636 has 2 MA's), (Start: 47 @35612 has 216 MA's), (Start: 52 @35582 has 1 MA's), (53, 35567), (54, 35552), (62, 35483), (63, 35477),

Gene: Pinto_48 Start: 35226, Stop: 35044, Start Num: 47

Candidate Starts for Pinto_48:

(10, 35415), (20, 35316), (21, 35307), (Start: 36 @35250 has 2 MA's), (Start: 47 @35226 has 216 MA's), (Start: 52 @35196 has 1 MA's), (53, 35181), (54, 35166), (62, 35097), (63, 35091),

Gene: Pioneer_53 Start: 36205, Stop: 35942, Start Num: 41

Candidate Starts for Pioneer_53:

(Start: 41 @36205 has 57 MA's), (Start: 52 @36166 has 1 MA's), (53, 36151), (58, 36103), (59, 36100), (62, 36067), (74, 35998), (79, 35980),

Gene: Pippin_50 Start: 36136, Stop: 35954, Start Num: 47

Candidate Starts for Pippin_50:

(10, 36325), (20, 36226), (21, 36217), (Start: 47 @36136 has 216 MA's), (Start: 52 @36106 has 1 MA's), (53, 36091), (54, 36076), (62, 36007), (63, 36001),

Gene: Piro94_53 Start: 36477, Stop: 36295, Start Num: 39

Candidate Starts for Piro94_53:

(Start: 39 @36477 has 67 MA's), (Start: 52 @36444 has 1 MA's), (53, 36429), (58, 36384), (59, 36381), (62, 36348),

Gene: Pistachio_54 Start: 35510, Stop: 35313, Start Num: 41

Candidate Starts for Pistachio_54:

(Start: 41 @35510 has 57 MA's), (Start: 52 @35471 has 1 MA's), (58, 35408), (62, 35372), (69, 35330),

Gene: Pita2_51 Start: 36538, Stop: 36356, Start Num: 47

Candidate Starts for Pita2_51:

(10, 36727), (20, 36628), (21, 36619), (Start: 36 @36562 has 2 MA's), (Start: 47 @36538 has 216 MA's), (Start: 52 @36508 has 1 MA's), (53, 36493), (54, 36478), (62, 36409), (63, 36403),

Gene: Pmask_54 Start: 34996, Stop: 34814, Start Num: 45

Candidate Starts for Pmask_54:

(Start: 45 @34996 has 115 MA's), (53, 34948), (55, 34930), (58, 34900), (62, 34864),

Gene: Pocahontas_51 Start: 35910, Stop: 35704, Start Num: 40

Candidate Starts for Pocahontas_51:

(Start: 38 @35913 has 2 MA's), (Start: 40 @35910 has 116 MA's), (50, 35892), (Start: 52 @35871 has 1 MA's), (58, 35808), (62, 35772),

Gene: Polyphemus_56 Start: 35378, Stop: 35196, Start Num: 45

Candidate Starts for Polyphemus_56:

(Start: 45 @35378 has 115 MA's), (53, 35330), (55, 35312), (58, 35282), (62, 35246),

Gene: Pomar16_55 Start: 35981, Stop: 35796, Start Num: 40

Candidate Starts for Pomar16_55:

(4, 36188), (6, 36185), (8, 36176), (Start: 40 @35981 has 116 MA's), (Start: 52 @35948 has 1 MA's), (53, 35933), (54, 35918), (58, 35885), (64, 35834),

Gene: Poompha_49 Start: 34603, Stop: 34403, Start Num: 45

Candidate Starts for Poompha_49:

(2, 34876), (3, 34843), (Start: 45 @34603 has 115 MA's), (Start: 52 @34570 has 1 MA's), (53, 34555), (58, 34507), (62, 34471),

Gene: Popcicle_51 Start: 35910, Stop: 35704, Start Num: 40

Candidate Starts for Popcicle_51:

(Start: 38 @35913 has 2 MA's), (Start: 40 @35910 has 116 MA's), (50, 35892), (Start: 52 @35871 has 1 MA's), (58, 35808), (62, 35772),

Gene: PotatoSplit_57 Start: 36113, Stop: 35907, Start Num: 40

Candidate Starts for PotatoSplit_57:

(21, 36173), (Start: 40 @36113 has 116 MA's), (Start: 52 @36074 has 1 MA's), (53, 36059), (58, 36011),

Gene: Power_52 Start: 36105, Stop: 35932, Start Num: 39

Candidate Starts for Power_52:

(Start: 36 @36111 has 2 MA's), (Start: 39 @36105 has 67 MA's), (50, 36093), (Start: 52 @36072 has 1 MA's), (53, 36057), (54, 36042), (58, 36012), (62, 35976),

Gene: PowerRanger_49 Start: 36451, Stop: 36269, Start Num: 47

Candidate Starts for PowerRanger_49:

(10, 36640), (20, 36541), (21, 36532), (Start: 36 @36475 has 2 MA's), (Start: 47 @36451 has 216 MA's), (Start: 52 @36421 has 1 MA's), (53, 36406), (54, 36391), (62, 36322), (63, 36316),

Gene: Priamo_56 Start: 34755, Stop: 34573, Start Num: 45

Candidate Starts for Priamo_56:

(Start: 45 @34755 has 115 MA's), (53, 34707), (55, 34689), (58, 34659), (62, 34623),

Gene: Prinash11_45 Start: 34699, Stop: 34529, Start Num: 45

Candidate Starts for Prinash11_45:

(Start: 45 @34699 has 115 MA's), (Start: 52 @34666 has 1 MA's), (53, 34651), (55, 34633), (58, 34603), (59, 34600), (62, 34567),

Gene: Priya_53 Start: 36175, Stop: 35912, Start Num: 41

Candidate Starts for Priya_53:

(Start: 41 @36175 has 57 MA's), (Start: 52 @36136 has 1 MA's), (53, 36121), (58, 36073), (62, 36037), (74, 35968), (79, 35950),

Gene: ProMouse_49 Start: 36249, Stop: 36064, Start Num: 47

Candidate Starts for ProMouse_49:

(10, 36438), (20, 36339), (21, 36330), (Start: 36 @36273 has 2 MA's), (Start: 47 @36249 has 216 MA's), (Start: 52 @36219 has 1 MA's), (53, 36204), (54, 36189), (62, 36120),

Gene: Prudy_52 Start: 36858, Stop: 36670, Start Num: 35

Candidate Starts for Prudy_52:

(Start: 35 @36858 has 16 MA's), (50, 36840), (Start: 52 @36819 has 1 MA's), (54, 36789), (58, 36759), (59, 36756), (62, 36723), (63, 36717),

Gene: Pukovnik_52 Start: 36937, Stop: 36755, Start Num: 35

Candidate Starts for Pukovnik_52:

(Start: 35 @36937 has 16 MA's), (Start: 37 @36934 has 26 MA's), (50, 36925), (53, 36892), (58, 36844), (59, 36841), (62, 36808),

Gene: Puppet_50 Start: 36619, Stop: 36413, Start Num: 47

Candidate Starts for Puppet_50:

(10, 36808), (20, 36709), (21, 36700), (Start: 47 @36619 has 216 MA's), (Start: 52 @36589 has 1 MA's), (53, 36574), (54, 36559), (62, 36490), (63, 36484),

Gene: Puppy_54 Start: 35582, Stop: 35385, Start Num: 41

Candidate Starts for Puppy_54:

(Start: 41 @35582 has 57 MA's), (Start: 52 @35543 has 1 MA's), (58, 35480), (62, 35444), (69, 35402),

Gene: PurpleHaze_55 Start: 35998, Stop: 35792, Start Num: 40

Candidate Starts for PurpleHaze_55:

(Start: 40 @35998 has 116 MA's), (Start: 52 @35959 has 1 MA's), (53, 35944), (58, 35896), (59, 35893), (62, 35860),

Gene: QTRLifeCrisis_48 Start: 36234, Stop: 36052, Start Num: 47

Candidate Starts for QTRLifeCrisis_48:

(10, 36423), (20, 36324), (21, 36315), (Start: 47 @36234 has 216 MA's), (Start: 52 @36204 has 1 MA's), (53, 36189), (54, 36174), (62, 36105), (63, 36099),

Gene: Qobbit_53 Start: 36137, Stop: 35874, Start Num: 41

Candidate Starts for Qobbit_53:

(Start: 41 @36137 has 57 MA's), (Start: 52 @36098 has 1 MA's), (53, 36083), (58, 36035), (62, 35999), (74, 35930), (79, 35912),

Gene: QueenB2_52 Start: 36089, Stop: 35910, Start Num: 39

Candidate Starts for QueenB2_52:

(Start: 36 @36095 has 2 MA's), (Start: 39 @36089 has 67 MA's), (50, 36077), (Start: 52 @36056 has 1 MA's), (53, 36041), (54, 36026), (58, 35996),

Gene: QueenBeesly_53 Start: 36052, Stop: 35879, Start Num: 39

Candidate Starts for QueenBeesly_53:

(Start: 36 @36058 has 2 MA's), (Start: 39 @36052 has 67 MA's), (50, 36040), (Start: 52 @36019 has 1 MA's), (53, 36004), (54, 35989), (58, 35959), (62, 35923),

Gene: QuinnKiro_50 Start: 35913, Stop: 35707, Start Num: 40

Candidate Starts for QuinnKiro_50:

(Start: 38 @35916 has 2 MA's), (Start: 40 @35913 has 116 MA's), (50, 35895), (Start: 52 @35874 has 1 MA's), (58, 35811), (62, 35775),

Gene: Quokka_51 Start: 35098, Stop: 34913, Start Num: 40

Candidate Starts for Quokka_51:

(Start: 40 @35098 has 116 MA's), (Start: 52 @35065 has 1 MA's), (54, 35035), (58, 35002),

Gene: RER2_35 Start: 29111, Stop: 28956, Start Num: 44

Candidate Starts for RER2_35:

(Start: 44 @29111 has 60 MA's), (53, 29063), (56, 29036), (62, 28979),

Gene: RGL3_36 Start: 29776, Stop: 29621, Start Num: 44

Candidate Starts for RGL3_36:

(Start: 44 @29776 has 60 MA's), (48, 29767), (53, 29728), (54, 29713), (56, 29701), (62, 29644),

Gene: Rachaly_52 Start: 36390, Stop: 36208, Start Num: 35

Candidate Starts for Rachaly_52:

(15, 36510), (Start: 35 @36390 has 16 MA's), (50, 36378), (Start: 52 @36357 has 1 MA's), (53, 36342), (54, 36327), (58, 36297), (59, 36294),

Gene: Rahalelujah_53 Start: 35677, Stop: 35423, Start Num: 41

Candidate Starts for Rahalelujah_53:

(18, 35788), (Start: 41 @35677 has 57 MA's), (49, 35668), (58, 35584), (59, 35581), (68, 35509), (79, 35461),

Gene: Raid_49 Start: 35826, Stop: 35641, Start Num: 47

Candidate Starts for Raid_49:

(10, 36015), (20, 35916), (21, 35907), (Start: 36 @35850 has 2 MA's), (Start: 47 @35826 has 216 MA's), (Start: 52 @35796 has 1 MA's), (53, 35781), (54, 35766), (62, 35697),

Gene: Rajelicia_49 Start: 36168, Stop: 35986, Start Num: 47

Candidate Starts for Rajelicia_49:

(20, 36258), (21, 36249), (Start: 36 @36192 has 2 MA's), (Start: 47 @36168 has 216 MA's), (Start: 52 @36138 has 1 MA's), (53, 36123), (54, 36108), (62, 36039), (63, 36033),

Gene: Rasputin_42 Start: 32209, Stop: 32054, Start Num: 44

Candidate Starts for Rasputin_42:

(Start: 44 @32209 has 60 MA's), (53, 32161), (56, 32134), (62, 32077),

Gene: Ravana_62 Start: 36033, Stop: 35851, Start Num: 44

Candidate Starts for Ravana_62:

(Start: 44 @36033 has 60 MA's), (Start: 52 @36000 has 1 MA's), (58, 35937), (59, 35934), (62, 35901),

Gene: ReMo_57 Start: 35124, Stop: 34942, Start Num: 44

Candidate Starts for ReMo_57:

(Start: 44 @35124 has 60 MA's), (Start: 52 @35091 has 1 MA's), (58, 35028), (59, 35025), (62, 34992), (64, 34977),

Gene: Reba_55 Start: 35658, Stop: 35452, Start Num: 40

Candidate Starts for Reba_55:

(Start: 40 @35658 has 116 MA's), (Start: 52 @35619 has 1 MA's), (53, 35604), (58, 35556), (59, 35553), (62, 35520),

Gene: Rebeuca_50 Start: 35747, Stop: 35547, Start Num: 45

Candidate Starts for Rebeuca_50:

(7, 35951), (Start: 45 @35747 has 115 MA's), (Start: 52 @35714 has 1 MA's), (53, 35699), (58, 35651), (62, 35615),

Gene: RedRock_55 Start: 37315, Stop: 37124, Start Num: 39

Candidate Starts for RedRock_55:

(Start: 39 @37315 has 67 MA's), (Start: 47 @37306 has 216 MA's), (50, 37297), (Start: 52 @37276 has 1 MA's), (53, 37261), (58, 37213), (62, 37177), (63, 37171),

Gene: Refuge_51 Start: 37134, Stop: 36907, Start Num: 39

Candidate Starts for Refuge_51:

(Start: 39 @37134 has 67 MA's), (50, 37107), (Start: 52 @37086 has 1 MA's), (53, 37077), (54, 37062), (58, 37029), (62, 36993), (63, 36987), (67, 36957), (71, 36936), (73, 36930),

Gene: Remus_59 Start: 35130, Stop: 34948, Start Num: 44

Candidate Starts for Remus_59:

(Start: 44 @35130 has 60 MA's), (Start: 52 @35097 has 1 MA's), (58, 35034), (59, 35031), (62, 34998),

Gene: ResDef_51 Start: 35913, Stop: 35707, Start Num: 40

Candidate Starts for ResDef_51:

(Start: 38 @35916 has 2 MA's), (Start: 40 @35913 has 116 MA's), (50, 35895), (Start: 52 @35874 has 1 MA's), (58, 35811), (62, 35775),

Gene: Retro23_54 Start: 36489, Stop: 36310, Start Num: 39

Candidate Starts for Retro23_54:

(Start: 36 @36495 has 2 MA's), (Start: 39 @36489 has 67 MA's), (50, 36477), (Start: 52 @36456 has 1 MA's), (53, 36441), (54, 36426), (58, 36396), (62, 36360),

Gene: RexFury_41 Start: 32270, Stop: 32115, Start Num: 44

Candidate Starts for RexFury_41:

(Start: 44 @32270 has 60 MA's), (53, 32222), (56, 32195), (62, 32138),

Gene: Rhodalysa_42 Start: 32239, Stop: 32084, Start Num: 44

Candidate Starts for Rhodalysa_42:

(Start: 44 @32239 has 60 MA's), (53, 32191), (56, 32164), (62, 32107),

Gene: RhynO_51 Start: 35549, Stop: 35349, Start Num: 45

Candidate Starts for RhynO_51:

(3, 35789), (23, 35609), (Start: 45 @35549 has 115 MA's), (Start: 52 @35516 has 1 MA's), (58, 35453), (62, 35417),

Gene: Rhynn_47 Start: 35469, Stop: 35287, Start Num: 47

Candidate Starts for Rhynn_47:

(10, 35658), (20, 35559), (21, 35550), (Start: 36 @35493 has 2 MA's), (Start: 47 @35469 has 216 MA's), (Start: 52 @35439 has 1 MA's), (53, 35424), (54, 35409), (62, 35340), (63, 35334),

Gene: RidgeCB_48 Start: 35384, Stop: 35202, Start Num: 47

Candidate Starts for RidgeCB_48:

(10, 35573), (20, 35474), (21, 35465), (Start: 36 @35408 has 2 MA's), (Start: 47 @35384 has 216 MA's), (Start: 52 @35354 has 1 MA's), (53, 35339), (54, 35324), (62, 35255), (63, 35249),

Gene: Rifter_55 Start: 34559, Stop: 34377, Start Num: 45

Candidate Starts for Rifter_55:

(Start: 45 @34559 has 115 MA's), (53, 34511), (56, 34484), (58, 34463), (62, 34427),

Gene: Ringer_49 Start: 36500, Stop: 36318, Start Num: 47

Candidate Starts for Ringer_49:

(20, 36590), (21, 36581), (Start: 47 @36500 has 216 MA's), (Start: 52 @36470 has 1 MA's), (53, 36455), (54, 36440), (62, 36371), (63, 36365),

Gene: Roary_50 Start: 34315, Stop: 34154, Start Num: 45

Candidate Starts for Roary_50:

(Start: 45 @34315 has 115 MA's), (Start: 52 @34282 has 1 MA's), (55, 34249), (58, 34219), (62, 34183),

Gene: Rockstar_52 Start: 35400, Stop: 35203, Start Num: 41

Candidate Starts for Rockstar_52:

(Start: 41 @35400 has 57 MA's), (Start: 52 @35361 has 1 MA's), (54, 35331), (57, 35307), (62, 35262), (69, 35220),

Gene: Rohr_49 Start: 36188, Stop: 36006, Start Num: 47

Candidate Starts for Rohr_49:

(10, 36377), (20, 36278), (21, 36269), (Start: 36 @36212 has 2 MA's), (Start: 47 @36188 has 216 MA's), (Start: 52 @36158 has 1 MA's), (53, 36143), (54, 36128), (62, 36059), (63, 36053),

Gene: Roksolana_56 Start: 35423, Stop: 35241, Start Num: 45

Candidate Starts for Roksolana_56:

(Start: 45 @35423 has 115 MA's), (53, 35375), (56, 35348), (58, 35327), (62, 35291),

Gene: Rosalind_57 Start: 35267, Stop: 35085, Start Num: 44

Candidate Starts for Rosalind_57:

(Start: 44 @35267 has 60 MA's), (Start: 52 @35234 has 1 MA's), (58, 35171), (59, 35168), (62, 35135),

Gene: Rowdy_54 Start: 35457, Stop: 35257, Start Num: 45

Candidate Starts for Rowdy_54:

(7, 35661), (Start: 45 @35457 has 115 MA's), (Start: 52 @35424 has 1 MA's), (53, 35409), (58, 35361), (62, 35325),

Gene: Rubeus_48 Start: 34045, Stop: 33863, Start Num: 47

Candidate Starts for Rubeus_48:

(10, 34234), (20, 34135), (21, 34126), (Start: 36 @34069 has 2 MA's), (Start: 47 @34045 has 216 MA's), (Start: 52 @34015 has 1 MA's), (53, 34000), (54, 33985), (62, 33916), (63, 33910),

Gene: Rufus_49 Start: 35815, Stop: 35633, Start Num: 47

Candidate Starts for Rufus_49:

(10, 36004), (20, 35905), (21, 35896), (Start: 36 @35839 has 2 MA's), (Start: 47 @35815 has 216 MA's), (Start: 52 @35785 has 1 MA's), (53, 35770), (54, 35755), (62, 35686), (63, 35680),

Gene: Rummer_54 Start: 36137, Stop: 35931, Start Num: 40

Candidate Starts for Rummer_54:

(Start: 40 @36137 has 116 MA's), (Start: 52 @36098 has 1 MA's), (53, 36083), (58, 36035), (59, 36032), (62, 35999),

Gene: Ruotula_51 Start: 37305, Stop: 37123, Start Num: 47

Candidate Starts for Ruotula_51:

(10, 37494), (20, 37395), (21, 37386), (Start: 36 @37329 has 2 MA's), (Start: 47 @37305 has 216 MA's), (Start: 52 @37275 has 1 MA's), (53, 37260), (54, 37245), (62, 37176), (63, 37170),

Gene: Rutherferd_50 Start: 36685, Stop: 36500, Start Num: 47

Candidate Starts for Rutherferd_50:

(20, 36775), (21, 36766), (Start: 47 @36685 has 216 MA's), (Start: 52 @36655 has 1 MA's), (53, 36640), (54, 36625), (62, 36556),

Gene: RyeScarlet_54 Start: 36180, Stop: 35917, Start Num: 41

Candidate Starts for RyeScarlet_54:

(Start: 41 @36180 has 57 MA's), (Start: 52 @36141 has 1 MA's), (53, 36126), (58, 36078), (59, 36075), (62, 36042), (74, 35973), (79, 35955),

Gene: STLscum_51 Start: 37081, Stop: 36920, Start Num: 47

Candidate Starts for STLscum_51:

(10, 37270), (20, 37171), (21, 37162), (Start: 36 @37105 has 2 MA's), (Start: 47 @37081 has 216 MA's), (Start: 52 @37051 has 1 MA's), (53, 37036), (54, 37021), (62, 36952),

Gene: Sabia_55 Start: 36118, Stop: 35912, Start Num: 40

Candidate Starts for Sabia_55:

(21, 36178), (Start: 40 @36118 has 116 MA's), (Start: 52 @36079 has 1 MA's), (53, 36064), (58, 36016),

Gene: Sabinator_54 Start: 36108, Stop: 35902, Start Num: 40

Candidate Starts for Sabinator_54:

(21, 36168), (Start: 40 @36108 has 116 MA's), (Start: 52 @36069 has 1 MA's), (53, 36054), (58, 36006),

Gene: Sachima_50 Start: 36090, Stop: 35827, Start Num: 41

Candidate Starts for Sachima_50:

(Start: 41 @36090 has 57 MA's), (Start: 52 @36051 has 1 MA's), (53, 36036), (58, 35988), (59, 35985), (62, 35952), (74, 35883), (79, 35865),

Gene: Sagefire_51 Start: 37054, Stop: 36872, Start Num: 47

Candidate Starts for Sagefire_51:

(10, 37243), (20, 37144), (21, 37135), (Start: 47 @37054 has 216 MA's), (Start: 52 @37024 has 1 MA's), (53, 37009), (54, 36994), (62, 36925), (63, 36919),

Gene: Saintus_44 Start: 31031, Stop: 30870, Start Num: 45

Candidate Starts for Saintus_44:

(Start: 45 @31031 has 115 MA's), (Start: 52 @30998 has 1 MA's), (55, 30965), (58, 30935), (62, 30899),

Gene: Salz_51 Start: 35043, Stop: 34819, Start Num: 37

Candidate Starts for Salz_51:

(Start: 37 @35043 has 26 MA's), (50, 35025), (58, 34944), (59, 34941), (62, 34908), (72, 34848), (74, 34839),

Gene: Sandaddy_47 Start: 35855, Stop: 35673, Start Num: 47

Candidate Starts for Sandaddy_47:

(10, 36044), (20, 35945), (21, 35936), (Start: 36 @35879 has 2 MA's), (Start: 47 @35855 has 216 MA's), (Start: 52 @35825 has 1 MA's), (53, 35810), (54, 35795), (62, 35726), (63, 35720),

Gene: Sanya_46 Start: 36154, Stop: 35972, Start Num: 47

Candidate Starts for Sanya_46:

(10, 36343), (20, 36244), (21, 36235), (Start: 36 @36178 has 2 MA's), (Start: 47 @36154 has 216 MA's), (Start: 52 @36124 has 1 MA's), (53, 36109), (54, 36094), (62, 36025), (63, 36019),

Gene: SarFire_46 Start: 35406, Stop: 35224, Start Num: 47

Candidate Starts for SarFire_46:

(10, 35595), (20, 35496), (21, 35487), (Start: 36 @35430 has 2 MA's), (Start: 47 @35406 has 216 MA's), (Start: 52 @35376 has 1 MA's), (53, 35361), (54, 35346), (62, 35277), (63, 35271),

Gene: Saskia_53 Start: 35071, Stop: 34847, Start Num: 37

Candidate Starts for Saskia_53:

(Start: 37 @35071 has 26 MA's), (50, 35053), (58, 34972), (59, 34969), (62, 34936), (72, 34876), (74, 34867),

Gene: SaturnRing_53 Start: 35963, Stop: 35766, Start Num: 41

Candidate Starts for SaturnRing_53:

(Start: 41 @35963 has 57 MA's), (Start: 52 @35924 has 1 MA's), (58, 35861), (62, 35825), (69, 35783),

Gene: Scherzo_53 Start: 36394, Stop: 36131, Start Num: 41

Candidate Starts for Scherzo_53:

(Start: 41 @36394 has 57 MA's), (Start: 52 @36355 has 1 MA's), (53, 36340), (58, 36292), (59, 36289), (62, 36256), (74, 36187), (79, 36169),

Gene: Scorpia_49 Start: 34781, Stop: 34611, Start Num: 45

Candidate Starts for Scorpia_49:

(Start: 45 @34781 has 115 MA's), (Start: 52 @34748 has 1 MA's), (53, 34733), (55, 34715), (58, 34685), (59, 34682), (62, 34649), (66, 34616),

Gene: Scout_52 Start: 35087, Stop: 34890, Start Num: 41

Candidate Starts for Scout_52:

(Start: 41 @35087 has 57 MA's), (Start: 52 @35048 has 1 MA's), (58, 34985), (59, 34982), (62, 34949), (69, 34907),

Gene: Scowl_49 Start: 36342, Stop: 36160, Start Num: 47

Candidate Starts for Scowl_49:

(10, 36531), (20, 36432), (21, 36423), (Start: 36 @36366 has 2 MA's), (Start: 47 @36342 has 216 MA's), (Start: 52 @36312 has 1 MA's), (53, 36297), (54, 36282), (62, 36213), (63, 36207),

Gene: Seabiscuit_51 Start: 35945, Stop: 35739, Start Num: 47

Candidate Starts for Seabiscuit_51:

(10, 36134), (20, 36035), (21, 36026), (Start: 36 @35969 has 2 MA's), (Start: 47 @35945 has 216 MA's), (Start: 52 @35915 has 1 MA's), (53, 35900), (54, 35885), (62, 35816), (63, 35810),

Gene: Seanderson_50 Start: 36745, Stop: 36563, Start Num: 47

Candidate Starts for Seanderson_50:

(10, 36934), (20, 36835), (21, 36826), (Start: 36 @36769 has 2 MA's), (Start: 47 @36745 has 216 MA's), (Start: 52 @36715 has 1 MA's), (53, 36700), (54, 36685), (62, 36616), (63, 36610),

Gene: SemperFi_54 Start: 36320, Stop: 36147, Start Num: 39

Candidate Starts for SemperFi_54:

(Start: 36 @36326 has 2 MA's), (Start: 39 @36320 has 67 MA's), (50, 36308), (Start: 52 @36287 has 1 MA's), (53, 36272), (54, 36257), (58, 36227), (62, 36191),

Gene: Serenity_53 Start: 35288, Stop: 35103, Start Num: 40

Candidate Starts for Serenity_53:

(Start: 40 @35288 has 116 MA's), (Start: 52 @35255 has 1 MA's), (54, 35225), (58, 35192),

Gene: Severus_48 Start: 34603, Stop: 34403, Start Num: 45

Candidate Starts for Severus_48:

(2, 34876), (3, 34843), (Start: 45 @34603 has 115 MA's), (Start: 52 @34570 has 1 MA's), (53, 34555), (58, 34507), (62, 34471),

Gene: Sham4_52 Start: 35071, Stop: 34847, Start Num: 37

Candidate Starts for Sham4_52:

(Start: 37 @35071 has 26 MA's), (50, 35053), (58, 34972), (59, 34969), (62, 34936), (72, 34876), (74, 34867),

Gene: Shapes_54 Start: 35457, Stop: 35257, Start Num: 45

Candidate Starts for Shapes_54:

(7, 35661), (Start: 45 @35457 has 115 MA's), (Start: 52 @35424 has 1 MA's), (53, 35409), (58, 35361), (62, 35325),

Gene: ShayRa_59 Start: 35311, Stop: 35129, Start Num: 44

Candidate Starts for ShayRa_59:

(Start: 44 @35311 has 60 MA's), (Start: 52 @35278 has 1 MA's), (58, 35215), (59, 35212), (62, 35179),

Gene: SheaKeira_51 Start: 35582, Stop: 35343, Start Num: 41

Candidate Starts for SheaKeira_51:

(14, 35732), (18, 35693), (Start: 41 @35582 has 57 MA's), (54, 35522), (58, 35489), (72, 35393), (78, 35369),

Gene: ShortQueendom_42 Start: 31919, Stop: 31737, Start Num: 47

Candidate Starts for ShortQueendom_42:

(10, 32108), (20, 32009), (21, 32000), (Start: 36 @31943 has 2 MA's), (Start: 47 @31919 has 216 MA's), (Start: 52 @31889 has 1 MA's), (53, 31874), (54, 31859), (62, 31790), (63, 31784),

Gene: Shuman_42 Start: 32184, Stop: 32029, Start Num: 44

Candidate Starts for Shuman_42:

(Start: 44 @32184 has 60 MA's), (53, 32136), (56, 32109), (62, 32052),

Gene: Sibs6_49 Start: 34676, Stop: 34491, Start Num: 47

Candidate Starts for Sibs6_49:

(10, 34865), (20, 34766), (21, 34757), (Start: 36 @34700 has 2 MA's), (Start: 47 @34676 has 216 MA's), (Start: 52 @34646 has 1 MA's), (53, 34631), (54, 34616), (62, 34547),

Gene: SkiPole_53 Start: 36802, Stop: 36641, Start Num: 47

Candidate Starts for SkiPole_53:

(10, 36991), (20, 36892), (21, 36883), (Start: 36 @36826 has 2 MA's), (Start: 47 @36802 has 216 MA's), (Start: 52 @36772 has 1 MA's), (53, 36757), (54, 36742), (62, 36673),

Gene: Sknot_53 Start: 36133, Stop: 35951, Start Num: 39

Candidate Starts for Sknot_53:

(Start: 39 @36133 has 67 MA's), (Start: 52 @36100 has 1 MA's), (53, 36085), (58, 36040), (59, 36037), (62, 36004),

Gene: Slagathor_50 Start: 36093, Stop: 35911, Start Num: 47

Candidate Starts for Slagathor_50:

(10, 36282), (20, 36183), (21, 36174), (Start: 36 @36117 has 2 MA's), (Start: 47 @36093 has 216 MA's), (Start: 52 @36063 has 1 MA's), (53, 36048), (54, 36033), (62, 35964), (63, 35958),

Gene: Smairt_50 Start: 36380, Stop: 36198, Start Num: 47

Candidate Starts for Smairt_50:

(10, 36569), (20, 36470), (21, 36461), (Start: 36 @36404 has 2 MA's), (Start: 47 @36380 has 216 MA's), (Start: 52 @36350 has 1 MA's), (53, 36335), (54, 36320), (62, 36251), (63, 36245),

Gene: Smeadley_50 Start: 34481, Stop: 34320, Start Num: 45

Candidate Starts for Smeadley_50:

(Start: 45 @34481 has 115 MA's), (Start: 52 @34448 has 1 MA's), (55, 34415), (58, 34385), (62, 34349),

Gene: Smeagan_56 Start: 36787, Stop: 36605, Start Num: 39

Candidate Starts for Smeagan_56:

(Start: 36 @36793 has 2 MA's), (Start: 39 @36787 has 67 MA's), (50, 36775), (Start: 52 @36754 has 1 MA's), (53, 36739), (54, 36724), (58, 36694),

Gene: Smeagol_50 Start: 37279, Stop: 37097, Start Num: 47

Candidate Starts for Smeagol_50:

(10, 37468), (20, 37369), (21, 37360), (Start: 47 @37279 has 216 MA's), (Start: 52 @37249 has 1 MA's), (53, 37234), (54, 37219), (62, 37150), (63, 37144),

Gene: SmellyB_54 Start: 34993, Stop: 34811, Start Num: 45

Candidate Starts for SmellyB_54:

(Start: 45 @34993 has 115 MA's), (53, 34945), (55, 34927), (58, 34897), (62, 34861),

Gene: SnapTap_53 Start: 36131, Stop: 35958, Start Num: 39

Candidate Starts for SnapTap_53:

(Start: 36 @36137 has 2 MA's), (Start: 39 @36131 has 67 MA's), (50, 36119), (Start: 52 @36098 has 1 MA's), (53, 36083), (54, 36068), (58, 36038), (62, 36002),

Gene: Snape_52 Start: 35063, Stop: 34839, Start Num: 37

Candidate Starts for Snape_52:

(Start: 37 @35063 has 26 MA's), (50, 35045), (58, 34964), (59, 34961), (62, 34928), (72, 34868), (74, 34859),

Gene: Snazzy_47 Start: 35479, Stop: 35273, Start Num: 47

Candidate Starts for Snazzy_47:

(10, 35668), (20, 35569), (21, 35560), (Start: 36 @35503 has 2 MA's), (Start: 47 @35479 has 216 MA's), (Start: 52 @35449 has 1 MA's), (53, 35434), (54, 35419), (62, 35350), (63, 35344),

Gene: Snickers_55 Start: 36083, Stop: 35877, Start Num: 40

Candidate Starts for Snickers_55:

(21, 36143), (Start: 40 @36083 has 116 MA's), (Start: 52 @36044 has 1 MA's), (53, 36029), (58, 35981),

Gene: SoYo_55 Start: 36021, Stop: 35815, Start Num: 40

Candidate Starts for SoYo_55:

(21, 36081), (Start: 40 @36021 has 116 MA's), (Start: 52 @35982 has 1 MA's), (53, 35967), (58, 35919),

Gene: SoilDragon_55 Start: 35557, Stop: 35351, Start Num: 40

Candidate Starts for SoilDragon_55:

(Start: 40 @35557 has 116 MA's), (Start: 52 @35518 has 1 MA's), (53, 35503), (58, 35455),

Gene: Solon_47 Start: 35737, Stop: 35555, Start Num: 47

Candidate Starts for Solon_47:

(10, 35926), (20, 35827), (21, 35818), (Start: 36 @35761 has 2 MA's), (Start: 47 @35737 has 216 MA's), (Start: 52 @35707 has 1 MA's), (53, 35692), (54, 35677), (62, 35608), (63, 35602),

Gene: SororFago_55 Start: 37097, Stop: 36858, Start Num: 41

Candidate Starts for SororFago_55:

(19, 37199), (Start: 41 @37097 has 57 MA's), (50, 37079), (51, 37070), (Start: 52 @37058 has 1 MA's), (58, 36995), (79, 36872),

Gene: Sorpresa_47 Start: 35857, Stop: 35675, Start Num: 47

Candidate Starts for Sorpresa_47:

(10, 36046), (20, 35947), (21, 35938), (Start: 36 @35881 has 2 MA's), (Start: 47 @35857 has 216 MA's), (Start: 52 @35827 has 1 MA's), (53, 35812), (54, 35797), (62, 35728), (63, 35722),

Gene: Soshari_57 Start: 36133, Stop: 35927, Start Num: 40

Candidate Starts for Soshari_57:

(Start: 40 @36133 has 116 MA's), (Start: 52 @36094 has 1 MA's), (53, 36079), (58, 36031), (59, 36028), (62, 35995),

Gene: Soups_59 Start: 35550, Stop: 35368, Start Num: 44

Candidate Starts for Soups_59:

(Start: 44 @35550 has 60 MA's), (Start: 52 @35517 has 1 MA's), (58, 35454), (59, 35451), (62, 35418),

Gene: Spike509_55 Start: 36134, Stop: 35928, Start Num: 40

Candidate Starts for Spike509_55:

(Start: 40 @36134 has 116 MA's), (Start: 52 @36095 has 1 MA's), (53, 36080), (58, 36032), (59, 36029), (62, 35996),

Gene: SpikeBT_48 Start: 36097, Stop: 35912, Start Num: 47

Candidate Starts for SpikeBT_48:

(10, 36286), (20, 36187), (21, 36178), (Start: 47 @36097 has 216 MA's), (Start: 52 @36067 has 1 MA's), (53, 36052), (54, 36037), (62, 35968),

Gene: Spouty_53 Start: 36174, Stop: 35911, Start Num: 41

Candidate Starts for Spouty_53:

(Start: 41 @36174 has 57 MA's), (Start: 52 @36135 has 1 MA's), (53, 36120), (58, 36072), (62, 36036), (74, 35967), (79, 35949),

Gene: Squee_49 Start: 36434, Stop: 36252, Start Num: 47

Candidate Starts for Squee_49:

(10, 36623), (20, 36524), (21, 36515), (Start: 36 @36458 has 2 MA's), (Start: 47 @36434 has 216 MA's), (Start: 52 @36404 has 1 MA's), (53, 36389), (54, 36374), (62, 36305),

Gene: StCroix_41 Start: 32252, Stop: 32097, Start Num: 44

Candidate Starts for StCroix_41:

(Start: 44 @32252 has 60 MA's), (53, 32204), (56, 32177), (62, 32120),

Gene: Stagni_55 Start: 36112, Stop: 35906, Start Num: 40

Candidate Starts for Stagni_55:

(21, 36172), (Start: 40 @36112 has 116 MA's), (Start: 52 @36073 has 1 MA's), (53, 36058), (58, 36010),

Gene: StarStuff_55 Start: 35943, Stop: 35758, Start Num: 40

Candidate Starts for StarStuff_55:

(4, 36150), (6, 36147), (8, 36138), (Start: 40 @35943 has 116 MA's), (Start: 52 @35910 has 1 MA's), (53, 35895), (54, 35880), (58, 35847), (64, 35796),

Gene: Steamy_49 Start: 35646, Stop: 35422, Start Num: 39

Candidate Starts for Steamy_49:

(Start: 39 @35646 has 67 MA's), (50, 35619), (Start: 52 @35598 has 1 MA's), (54, 35568), (58, 35535), (67, 35466),

Gene: StepMih_55 Start: 36103, Stop: 35897, Start Num: 40

Candidate Starts for StepMih_55:

(21, 36163), (Start: 40 @36103 has 116 MA's), (Start: 52 @36064 has 1 MA's), (53, 36049), (58, 36001),

Gene: Stephig9_50 Start: 34514, Stop: 34344, Start Num: 45

Candidate Starts for Stephig9_50:

(26, 34574), (27, 34568), (Start: 45 @34514 has 115 MA's), (Start: 52 @34481 has 1 MA's), (55, 34448), (58, 34418), (62, 34382), (65, 34361),

Gene: StewieG_47 Start: 33257, Stop: 33075, Start Num: 47

Candidate Starts for StewieG_47:

(10, 33446), (20, 33347), (21, 33338), (Start: 36 @33281 has 2 MA's), (Start: 47 @33257 has 216 MA's), (Start: 52 @33227 has 1 MA's), (53, 33212), (54, 33197), (62, 33128), (63, 33122),

Gene: StrongArm_48 Start: 36940, Stop: 36758, Start Num: 47

Candidate Starts for StrongArm_48:

(10, 37129), (20, 37030), (21, 37021), (Start: 36 @36964 has 2 MA's), (Start: 47 @36940 has 216 MA's), (Start: 52 @36910 has 1 MA's), (53, 36895), (54, 36880), (62, 36811), (63, 36805),

Gene: Strosahl_59 Start: 35130, Stop: 34948, Start Num: 44

Candidate Starts for Strosahl_59:

(Start: 44 @35130 has 60 MA's), (Start: 52 @35097 has 1 MA's), (58, 35034), (59, 35031), (62, 34998),

Gene: Sumter_45 Start: 35442, Stop: 35260, Start Num: 47

Candidate Starts for Sumter_45:

(10, 35631), (20, 35532), (21, 35523), (Start: 36 @35466 has 2 MA's), (Start: 47 @35442 has 216 MA's), (Start: 52 @35412 has 1 MA's), (53, 35397), (54, 35382), (62, 35313), (63, 35307),

Gene: Sunhee_56 Start: 35518, Stop: 35279, Start Num: 41

Candidate Starts for Sunhee_56:

(Start: 41 @35518 has 57 MA's), (50, 35500), (Start: 52 @35479 has 1 MA's), (53, 35464), (58, 35416), (79, 35293),

Gene: Sunshine924_49 Start: 35360, Stop: 35175, Start Num: 47

Candidate Starts for Sunshine924_49:

(10, 35549), (20, 35450), (21, 35441), (Start: 36 @35384 has 2 MA's), (Start: 47 @35360 has 216 MA's), (Start: 52 @35330 has 1 MA's), (53, 35315), (54, 35300), (62, 35231),

Gene: SuperAwesome_54 Start: 35007, Stop: 34825, Start Num: 45

Candidate Starts for SuperAwesome_54:

(Start: 45 @35007 has 115 MA's), (53, 34959), (55, 34941), (58, 34911), (62, 34875),

Gene: SuperCallie99_53 Start: 34880, Stop: 34698, Start Num: 45

Candidate Starts for SuperCallie99_53:

(Start: 45 @34880 has 115 MA's), (53, 34832), (55, 34814), (58, 34784), (62, 34748),

Gene: Superchunk_51 Start: 34594, Stop: 34385, Start Num: 40

Candidate Starts for Superchunk_51:

(28, 34633), (32, 34609), (Start: 40 @34594 has 116 MA's), (Start: 52 @34561 has 1 MA's), (53, 34546), (58, 34498), (75, 34390),

Gene: Swann_42 Start: 32237, Stop: 32082, Start Num: 44
Candidate Starts for Swann_42:
(Start: 44 @32237 has 60 MA's), (53, 32189), (56, 32162), (62, 32105),

Gene: SweetiePie_53 Start: 36263, Stop: 36090, Start Num: 39
Candidate Starts for SweetiePie_53:
(Start: 36 @36269 has 2 MA's), (Start: 39 @36263 has 67 MA's), (50, 36251), (Start: 52 @36230 has 1 MA's), (53, 36215), (54, 36200), (58, 36170), (62, 36134),

Gene: SwirlSquare_58 Start: 35459, Stop: 35250, Start Num: 40
Candidate Starts for SwirlSquare_58:
(25, 35510), (28, 35498), (Start: 40 @35459 has 116 MA's), (Start: 52 @35426 has 1 MA's), (53, 35411), (58, 35363), (75, 35255),

Gene: Swirley_47 Start: 35140, Stop: 34970, Start Num: 45
Candidate Starts for Swirley_47:
(Start: 45 @35140 has 115 MA's), (Start: 52 @35107 has 1 MA's), (53, 35092), (55, 35074), (58, 35044), (59, 35041), (62, 35008),

Gene: SwissCheese_50 Start: 36073, Stop: 35891, Start Num: 47
Candidate Starts for SwissCheese_50:
(10, 36262), (20, 36163), (21, 36154), (Start: 47 @36073 has 216 MA's), (Start: 52 @36043 has 1 MA's), (53, 36028), (54, 36013), (62, 35944), (63, 35938),

Gene: Switzer_50 Start: 36014, Stop: 35832, Start Num: 47
Candidate Starts for Switzer_50:
(10, 36203), (20, 36104), (21, 36095), (Start: 47 @36014 has 216 MA's), (Start: 52 @35984 has 1 MA's), (53, 35969), (54, 35954), (62, 35885), (63, 35879),

Gene: Switzerland_58 Start: 35450, Stop: 35268, Start Num: 44
Candidate Starts for Switzerland_58:
(Start: 44 @35450 has 60 MA's), (Start: 52 @35417 has 1 MA's), (58, 35354), (59, 35351), (62, 35318),

Gene: Swole_49 Start: 35242, Stop: 35060, Start Num: 47
Candidate Starts for Swole_49:
(10, 35431), (20, 35332), (21, 35323), (Start: 36 @35266 has 2 MA's), (Start: 47 @35242 has 216 MA's), (Start: 52 @35212 has 1 MA's), (53, 35197), (54, 35182), (62, 35113), (63, 35107),

Gene: SydNat_47 Start: 35482, Stop: 35312, Start Num: 45
Candidate Starts for SydNat_47:
(Start: 45 @35482 has 115 MA's), (Start: 52 @35449 has 1 MA's), (53, 35434), (55, 35416), (58, 35386), (59, 35383), (62, 35350), (65, 35329), (66, 35317),

Gene: TNguyen7_53 Start: 35929, Stop: 35732, Start Num: 41
Candidate Starts for TNguyen7_53:
(Start: 41 @35929 has 57 MA's), (Start: 52 @35890 has 1 MA's), (58, 35827), (62, 35791), (69, 35749),

Gene: TWAMP_42 Start: 32239, Stop: 32084, Start Num: 44
Candidate Starts for TWAMP_42:
(Start: 44 @32239 has 60 MA's), (53, 32191), (56, 32164), (62, 32107),

Gene: Takoda_42 Start: 32146, Stop: 31991, Start Num: 44

Candidate Starts for Takoda_42:

(Start: 44 @32146 has 60 MA's), (53, 32098), (56, 32071), (62, 32014),

Gene: Target_49 Start: 34646, Stop: 34464, Start Num: 47

Candidate Starts for Target_49:

(10, 34835), (20, 34736), (21, 34727), (Start: 36 @34670 has 2 MA's), (Start: 47 @34646 has 216 MA's), (Start: 52 @34616 has 1 MA's), (53, 34601), (54, 34586), (62, 34517), (63, 34511),

Gene: TarsusIV_52 Start: 36112, Stop: 35930, Start Num: 39

Candidate Starts for TarsusIV_52:

(Start: 36 @36118 has 2 MA's), (Start: 39 @36112 has 67 MA's), (50, 36100), (Start: 52 @36079 has 1 MA's), (53, 36064), (56, 36037), (58, 36019), (59, 36016), (62, 35983),

Gene: Tarynearal_43 Start: 34582, Stop: 34412, Start Num: 45

Candidate Starts for Tarynearal_43:

(Start: 45 @34582 has 115 MA's), (Start: 52 @34549 has 1 MA's), (53, 34534), (55, 34516), (58, 34486), (59, 34483), (62, 34450),

Gene: Tasp14_50 Start: 36339, Stop: 36157, Start Num: 47

Candidate Starts for Tasp14_50:

(10, 36528), (20, 36429), (21, 36420), (Start: 36 @36363 has 2 MA's), (Start: 47 @36339 has 216 MA's), (Start: 52 @36309 has 1 MA's), (53, 36294), (54, 36279), (62, 36210),

Gene: Taurus_56 Start: 36109, Stop: 35903, Start Num: 40

Candidate Starts for Taurus_56:

(21, 36169), (Start: 40 @36109 has 116 MA's), (Start: 52 @36070 has 1 MA's), (53, 36055), (58, 36007),

Gene: Temprado_56 Start: 35456, Stop: 35274, Start Num: 45

Candidate Starts for Temprado_56:

(Start: 45 @35456 has 115 MA's), (53, 35408), (56, 35381), (58, 35360), (62, 35324),

Gene: Teodoridan_47 Start: 35533, Stop: 35351, Start Num: 47

Candidate Starts for Teodoridan_47:

(10, 35722), (20, 35623), (21, 35614), (Start: 36 @35557 has 2 MA's), (Start: 47 @35533 has 216 MA's), (Start: 52 @35503 has 1 MA's), (53, 35488), (54, 35473), (62, 35404),

Gene: Terrific_56 Start: 36487, Stop: 36305, Start Num: 39

Candidate Starts for Terrific_56:

(Start: 39 @36487 has 67 MA's), (Start: 52 @36454 has 1 MA's), (53, 36439), (58, 36394), (59, 36391), (62, 36358),

Gene: Texage_50 Start: 35917, Stop: 35708, Start Num: 38

Candidate Starts for Texage_50:

(Start: 38 @35917 has 2 MA's), (Start: 40 @35914 has 116 MA's), (50, 35896), (Start: 52 @35875 has 1 MA's), (58, 35812), (62, 35776),

Gene: Theia_43 Start: 34959, Stop: 34789, Start Num: 45

Candidate Starts for Theia_43:

(Start: 45 @34959 has 115 MA's), (Start: 52 @34926 has 1 MA's), (53, 34911), (55, 34893), (58, 34863), (61, 34830), (62, 34827),

Gene: TheloniousMonk_49 Start: 37101, Stop: 36919, Start Num: 47

Candidate Starts for TheloniousMonk_49:

(10, 37290), (20, 37191), (21, 37182), (Start: 47 @37101 has 216 MA's), (Start: 52 @37071 has 1 MA's), (53, 37056), (54, 37041), (62, 36972), (63, 36966),

Gene: Thor_46 Start: 34764, Stop: 34582, Start Num: 47

Candidate Starts for Thor_46:

(10, 34953), (20, 34854), (21, 34845), (Start: 36 @34788 has 2 MA's), (Start: 47 @34764 has 216 MA's), (Start: 52 @34734 has 1 MA's), (53, 34719), (54, 34704), (62, 34635), (63, 34629),

Gene: Tiffany_55 Start: 35995, Stop: 35789, Start Num: 40

Candidate Starts for Tiffany_55:

(Start: 40 @35995 has 116 MA's), (Start: 52 @35956 has 1 MA's), (53, 35941), (58, 35893),

Gene: Tiger_43 Start: 34148, Stop: 33978, Start Num: 45

Candidate Starts for Tiger_43:

(Start: 45 @34148 has 115 MA's), (Start: 52 @34115 has 1 MA's), (53, 34100), (55, 34082), (58, 34052), (59, 34049), (62, 34016),

Gene: Timothy_52 Start: 35040, Stop: 34816, Start Num: 37

Candidate Starts for Timothy_52:

(Start: 37 @35040 has 26 MA's), (50, 35022), (58, 34941), (59, 34938), (62, 34905), (72, 34845), (74, 34836),

Gene: TinyPebbles_54 Start: 36139, Stop: 35933, Start Num: 40

Candidate Starts for TinyPebbles_54:

(Start: 40 @36139 has 116 MA's), (Start: 52 @36100 has 1 MA's), (53, 36085), (58, 36037), (59, 36034), (62, 36001),

Gene: TinyTimmy_52 Start: 35089, Stop: 34865, Start Num: 37

Candidate Starts for TinyTimmy_52:

(Start: 37 @35089 has 26 MA's), (50, 35071), (58, 34990), (59, 34987), (62, 34954), (72, 34894), (74, 34885),

Gene: TipsytheTRex_49 Start: 35358, Stop: 35173, Start Num: 40

Candidate Starts for TipsytheTRex_49:

(Start: 40 @35358 has 116 MA's), (Start: 52 @35325 has 1 MA's), (54, 35295), (58, 35262),

Gene: Toaka_53 Start: 35993, Stop: 35736, Start Num: 44

Candidate Starts for Toaka_53:

(Start: 44 @35993 has 60 MA's), (Start: 52 @35960 has 1 MA's), (53, 35945), (58, 35897), (62, 35861), (74, 35792), (79, 35774),

Gene: Todacoro_51 Start: 35913, Stop: 35707, Start Num: 40

Candidate Starts for Todacoro_51:

(Start: 38 @35916 has 2 MA's), (Start: 40 @35913 has 116 MA's), (50, 35895), (Start: 52 @35874 has 1 MA's), (58, 35811), (62, 35775),

Gene: Tomathan_55 Start: 35940, Stop: 35755, Start Num: 40

Candidate Starts for Tomathan_55:

(4, 36147), (6, 36144), (8, 36135), (Start: 40 @35940 has 116 MA's), (Start: 52 @35907 has 1 MA's), (53, 35892), (54, 35877), (58, 35844), (64, 35793),

Gene: ToneTone_52 Start: 35016, Stop: 34834, Start Num: 45

Candidate Starts for ToneTone_52:

(Start: 45 @35016 has 115 MA's), (53, 34968), (56, 34941), (58, 34920), (62, 34884),

Gene: Topanga_48 Start: 35391, Stop: 35191, Start Num: 45

Candidate Starts for Topanga_48:

(1, 35667), (3, 35631), (Start: 45 @35391 has 115 MA's), (Start: 52 @35358 has 1 MA's), (58, 35295), (62, 35259),

Gene: Topgun_48 Start: 35625, Stop: 35443, Start Num: 47

Candidate Starts for Topgun_48:

(10, 35814), (20, 35715), (21, 35706), (Start: 36 @35649 has 2 MA's), (Start: 47 @35625 has 216 MA's), (Start: 52 @35595 has 1 MA's), (53, 35580), (54, 35565), (62, 35496),

Gene: Tote_44 Start: 32509, Stop: 32327, Start Num: 47

Candidate Starts for Tote_44:

(10, 32698), (20, 32599), (21, 32590), (Start: 36 @32533 has 2 MA's), (Start: 47 @32509 has 216 MA's), (Start: 52 @32479 has 1 MA's), (53, 32464), (54, 32449), (62, 32380), (63, 32374),

Gene: Traft412_51 Start: 36936, Stop: 36778, Start Num: 47

Candidate Starts for Traft412_51:

(10, 37125), (20, 37026), (21, 37017), (Start: 36 @36960 has 2 MA's), (Start: 47 @36936 has 216 MA's), (Start: 52 @36906 has 1 MA's), (53, 36891), (54, 36876), (62, 36807),

Gene: Travvers_55 Start: 35940, Stop: 35755, Start Num: 40

Candidate Starts for Travvers_55:

(4, 36147), (6, 36144), (8, 36135), (Start: 40 @35940 has 116 MA's), (Start: 52 @35907 has 1 MA's), (53, 35892), (54, 35877), (58, 35844), (64, 35793),

Gene: Treddle_49 Start: 36714, Stop: 36532, Start Num: 47

Candidate Starts for Treddle_49:

(10, 36903), (20, 36804), (21, 36795), (Start: 36 @36738 has 2 MA's), (Start: 47 @36714 has 216 MA's), (Start: 52 @36684 has 1 MA's), (53, 36669), (54, 36654), (62, 36585), (63, 36579),

Gene: Trike_48 Start: 34612, Stop: 34412, Start Num: 45

Candidate Starts for Trike_48:

(2, 34885), (3, 34852), (Start: 45 @34612 has 115 MA's), (Start: 52 @34579 has 1 MA's), (53, 34564), (58, 34516), (62, 34480),

Gene: Tripl3t_48 Start: 36385, Stop: 36203, Start Num: 47

Candidate Starts for Tripl3t_48:

(10, 36574), (20, 36475), (21, 36466), (Start: 47 @36385 has 216 MA's), (Start: 52 @36355 has 1 MA's), (53, 36340), (54, 36325), (62, 36256), (63, 36250),

Gene: Tristan_52 Start: 37111, Stop: 36941, Start Num: 37

Candidate Starts for Tristan_52:

(17, 37210), (Start: 35 @37114 has 16 MA's), (Start: 37 @37111 has 26 MA's), (50, 37102), (53, 37069), (58, 37021), (59, 37018), (62, 36985),

Gene: Trixie_51 Start: 36209, Stop: 36030, Start Num: 39

Candidate Starts for Trixie_51:

(Start: 39 @36209 has 67 MA's), (50, 36191), (Start: 52 @36170 has 1 MA's), (54, 36140), (58, 36110),

Gene: Trooper_54 Start: 36492, Stop: 36310, Start Num: 39

Candidate Starts for Trooper_54:

(Start: 39 @36492 has 67 MA's), (Start: 52 @36459 has 1 MA's), (53, 36444), (58, 36399), (59, 36396), (62, 36363),

Gene: Trouble_51 Start: 37462, Stop: 37256, Start Num: 47

Candidate Starts for Trouble_51:

(10, 37651), (20, 37552), (21, 37543), (Start: 47 @37462 has 216 MA's), (Start: 52 @37432 has 1 MA's), (53, 37417), (54, 37402), (62, 37333), (63, 37327),

Gene: Tubs_53 Start: 36108, Stop: 35845, Start Num: 41

Candidate Starts for Tubs_53:

(Start: 41 @36108 has 57 MA's), (Start: 52 @36069 has 1 MA's), (53, 36054), (58, 36006), (62, 35970), (74, 35901), (79, 35883),

Gene: Tucker_55 Start: 35185, Stop: 35003, Start Num: 45

Candidate Starts for Tucker_55:

(Start: 45 @35185 has 115 MA's), (53, 35137), (56, 35110), (58, 35089), (62, 35053),

Gene: Turbido_54 Start: 36521, Stop: 36339, Start Num: 39

Candidate Starts for Turbido_54:

(Start: 36 @36527 has 2 MA's), (Start: 39 @36521 has 67 MA's), (50, 36509), (Start: 52 @36488 has 1 MA's), (53, 36473), (54, 36458), (58, 36428),

Gene: Turj99_47 Start: 35353, Stop: 35192, Start Num: 47

Candidate Starts for Turj99_47:

(10, 35542), (20, 35443), (21, 35434), (Start: 47 @35353 has 216 MA's), (Start: 52 @35323 has 1 MA's), (53, 35308), (54, 35293), (62, 35224),

Gene: Twigg_45 Start: 34779, Stop: 34609, Start Num: 45

Candidate Starts for Twigg_45:

(Start: 45 @34779 has 115 MA's), (Start: 52 @34746 has 1 MA's), (53, 34731), (55, 34713), (58, 34683), (59, 34680), (62, 34647),

Gene: Twister_48 Start: 35308, Stop: 35108, Start Num: 45

Candidate Starts for Twister_48:

(7, 35512), (Start: 45 @35308 has 115 MA's), (Start: 52 @35275 has 1 MA's), (53, 35260), (58, 35212), (62, 35176),

Gene: TwoPeat_49 Start: 35833, Stop: 35651, Start Num: 47

Candidate Starts for TwoPeat_49:

(10, 36022), (20, 35923), (21, 35914), (Start: 36 @35857 has 2 MA's), (Start: 47 @35833 has 216 MA's), (Start: 52 @35803 has 1 MA's), (53, 35788), (54, 35773), (62, 35704), (63, 35698),

Gene: U2_48 Start: 35994, Stop: 35812, Start Num: 47

Candidate Starts for U2_48:

(10, 36183), (20, 36084), (21, 36075), (Start: 36 @36018 has 2 MA's), (Start: 47 @35994 has 216 MA's), (Start: 52 @35964 has 1 MA's), (53, 35949), (54, 35934), (62, 35865), (63, 35859),

Gene: Ugenie5_50 Start: 36393, Stop: 36130, Start Num: 41

Candidate Starts for Ugenie5_50:

(Start: 41 @36393 has 57 MA's), (Start: 52 @36354 has 1 MA's), (53, 36339), (58, 36291), (59, 36288), (62, 36255), (74, 36186), (79, 36168),

Gene: UhSalsa_42 Start: 32172, Stop: 32017, Start Num: 44

Candidate Starts for UhSalsa_42:

(Start: 44 @32172 has 60 MA's), (53, 32124), (56, 32097), (62, 32040),

Gene: UnionJack_46 Start: 34271, Stop: 34101, Start Num: 45

Candidate Starts for UnionJack_46:

(Start: 45 @34271 has 115 MA's), (Start: 52 @34238 has 1 MA's), (53, 34223), (55, 34205), (58, 34175), (59, 34172), (62, 34139), (65, 34118),

Gene: Updawg_54 Start: 36374, Stop: 36192, Start Num: 39

Candidate Starts for Updawg_54:

(Start: 39 @36374 has 67 MA's), (Start: 52 @36341 has 1 MA's), (53, 36326), (58, 36281), (59, 36278), (62, 36245),

Gene: VC3_56 Start: 36359, Stop: 36174, Start Num: 40

Candidate Starts for VC3_56:

(Start: 40 @36359 has 116 MA's), (Start: 52 @36326 has 1 MA's), (53, 36311), (54, 36296), (58, 36263), (64, 36212),

Gene: Vanisoa_53 Start: 37020, Stop: 36766, Start Num: 41

Candidate Starts for Vanisoa_53:

(Start: 41 @37020 has 57 MA's), (49, 37011), (53, 36975), (58, 36927), (68, 36852), (72, 36831), (79, 36804),

Gene: Veracruz_50 Start: 35913, Stop: 35707, Start Num: 40

Candidate Starts for Veracruz_50:

(Start: 38 @35916 has 2 MA's), (Start: 40 @35913 has 116 MA's), (50, 35895), (Start: 52 @35874 has 1 MA's), (58, 35811), (62, 35775),

Gene: Violet_46 Start: 35771, Stop: 35589, Start Num: 47

Candidate Starts for Violet_46:

(10, 35960), (20, 35861), (21, 35852), (Start: 47 @35771 has 216 MA's), (Start: 52 @35741 has 1 MA's), (53, 35726), (54, 35711), (62, 35642), (63, 35636),

Gene: Vix_55 Start: 36192, Stop: 35986, Start Num: 40

Candidate Starts for Vix_55:

(21, 36252), (Start: 40 @36192 has 116 MA's), (Start: 52 @36153 has 1 MA's), (53, 36138), (58, 36090),

Gene: VohminGhazi_54 Start: 34994, Stop: 34812, Start Num: 45

Candidate Starts for VohminGhazi_54:

(Start: 45 @34994 has 115 MA's), (53, 34946), (55, 34928), (58, 34898), (62, 34862),

Gene: Waits_59 Start: 35332, Stop: 35150, Start Num: 44

Candidate Starts for Waits_59:

(Start: 44 @35332 has 60 MA's), (Start: 52 @35299 has 1 MA's), (58, 35236), (59, 35233), (62, 35200),

Gene: WalterMcMickey_48 Start: 35308, Stop: 35108, Start Num: 45

Candidate Starts for WalterMcMickey_48:

(7, 35512), (Start: 45 @35308 has 115 MA's), (Start: 52 @35275 has 1 MA's), (53, 35260), (58, 35212), (62, 35176),

Gene: Warrior24_61 Start: 35796, Stop: 35614, Start Num: 44

Candidate Starts for Warrior24_61:

(Start: 44 @35796 has 60 MA's), (Start: 52 @35763 has 1 MA's), (58, 35700), (59, 35697), (62, 35664),

Gene: Watermelon_49 Start: 36163, Stop: 35981, Start Num: 47

Candidate Starts for Watermelon_49:

(10, 36352), (20, 36253), (21, 36244), (Start: 36 @36187 has 2 MA's), (Start: 47 @36163 has 216 MA's), (Start: 52 @36133 has 1 MA's), (53, 36118), (54, 36103), (62, 36034), (63, 36028),

Gene: Watson_55 Start: 36101, Stop: 35895, Start Num: 40

Candidate Starts for Watson_55:

(21, 36161), (Start: 40 @36101 has 116 MA's), (Start: 52 @36062 has 1 MA's), (53, 36047), (58, 35999),

Gene: WeiHuaDA_55 Start: 37014, Stop: 36835, Start Num: 39

Candidate Starts for WeiHuaDA_55:

(Start: 39 @37014 has 67 MA's), (50, 36996), (Start: 52 @36975 has 1 MA's), (54, 36945), (58, 36915),

Gene: Whabigail7_54 Start: 36506, Stop: 36324, Start Num: 39

Candidate Starts for Whabigail7_54:

(Start: 36 @36512 has 2 MA's), (Start: 39 @36506 has 67 MA's), (50, 36494), (Start: 52 @36473 has 1 MA's), (53, 36458), (54, 36443), (58, 36413),

Gene: Wheeler_49 Start: 36207, Stop: 36022, Start Num: 47

Candidate Starts for Wheeler_49:

(10, 36396), (20, 36297), (21, 36288), (Start: 36 @36231 has 2 MA's), (Start: 47 @36207 has 216 MA's), (Start: 52 @36177 has 1 MA's), (53, 36162), (54, 36147), (62, 36078), (63, 36072),

Gene: Whitspit_46 Start: 33548, Stop: 33366, Start Num: 47

Candidate Starts for Whitspit_46:

(10, 33737), (20, 33638), (21, 33629), (Start: 36 @33572 has 2 MA's), (Start: 47 @33548 has 216 MA's), (Start: 52 @33518 has 1 MA's), (53, 33503), (54, 33488), (62, 33419), (63, 33413),

Gene: WideWale_54 Start: 36374, Stop: 36192, Start Num: 39

Candidate Starts for WideWale_54:

(Start: 39 @36374 has 67 MA's), (Start: 52 @36341 has 1 MA's), (53, 36326), (58, 36281), (59, 36278), (62, 36245),

Gene: Wiks_54 Start: 35087, Stop: 34905, Start Num: 45

Candidate Starts for Wiks_54:

(Start: 45 @35087 has 115 MA's), (53, 35039), (56, 35012), (58, 34991), (62, 34955),

Gene: Wilkins_48 Start: 35555, Stop: 35373, Start Num: 47

Candidate Starts for Wilkins_48:

(10, 35744), (20, 35645), (21, 35636), (Start: 36 @35579 has 2 MA's), (Start: 47 @35555 has 216 MA's), (Start: 52 @35525 has 1 MA's), (53, 35510), (54, 35495), (62, 35426),

Gene: Wolpertinger_51 Start: 35072, Stop: 34848, Start Num: 37

Candidate Starts for Wolpertinger_51:

(Start: 37 @35072 has 26 MA's), (50, 35054), (58, 34973), (59, 34970), (62, 34937), (72, 34877), (74, 34868),

Gene: Wooldri_57 Start: 36021, Stop: 35815, Start Num: 40

Candidate Starts for Wooldri_57:

(21, 36081), (Start: 40 @36021 has 116 MA's), (Start: 52 @35982 has 1 MA's), (53, 35967), (58, 35919),

Gene: WorldCup_52 Start: 35671, Stop: 35417, Start Num: 41

Candidate Starts for WorldCup_52:

(Start: 41 @35671 has 57 MA's), (49, 35662), (58, 35578), (59, 35575), (60, 35572), (68, 35503), (79, 35455),

Gene: WunderPhul_55 Start: 35085, Stop: 34903, Start Num: 45

Candidate Starts for WunderPhul_55:

(Start: 45 @35085 has 115 MA's), (53, 35037), (56, 35010), (58, 34989), (62, 34953),

Gene: XianYue_52 Start: 35878, Stop: 35696, Start Num: 39

Candidate Starts for XianYue_52:

(24, 35932), (Start: 39 @35878 has 67 MA's), (Start: 52 @35845 has 1 MA's), (53, 35830), (58, 35785), (59, 35782),

Gene: Yecey3_54 Start: 35682, Stop: 35422, Start Num: 41

Candidate Starts for Yecey3_54:

(Start: 41 @35682 has 57 MA's), (50, 35664), (53, 35631), (56, 35604), (58, 35583), (63, 35541), (79, 35460),

Gene: Yogi_41 Start: 32213, Stop: 32058, Start Num: 44

Candidate Starts for Yogi_41:

(Start: 44 @32213 has 60 MA's), (53, 32165), (56, 32138), (62, 32081),

Gene: Yokurt_55 Start: 35087, Stop: 34905, Start Num: 45

Candidate Starts for Yokurt_55:

(Start: 45 @35087 has 115 MA's), (53, 35039), (56, 35012), (58, 34991), (62, 34955),

Gene: Yoncess_41 Start: 31993, Stop: 31838, Start Num: 44

Candidate Starts for Yoncess_41:

(Start: 44 @31993 has 60 MA's), (53, 31945), (56, 31918), (62, 31861),

Gene: Zaka_55 Start: 35087, Stop: 34905, Start Num: 45

Candidate Starts for Zaka_55:

(Start: 45 @35087 has 115 MA's), (53, 35039), (56, 35012), (58, 34991), (62, 34955),

Gene: Zarafa_52 Start: 35849, Stop: 35652, Start Num: 41

Candidate Starts for Zarafa_52:

(Start: 41 @35849 has 57 MA's), (Start: 52 @35810 has 1 MA's), (58, 35747), (59, 35744), (62, 35711), (69, 35669),

Gene: Zeeculate_46 Start: 35816, Stop: 35634, Start Num: 47

Candidate Starts for Zeeculate_46:

(10, 36005), (20, 35906), (21, 35897), (Start: 36 @35840 has 2 MA's), (Start: 47 @35816 has 216 MA's), (Start: 52 @35786 has 1 MA's), (53, 35771), (54, 35756), (62, 35687), (63, 35681),

Gene: Zephyr_48 Start: 35656, Stop: 35474, Start Num: 47

Candidate Starts for Zephyr_48:

(10, 35845), (20, 35746), (21, 35737), (Start: 36 @35680 has 2 MA's), (Start: 47 @35656 has 216 MA's), (Start: 52 @35626 has 1 MA's), (53, 35611), (54, 35596), (62, 35527), (63, 35521),

Gene: Zetzy_54 Start: 35672, Stop: 35466, Start Num: 40

Candidate Starts for Zetzy_54:

(Start: 40 @35672 has 116 MA's), (Start: 52 @35633 has 1 MA's), (53, 35618), (58, 35570),

Gene: Zeuska_47 Start: 35747, Stop: 35565, Start Num: 47

Candidate Starts for Zeuska_47:

(10, 35936), (20, 35837), (21, 35828), (Start: 36 @35771 has 2 MA's), (Start: 47 @35747 has 216 MA's), (Start: 52 @35717 has 1 MA's), (53, 35702), (54, 35687), (62, 35618), (63, 35612),

Gene: Zimmer_50 Start: 36824, Stop: 36612, Start Num: 39

Candidate Starts for Zimmer_50:

(Start: 39 @36824 has 67 MA's), (50, 36806), (Start: 52 @36785 has 1 MA's), (53, 36776), (54, 36761), (58, 36728), (62, 36692), (63, 36686), (67, 36656), (72, 36632),

Gene: Zolita_46 Start: 35486, Stop: 35316, Start Num: 45

Candidate Starts for Zolita_46:

(Start: 45 @35486 has 115 MA's), (Start: 52 @35453 has 1 MA's), (53, 35438), (55, 35420), (58, 35390), (59, 35387), (62, 35354), (65, 35333), (66, 35321),

Gene: Zulu_56 Start: 35465, Stop: 35283, Start Num: 45

Candidate Starts for Zulu_56:

(Start: 45 @35465 has 115 MA's), (53, 35417), (56, 35390), (58, 35369), (62, 35333),