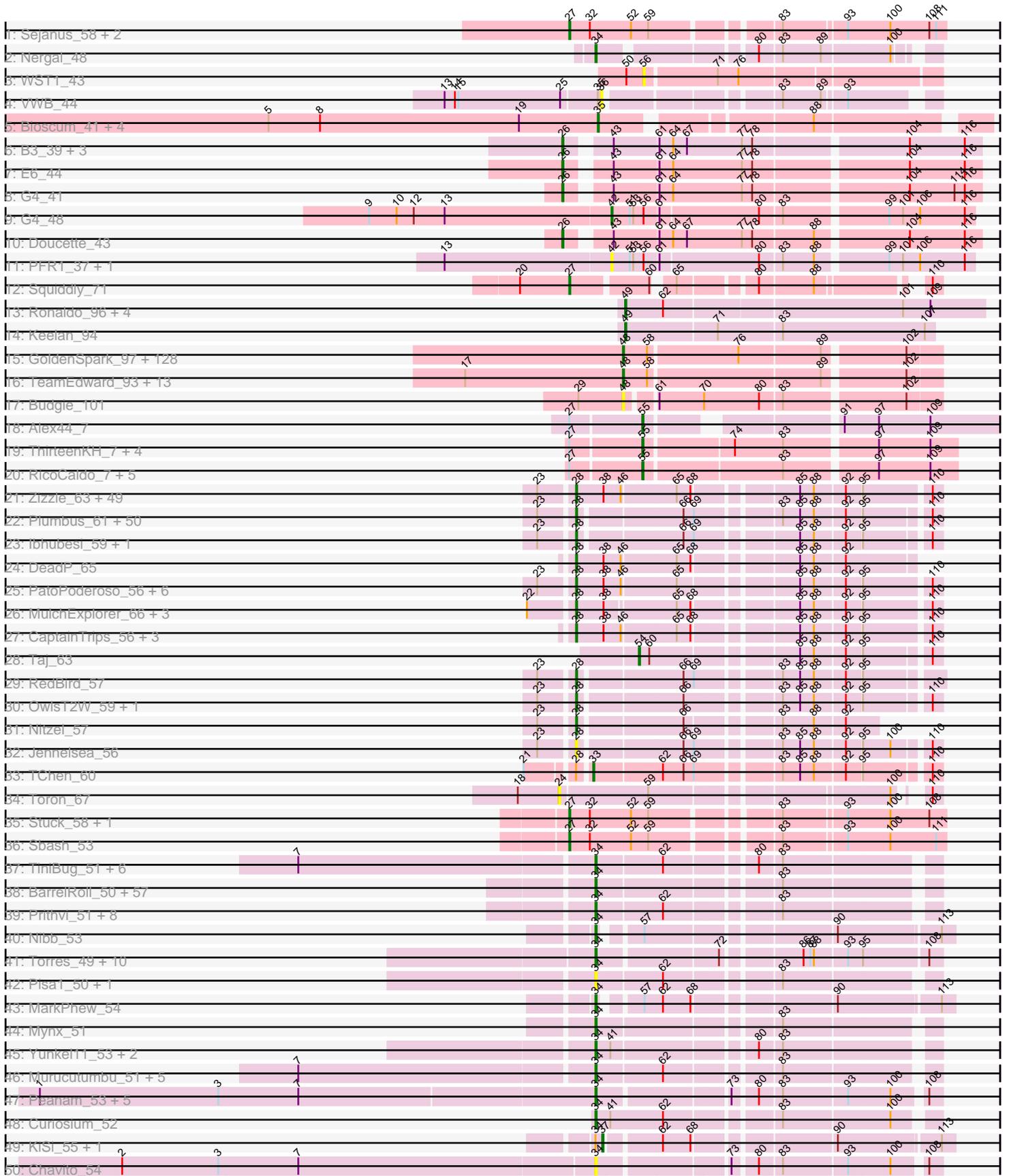
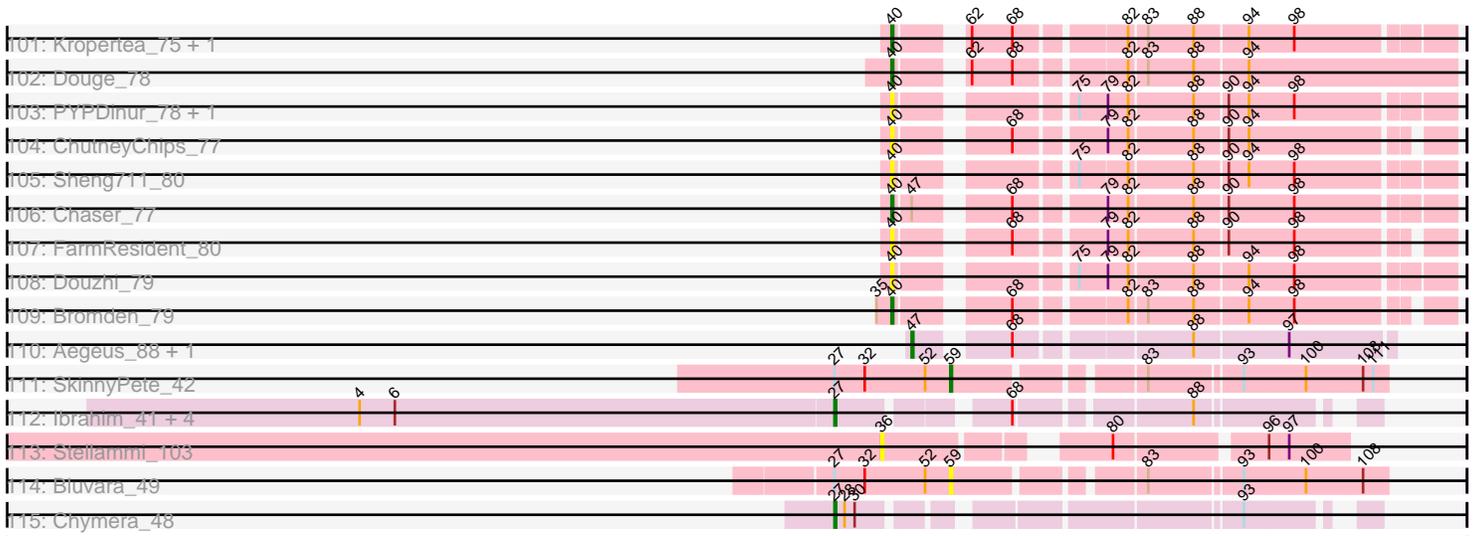


Pham 283359



Pham 283359



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 283359 Report

This analysis was run 02/23/26 on database version 636.

Pham number 283359 has 560 members, 72 are drafts.

Phages represented in each track:

- Track 1 : Sejanus_58, Charlie_44, Journey_43
- Track 2 : Nergal_48
- Track 3 : WST1_43
- Track 4 : VWB_44
- Track 5 : Bioscum_41, Lishka_37, PapayaSalad_40, Ididsumtinwong_41, Austintatious_37
- Track 6 : B3_39, B22_42, E1_40, Anatole_40
- Track 7 : E6_44
- Track 8 : G4_41
- Track 9 : G4_48
- Track 10 : Doucette_43
- Track 11 : PFR1_37, PFR2_39
- Track 12 : Squiddly_71
- Track 13 : Ronaldo_96, Ziko_96, Guey18_98, Volt_97, Fryberger_93
- Track 14 : Keelan_94
- Track 15 : GoldenSpark_97, Thimble_95, HanKaySha_94, Lilpickle_92, BigBubba_93, BilboSwaggins_91, Terminus_96, Highbury_92, CrystalP_92, Cjw1_94, YassJohnny_90, ShamWow_93, Cactus_96, ChosenOne_93, TeardropMSU_89, Inca_90, Youngblood_96, Henry_91, Simpliphy_92, GooberAzure_96, Xandras_92, Brewer_88, Holt_98, Contagion_89, MadamMonkfish_93, Murica_96, Paperbeatsrock_92, NoSleep_94, Nala_95, Flypotenuse_89, JeTaime_94, PaddyBaddy_94, Command613_95, OrionPax_92, Greep_97, Lilizi_94, Porky_92, Icee_94, Gemini_98, Kimchi_97, Tarkin_92, Gage_95, ShereKhan_91, Willez_88, Hopey_94, FireRed_97, Dusk_90, Dumbo_93, Quallification_94, Palpatine_95, FairyPath_93, Stark_95, Easy2Say_94, NelitzaMV_91, Eureka_92, Kanye_90, Hoonter_96, SirDuracell_93, BaboJay_93, Sotrice96_94, Murphy_93, MollyToe_88, Lilac_96, Goldilocks_96, StolenFromERC_96, Tuco_94, NonchalantPear_91, Miniwave_88, Amao_93, MISSy_94, Phrux_91, Glexan_92, Bruin_90, Thresher_96, Bench_96, Becksu_92, Rakim_94, Mosby_89, Marshmallow_91, Misfit_94, 244_94, AmericanBeauty_97, Myrale_93, Manda_95, Teaspoon_94, Nimrod_94, Pumpkin_97, Tomaszewski_88, ABCat_90, Sassay_88, Phaja_91, Goku_92, Argent26_97, IHOP_91, BadStone_90, Saints25_92, Asriel_91, SophKB_90, Elph10_94, DrDrey_93, TBrady12_96, PhatBacter_97, Toto_91, HufflyPuff_95, xkcd_96, MPhalcon_94, Harella_93, Adnama_97, Traaww1_89, Pharsalus_90, BugsBunny_93, Filch_95, Policronamos_96, Wiggin_95, Ukulele_88, Czyszczon1_94, Mindy_92, StellaBean_91, Kostya_93, Moldemort_96, Stank_95, Emmina_93, RiverMonster_94,

Elite2014_92, Bogg_93, Maxxinista_96, Barbarian_92, Ptowny_90, Phaux_96
• Track 16 : TeamEdward_93, Cookies_90, Buck_94, FoghornLeghorn_87, Balomoji_93, Rimmer_91, Bask21_93, DoctorDiddles_92, Gator_91, Daikon_94, StormChicken_95, Petra64142_98, Pat3_90, ChotaBhai_93
• Track 17 : Budgie_101
• Track 18 : Alex44_7
• Track 19 : ThirteenKH_7, Atraxi_7, Yafa_7, TrippleS_7, Morrill_7
• Track 20 : RicoCaldo_7, StagePhright_7, Astartes_7, PhriedRice_7, Fullmetal_7, Moleficent_7
• Track 21 : Zizzle_63, Phatniss_57, Llij_55, Scottish_57, Zerg_59, Soul22_65, Rockne_60, Koella_53, Peridot_60, Zapner_72, Totinger_58, ByChance_51, Rita_60, UncleRicky_58, Chuckly_62, Crumble_54, Fancypants_61, Marker_61, Drago_57, Karhdo_56, BobaPhett_63, Jabbawokkie_73, Dante_60, Tootsieroll_60, PMC_56, Blarby_71, Boomer_64, Firehouse51_60, Slim_60, Mutaforma13_63, Burwell21_57, SiSi_57, Pollywog_60, NormanBulbieJr_59, Priscilla_59, Alexphander_63, DaddyRickover_58, Doug_61, Madiba_57, DirtMcgirt_58, Jarcob_59, OldBen_56, Mova_60, Emmaloid_60, ShiLan_58, MadMen_57, Cabrinians_60, LittleShirley_58, Rialto_65, Lorde_59
• Track 22 : Plumbus_61, SimranZ1_59, Daenerys_53, AlpineSix_64, Doomslug_68, Job42_61, Pacc40_53, LunaBlu_61, Nivrat_55, Dorothy_57, KingMidas_58, Sebastian_64, Jinglebell_64, Ochi17_62, Leozinho_58, DosHalletts_61, Stap_57, Modragons_63, Avani_67, Inventum_54, Clank_64, Phasih_57, Leperchaun_51, Girr_57, JoeyJr_54, PHappiness_54, Ruby_55, Mwanjiwa_65, Cornucopia_61, NewHope4_60, Polo2Bam_64, Doomphist_59, Empress_57, Fastidio_59, Poenanya_59, Estave1_62, LilMoolah_57, Sassafras_57, DRBy19_62, OfUltron_64, Oksu_63, Spoonbill_56, Llama_64, RitaG_54, DillTech15_56, MisterCuddles_57, Galactic_58, Enzomatic_65, Philus_62, Polka14_57, BodEinwohner17_59
• Track 23 : lbhubesi_59, Veteran_56
• Track 24 : DeadP_65
• Track 25 : PatoPoderoso_56, Eish_63, EmiMonkey_57, KingJulian_59, DaWorst_60, PhilipPhlop_59, Corium_56
• Track 26 : MulchExplorer_66, QuickMath_61, Kimberlium_62, Topiatin_67
• Track 27 : CaptainTrips_56, SG4_56, lbOuu_60, Enby_60
• Track 28 : Taj_63
• Track 29 : RedBird_57
• Track 30 : OwlsT2W_59, Grimmer_69
• Track 31 : Nitzel_57
• Track 32 : Jennelsea_56
• Track 33 : TChen_60
• Track 34 : Toron_67
• Track 35 : Stuck_58, Shweta_42
• Track 36 : Sbash_53
• Track 37 : TiniBug_51, SamuelLPlaqson_51, DartGoblin_53, DrHayes_51, Bella96_51, Anma_52, Urkel_51
• Track 38 : BarrelRoll_50, MacKat_45, AlishaPH_50, BaghaKamala_49, Bern_51, Asayake_50, Atiba_51, CallaLilly_50, Adephagia_50, Veliki_51, Beezoo_52, JAWS_50, Ramen_51, ActinUp_50, Hyperbowlee_50, CREW_50, Slimphazie_50, TruffulaTree_50, Zavala_52, Adonis_50, Capricorn_50, MeaningOfLife_51, Spock_50, QuincyRose_49, Clipper_53, Durfee_50, Sulley_50, Tachez_50, Jayhawk_51, Rapunzel97_51, CaseJules_52, Topper_50, Dalmuri_50, Rosmarinus_50, Apocalypse_53, Joy99_50, CheetoDust_49, Blizzard_50, Zabiza_45, Belladonna_50, Homura_50, YoureAdopted_49, Inky_50, Lunahalos_50, TaiwanKao_52, HedwigODU_50, Peel_50, Llorens_50, Padfoot_50, Jeckyll_50,

Boiiii_50, BGlluviae_50, BEEST_50, Ganymede_51, Piatt_50, ShiaSurprise_51, Jarvi_50, Twitch_50

- Track 39 : Prithvi_51, CrimD_50, Megsy_52, LindNT_49, TreyKay_51, LaterM_51, Deby_50, Tiri_51, Pokerus_49
- Track 40 : Nibb_53
- Track 41 : Torres_49, Nutello_46, Mdavu_47, SgtBeansprout_46, Trice_46, Enkosi_48, Amelie_46, Teejan_48, LilPharaoh_46, Biglebops_46, Nikao_49
- Track 42 : Pisa1_50, Pisa4_44
- Track 43 : MarkPhew_54
- Track 44 : Mynx_51
- Track 45 : Yunkel11_53, Efra2_53, TingHuaYa_51
- Track 46 : Murucutumbu_51, Illumine_53, Dole_53, Ageofdapage_52, Devera_55, Stinson_51
- Track 47 : Peanam_53, Dartin_53, Shaobing_53, Richo_53, McMater_53, Niklas_53
- Track 48 : Curiosium_52
- Track 49 : KiSi_55, LeMond_55
- Track 50 : Chavito_54
- Track 51 : Chris_53
- Track 52 : Geraldini_53
- Track 53 : Angelica_50
- Track 54 : Oscar_55
- Track 55 : Guanica15_53
- Track 56 : Anaya_52
- Track 57 : Emerson_51, Padpat_52
- Track 58 : Validus_55
- Track 59 : Scarlett_55
- Track 60 : LastHope_53
- Track 61 : Findley_54, DismalFunk_54, Milly_54, Marcoliusprime_54, DismalStressor_54
- Track 62 : ZoeJ_53
- Track 63 : Strobilo_54, TM4_49
- Track 64 : BoostSeason_54, Doughnut_54
- Track 65 : Mufasa_54
- Track 66 : Hurricane_53
- Track 67 : Lea83_53
- Track 68 : Pixie_52, Keshu_55, TBond007_51, ShedlockHolmes_54
- Track 69 : Pharb_50
- Track 70 : Bryler_54, Cain_54, Tierra_54, PhelpsODU_53, Phrank_54, Unicorn_53
- Track 71 : Ekdilam_50
- Track 72 : Syra333_56, Tigress9_57
- Track 73 : TClif_54
- Track 74 : Fefferhead_51, Applecrisp_50, Ellie_49
- Track 75 : Amohnition_53, DarthP_53, Hammy_53, November_51
- Track 76 : Krueger_57
- Track 77 : Yuna_57
- Track 78 : Shadow1_56, Sunflower1121_57, Ximenita_57
- Track 79 : Marshawn_53
- Track 80 : Lavahound_52, Amgine_51
- Track 81 : SirPhilip_53
- Track 82 : Acquire49_78, MAckerman_76, Zaria_79, Wyatt2_79
- Track 83 : Enceladus_75
- Track 84 : DirkDirk_75, OhShagHennessy_75, JoeDirt_78, Appletree2_77, Poochiewood_76

- Track 85 : Wamburgxpress_78, LeBron_77, CicholasNage_75, UPIE_77, AvadaKedavra_78, Rose5_78
- Track 86 : Halena_76, Calm_80, Tyson_79, Silverleaf_78
- Track 87 : Itos_80, Breezona_81, Gardann_81, MkaliMitinis3_82, Winky_81, Miley16_81, Faith1_81, Zakai_82, Wilder_82, Rumpelstiltskin_78, Kahlid_81
- Track 88 : Archie_78
- Track 89 : Tourach_80
- Track 90 : Claus_80
- Track 91 : Finemlucis_80
- Track 92 : Bazzle_78
- Track 93 : Whirlwind_80, Krypton555_80
- Track 94 : Nicholas_77, Clautastrophe_77, Kingsolomon_77, Snenia_78, Finnry_79, TriFive_80, Bellis_79, Jobypre_79, MsGreen_79, Jubie_78
- Track 95 : Lolly9_78, MiniMac_83
- Track 96 : Ellson_78, KirDoubleO7_77, BourbonZero_80, LiyuLake_78
- Track 97 : Moostard_77, Red305_80, Samty_78
- Track 98 : DuncansLeg_79
- Track 99 : MiniLon_83
- Track 100 : Quby_79
- Track 101 : Kropertea_75, DyoEdafos_83
- Track 102 : Douge_78
- Track 103 : PYPDinur_78, BrainDrainer_79
- Track 104 : ChutneyChips_77
- Track 105 : Sheng711_80
- Track 106 : Chaser_77
- Track 107 : FarmResident_80
- Track 108 : Douzhi_79
- Track 109 : Bromden_79
- Track 110 : Aegeus_88, Baudelaire_88
- Track 111 : SkinnyPete_42
- Track 112 : Ibrahim_41, Nairb_40, ZenTime222_40, Bernal13_41, RonRayGun_41
- Track 113 : Stellammi_103
- Track 114 : Bluvara_49
- Track 115 : Chymera_48

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

The start number called the most often in the published annotations is 48, it was called in 127 of the 488 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_94, ABCat_90, Adnama_97, Amao_93, AmericanBeauty_97, Argent26_97, Asriel_91, BaboJay_93, BadStone_90, Balomoji_93, Barbarian_92, Bask21_93, Becksu_92, Bench_96, BigBubba_93, BilboSwaggins_91, Bogg_93, Brewer_88, Bruin_90, Buck_94, Budgie_101, BugsBunny_93, Cactus_96, ChosenOne_93, ChotaBhai_93, Cjw1_94, Command613_95, Contagion_89, Cookies_90, CrystalP_92, Czyszczonek1_94, Daikon_94, DoctorDiddles_92, DrDrey_93, Dumbo_93, Dusk_90, Easy2Say_94, Elite2014_92, Elph10_94, Emmina_93, Eureka_92, FairyPath_93, Filch_95, FireRed_97, Flypotenuse_89, FoghornLeghorn_87, Gage_95, Gator_91, Gemini_98, Glexan_92, Goku_92, GoldenSpark_97,

Goldilocks_96, GooberAzure_96, Greep_97, HanKaySha_94, Harella_93, Henry_91, Highbury_92, Holt_98, Hoonter_96, Hopey_94, HufflyPuff_95, IHOP_91, Icee_94, Inca_90, JeTaime_94, Kanye_90, Kimchi_97, Kostya_93, Lilac_96, Lilizi_94, Lilpickle_92, MISSy_94, MPhalcon_94, MadamMonkfish_93, Manda_95, Marshmallow_91, Maxxinista_96, Mindy_92, Miniwave_88, Misfit_94, Moldemort_96, MollyToe_88, Mosby_89, Murica_96, Murphy_93, Myrale_93, Nala_95, NelitzaMV_91, Nimrod_94, NoSleep_94, NonchalantPear_91, OrionPax_92, PaddyBaddy_94, Palpatine_95, Paperbeatsrock_92, Pat3_90, Petra64142_98, Phaja_91, Pharsalus_90, PhatBacter_97, Phaux_96, Phrux_91, Policronamos_96, Porky_92, Ptowny_90, Pumpkin_97, Qualification_94, Rakim_94, Rimmer_91, RiverMonster_94, Saints25_92, Sassay_88, ShamWow_93, ShereKhan_91, Simpliphy_92, SirDuracell_93, SophKB_90, Sotrice96_94, Stank_95, Stark_95, StellaBean_91, StolenFromERC_96, StormChicken_95, TBrady12_96, Tarkin_92, TeamEdward_93, TeardropMSU_89, Teaspoon_94, Terminus_96, Thimble_95, Thresher_96, Tomaszewski_88, Toto_91, Traaww1_89, Tuco_94, Ukulele_88, Wiggin_95, Willez_88, Xandras_92, YassJohnny_90, Youngblood_96, xkcd_96,

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

- BoostSeason_54, DismalFunk_54, DismalStressor_54, Doughnut_54, Findley_54, Marcoliusprime_54, Milly_54, Mufasa_54, Strobilo_54, TM4_49, ZoeJ_53,

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

- Acquire49_78, ActinUp_50, Adephagia_50, Adonis_50, Aegeus_88, Ageofdapage_52, Alex44_7, Alexphander_63, AlishaPH_50, AlpineSix_64, Amelie_46, Amgine_51, Amohntion_53, Anatole_40, Anaya_52, Angelica_50, Anma_52, Apocalypse_53, Applecrisp_50, Appletree2_77, Archie_78, Asayake_50, Astartes_7, Atiba_51, Atraxi_7, Austintatious_37, AvadaKedavra_78, Avani_67, B22_42, B3_39, BEEST_50, BGlluviae_50, BaghaKamala_49, BarrelRoll_50, Baudelaire_88, Bazzle_78, Beezoo_52, Bella96_51, Belladonna_50, Bellis_79, Bern_51, Bernal13_41, Binglebops_46, Bioscum_41, Blarby_71, Blizzard_50, Bluvara_49, BobaPhett_63, BodEinwohner17_59, Boiiii_50, Boomer_64, BourbonZero_80, BrainDrainer_79, Breezona_81, Bromden_79, Bryler_54, Burwell21_57, ByChance_51, CREW_50, Cabrinians_60, Cain_54, CallaLilly_50, Calm_80, Capricorn_50, CaptainTrips_56, CaseJules_52, Charlie_44, Chaser_77, Chavito_54, CheetoDust_49, Chris_53, Chuckly_62, ChutneyChips_77, Chymera_48, CicholasNage_75, Clank_64, Claus_80, Clautastrophe_77, Clipper_53, Corium_56, Cornucopia_61, CrimD_50, Crumble_54, Curiosium_52, DRBy19_62, DaWorst_60, DaddyRickover_58, Daenerys_53, Dalmuri_50, Dante_60, DartGoblin_53, DarthP_53, Dartin_53, DeadP_65, Deby_50, Devera_55, DillTech15_56, DirkDirk_75, DirtMcgirt_58, Dole_53, Doomphist_59, Doomslug_68, Dorothy_57, DosHalletts_61, Doucette_43, Doug_61, Douge_78, Douzhi_79, DrHayes_51, Drago_57, DuncansLeg_79, Durfee_50, DyoEdafos_83, E1_40, E6_44, Efra2_53, Eish_63, Ekdilam_50, Ellie_49, Ellson_78, Emerson_51, EmiMonkey_57, Emmaloid_60, Empress_57, Enby_60, Enceladus_75, Enkosi_48, Enzomatic_65, Estave1_62, Faith1_81, Fancypants_61, FarmResident_80, Fastidio_59, Fefferhead_51, Finemlucis_80, Finnry_79, Firehouse51_60, Fryberger_93, Fullmetal_7, G4_41, G4_48, Galactic_58, Ganymede_51, Gardann_81, Geraldini_53, Girr_57, Grimmer_69, Guanica15_53, Guey18_98, Halena_76, Hammy_53, HedwigODU_50, Homura_50, Hurricane_53, Hyperbowlee_50, IbOuu_60, Ibhubesi_59, Ibrahim_41, Ididsumtinwong_41, Illumine_53, Inky_50, Inventum_54, Itos_80, JAWS_50, Jabbawokkie_73, Jarcob_59, Jarvi_50, Jayhawk_51, Jeckyll_50, Jennelsea_56, Jinglebell_64, Job42_61, Jobypre_79, JoeDirt_78, JoeyJr_54, Journey_43, Joy99_50, Jubie_78, Kahlid_81, Karhdo_56, Keelan_94, Keshu_55, KiSi_55,

Kimberlium_62, KingJulian_59, KingMidas_58, Kingsolomon_77, KirDoubleO7_77, Koella_53, Kropertea_75, Krueger_57, Krypton555_80, LastHope_53, LaterM_51, Lavahound_52, LeBron_77, LeMond_55, Lea83_53, Leozinho_58, Leperchaun_51, LilMoolah_57, LilPharaoh_46, LindNT_49, Lishka_37, LittleShirley_58, LiyuLake_78, Llama_64, Llij_55, Llorens_50, Lolly9_78, Lorde_59, LunaBlu_61, Lunahalos_50, MAckerman_76, MacKat_45, MadMen_57, Madiba_57, MarkPheW_54, Marker_61, Marshawn_53, McMater_53, Mdavu_47, MeaningOfLife_51, Megsy_52, Miley16_81, MiniLon_83, MiniMac_83, MisterCuddles_57, MkaliMitinis3_82, Modragons_63, Moleficent_7, Moostard_77, Morrill_7, Mova_60, MsGreen_79, MulchExplorer_66, Murucutumbu_51, Mutaforma13_63, Mwanjiwa_65, Mynx_51, Nairb_40, Nergal_48, NewHope4_60, Nibb_53, Nicholas_77, Nikao_49, Niklas_53, Nitzel_57, Nivrat_55, NormanBulbieJr_59, November_51, Nutello_46, Ochi17_62, OfUltron_64, OhShagHennessy_75, Oksu_63, OldBen_56, Oscar_55, OwlsT2W_59, PFR1_37, PFR2_39, PHappiness_54, PMC_56, PYPDinur_78, Pacc40_53, Padfoot_50, Padpat_52, PapayaSalad_40, PatoPoderoso_56, Peanam_53, Peel_50, Peridot_60, Pharb_50, Phasih_57, Phatniss_57, PhelpsODU_53, Philus_62, PhilipPhlop_59, Phrank_54, PhriedRice_7, Piatt_50, Pisa1_50, Pisa4_44, Pixie_52, Plumbus_61, Poenanya_59, Pokerus_49, Polka14_57, Pollywog_60, Polo2Bam_64, Poochiewood_76, Priscilla_59, Prithvi_51, Quby_79, QuickMath_61, QuincyRose_49, Ramen_51, Rapunzel97_51, Red305_80, RedBird_57, Rialto_65, Richo_53, RicoCaldo_7, RitaG_54, Rita_60, Rockne_60, RonRayGun_41, Ronaldo_96, Rose5_78, Rosmarinus_50, Ruby_55, Rumpelstiltskin_78, SG4_56, Samty_78, SamuelLPlaqson_51, Sassafras_57, Sbash_53, Scarlett_55, Scottish_57, Seabastian_64, Sejanus_58, SgtBeansprout_46, Shadow1_56, Shaobing_53, ShedlockHolmes_54, Sheng711_80, ShiLan_58, ShiaSurprise_51, Shweta_42, SiSi_57, Silverleaf_78, SimranZ1_59, SirPhilip_53, SkinnyPete_42, Slim_60, Slimphazie_50, Snenia_78, Soul22_65, Spock_50, Spoonbill_56, Squiddly_71, StagePhright_7, Stap_57, Stellammi_103, Stinson_51, Stuck_58, Sulley_50, Sunflower1121_57, Syra333_56, TBond007_51, TChen_60, TClif_54, Tachez_50, TaiwanKao_52, Taj_63, Teejan_48, ThirteenKH_7, Tierra_54, Tigress9_57, TingHuaYa_51, TiniBug_51, Tiri_51, Tootsieroll_60, Topiatin_67, Topper_50, Toron_67, Torres_49, Totinger_58, Tourach_80, TreyKay_51, TriFive_80, Trice_46, TrippleS_7, TruffulaTree_50, Twitch_50, Tyson_79, UPIE_77, UncleRicky_58, Unicorn_53, Urkel_51, VWB_44, Validus_55, Veliki_51, Veteran_56, Volt_97, WST1_43, Wamburgexpress_78, Whirlwind_80, Wilder_82, Winky_81, Wyatt2_79, Ximenita_57, Yafa_7, YoureAdopted_49, Yuna_57, Yunkel11_53, Zabiza_45, Zakai_82, Zapner_72, Zaria_79, Zavala_52, ZenTime222_40, Zerg_59, Ziko_96, Zizzle_63,

Summary by start number:

Start 24:

- Found in 1 of 560 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Toron_67 (F6),

Start 26:

- Found in 7 of 560 (1.2%) of genes in pham
- Manual Annotations of this start: 7 of 488
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anatole_40 (BV), B22_42 (BW), B3_39 (BV), Doucette_43 (BW), E1_40 (BV), E6_44 (BW), G4_41 (BW),

Start 27:

- Found in 27 of 560 (4.8%) of genes in pham
- Manual Annotations of this start: 12 of 488
- Called 48.1% of time when present
- Phage (with cluster) where this start called: Bernal13_41 (T), Charlie_44 (N), Chymera_48 (singleton), Ibrahim_41 (T), Journey_43 (N), Nairb_40 (T), RonRayGun_41 (T), Sbash_53 (I2), Sejanus_58 (AD), Shweta_42 (N), Squiddly_71 (DN2), Stuck_58 (I2), ZenTime222_40 (T),

Start 28:

- Found in 126 of 560 (22.5%) of genes in pham
- Manual Annotations of this start: 107 of 488
- Called 98.4% of time when present
- Phage (with cluster) where this start called: Alexphander_63 (F1), AlpineSix_64 (F1), Avani_67 (F2), Blarby_71 (F), BobaPhett_63 (F1), BodEinwohner17_59 (F1), Boomer_64 (F1), Burwell21_57 (F1), ByChance_51 (F1), Cabrinians_60 (F1), CaptainTrips_56 (F1), Chuckly_62 (F1), Clank_64 (F), Corium_56 (F1), Cornucopia_61 (F1), Crumble_54 (F1), DRBy19_62 (F1), DaWorst_60 (F1), DaddyRickover_58 (F1), Daenerys_53 (F1), Dante_60 (F1), DeadP_65 (F1), DillTech15_56 (F1), DirtMcgirt_58 (F1), Doomphist_59 (F1), Doomslug_68 (F), Dorothy_57 (F1), DosHalletts_61 (F1), Doug_61 (F1), Drago_57 (F1), Eish_63 (F1), EmiMonkey_57 (F1), Emmaloid_60 (F1), Empress_57 (F1), Enby_60 (F1), Enzomatic_65 (F1), Estave1_62 (F1), Fancypants_61 (F1), Fastidio_59 (F1), Firehouse51_60 (F1), Galactic_58 (F1), Girr_57 (F1), Grimmer_69 (F1), IbOuu_60 (F1), Ibhuesi_59 (F1), Inventum_54 (F1), Jabbawokkie_73 (F2), Jarcob_59 (F1), Jennelsea_56 (F1), Jinglebell_64 (F1), Job42_61 (F1), JoeyJr_54 (F1), Karhdo_56 (F1), Kimberlium_62 (F1), KingJulian_59 (F1), KingMidas_58 (F1), Koella_53 (F1), Leozinho_58 (F1), Leperchaun_51 (F1), LilMoolah_57 (F1), LittleShirley_58 (F1), Llama_64 (F1), Llij_55 (F1), Lorde_59 (F1), LunaBlu_61 (F1), MadMen_57 (F1), Madiba_57 (F1), Marker_61 (F1), MisterCuddles_57 (F1), Modragons_63 (F1), Mova_60 (F1), MulchExplorer_66 (F1), Mutaforma13_63 (F1), Mwanjiwa_65 (F1), NewHope4_60 (F1), Nitzel_57 (F1), Nivrat_55 (F1), NormanBulbieJr_59 (F1), Ochi17_62 (F1), OfUltron_64 (F1), Oksu_63 (F1), OldBen_56 (F1), OwlsT2W_59 (F1), PHappiness_54 (F1), PMC_56 (F1), Pacc40_53 (F1), PatoPoderoso_56 (F1), Peridot_60 (F1), Phasih_57 (F1), Phatniss_57 (F1), Philus_62 (F1), PhilipPhlop_59 (F1), Plumbus_61 (F1), Poenanya_59 (F1), Polka14_57 (F1), Pollywog_60 (F1), Polo2Bam_64 (F1), Priscilla_59 (F1), QuickMath_61 (F1), RedBird_57 (F1), Rialto_65 (F1), RitaG_54 (F1), Rita_60 (F1), Rockne_60 (F1), Ruby_55 (F1), SG4_56 (F1), Sassafras_57 (F1), Scottish_57 (F1), Sebastian_64 (F1), ShiLan_58 (F1), SiSi_57 (F1), SimranZ1_59 (F1), Slim_60 (F1), Soul22_65 (F2), Spoonbill_56 (F1), Stap_57 (F1), Tootsieroll_60 (F1), Topiatin_67 (F1), Totinger_58 (F1), UncleRicky_58 (F1), Veteran_56 (F1), Zapner_72 (F2), Zerg_59 (F1), Zizzle_63 (F1),

Start 31:

- Found in 7 of 560 (1.2%) of genes in pham
- Manual Annotations of this start: 7 of 488
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hurricane_53 (K3), Keshu_55 (K3), Lea83_53 (K3), Pharb_50 (K3), Pixie_52 (K3), ShedlockHolmes_54 (K3), TBond007_51 (K3),

Start 33:

- Found in 1 of 560 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 488
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TChen_60 (F4),

Start 34:

- Found in 136 of 560 (24.3%) of genes in pham
- Manual Annotations of this start: 119 of 488
- Called 97.1% of time when present
- Phage (with cluster) where this start called: ActinUp_50 (K1), Adephagia_50 (K1), Adonis_50 (K1), Ageofdapage_52 (K1), AlishaPH_50 (K1), Amelie_46 (K1), Anaya_52 (K1), Angelica_50 (K1), Anma_52 (K1), Apocalypse_53 (K1), Asayake_50 (K1), Atiba_51 (K1), BEEST_50 (K1), BGlluviae_50 (K1), BaghaKamala_49 (K1), BarrelRoll_50 (K1), Beezoo_52 (K1), Bella96_51 (K1), Belladonna_50 (K1), Bern_51 (K1), Binglebops_46 (K1), Blizzard_50 (K1), Boiiii_50 (K1), Bryler_54 (K6), CREW_50 (K1), Cain_54 (K6), CallaLilly_50 (K1), Capricorn_50 (K1), CaseJules_52 (K1), Chavito_54 (K1), CheetoDust_49 (K1), Chris_53 (K1), Clipper_53 (K1), CrimD_50 (K1), Curiosium_52 (K1), Dalmuri_50 (K1), DartGoblin_53 (K1), Dartin_53 (K1), Deby_50 (K1), Devera_55 (K1), Dole_53 (K1), DrHayes_51 (K1), Durfee_50 (K1), Efra2_53 (K1), Emerson_51 (K1), Enkosi_48 (K1), Ganymede_51 (K1), Geraldini_53 (K1), HedwigODU_50 (K1), Homura_50 (K1), Hyperbowlee_50 (K1), Illumine_53 (K1), Inky_50 (K1), JAWS_50 (K1), Jarvi_50 (K1), Jayhawk_51 (K1), Jeckyll_50 (K1), Joy99_50 (K1), Krueger_57 (K6), LaterM_51 (K1), LilPharaoh_46 (K1), LindNT_49 (K1), Llorens_50 (K1), Lunahalos_50 (K1), MacKat_45 (K1), MarkPheW_54 (K1), Marshawn_53 (K6), McMater_53 (K1), Mdavu_47 (K1), MeaningOfLife_51 (K1), Megsy_52 (K1), Murucutumbu_51 (K1), Mynx_51 (K1), Nergal_48 (AG), Nibb_53 (K1), Nikao_49 (K1), Niklas_53 (K1), Nutello_46 (K1), Oscar_55 (K1), Padfoot_50 (K1), Padpat_52 (K1), Peanam_53 (K1), Peel_50 (K1), PhelpsODU_53 (K6), Phrank_54 (K6), Piatt_50 (K1), Pisa1_50 (K1), Pisa4_44 (K1), Pokerus_49 (K1), Prithvi_51 (K1), QuincyRose_49 (K1), Ramen_51 (K1), Rapunzel97_51 (K1), Richo_53 (K1), Rosmarinus_50 (K1), SamuelLPlaqson_51 (K1), Scarlett_55 (K1), SgtBeansprout_46 (K1), Shadow1_56 (K6), Shaobing_53 (K1), ShiaSurprise_51 (K1), SirPhilip_53 (K6), Slimphazie_50 (K1), Spock_50 (K1), Stinson_51 (K1), Sulley_50 (K1), Sunflower1121_57 (K6), Syra333_56 (K6), Tachez_50 (K1), TaiwanKao_52 (K1), Teejan_48 (K1), Tierra_54 (K6), Tigress9_57 (K6), TingHuaYa_51 (K1), TiniBug_51 (K1), Tiri_51 (K1), Topper_50 (K1), Torres_49 (K1), TreyKay_51 (K1), Trice_46 (K1), TruffulaTree_50 (K1), Twitch_50 (K1), Unicorn_53 (K6), Urkel_51 (K1), Validus_55 (K1), Veliki_51 (K1), Ximenita_57 (K6), YoureAdopted_49 (K1), Yuna_57 (K6), Yunkel11_53 (K1), Zabiza_45 (K1), Zavala_52 (K1),

Start 35:

- Found in 29 of 560 (5.2%) of genes in pham
- Manual Annotations of this start: 22 of 488
- Called 79.3% of time when present
- Phage (with cluster) where this start called: Amgine_51 (K6), Amohnition_53 (K6), Applecrisp_50 (K6), Austintatious_37 (BC3), Bioscum_41 (BC3), BoostSeason_54 (K2), DarthP_53 (K6), DismalFunk_54 (K2), DismalStressor_54 (K2), Doughnut_54 (K2), Ekdilam_50 (K6), Ellie_49 (K6), Fefferhead_51 (K6), Findley_54 (K2), Hammy_53 (K6), Ididsumtinwong_41 (BC3), Lavahound_52 (K6), Lishka_37 (BC3), Marcoliusprime_54 (K2), Milly_54 (K2), November_51 (K6), PapayaSalad_40 (BC3), TClif_54 (K6),

Start 36:

- Found in 13 of 560 (2.3%) of genes in pham
- Manual Annotations of this start: 4 of 488
- Called 46.2% of time when present
- Phage (with cluster) where this start called: Mufasa_54 (K2), Stellammi_103 (UNK), Strobilo_54 (K2), TM4_49 (K2), VWB_44 (BA), ZoeJ_53 (K2),

Start 37:

- Found in 10 of 560 (1.8%) of genes in pham
- Manual Annotations of this start: 2 of 488
- Called 20.0% of time when present
- Phage (with cluster) where this start called: KiSi_55 (K1), LeMond_55 (K1),

Start 39:

- Found in 59 of 560 (10.5%) of genes in pham
- Manual Annotations of this start: 37 of 488
- Called 64.4% of time when present
- Phage (with cluster) where this start called: Acquire49_78 (L1), Appletree2_77 (L1), Archie_78 (L2), Bazzle_78 (L2), Bellis_79 (L3), Breezona_81 (L2), Claus_80 (L2), Clautastrophe_77 (L3), DirkDirk_75 (L1), DuncansLeg_79 (L3), Faith1_81 (L2), Finemlucis_80 (L2), Finnry_79 (L3), Gardann_81 (L2), Itos_80 (L2), Jobypre_79 (L3), JoeDirt_78 (L1), Jubie_78 (L3), Kahlid_81 (L2), Kingsolomon_77 (L3), Krypton555_80 (L3), MAckerman_76 (L1), Miley16_81 (L2), MiniLon_83 (L3), MkaliMitinis3_82 (L2), MsGreen_79 (L3), Nicholas_77 (L3), OhShagHennessy_75 (L1), Poochiewood_76 (L1), Rumpelstiltskin_78 (L2), Snenia_78 (L3), TriFive_80 (L3), Whirlwind_80 (L3), Wilder_82 (L2), Winky_81 (L2), Wyatt2_79 (L1), Zakai_82 (L2), Zaria_79 (L1),

Start 40:

- Found in 12 of 560 (2.1%) of genes in pham
- Manual Annotations of this start: 4 of 488
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BrainDrainer_79 (L4), Bromden_79 (L4), Chaser_77 (L4), ChutneyChips_77 (L4), Douge_78 (L4), Douzhi_79 (L4), DyoEdafos_83 (L4), FarmResident_80 (L4), Kropertea_75 (L4), PYPDinur_78 (L4), Quby_79 (L4), Sheng711_80 (L4),

Start 41:

- Found in 7 of 560 (1.2%) of genes in pham
- Manual Annotations of this start: 2 of 488
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Guanica15_53 (K1), LastHope_53 (K1),

Start 42:

- Found in 3 of 560 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 488
- Called 100.0% of time when present
- Phage (with cluster) where this start called: G4_48 (BW), PFR1_37 (BX), PFR2_39 (BX),

Start 47:

- Found in 48 of 560 (8.6%) of genes in pham
- Manual Annotations of this start: 12 of 488
- Called 35.4% of time when present

- Phage (with cluster) where this start called: Aegeus_88 (L5), Baudelaire_88 (L5), BourbonZero_80 (L3), Calm_80 (L1), Ellson_78 (L3), Enceladus_75 (L1), Halena_76 (L1), KirDoubleO7_77 (L3), LiyuLake_78 (L3), Lolly9_78 (L3), MiniMac_83 (L3), Moostard_77 (L3), Red305_80 (L3), Samty_78 (L3), Silverleaf_78 (L1), Tourach_80 (L2), Tyson_79 (L1),

Start 48:

- Found in 155 of 560 (27.7%) of genes in pham
- Manual Annotations of this start: 127 of 488
- Called 92.9% of time when present
- Phage (with cluster) where this start called: 244_94 (E), ABCat_90 (E), Adnama_97 (E), Amao_93 (E), AmericanBeauty_97 (E), Argent26_97 (E), Asriel_91 (E), BaboJay_93 (E), BadStone_90 (E), Balomoji_93 (E), Barbarian_92 (E), Bask21_93 (E), Becksu_92 (E), Bench_96 (E), BigBubba_93 (E), BilboSwaggins_91 (E), Bogg_93 (E), Brewer_88 (E), Bruin_90 (E), Buck_94 (E), Budgie_101 (E), BugsBunny_93 (E), Cactus_96 (E), ChosenOne_93 (E), ChotaBhai_93 (E), Cjw1_94 (E), Command613_95 (E), Contagion_89 (E), Cookies_90 (E), CrystalP_92 (E), Czystczon1_94 (E), Daikon_94 (E), DoctorDiddles_92 (E), DrDrey_93 (E), Dumbo_93 (E), Dusk_90 (E), Easy2Say_94 (E), Elite2014_92 (E), Elph10_94 (E), Emmina_93 (E), Eureka_92 (E), FairyPath_93 (E), Filch_95 (E), FireRed_97 (E), Flypotenuse_89 (E), FoghornLeghorn_87 (E), Gage_95 (E), Gator_91 (E), Gemini_98 (E), Glexan_92 (E), Goku_92 (E), GoldenSpark_97 (E), Goldilocks_96 (E), GooberAzure_96 (E), Greep_97 (E), HanKaySha_94 (E), Harella_93 (E), Henry_91 (E), Highbury_92 (E), Holt_98 (E), Hoonter_96 (E), Hopey_94 (E), HuffyPuff_95 (E), IHOP_91 (E), Icee_94 (E), Inca_90 (E), JeTaime_94 (E), Kanye_90 (E), Kimchi_97 (E), Kostya_93 (E), Lilac_96 (E), Lilizi_94 (E), Lilpickle_92 (E), MISSy_94 (E), MPhalcon_94 (E), MadamMonkfish_93 (E), Manda_95 (E), Marshmallow_91 (E), Maxxinista_96 (E), Mindy_92 (E), Miniwave_88 (E), Misfit_94 (E), Moldemort_96 (E), MollyToe_88 (E), Mosby_89 (E), Murica_96 (E), Murphy_93 (E), Myrale_93 (E), Nala_95 (E), NelitzaMV_91 (E), Nimrod_94 (E), NoSleep_94 (E), NonchalantPear_91 (E), OrionPax_92 (E), PaddyBaddy_94 (E), Palpatine_95 (E), Paperbeatsrock_92 (E), Pat3_90 (E), Petra64142_98 (E), Phaja_91 (E), Pharsalus_90 (E), PhatBacter_97 (E), Phaux_96 (E), Phrux_91 (E), Policronamos_96 (E), Porky_92 (E), Ptowny_90 (E), Pumpkin_97 (E), Qualification_94 (E), Rakim_94 (E), Rimmer_91 (E), RiverMonster_94 (E), Saints25_92 (E), Sassay_88 (E), ShamWow_93 (E), ShereKhan_91 (E), Simpliphy_92 (E), SirDuracell_93 (E), SophKB_90 (E), Sotrice96_94 (E), Stank_95 (E), Stark_95 (E), StellaBean_91 (E), StolenFromERC_96 (E), StormChicken_95 (E), TBrady12_96 (E), Tarkin_92 (E), TeamEdward_93 (E), TeardropMSU_89 (E), Teaspoon_94 (E), Terminus_96 (E), Thimble_95 (E), Thresher_96 (E), Tomaszewski_88 (E), Toto_91 (E), Traaww1_89 (E), Tuco_94 (E), Ukulele_88 (E), Wiggin_95 (E), Willez_88 (E), Xandras_92 (E), YassJohnny_90 (E), Youngblood_96 (E), xkcd_96 (E),

Start 49:

- Found in 6 of 560 (1.1%) of genes in pham
- Manual Annotations of this start: 6 of 488
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fryberger_93 (DP), Guey18_98 (DP), Keelan_94 (DP), Ronaldo_96 (DP), Volt_97 (DP), Ziko_96 (DP),

Start 54:

- Found in 1 of 560 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 488

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Taj_63 (F1),

Start 55:

- Found in 12 of 560 (2.1%) of genes in pham
- Manual Annotations of this start: 10 of 488
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alex44_7 (EK1), Astartes_7 (EK2), Atraxi_7 (EK2), Fullmetal_7 (EK2), Moleficent_7 (EK2), Morrill_7 (EK2), PhriedRice_7 (EK2), RicoCaldo_7 (EK2), StagePhright_7 (EK2), ThirteenKH_7 (EK2), TrippleS_7 (EK2), Yafa_7 (EK2),

Start 56:

- Found in 4 of 560 (0.7%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: WST1_43 (AJ),

Start 59:

- Found in 9 of 560 (1.6%) of genes in pham
- Manual Annotations of this start: 1 of 488
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Bluvara_49 (UNK), SkinnyPete_42 (N),

Start 68:

- Found in 126 of 560 (22.5%) of genes in pham
- Manual Annotations of this start: 6 of 488
- Called 4.8% of time when present
- Phage (with cluster) where this start called: AvadaKedavra_78 (L1), CicholasNage_75 (L1), LeBron_77 (L1), Rose5_78 (L1), UPIE_77 (L1), Wamburgxpress_78 (L1),

Summary by clusters:

There are 32 clusters represented in this pham: singleton, BA, K3, K2, BV, BW, K6, BX, DP, I2, DN2, E, AD, AG, F, AJ, N, L4, L5, L2, L3, L1, UNK, F1, F2, F4, F6, K1, T, EK2, EK1, BC3,

Info for manual annotations of cluster AD:

- Start number 27 was manually annotated 1 time for cluster AD.

Info for manual annotations of cluster AG:

- Start number 34 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster BC3:

- Start number 35 was manually annotated 5 times for cluster BC3.

Info for manual annotations of cluster BV:

- Start number 26 was manually annotated 3 times for cluster BV.

Info for manual annotations of cluster BW:

- Start number 26 was manually annotated 4 times for cluster BW.
- Start number 42 was manually annotated 1 time for cluster BW.

Info for manual annotations of cluster DN2:

- Start number 27 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster DP:

- Start number 49 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster E:

- Start number 48 was manually annotated 127 times for cluster E.

Info for manual annotations of cluster EK1:

- Start number 55 was manually annotated 1 time for cluster EK1.

Info for manual annotations of cluster EK2:

- Start number 55 was manually annotated 9 times for cluster EK2.

Info for manual annotations of cluster F1:

- Start number 28 was manually annotated 103 times for cluster F1.
- Start number 54 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:

- Start number 28 was manually annotated 4 times for cluster F2.

Info for manual annotations of cluster F4:

- Start number 33 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster I2:

- Start number 27 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster K1:

- Start number 34 was manually annotated 104 times for cluster K1.
- Start number 37 was manually annotated 2 times for cluster K1.
- Start number 41 was manually annotated 2 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 35 was manually annotated 7 times for cluster K2.
- Start number 36 was manually annotated 4 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 31 was manually annotated 7 times for cluster K3.

Info for manual annotations of cluster K6:

- Start number 34 was manually annotated 14 times for cluster K6.
- Start number 35 was manually annotated 10 times for cluster K6.

Info for manual annotations of cluster L1:

- Start number 39 was manually annotated 8 times for cluster L1.
- Start number 47 was manually annotated 5 times for cluster L1.

- Start number 68 was manually annotated 6 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 39 was manually annotated 15 times for cluster L2.
- Start number 47 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L3:

- Start number 39 was manually annotated 14 times for cluster L3.
- Start number 47 was manually annotated 4 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 40 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 47 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster N:

- Start number 27 was manually annotated 3 times for cluster N.
- Start number 59 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster T:

- Start number 27 was manually annotated 5 times for cluster T.

Gene Information:

Gene: 244_94 Start: 56440, Stop: 56700, Start Num: 48

Candidate Starts for 244_94:

(Start: 48 @56440 has 127 MA's), (58, 56461), (76, 56536), (89, 56605), (102, 56671),

Gene: ABCat_90 Start: 57128, Stop: 57388, Start Num: 48

Candidate Starts for ABCat_90:

(Start: 48 @57128 has 127 MA's), (58, 57149), (76, 57224), (89, 57293), (102, 57359),

Gene: Acquire49_78 Start: 52009, Stop: 52314, Start Num: 39

Candidate Starts for Acquire49_78:

(Start: 39 @52009 has 37 MA's), (Start: 47 @52024 has 12 MA's), (Start: 68 @52084 has 6 MA's), (83, 52147), (88, 52174), (118, 52297), (119, 52300),

Gene: ActinUp_50 Start: 37356, Stop: 37619, Start Num: 34

Candidate Starts for ActinUp_50:

(Start: 34 @37356 has 119 MA's), (83, 37497),

Gene: Adephagia_50 Start: 37353, Stop: 37616, Start Num: 34

Candidate Starts for Adephagia_50:

(Start: 34 @37353 has 119 MA's), (83, 37494),

Gene: Adnama_97 Start: 56736, Stop: 56996, Start Num: 48

Candidate Starts for Adnama_97:

(Start: 48 @56736 has 127 MA's), (58, 56757), (76, 56832), (89, 56901), (102, 56967),

Gene: Adonis_50 Start: 37651, Stop: 37914, Start Num: 34

Candidate Starts for Adonis_50:

(Start: 34 @37651 has 119 MA's), (83, 37792),

Gene: Aegeus_88 Start: 54840, Stop: 55091, Start Num: 47

Candidate Starts for Aegeus_88:

(Start: 47 @54840 has 12 MA's), (Start: 68 @54885 has 6 MA's), (88, 54978), (97, 55032),

Gene: Ageofdapage_52 Start: 38336, Stop: 38599, Start Num: 34

Candidate Starts for Ageofdapage_52:

(7, 38084), (Start: 34 @38336 has 119 MA's), (62, 38390), (83, 38477),

Gene: Alex44_7 Start: 5465, Stop: 5193, Start Num: 55

Candidate Starts for Alex44_7:

(Start: 27 @5525 has 12 MA's), (Start: 55 @5465 has 10 MA's), (91, 5327), (97, 5297), (109, 5252),

Gene: Alexphander_63 Start: 40422, Stop: 40706, Start Num: 28

Candidate Starts for Alexphander_63:

(23, 40395), (Start: 28 @40422 has 107 MA's), (38, 40446), (46, 40461), (65, 40506), (Start: 68 @40518 has 6 MA's), (85, 40596), (88, 40608), (92, 40632), (95, 40644), (110, 40698),

Gene: AlishaPH_50 Start: 37626, Stop: 37889, Start Num: 34

Candidate Starts for AlishaPH_50:

(Start: 34 @37626 has 119 MA's), (83, 37767),

Gene: AlpineSix_64 Start: 42541, Stop: 42819, Start Num: 28

Candidate Starts for AlpineSix_64:

(23, 42514), (Start: 28 @42541 has 107 MA's), (66, 42625), (69, 42634), (83, 42697), (85, 42712), (88, 42724), (92, 42748), (95, 42760), (110, 42811),

Gene: Amao_93 Start: 56248, Stop: 56508, Start Num: 48

Candidate Starts for Amao_93:

(Start: 48 @56248 has 127 MA's), (58, 56269), (76, 56344), (89, 56413), (102, 56479),

Gene: Amelie_46 Start: 37040, Stop: 37309, Start Num: 34

Candidate Starts for Amelie_46:

(Start: 34 @37040 has 119 MA's), (72, 37136), (86, 37196), (87, 37202), (88, 37205), (93, 37232), (95, 37244), (108, 37298),

Gene: AmericanBeauty_97 Start: 57297, Stop: 57557, Start Num: 48

Candidate Starts for AmericanBeauty_97:

(Start: 48 @57297 has 127 MA's), (58, 57318), (76, 57393), (89, 57462), (102, 57528),

Gene: Amgine_51 Start: 38553, Stop: 38807, Start Num: 35

Candidate Starts for Amgine_51:

(11, 38403), (Start: 35 @38553 has 22 MA's), (Start: 68 @38619 has 6 MA's), (90, 38727),

Gene: Amohnition_53 Start: 38560, Stop: 38814, Start Num: 35

Candidate Starts for Amohnition_53:

(3, 38242), (7, 38311), (11, 38407), (Start: 35 @38560 has 22 MA's), (Start: 68 @38626 has 6 MA's), (83, 38689), (90, 38734),

Gene: Anatole_40 Start: 28483, Stop: 28815, Start Num: 26

Candidate Starts for Anatole_40:

(Start: 26 @28483 has 7 MA's), (43, 28510), (61, 28546), (64, 28558), (67, 28570), (77, 28618), (78, 28627), (104, 28753), (116, 28801),

Gene: Anaya_52 Start: 37953, Stop: 38216, Start Num: 34

Candidate Starts for Anaya_52:

(Start: 34 @37953 has 119 MA's), (62, 38007), (83, 38094), (88, 38121),

Gene: Angelica_50 Start: 37583, Stop: 37846, Start Num: 34

Candidate Starts for Angelica_50:

(Start: 34 @37583 has 119 MA's), (83, 37724),

Gene: Anma_52 Start: 38242, Stop: 38505, Start Num: 34

Candidate Starts for Anma_52:

(7, 37990), (Start: 34 @38242 has 119 MA's), (62, 38296), (80, 38365), (83, 38383),

Gene: Apocalypse_53 Start: 38362, Stop: 38625, Start Num: 34

Candidate Starts for Apocalypse_53:

(Start: 34 @38362 has 119 MA's), (83, 38503),

Gene: Applecrisp_50 Start: 38049, Stop: 38303, Start Num: 35

Candidate Starts for Applecrisp_50:

(11, 37899), (Start: 35 @38049 has 22 MA's), (Start: 68 @38115 has 6 MA's), (90, 38223), (100, 38268),

Gene: Appletree2_77 Start: 51620, Stop: 51925, Start Num: 39

Candidate Starts for Appletree2_77:

(Start: 39 @51620 has 37 MA's), (Start: 47 @51635 has 12 MA's), (Start: 68 @51695 has 6 MA's), (83, 51758), (88, 51785), (97, 51839), (118, 51908), (119, 51911),

Gene: Archie_78 Start: 53502, Stop: 53798, Start Num: 39

Candidate Starts for Archie_78:

(Start: 39 @53502 has 37 MA's), (79, 53607), (82, 53619), (88, 53655), (98, 53712),

Gene: Argent26_97 Start: 56657, Stop: 56917, Start Num: 48

Candidate Starts for Argent26_97:

(Start: 48 @56657 has 127 MA's), (58, 56678), (76, 56753), (89, 56822), (102, 56888),

Gene: Asayake_50 Start: 37668, Stop: 37931, Start Num: 34

Candidate Starts for Asayake_50:

(Start: 34 @37668 has 119 MA's), (83, 37809),

Gene: Asriel_91 Start: 55073, Stop: 55333, Start Num: 48

Candidate Starts for Asriel_91:

(Start: 48 @55073 has 127 MA's), (58, 55094), (76, 55169), (89, 55238), (102, 55304),

Gene: Astartes_7 Start: 5219, Stop: 4962, Start Num: 55

Candidate Starts for Astartes_7:

(Start: 27 @5279 has 12 MA's), (Start: 55 @5219 has 10 MA's), (83, 5105), (97, 5030), (109, 4985),

Gene: Atiba_51 Start: 37316, Stop: 37579, Start Num: 34

Candidate Starts for Atiba_51:

(Start: 34 @37316 has 119 MA's), (83, 37457),

Gene: Atraxi_7 Start: 5184, Stop: 4927, Start Num: 55

Candidate Starts for Atraxi_7:

(Start: 27 @5244 has 12 MA's), (Start: 55 @5184 has 10 MA's), (74, 5112), (83, 5070), (97, 4995), (109, 4950),

Gene: Austintatious_37 Start: 25254, Stop: 25553, Start Num: 35

Candidate Starts for Austintatious_37:

(5, 24966), (8, 25011), (19, 25185), (Start: 35 @25254 has 22 MA's), (88, 25416),

Gene: AvadaKedavra_78 Start: 52163, Stop: 52393, Start Num: 68

Candidate Starts for AvadaKedavra_78:

(Start: 39 @52088 has 37 MA's), (Start: 47 @52103 has 12 MA's), (Start: 68 @52163 has 6 MA's), (83, 52226), (88, 52253), (118, 52376), (119, 52379),

Gene: Avani_67 Start: 40740, Stop: 41018, Start Num: 28

Candidate Starts for Avani_67:

(23, 40713), (Start: 28 @40740 has 107 MA's), (66, 40824), (69, 40833), (83, 40896), (85, 40911), (88, 40923), (92, 40947), (95, 40959), (110, 41010),

Gene: B22_42 Start: 28248, Stop: 28580, Start Num: 26

Candidate Starts for B22_42:

(Start: 26 @28248 has 7 MA's), (43, 28275), (61, 28311), (64, 28323), (67, 28335), (77, 28383), (78, 28392), (104, 28518), (116, 28566),

Gene: B3_39 Start: 27767, Stop: 28099, Start Num: 26

Candidate Starts for B3_39:

(Start: 26 @27767 has 7 MA's), (43, 27794), (61, 27830), (64, 27842), (67, 27854), (77, 27902), (78, 27911), (104, 28037), (116, 28085),

Gene: BEEST_50 Start: 37668, Stop: 37931, Start Num: 34

Candidate Starts for BEEST_50:

(Start: 34 @37668 has 119 MA's), (83, 37809),

Gene: BGlluviae_50 Start: 37471, Stop: 37734, Start Num: 34

Candidate Starts for BGlluviae_50:

(Start: 34 @37471 has 119 MA's), (83, 37612),

Gene: BaboJay_93 Start: 57319, Stop: 57579, Start Num: 48

Candidate Starts for BaboJay_93:

(Start: 48 @57319 has 127 MA's), (58, 57340), (76, 57415), (89, 57484), (102, 57550),

Gene: BadStone_90 Start: 56697, Stop: 56957, Start Num: 48

Candidate Starts for BadStone_90:

(Start: 48 @56697 has 127 MA's), (58, 56718), (76, 56793), (89, 56862), (102, 56928),

Gene: BaghaKamala_49 Start: 36791, Stop: 37054, Start Num: 34

Candidate Starts for BaghaKamala_49:

(Start: 34 @36791 has 119 MA's), (83, 36932),

Gene: Balomoji_93 Start: 56855, Stop: 57115, Start Num: 48

Candidate Starts for Balomoji_93:

(17, 56717), (Start: 48 @56855 has 127 MA's), (58, 56876), (89, 57020), (102, 57086),

Gene: Barbarian_92 Start: 55073, Stop: 55333, Start Num: 48
Candidate Starts for Barbarian_92:
(Start: 48 @55073 has 127 MA's), (58, 55094), (76, 55169), (89, 55238), (102, 55304),

Gene: BarrelRoll_50 Start: 37339, Stop: 37602, Start Num: 34
Candidate Starts for BarrelRoll_50:
(Start: 34 @37339 has 119 MA's), (83, 37480),

Gene: Bask21_93 Start: 55708, Stop: 55968, Start Num: 48
Candidate Starts for Bask21_93:
(17, 55570), (Start: 48 @55708 has 127 MA's), (58, 55729), (89, 55873), (102, 55939),

Gene: Baudelaire_88 Start: 54840, Stop: 55091, Start Num: 47
Candidate Starts for Baudelaire_88:
(Start: 47 @54840 has 12 MA's), (Start: 68 @54885 has 6 MA's), (88, 54978), (97, 55032),

Gene: Bazzle_78 Start: 53691, Stop: 53987, Start Num: 39
Candidate Starts for Bazzle_78:
(Start: 39 @53691 has 37 MA's), (Start: 47 @53706 has 12 MA's), (Start: 68 @53751 has 6 MA's), (82, 53808), (83, 53817), (88, 53844), (98, 53901), (105, 53928),

Gene: Becksu_92 Start: 57049, Stop: 57309, Start Num: 48
Candidate Starts for Becksu_92:
(Start: 48 @57049 has 127 MA's), (58, 57070), (76, 57145), (89, 57214), (102, 57280),

Gene: Beezoo_52 Start: 38314, Stop: 38577, Start Num: 34
Candidate Starts for Beezoo_52:
(Start: 34 @38314 has 119 MA's), (83, 38455),

Gene: Bella96_51 Start: 38180, Stop: 38443, Start Num: 34
Candidate Starts for Bella96_51:
(7, 37928), (Start: 34 @38180 has 119 MA's), (62, 38234), (80, 38303), (83, 38321),

Gene: Belladonna_50 Start: 37471, Stop: 37734, Start Num: 34
Candidate Starts for Belladonna_50:
(Start: 34 @37471 has 119 MA's), (83, 37612),

Gene: Bellis_79 Start: 53796, Stop: 54065, Start Num: 39
Candidate Starts for Bellis_79:
(Start: 39 @53796 has 37 MA's), (Start: 47 @53811 has 12 MA's), (88, 53946), (96, 53988), (102, 54024), (111, 54048),

Gene: Bench_96 Start: 56792, Stop: 57052, Start Num: 48
Candidate Starts for Bench_96:
(Start: 48 @56792 has 127 MA's), (58, 56813), (76, 56888), (89, 56957), (102, 57023),

Gene: Bern_51 Start: 36386, Stop: 36649, Start Num: 34
Candidate Starts for Bern_51:
(Start: 34 @36386 has 119 MA's), (83, 36527),

Gene: Bernal13_41 Start: 31446, Stop: 31703, Start Num: 27
Candidate Starts for Bernal13_41:

(4, 31170), (6, 31191), (Start: 27 @31446 has 12 MA's), (Start: 68 @31530 has 6 MA's), (88, 31620),

Gene: BigBubba_93 Start: 56089, Stop: 56349, Start Num: 48

Candidate Starts for BigBubba_93:

(Start: 48 @56089 has 127 MA's), (58, 56110), (76, 56185), (89, 56254), (102, 56320),

Gene: Biglebops_46 Start: 37040, Stop: 37309, Start Num: 34

Candidate Starts for Biglebops_46:

(Start: 34 @37040 has 119 MA's), (72, 37136), (86, 37196), (87, 37202), (88, 37205), (93, 37232), (95, 37244), (108, 37298),

Gene: BilboSwaggins_91 Start: 57094, Stop: 57354, Start Num: 48

Candidate Starts for BilboSwaggins_91:

(Start: 48 @57094 has 127 MA's), (58, 57115), (76, 57190), (89, 57259), (102, 57325),

Gene: Bioscum_41 Start: 27555, Stop: 27854, Start Num: 35

Candidate Starts for Bioscum_41:

(5, 27267), (8, 27312), (19, 27486), (Start: 35 @27555 has 22 MA's), (88, 27717),

Gene: Blarby_71 Start: 41835, Stop: 42119, Start Num: 28

Candidate Starts for Blarby_71:

(23, 41808), (Start: 28 @41835 has 107 MA's), (38, 41859), (46, 41874), (65, 41919), (Start: 68 @41931 has 6 MA's), (85, 42009), (88, 42021), (92, 42045), (95, 42057), (110, 42111),

Gene: Blizzard_50 Start: 37668, Stop: 37931, Start Num: 34

Candidate Starts for Blizzard_50:

(Start: 34 @37668 has 119 MA's), (83, 37809),

Gene: Bluvara_49 Start: 36316, Stop: 36546, Start Num: 59

Candidate Starts for Bluvara_49:

(Start: 27 @36247 has 12 MA's), (32, 36265), (52, 36301), (Start: 59 @36316 has 1 MA's), (83, 36412), (93, 36463), (100, 36499), (108, 36532),

Gene: BobaPhett_63 Start: 42651, Stop: 42935, Start Num: 28

Candidate Starts for BobaPhett_63:

(23, 42624), (Start: 28 @42651 has 107 MA's), (38, 42675), (46, 42690), (65, 42735), (Start: 68 @42747 has 6 MA's), (85, 42825), (88, 42837), (92, 42861), (95, 42873), (110, 42927),

Gene: BodEinwohner17_59 Start: 39462, Stop: 39740, Start Num: 28

Candidate Starts for BodEinwohner17_59:

(23, 39435), (Start: 28 @39462 has 107 MA's), (66, 39546), (69, 39555), (83, 39618), (85, 39633), (88, 39645), (92, 39669), (95, 39681), (110, 39732),

Gene: Bogg_93 Start: 56007, Stop: 56267, Start Num: 48

Candidate Starts for Bogg_93:

(Start: 48 @56007 has 127 MA's), (58, 56028), (76, 56103), (89, 56172), (102, 56238),

Gene: Boiiii_50 Start: 37670, Stop: 37933, Start Num: 34

Candidate Starts for Boiiii_50:

(Start: 34 @37670 has 119 MA's), (83, 37811),

Gene: Boomer_64 Start: 42326, Stop: 42610, Start Num: 28

Candidate Starts for Boomer_64:

(23, 42299), (Start: 28 @42326 has 107 MA's), (38, 42350), (46, 42365), (65, 42410), (Start: 68 @42422 has 6 MA's), (85, 42500), (88, 42512), (92, 42536), (95, 42548), (110, 42602),

Gene: BoostSeason_54 Start: 39128, Stop: 39364, Start Num: 35

Candidate Starts for BoostSeason_54:

(Start: 35 @39128 has 22 MA's), (Start: 36 @39131 has 4 MA's), (44, 39137), (Start: 48 @39143 has 127 MA's), (80, 39233), (81, 39239), (93, 39302), (108, 39353),

Gene: BourbonZero_80 Start: 53807, Stop: 54094, Start Num: 47

Candidate Starts for BourbonZero_80:

(Start: 39 @53792 has 37 MA's), (Start: 47 @53807 has 12 MA's), (88, 53945),

Gene: BrainDrainer_79 Start: 52733, Stop: 53023, Start Num: 40

Candidate Starts for BrainDrainer_79:

(Start: 40 @52733 has 4 MA's), (75, 52817), (79, 52832), (82, 52844), (88, 52880), (90, 52898), (94, 52910), (98, 52937),

Gene: Breezona_81 Start: 53918, Stop: 54214, Start Num: 39

Candidate Starts for Breezona_81:

(Start: 39 @53918 has 37 MA's), (Start: 68 @53978 has 6 MA's), (79, 54023), (82, 54035), (88, 54071), (97, 54125), (98, 54128),

Gene: Brewer_88 Start: 55594, Stop: 55854, Start Num: 48

Candidate Starts for Brewer_88:

(Start: 48 @55594 has 127 MA's), (58, 55615), (76, 55690), (89, 55759), (102, 55825),

Gene: Bromden_79 Start: 53366, Stop: 53650, Start Num: 40

Candidate Starts for Bromden_79:

(Start: 35 @53357 has 22 MA's), (Start: 40 @53366 has 4 MA's), (Start: 68 @53420 has 6 MA's), (82, 53477), (83, 53486), (88, 53513), (94, 53543), (98, 53570),

Gene: Bruin_90 Start: 55671, Stop: 55931, Start Num: 48

Candidate Starts for Bruin_90:

(Start: 48 @55671 has 127 MA's), (58, 55692), (76, 55767), (89, 55836), (102, 55902),

Gene: Bryler_54 Start: 37154, Stop: 37411, Start Num: 34

Candidate Starts for Bryler_54:

(Start: 34 @37154 has 119 MA's), (46, 37175), (Start: 68 @37229 has 6 MA's), (83, 37292), (84, 37301), (100, 37379),

Gene: Buck_94 Start: 57360, Stop: 57620, Start Num: 48

Candidate Starts for Buck_94:

(17, 57222), (Start: 48 @57360 has 127 MA's), (58, 57381), (89, 57525), (102, 57591),

Gene: Budgie_101 Start: 56700, Stop: 56954, Start Num: 48

Candidate Starts for Budgie_101:

(29, 56661), (Start: 48 @56700 has 127 MA's), (61, 56721), (70, 56760), (80, 56808), (83, 56826), (102, 56925),

Gene: BugsBunny_93 Start: 57200, Stop: 57460, Start Num: 48

Candidate Starts for BugsBunny_93:

(Start: 48 @57200 has 127 MA's), (58, 57221), (76, 57296), (89, 57365), (102, 57431),

Gene: Burwell21_57 Start: 39934, Stop: 40218, Start Num: 28

Candidate Starts for Burwell21_57:

(23, 39907), (Start: 28 @39934 has 107 MA's), (38, 39958), (46, 39973), (65, 40018), (Start: 68 @40030 has 6 MA's), (85, 40108), (88, 40120), (92, 40144), (95, 40156), (110, 40210),

Gene: ByChance_51 Start: 35625, Stop: 35906, Start Num: 28

Candidate Starts for ByChance_51:

(23, 35598), (Start: 28 @35625 has 107 MA's), (38, 35649), (46, 35661), (65, 35706), (Start: 68 @35718 has 6 MA's), (85, 35796), (88, 35808), (92, 35832), (95, 35844), (110, 35898),

Gene: CREW_50 Start: 37471, Stop: 37734, Start Num: 34

Candidate Starts for CREW_50:

(Start: 34 @37471 has 119 MA's), (83, 37612),

Gene: Cabrinians_60 Start: 40012, Stop: 40296, Start Num: 28

Candidate Starts for Cabrinians_60:

(23, 39985), (Start: 28 @40012 has 107 MA's), (38, 40036), (46, 40051), (65, 40096), (Start: 68 @40108 has 6 MA's), (85, 40186), (88, 40198), (92, 40222), (95, 40234), (110, 40288),

Gene: Cactus_96 Start: 55737, Stop: 55997, Start Num: 48

Candidate Starts for Cactus_96:

(Start: 48 @55737 has 127 MA's), (58, 55758), (76, 55833), (89, 55902), (102, 55968),

Gene: Cain_54 Start: 37142, Stop: 37399, Start Num: 34

Candidate Starts for Cain_54:

(Start: 34 @37142 has 119 MA's), (46, 37163), (Start: 68 @37217 has 6 MA's), (83, 37280), (84, 37289), (100, 37367),

Gene: CallaLilly_50 Start: 37394, Stop: 37657, Start Num: 34

Candidate Starts for CallaLilly_50:

(Start: 34 @37394 has 119 MA's), (83, 37535),

Gene: Calm_80 Start: 52346, Stop: 52636, Start Num: 47

Candidate Starts for Calm_80:

(Start: 39 @52331 has 37 MA's), (Start: 47 @52346 has 12 MA's), (Start: 68 @52406 has 6 MA's), (83, 52469), (88, 52496), (118, 52619), (119, 52622),

Gene: Capricorn_50 Start: 37471, Stop: 37734, Start Num: 34

Candidate Starts for Capricorn_50:

(Start: 34 @37471 has 119 MA's), (83, 37612),

Gene: CaptainTrips_56 Start: 39508, Stop: 39792, Start Num: 28

Candidate Starts for CaptainTrips_56:

(Start: 28 @39508 has 107 MA's), (38, 39532), (46, 39547), (65, 39592), (Start: 68 @39604 has 6 MA's), (85, 39682), (88, 39694), (92, 39718), (95, 39730), (110, 39784),

Gene: CaseJules_52 Start: 37668, Stop: 37931, Start Num: 34

Candidate Starts for CaseJules_52:

(Start: 34 @37668 has 119 MA's), (83, 37809),

Gene: Charlie_44 Start: 30217, Stop: 30516, Start Num: 27

Candidate Starts for Charlie_44:

(Start: 27 @30217 has 12 MA's), (32, 30235), (52, 30271), (Start: 59 @30286 has 1 MA's), (83, 30382), (93, 30433), (100, 30469), (108, 30502), (111, 30508),

Gene: Chaser_77 Start: 52365, Stop: 52655, Start Num: 40
Candidate Starts for Chaser_77:

(Start: 40 @52365 has 4 MA's), (Start: 47 @52374 has 12 MA's), (Start: 68 @52419 has 6 MA's), (79, 52464), (82, 52476), (88, 52512), (90, 52530), (98, 52569),

Gene: Chavito_54 Start: 38944, Stop: 39207, Start Num: 34
Candidate Starts for Chavito_54:

(2, 38536), (3, 38620), (7, 38689), (Start: 34 @38944 has 119 MA's), (73, 39046), (80, 39064), (83, 39082), (93, 39136), (100, 39172), (108, 39196),

Gene: CheetoDust_49 Start: 36840, Stop: 37103, Start Num: 34
Candidate Starts for CheetoDust_49:

(Start: 34 @36840 has 119 MA's), (83, 36981),

Gene: ChosenOne_93 Start: 56152, Stop: 56412, Start Num: 48
Candidate Starts for ChosenOne_93:

(Start: 48 @56152 has 127 MA's), (58, 56173), (76, 56248), (89, 56317), (102, 56383),

Gene: ChotaBhai_93 Start: 56073, Stop: 56333, Start Num: 48
Candidate Starts for ChotaBhai_93:

(17, 55935), (Start: 48 @56073 has 127 MA's), (58, 56094), (89, 56238), (102, 56304),

Gene: Chris_53 Start: 38292, Stop: 38561, Start Num: 34
Candidate Starts for Chris_53:

(Start: 34 @38292 has 119 MA's), (90, 38466), (112, 38547), (113, 38550),

Gene: Chuckly_62 Start: 40654, Stop: 40938, Start Num: 28
Candidate Starts for Chuckly_62:

(23, 40627), (Start: 28 @40654 has 107 MA's), (38, 40678), (46, 40693), (65, 40738), (Start: 68 @40750 has 6 MA's), (85, 40828), (88, 40840), (92, 40864), (95, 40876), (110, 40930),

Gene: ChutneyChips_77 Start: 52710, Stop: 52994, Start Num: 40
Candidate Starts for ChutneyChips_77:

(Start: 40 @52710 has 4 MA's), (Start: 68 @52764 has 6 MA's), (79, 52809), (82, 52821), (88, 52857), (90, 52875), (94, 52887),

Gene: Chymera_48 Start: 30948, Stop: 31208, Start Num: 27
Candidate Starts for Chymera_48:

(Start: 27 @30948 has 12 MA's), (Start: 28 @30954 has 107 MA's), (30, 30960), (93, 31149),

Gene: CicholasNage_75 Start: 51748, Stop: 51978, Start Num: 68
Candidate Starts for CicholasNage_75:

(Start: 39 @51673 has 37 MA's), (Start: 47 @51688 has 12 MA's), (Start: 68 @51748 has 6 MA's), (83, 51811), (88, 51838), (118, 51961), (119, 51964),

Gene: Cjw1_94 Start: 58116, Stop: 58376, Start Num: 48
Candidate Starts for Cjw1_94:

(Start: 48 @58116 has 127 MA's), (58, 58137), (76, 58212), (89, 58281), (102, 58347),

Gene: Clank_64 Start: 40984, Stop: 41262, Start Num: 28

Candidate Starts for Clank_64:

(23, 40957), (Start: 28 @40984 has 107 MA's), (66, 41068), (69, 41077), (83, 41140), (85, 41155), (88, 41167), (92, 41191), (95, 41203), (110, 41254),

Gene: Claus_80 Start: 53853, Stop: 54149, Start Num: 39

Candidate Starts for Claus_80:

(Start: 39 @53853 has 37 MA's), (Start: 68 @53913 has 6 MA's), (79, 53958), (82, 53970), (88, 54006), (96, 54048), (97, 54060), (98, 54063),

Gene: Clautastrophe_77 Start: 53794, Stop: 54063, Start Num: 39

Candidate Starts for Clautastrophe_77:

(Start: 39 @53794 has 37 MA's), (Start: 47 @53809 has 12 MA's), (88, 53944), (96, 53986), (102, 54022), (111, 54046),

Gene: Clipper_53 Start: 37987, Stop: 38250, Start Num: 34

Candidate Starts for Clipper_53:

(Start: 34 @37987 has 119 MA's), (83, 38128),

Gene: Command613_95 Start: 57191, Stop: 57451, Start Num: 48

Candidate Starts for Command613_95:

(Start: 48 @57191 has 127 MA's), (58, 57212), (76, 57287), (89, 57356), (102, 57422),

Gene: Contagion_89 Start: 55952, Stop: 56212, Start Num: 48

Candidate Starts for Contagion_89:

(Start: 48 @55952 has 127 MA's), (58, 55973), (76, 56048), (89, 56117), (102, 56183),

Gene: Cookies_90 Start: 55930, Stop: 56190, Start Num: 48

Candidate Starts for Cookies_90:

(17, 55792), (Start: 48 @55930 has 127 MA's), (58, 55951), (89, 56095), (102, 56161),

Gene: Corium_56 Start: 39051, Stop: 39335, Start Num: 28

Candidate Starts for Corium_56:

(23, 39024), (Start: 28 @39051 has 107 MA's), (38, 39075), (46, 39090), (65, 39135), (85, 39225), (88, 39237), (92, 39261), (95, 39273), (110, 39327),

Gene: Cornucopia_61 Start: 40668, Stop: 40946, Start Num: 28

Candidate Starts for Cornucopia_61:

(23, 40641), (Start: 28 @40668 has 107 MA's), (66, 40752), (69, 40761), (83, 40824), (85, 40839), (88, 40851), (92, 40875), (95, 40887), (110, 40938),

Gene: CrimD_50 Start: 37577, Stop: 37840, Start Num: 34

Candidate Starts for CrimD_50:

(Start: 34 @37577 has 119 MA's), (62, 37631), (83, 37718),

Gene: Crumble_54 Start: 35948, Stop: 36232, Start Num: 28

Candidate Starts for Crumble_54:

(23, 35921), (Start: 28 @35948 has 107 MA's), (38, 35972), (46, 35987), (65, 36032), (Start: 68 @36044 has 6 MA's), (85, 36122), (88, 36134), (92, 36158), (95, 36170), (110, 36224),

Gene: CrystalP_92 Start: 57094, Stop: 57354, Start Num: 48

Candidate Starts for CrystalP_92:

(Start: 48 @57094 has 127 MA's), (58, 57115), (76, 57190), (89, 57259), (102, 57325),

Gene: Curiosium_52 Start: 36255, Stop: 36521, Start Num: 34
Candidate Starts for Curiosium_52:
(Start: 34 @36255 has 119 MA's), (Start: 41 @36267 has 2 MA's), (62, 36312), (83, 36399), (100, 36489),

Gene: Czyszczone1_94 Start: 56655, Stop: 56915, Start Num: 48
Candidate Starts for Czyszczone1_94:
(Start: 48 @56655 has 127 MA's), (58, 56676), (76, 56751), (89, 56820), (102, 56886),

Gene: DRBy19_62 Start: 41112, Stop: 41393, Start Num: 28
Candidate Starts for DRBy19_62:
(23, 41085), (Start: 28 @41112 has 107 MA's), (66, 41196), (69, 41205), (83, 41268), (85, 41283), (88, 41295), (92, 41319), (95, 41331), (110, 41385),

Gene: DaWorst_60 Start: 40413, Stop: 40697, Start Num: 28
Candidate Starts for DaWorst_60:
(23, 40386), (Start: 28 @40413 has 107 MA's), (38, 40437), (46, 40452), (65, 40497), (85, 40587), (88, 40599), (92, 40623), (95, 40635), (110, 40689),

Gene: DaddyRickover_58 Start: 40151, Stop: 40435, Start Num: 28
Candidate Starts for DaddyRickover_58:
(23, 40124), (Start: 28 @40151 has 107 MA's), (38, 40175), (46, 40190), (65, 40235), (Start: 68 @40247 has 6 MA's), (85, 40325), (88, 40337), (92, 40361), (95, 40373), (110, 40427),

Gene: Daenerys_53 Start: 38267, Stop: 38545, Start Num: 28
Candidate Starts for Daenerys_53:
(23, 38240), (Start: 28 @38267 has 107 MA's), (66, 38351), (69, 38360), (83, 38423), (85, 38438), (88, 38450), (92, 38474), (95, 38486), (110, 38537),

Gene: Daikon_94 Start: 56682, Stop: 56942, Start Num: 48
Candidate Starts for Daikon_94:
(17, 56544), (Start: 48 @56682 has 127 MA's), (58, 56703), (89, 56847), (102, 56913),

Gene: Dalmuri_50 Start: 37471, Stop: 37734, Start Num: 34
Candidate Starts for Dalmuri_50:
(Start: 34 @37471 has 119 MA's), (83, 37612),

Gene: Dante_60 Start: 39936, Stop: 40220, Start Num: 28
Candidate Starts for Dante_60:
(23, 39909), (Start: 28 @39936 has 107 MA's), (38, 39960), (46, 39975), (65, 40020), (Start: 68 @40032 has 6 MA's), (85, 40110), (88, 40122), (92, 40146), (95, 40158), (110, 40212),

Gene: DartGoblin_53 Start: 38152, Stop: 38415, Start Num: 34
Candidate Starts for DartGoblin_53:
(7, 37900), (Start: 34 @38152 has 119 MA's), (62, 38206), (80, 38275), (83, 38293),

Gene: DarthP_53 Start: 38444, Stop: 38698, Start Num: 35
Candidate Starts for DarthP_53:
(3, 38126), (7, 38195), (11, 38291), (Start: 35 @38444 has 22 MA's), (Start: 68 @38510 has 6 MA's), (83, 38573), (90, 38618),

Gene: Dartin_53 Start: 38285, Stop: 38548, Start Num: 34
Candidate Starts for Dartin_53:

(1, 37805), (3, 37961), (7, 38030), (Start: 34 @38285 has 119 MA's), (73, 38387), (80, 38405), (83, 38423), (93, 38477), (100, 38513), (108, 38537),

Gene: DeadP_65 Start: 42582, Stop: 42848, Start Num: 28

Candidate Starts for DeadP_65:

(Start: 28 @42582 has 107 MA's), (38, 42606), (46, 42621), (65, 42666), (Start: 68 @42678 has 6 MA's), (85, 42756), (88, 42768), (92, 42792),

Gene: Deby_50 Start: 37599, Stop: 37862, Start Num: 34

Candidate Starts for Deby_50:

(Start: 34 @37599 has 119 MA's), (62, 37653), (83, 37740),

Gene: Devera_55 Start: 38103, Stop: 38366, Start Num: 34

Candidate Starts for Devera_55:

(7, 37851), (Start: 34 @38103 has 119 MA's), (62, 38157), (83, 38244),

Gene: DillTech15_56 Start: 38601, Stop: 38879, Start Num: 28

Candidate Starts for DillTech15_56:

(23, 38574), (Start: 28 @38601 has 107 MA's), (66, 38685), (69, 38694), (83, 38757), (85, 38772), (88, 38784), (92, 38808), (95, 38820), (110, 38871),

Gene: DirkDirk_75 Start: 51200, Stop: 51505, Start Num: 39

Candidate Starts for DirkDirk_75:

(Start: 39 @51200 has 37 MA's), (Start: 47 @51215 has 12 MA's), (Start: 68 @51275 has 6 MA's), (83, 51338), (88, 51365), (97, 51419), (118, 51488), (119, 51491),

Gene: DirtMcgirt_58 Start: 38676, Stop: 38960, Start Num: 28

Candidate Starts for DirtMcgirt_58:

(23, 38649), (Start: 28 @38676 has 107 MA's), (38, 38700), (46, 38715), (65, 38760), (Start: 68 @38772 has 6 MA's), (85, 38850), (88, 38862), (92, 38886), (95, 38898), (110, 38952),

Gene: DismalFunk_54 Start: 39559, Stop: 39792, Start Num: 35

Candidate Starts for DismalFunk_54:

(Start: 35 @39559 has 22 MA's), (Start: 36 @39562 has 4 MA's), (44, 39568), (Start: 48 @39574 has 127 MA's), (80, 39664), (81, 39670), (93, 39733),

Gene: DismalStressor_54 Start: 39559, Stop: 39792, Start Num: 35

Candidate Starts for DismalStressor_54:

(Start: 35 @39559 has 22 MA's), (Start: 36 @39562 has 4 MA's), (44, 39568), (Start: 48 @39574 has 127 MA's), (80, 39664), (81, 39670), (93, 39733),

Gene: DoctorDiddles_92 Start: 56117, Stop: 56377, Start Num: 48

Candidate Starts for DoctorDiddles_92:

(17, 55979), (Start: 48 @56117 has 127 MA's), (58, 56138), (89, 56282), (102, 56348),

Gene: Dole_53 Start: 38105, Stop: 38368, Start Num: 34

Candidate Starts for Dole_53:

(7, 37853), (Start: 34 @38105 has 119 MA's), (62, 38159), (83, 38246),

Gene: Doomphist_59 Start: 41112, Stop: 41390, Start Num: 28

Candidate Starts for Doomphist_59:

(23, 41085), (Start: 28 @41112 has 107 MA's), (66, 41196), (69, 41205), (83, 41268), (85, 41283), (88, 41295), (92, 41319), (95, 41331), (110, 41382),

Gene: Doomslug_68 Start: 40532, Stop: 40810, Start Num: 28

Candidate Starts for Doomslug_68:

(23, 40505), (Start: 28 @40532 has 107 MA's), (66, 40616), (69, 40625), (83, 40688), (85, 40703), (88, 40715), (92, 40739), (95, 40751), (110, 40802),

Gene: Dorothy_57 Start: 39331, Stop: 39609, Start Num: 28

Candidate Starts for Dorothy_57:

(23, 39304), (Start: 28 @39331 has 107 MA's), (66, 39415), (69, 39424), (83, 39487), (85, 39502), (88, 39514), (92, 39538), (95, 39550), (110, 39601),

Gene: DosHalletts_61 Start: 41467, Stop: 41745, Start Num: 28

Candidate Starts for DosHalletts_61:

(23, 41440), (Start: 28 @41467 has 107 MA's), (66, 41551), (69, 41560), (83, 41623), (85, 41638), (88, 41650), (92, 41674), (95, 41686), (110, 41737),

Gene: Doucette_43 Start: 29654, Stop: 29986, Start Num: 26

Candidate Starts for Doucette_43:

(Start: 26 @29654 has 7 MA's), (43, 29681), (61, 29717), (64, 29729), (67, 29741), (77, 29789), (78, 29798), (88, 29849), (104, 29924), (116, 29972),

Gene: Doug_61 Start: 40679, Stop: 40963, Start Num: 28

Candidate Starts for Doug_61:

(23, 40652), (Start: 28 @40679 has 107 MA's), (38, 40703), (46, 40718), (65, 40763), (Start: 68 @40775 has 6 MA's), (85, 40853), (88, 40865), (92, 40889), (95, 40901), (110, 40955),

Gene: Douge_78 Start: 52288, Stop: 52587, Start Num: 40

Candidate Starts for Douge_78:

(Start: 40 @52288 has 4 MA's), (62, 52318), (Start: 68 @52342 has 6 MA's), (82, 52399), (83, 52408), (88, 52435), (94, 52465),

Gene: Doughnut_54 Start: 39169, Stop: 39405, Start Num: 35

Candidate Starts for Doughnut_54:

(Start: 35 @39169 has 22 MA's), (Start: 36 @39172 has 4 MA's), (44, 39178), (Start: 48 @39184 has 127 MA's), (80, 39274), (81, 39280), (93, 39343), (108, 39394),

Gene: Douzhi_79 Start: 52550, Stop: 52840, Start Num: 40

Candidate Starts for Douzhi_79:

(Start: 40 @52550 has 4 MA's), (75, 52634), (79, 52649), (82, 52661), (88, 52697), (94, 52727), (98, 52754),

Gene: DrDrey_93 Start: 57574, Stop: 57834, Start Num: 48

Candidate Starts for DrDrey_93:

(Start: 48 @57574 has 127 MA's), (58, 57595), (76, 57670), (89, 57739), (102, 57805),

Gene: DrHayes_51 Start: 38242, Stop: 38505, Start Num: 34

Candidate Starts for DrHayes_51:

(7, 37990), (Start: 34 @38242 has 119 MA's), (62, 38296), (80, 38365), (83, 38383),

Gene: Drago_57 Start: 38679, Stop: 38963, Start Num: 28

Candidate Starts for Drago_57:

(23, 38652), (Start: 28 @38679 has 107 MA's), (38, 38703), (46, 38718), (65, 38763), (Start: 68 @38775 has 6 MA's), (85, 38853), (88, 38865), (92, 38889), (95, 38901), (110, 38955),

Gene: Dumbo_93 Start: 56054, Stop: 56314, Start Num: 48
Candidate Starts for Dumbo_93:
(Start: 48 @56054 has 127 MA's), (58, 56075), (76, 56150), (89, 56219), (102, 56285),

Gene: DuncansLeg_79 Start: 53780, Stop: 54082, Start Num: 39
Candidate Starts for DuncansLeg_79:
(Start: 39 @53780 has 37 MA's), (Start: 47 @53795 has 12 MA's), (88, 53933),

Gene: Durfee_50 Start: 37668, Stop: 37931, Start Num: 34
Candidate Starts for Durfee_50:
(Start: 34 @37668 has 119 MA's), (83, 37809),

Gene: Dusk_90 Start: 56357, Stop: 56617, Start Num: 48
Candidate Starts for Dusk_90:
(Start: 48 @56357 has 127 MA's), (58, 56378), (76, 56453), (89, 56522), (102, 56588),

Gene: DyoEdafos_83 Start: 53198, Stop: 53488, Start Num: 40
Candidate Starts for DyoEdafos_83:
(Start: 40 @53198 has 4 MA's), (62, 53228), (Start: 68 @53252 has 6 MA's), (82, 53309), (83, 53318),
(88, 53345), (94, 53375), (98, 53402),

Gene: E1_40 Start: 28483, Stop: 28815, Start Num: 26
Candidate Starts for E1_40:
(Start: 26 @28483 has 7 MA's), (43, 28510), (61, 28546), (64, 28558), (67, 28570), (77, 28618), (78,
28627), (104, 28753), (116, 28801),

Gene: E6_44 Start: 31064, Stop: 31396, Start Num: 26
Candidate Starts for E6_44:
(Start: 26 @31064 has 7 MA's), (43, 31091), (61, 31127), (64, 31139), (77, 31199), (78, 31208), (104,
31334), (116, 31382),

Gene: Easy2Say_94 Start: 57556, Stop: 57816, Start Num: 48
Candidate Starts for Easy2Say_94:
(Start: 48 @57556 has 127 MA's), (58, 57577), (76, 57652), (89, 57721), (102, 57787),

Gene: Efra2_53 Start: 37187, Stop: 37450, Start Num: 34
Candidate Starts for Efra2_53:
(Start: 34 @37187 has 119 MA's), (Start: 41 @37199 has 2 MA's), (80, 37310), (83, 37328),

Gene: Eish_63 Start: 40928, Stop: 41212, Start Num: 28
Candidate Starts for Eish_63:
(23, 40901), (Start: 28 @40928 has 107 MA's), (38, 40952), (46, 40967), (65, 41012), (85, 41102), (88,
41114), (92, 41138), (95, 41150), (110, 41204),

Gene: Ekdilam_50 Start: 37991, Stop: 38245, Start Num: 35
Candidate Starts for Ekdilam_50:
(3, 37673), (7, 37742), (11, 37838), (Start: 35 @37991 has 22 MA's), (83, 38120), (90, 38165),

Gene: Elite2014_92 Start: 56151, Stop: 56411, Start Num: 48
Candidate Starts for Elite2014_92:
(Start: 48 @56151 has 127 MA's), (58, 56172), (76, 56247), (89, 56316), (102, 56382),

Gene: Ellie_49 Start: 37741, Stop: 37995, Start Num: 35
Candidate Starts for Ellie_49:
(11, 37591), (Start: 35 @37741 has 22 MA's), (Start: 68 @37807 has 6 MA's), (90, 37915), (100, 37960),

Gene: Ellson_78 Start: 54110, Stop: 54397, Start Num: 47
Candidate Starts for Ellson_78:
(Start: 39 @54095 has 37 MA's), (Start: 47 @54110 has 12 MA's), (88, 54248),

Gene: Elph10_94 Start: 56144, Stop: 56404, Start Num: 48
Candidate Starts for Elph10_94:
(Start: 48 @56144 has 127 MA's), (58, 56165), (76, 56240), (89, 56309), (102, 56375),

Gene: Emerson_51 Start: 37347, Stop: 37610, Start Num: 34
Candidate Starts for Emerson_51:
(Start: 34 @37347 has 119 MA's), (83, 37488),

Gene: EmiMonkey_57 Start: 41642, Stop: 41926, Start Num: 28
Candidate Starts for EmiMonkey_57:
(23, 41615), (Start: 28 @41642 has 107 MA's), (38, 41666), (46, 41681), (65, 41726), (85, 41816), (88, 41828), (92, 41852), (95, 41864), (110, 41918),

Gene: Emmaloid_60 Start: 40738, Stop: 41022, Start Num: 28
Candidate Starts for Emmaloid_60:
(23, 40711), (Start: 28 @40738 has 107 MA's), (38, 40762), (46, 40777), (65, 40822), (Start: 68 @40834 has 6 MA's), (85, 40912), (88, 40924), (92, 40948), (95, 40960), (110, 41014),

Gene: Emmina_93 Start: 55777, Stop: 56037, Start Num: 48
Candidate Starts for Emmina_93:
(Start: 48 @55777 has 127 MA's), (58, 55798), (76, 55873), (89, 55942), (102, 56008),

Gene: Empress_57 Start: 39681, Stop: 39959, Start Num: 28
Candidate Starts for Empress_57:
(23, 39654), (Start: 28 @39681 has 107 MA's), (66, 39765), (69, 39774), (83, 39837), (85, 39852), (88, 39864), (92, 39888), (95, 39900), (110, 39951),

Gene: Enby_60 Start: 38955, Stop: 39239, Start Num: 28
Candidate Starts for Enby_60:
(Start: 28 @38955 has 107 MA's), (38, 38979), (46, 38994), (65, 39039), (Start: 68 @39051 has 6 MA's), (85, 39129), (88, 39141), (92, 39165), (95, 39177), (110, 39231),

Gene: Enceladus_75 Start: 51992, Stop: 52282, Start Num: 47
Candidate Starts for Enceladus_75:
(Start: 39 @51977 has 37 MA's), (Start: 47 @51992 has 12 MA's), (Start: 68 @52052 has 6 MA's), (83, 52115), (88, 52142), (97, 52196), (118, 52265), (119, 52268),

Gene: Enkosi_48 Start: 39653, Stop: 39922, Start Num: 34
Candidate Starts for Enkosi_48:
(Start: 34 @39653 has 119 MA's), (72, 39749), (86, 39809), (87, 39815), (88, 39818), (93, 39845), (95, 39857), (108, 39911),

Gene: Enzomatic_65 Start: 39785, Stop: 40063, Start Num: 28
Candidate Starts for Enzomatic_65:

(23, 39758), (Start: 28 @39785 has 107 MA's), (66, 39869), (69, 39878), (83, 39941), (85, 39956), (88, 39968), (92, 39992), (95, 40004), (110, 40055),

Gene: Estave1_62 Start: 41132, Stop: 41410, Start Num: 28

Candidate Starts for Estave1_62:

(23, 41105), (Start: 28 @41132 has 107 MA's), (66, 41216), (69, 41225), (83, 41288), (85, 41303), (88, 41315), (92, 41339), (95, 41351), (110, 41402),

Gene: Eureka_92 Start: 57064, Stop: 57324, Start Num: 48

Candidate Starts for Eureka_92:

(Start: 48 @57064 has 127 MA's), (58, 57085), (76, 57160), (89, 57229), (102, 57295),

Gene: FairyPath_93 Start: 57270, Stop: 57530, Start Num: 48

Candidate Starts for FairyPath_93:

(Start: 48 @57270 has 127 MA's), (58, 57291), (76, 57366), (89, 57435), (102, 57501),

Gene: Faith1_81 Start: 53918, Stop: 54214, Start Num: 39

Candidate Starts for Faith1_81:

(Start: 39 @53918 has 37 MA's), (Start: 68 @53978 has 6 MA's), (79, 54023), (82, 54035), (88, 54071), (97, 54125), (98, 54128),

Gene: Fancypants_61 Start: 40646, Stop: 40930, Start Num: 28

Candidate Starts for Fancypants_61:

(23, 40619), (Start: 28 @40646 has 107 MA's), (38, 40670), (46, 40685), (65, 40730), (Start: 68 @40742 has 6 MA's), (85, 40820), (88, 40832), (92, 40856), (95, 40868), (110, 40922),

Gene: FarmResident_80 Start: 52292, Stop: 52576, Start Num: 40

Candidate Starts for FarmResident_80:

(Start: 40 @52292 has 4 MA's), (Start: 68 @52346 has 6 MA's), (79, 52391), (82, 52403), (88, 52439), (90, 52457), (98, 52496),

Gene: Fastidio_59 Start: 38748, Stop: 39026, Start Num: 28

Candidate Starts for Fastidio_59:

(23, 38721), (Start: 28 @38748 has 107 MA's), (66, 38832), (69, 38841), (83, 38904), (85, 38919), (88, 38931), (92, 38955), (95, 38967), (110, 39018),

Gene: Fefferhead_51 Start: 37691, Stop: 37945, Start Num: 35

Candidate Starts for Fefferhead_51:

(11, 37541), (Start: 35 @37691 has 22 MA's), (Start: 68 @37757 has 6 MA's), (90, 37865), (100, 37910),

Gene: Filch_95 Start: 56349, Stop: 56609, Start Num: 48

Candidate Starts for Filch_95:

(Start: 48 @56349 has 127 MA's), (58, 56370), (76, 56445), (89, 56514), (102, 56580),

Gene: Findley_54 Start: 39552, Stop: 39785, Start Num: 35

Candidate Starts for Findley_54:

(Start: 35 @39552 has 22 MA's), (Start: 36 @39555 has 4 MA's), (44, 39561), (Start: 48 @39567 has 127 MA's), (80, 39657), (81, 39663), (93, 39726),

Gene: Finemlucis_80 Start: 54386, Stop: 54682, Start Num: 39

Candidate Starts for Finemlucis_80:

(Start: 39 @54386 has 37 MA's), (83, 54512), (88, 54539), (94, 54569), (97, 54593),

Gene: Finnry_79 Start: 54045, Stop: 54314, Start Num: 39

Candidate Starts for Finnry_79:

(Start: 39 @54045 has 37 MA's), (Start: 47 @54060 has 12 MA's), (88, 54195), (96, 54237), (102, 54273), (111, 54297),

Gene: FireRed_97 Start: 57367, Stop: 57627, Start Num: 48

Candidate Starts for FireRed_97:

(Start: 48 @57367 has 127 MA's), (58, 57388), (76, 57463), (89, 57532), (102, 57598),

Gene: Firehouse51_60 Start: 43530, Stop: 43814, Start Num: 28

Candidate Starts for Firehouse51_60:

(23, 43503), (Start: 28 @43530 has 107 MA's), (38, 43554), (46, 43569), (65, 43614), (Start: 68 @43626 has 6 MA's), (85, 43704), (88, 43716), (92, 43740), (95, 43752), (110, 43806),

Gene: Flypotenuse_89 Start: 55727, Stop: 55987, Start Num: 48

Candidate Starts for Flypotenuse_89:

(Start: 48 @55727 has 127 MA's), (58, 55748), (76, 55823), (89, 55892), (102, 55958),

Gene: FoghornLeghorn_87 Start: 54752, Stop: 55012, Start Num: 48

Candidate Starts for FoghornLeghorn_87:

(17, 54614), (Start: 48 @54752 has 127 MA's), (58, 54773), (89, 54917), (102, 54983),

Gene: Fryberger_93 Start: 47445, Stop: 47750, Start Num: 49

Candidate Starts for Fryberger_93:

(Start: 49 @47445 has 6 MA's), (62, 47478), (101, 47679), (109, 47703),

Gene: Fullmetal_7 Start: 5216, Stop: 4959, Start Num: 55

Candidate Starts for Fullmetal_7:

(Start: 27 @5276 has 12 MA's), (Start: 55 @5216 has 10 MA's), (83, 5102), (97, 5027), (109, 4982),

Gene: G4_41 Start: 28598, Stop: 28930, Start Num: 26

Candidate Starts for G4_41:

(Start: 26 @28598 has 7 MA's), (43, 28625), (61, 28661), (64, 28673), (77, 28733), (78, 28742), (104, 28868), (114, 28907), (116, 28916),

Gene: G4_48 Start: 30679, Stop: 30978, Start Num: 42

Candidate Starts for G4_48:

(9, 30469), (10, 30493), (12, 30508), (13, 30535), (Start: 42 @30679 has 1 MA's), (51, 30694), (53, 30697), (56, 30706), (61, 30718), (80, 30802), (83, 30820), (99, 30904), (101, 30916), (106, 30931), (116, 30970),

Gene: Gage_95 Start: 56798, Stop: 57058, Start Num: 48

Candidate Starts for Gage_95:

(Start: 48 @56798 has 127 MA's), (58, 56819), (76, 56894), (89, 56963), (102, 57029),

Gene: Galactic_58 Start: 39901, Stop: 40179, Start Num: 28

Candidate Starts for Galactic_58:

(23, 39874), (Start: 28 @39901 has 107 MA's), (66, 39985), (69, 39994), (83, 40057), (85, 40072), (88, 40084), (92, 40108), (95, 40120), (110, 40171),

Gene: Ganymede_51 Start: 37786, Stop: 38049, Start Num: 34

Candidate Starts for Ganymede_51:

(Start: 34 @37786 has 119 MA's), (83, 37927),

Gene: Gardann_81 Start: 53753, Stop: 54049, Start Num: 39

Candidate Starts for Gardann_81:

(Start: 39 @53753 has 37 MA's), (Start: 68 @53813 has 6 MA's), (79, 53858), (82, 53870), (88, 53906), (97, 53960), (98, 53963),

Gene: Gator_91 Start: 56582, Stop: 56842, Start Num: 48

Candidate Starts for Gator_91:

(17, 56444), (Start: 48 @56582 has 127 MA's), (58, 56603), (89, 56747), (102, 56813),

Gene: Gemini_98 Start: 57174, Stop: 57434, Start Num: 48

Candidate Starts for Gemini_98:

(Start: 48 @57174 has 127 MA's), (58, 57195), (76, 57270), (89, 57339), (102, 57405),

Gene: Geraldini_53 Start: 38403, Stop: 38666, Start Num: 34

Candidate Starts for Geraldini_53:

(Start: 34 @38403 has 119 MA's), (62, 38457), (63, 38463), (83, 38544),

Gene: Girr_57 Start: 39742, Stop: 40020, Start Num: 28

Candidate Starts for Girr_57:

(23, 39715), (Start: 28 @39742 has 107 MA's), (66, 39826), (69, 39835), (83, 39898), (85, 39913), (88, 39925), (92, 39949), (95, 39961), (110, 40012),

Gene: Glexan_92 Start: 56857, Stop: 57117, Start Num: 48

Candidate Starts for Glexan_92:

(Start: 48 @56857 has 127 MA's), (58, 56878), (76, 56953), (89, 57022), (102, 57088),

Gene: Goku_92 Start: 56793, Stop: 57053, Start Num: 48

Candidate Starts for Goku_92:

(Start: 48 @56793 has 127 MA's), (58, 56814), (76, 56889), (89, 56958), (102, 57024),

Gene: GoldenSpark_97 Start: 56657, Stop: 56917, Start Num: 48

Candidate Starts for GoldenSpark_97:

(Start: 48 @56657 has 127 MA's), (58, 56678), (76, 56753), (89, 56822), (102, 56888),

Gene: Goldilocks_96 Start: 56015, Stop: 56275, Start Num: 48

Candidate Starts for Goldilocks_96:

(Start: 48 @56015 has 127 MA's), (58, 56036), (76, 56111), (89, 56180), (102, 56246),

Gene: GooberAzure_96 Start: 56657, Stop: 56917, Start Num: 48

Candidate Starts for GooberAzure_96:

(Start: 48 @56657 has 127 MA's), (58, 56678), (76, 56753), (89, 56822), (102, 56888),

Gene: Greep_97 Start: 57931, Stop: 58191, Start Num: 48

Candidate Starts for Greep_97:

(Start: 48 @57931 has 127 MA's), (58, 57952), (76, 58027), (89, 58096), (102, 58162),

Gene: Grimmer_69 Start: 41537, Stop: 41815, Start Num: 28

Candidate Starts for Grimmer_69:

(23, 41510), (Start: 28 @41537 has 107 MA's), (66, 41621), (83, 41693), (85, 41708), (88, 41720), (92, 41744), (95, 41756), (110, 41807),

Gene: Guanica15_53 Start: 37156, Stop: 37407, Start Num: 41
Candidate Starts for Guanica15_53:
(Start: 34 @37144 has 119 MA's), (Start: 41 @37156 has 2 MA's), (80, 37267), (83, 37285),

Gene: Guey18_98 Start: 48765, Stop: 49070, Start Num: 49
Candidate Starts for Guey18_98:
(Start: 49 @48765 has 6 MA's), (62, 48798), (101, 48999), (109, 49023),

Gene: Halena_76 Start: 51262, Stop: 51552, Start Num: 47
Candidate Starts for Halena_76:
(Start: 39 @51247 has 37 MA's), (Start: 47 @51262 has 12 MA's), (Start: 68 @51322 has 6 MA's), (83, 51385), (88, 51412), (118, 51535), (119, 51538),

Gene: Hammy_53 Start: 38432, Stop: 38686, Start Num: 35
Candidate Starts for Hammy_53:
(3, 38114), (7, 38183), (11, 38279), (Start: 35 @38432 has 22 MA's), (Start: 68 @38498 has 6 MA's), (83, 38561), (90, 38606),

Gene: HanKaySha_94 Start: 56224, Stop: 56484, Start Num: 48
Candidate Starts for HanKaySha_94:
(Start: 48 @56224 has 127 MA's), (58, 56245), (76, 56320), (89, 56389), (102, 56455),

Gene: Harella_93 Start: 57373, Stop: 57633, Start Num: 48
Candidate Starts for Harella_93:
(Start: 48 @57373 has 127 MA's), (58, 57394), (76, 57469), (89, 57538), (102, 57604),

Gene: HedwigODU_50 Start: 37356, Stop: 37619, Start Num: 34
Candidate Starts for HedwigODU_50:
(Start: 34 @37356 has 119 MA's), (83, 37497),

Gene: Henry_91 Start: 56534, Stop: 56794, Start Num: 48
Candidate Starts for Henry_91:
(Start: 48 @56534 has 127 MA's), (58, 56555), (76, 56630), (89, 56699), (102, 56765),

Gene: Highbury_92 Start: 56224, Stop: 56484, Start Num: 48
Candidate Starts for Highbury_92:
(Start: 48 @56224 has 127 MA's), (58, 56245), (76, 56320), (89, 56389), (102, 56455),

Gene: Holt_98 Start: 57071, Stop: 57331, Start Num: 48
Candidate Starts for Holt_98:
(Start: 48 @57071 has 127 MA's), (58, 57092), (76, 57167), (89, 57236), (102, 57302),

Gene: Homura_50 Start: 37471, Stop: 37734, Start Num: 34
Candidate Starts for Homura_50:
(Start: 34 @37471 has 119 MA's), (83, 37612),

Gene: Hoonter_96 Start: 56529, Stop: 56789, Start Num: 48
Candidate Starts for Hoonter_96:
(Start: 48 @56529 has 127 MA's), (58, 56550), (76, 56625), (89, 56694), (102, 56760),

Gene: Hohey_94 Start: 57035, Stop: 57295, Start Num: 48
Candidate Starts for Hohey_94:
(Start: 48 @57035 has 127 MA's), (58, 57056), (76, 57131), (89, 57200), (102, 57266),

Gene: HufflyPuff_95 Start: 57119, Stop: 57379, Start Num: 48

Candidate Starts for HufflyPuff_95:

(Start: 48 @57119 has 127 MA's), (58, 57140), (76, 57215), (89, 57284), (102, 57350),

Gene: Hurricane_53 Start: 37919, Stop: 38188, Start Num: 31

Candidate Starts for Hurricane_53:

(7, 37679), (16, 37823), (Start: 31 @37919 has 7 MA's), (45, 37943), (83, 38063), (93, 38117),

Gene: Hyperbowlee_50 Start: 37668, Stop: 37931, Start Num: 34

Candidate Starts for Hyperbowlee_50:

(Start: 34 @37668 has 119 MA's), (83, 37809),

Gene: IHOP_91 Start: 56697, Stop: 56957, Start Num: 48

Candidate Starts for IHOP_91:

(Start: 48 @56697 has 127 MA's), (58, 56718), (76, 56793), (89, 56862), (102, 56928),

Gene: lbOuu_60 Start: 40412, Stop: 40696, Start Num: 28

Candidate Starts for lbOuu_60:

(Start: 28 @40412 has 107 MA's), (38, 40436), (46, 40451), (65, 40496), (Start: 68 @40508 has 6 MA's), (85, 40586), (88, 40598), (92, 40622), (95, 40634), (110, 40688),

Gene: lbhubesi_59 Start: 40025, Stop: 40303, Start Num: 28

Candidate Starts for lbhubesi_59:

(23, 39998), (Start: 28 @40025 has 107 MA's), (66, 40109), (69, 40118), (85, 40196), (88, 40208), (92, 40232), (95, 40244), (110, 40295),

Gene: Ibrahim_41 Start: 31892, Stop: 32149, Start Num: 27

Candidate Starts for Ibrahim_41:

(4, 31616), (6, 31637), (Start: 27 @31892 has 12 MA's), (Start: 68 @31976 has 6 MA's), (88, 32066),

Gene: Icee_94 Start: 56184, Stop: 56444, Start Num: 48

Candidate Starts for Icee_94:

(Start: 48 @56184 has 127 MA's), (58, 56205), (76, 56280), (89, 56349), (102, 56415),

Gene: Ididsumtinwong_41 Start: 27555, Stop: 27854, Start Num: 35

Candidate Starts for Ididsumtinwong_41:

(5, 27267), (8, 27312), (19, 27486), (Start: 35 @27555 has 22 MA's), (88, 27717),

Gene: Illumine_53 Start: 38105, Stop: 38368, Start Num: 34

Candidate Starts for Illumine_53:

(7, 37853), (Start: 34 @38105 has 119 MA's), (62, 38159), (83, 38246),

Gene: Inca_90 Start: 55186, Stop: 55446, Start Num: 48

Candidate Starts for Inca_90:

(Start: 48 @55186 has 127 MA's), (58, 55207), (76, 55282), (89, 55351), (102, 55417),

Gene: Inky_50 Start: 37471, Stop: 37734, Start Num: 34

Candidate Starts for Inky_50:

(Start: 34 @37471 has 119 MA's), (83, 37612),

Gene: Inventum_54 Start: 39529, Stop: 39807, Start Num: 28

Candidate Starts for Inventum_54:

(23, 39502), (Start: 28 @39529 has 107 MA's), (66, 39613), (69, 39622), (83, 39685), (85, 39700), (88, 39712), (92, 39736), (95, 39748), (110, 39799),

Gene: Itos_80 Start: 52824, Stop: 53120, Start Num: 39

Candidate Starts for Itos_80:

(Start: 39 @52824 has 37 MA's), (Start: 68 @52884 has 6 MA's), (79, 52929), (82, 52941), (88, 52977), (97, 53031), (98, 53034),

Gene: JAWS_50 Start: 37345, Stop: 37608, Start Num: 34

Candidate Starts for JAWS_50:

(Start: 34 @37345 has 119 MA's), (83, 37486),

Gene: Jabbawokkie_73 Start: 41755, Stop: 42039, Start Num: 28

Candidate Starts for Jabbawokkie_73:

(23, 41728), (Start: 28 @41755 has 107 MA's), (38, 41779), (46, 41794), (65, 41839), (Start: 68 @41851 has 6 MA's), (85, 41929), (88, 41941), (92, 41965), (95, 41977), (110, 42031),

Gene: Jarcob_59 Start: 39980, Stop: 40264, Start Num: 28

Candidate Starts for Jarcob_59:

(23, 39953), (Start: 28 @39980 has 107 MA's), (38, 40004), (46, 40019), (65, 40064), (Start: 68 @40076 has 6 MA's), (85, 40154), (88, 40166), (92, 40190), (95, 40202), (110, 40256),

Gene: Jarvi_50 Start: 37471, Stop: 37734, Start Num: 34

Candidate Starts for Jarvi_50:

(Start: 34 @37471 has 119 MA's), (83, 37612),

Gene: Jayhawk_51 Start: 37354, Stop: 37617, Start Num: 34

Candidate Starts for Jayhawk_51:

(Start: 34 @37354 has 119 MA's), (83, 37495),

Gene: JeTaime_94 Start: 57387, Stop: 57647, Start Num: 48

Candidate Starts for JeTaime_94:

(Start: 48 @57387 has 127 MA's), (58, 57408), (76, 57483), (89, 57552), (102, 57618),

Gene: Jeckyll_50 Start: 37471, Stop: 37734, Start Num: 34

Candidate Starts for Jeckyll_50:

(Start: 34 @37471 has 119 MA's), (83, 37612),

Gene: Jennelsea_56 Start: 38665, Stop: 38943, Start Num: 28

Candidate Starts for Jennelsea_56:

(23, 38638), (Start: 28 @38665 has 107 MA's), (66, 38749), (69, 38758), (83, 38821), (85, 38836), (88, 38848), (92, 38872), (95, 38884), (100, 38908), (110, 38935),

Gene: Jinglebell_64 Start: 42540, Stop: 42818, Start Num: 28

Candidate Starts for Jinglebell_64:

(23, 42513), (Start: 28 @42540 has 107 MA's), (66, 42624), (69, 42633), (83, 42696), (85, 42711), (88, 42723), (92, 42747), (95, 42759), (110, 42810),

Gene: Job42_61 Start: 41920, Stop: 42201, Start Num: 28

Candidate Starts for Job42_61:

(23, 41893), (Start: 28 @41920 has 107 MA's), (66, 42004), (69, 42013), (83, 42076), (85, 42091), (88, 42103), (92, 42127), (95, 42139), (110, 42193),

Gene: Jobypre_79 Start: 53794, Stop: 54063, Start Num: 39

Candidate Starts for Jobypre_79:

(Start: 39 @53794 has 37 MA's), (Start: 47 @53809 has 12 MA's), (88, 53944), (96, 53986), (102, 54022), (111, 54046),

Gene: JoeDirt_78 Start: 52575, Stop: 52880, Start Num: 39

Candidate Starts for JoeDirt_78:

(Start: 39 @52575 has 37 MA's), (Start: 47 @52590 has 12 MA's), (Start: 68 @52650 has 6 MA's), (83, 52713), (88, 52740), (97, 52794), (118, 52863), (119, 52866),

Gene: JoeyJr_54 Start: 38435, Stop: 38713, Start Num: 28

Candidate Starts for JoeyJr_54:

(23, 38408), (Start: 28 @38435 has 107 MA's), (66, 38519), (69, 38528), (83, 38591), (85, 38606), (88, 38618), (92, 38642), (95, 38654), (110, 38705),

Gene: Journey_43 Start: 30217, Stop: 30516, Start Num: 27

Candidate Starts for Journey_43:

(Start: 27 @30217 has 12 MA's), (32, 30235), (52, 30271), (Start: 59 @30286 has 1 MA's), (83, 30382), (93, 30433), (100, 30469), (108, 30502), (111, 30508),

Gene: Joy99_50 Start: 37400, Stop: 37663, Start Num: 34

Candidate Starts for Joy99_50:

(Start: 34 @37400 has 119 MA's), (83, 37541),

Gene: Jubie_78 Start: 53929, Stop: 54198, Start Num: 39

Candidate Starts for Jubie_78:

(Start: 39 @53929 has 37 MA's), (Start: 47 @53944 has 12 MA's), (88, 54079), (96, 54121), (102, 54157), (111, 54181),

Gene: Kahlid_81 Start: 53924, Stop: 54220, Start Num: 39

Candidate Starts for Kahlid_81:

(Start: 39 @53924 has 37 MA's), (Start: 68 @53984 has 6 MA's), (79, 54029), (82, 54041), (88, 54077), (97, 54131), (98, 54134),

Gene: Kanye_90 Start: 56281, Stop: 56541, Start Num: 48

Candidate Starts for Kanye_90:

(Start: 48 @56281 has 127 MA's), (58, 56302), (76, 56377), (89, 56446), (102, 56512),

Gene: Karhdo_56 Start: 39525, Stop: 39809, Start Num: 28

Candidate Starts for Karhdo_56:

(23, 39498), (Start: 28 @39525 has 107 MA's), (38, 39549), (46, 39564), (65, 39609), (Start: 68 @39621 has 6 MA's), (85, 39699), (88, 39711), (92, 39735), (95, 39747), (110, 39801),

Gene: Keelan_94 Start: 48287, Stop: 48550, Start Num: 49

Candidate Starts for Keelan_94:

(Start: 49 @48287 has 6 MA's), (71, 48365), (83, 48419), (107, 48542),

Gene: Keshu_55 Start: 37986, Stop: 38255, Start Num: 31

Candidate Starts for Keshu_55:

(7, 37746), (Start: 31 @37986 has 7 MA's), (45, 38010), (83, 38130), (93, 38184),

Gene: KiSi_55 Start: 38687, Stop: 38956, Start Num: 37

Candidate Starts for KiSi_55:

(Start: 34 @38681 has 119 MA's), (Start: 37 @38687 has 2 MA's), (62, 38729), (Start: 68 @38753 has 6 MA's), (90, 38861), (113, 38945),

Gene: Kimberlium_62 Start: 41811, Stop: 42092, Start Num: 28

Candidate Starts for Kimberlium_62:

(22, 41775), (Start: 28 @41811 has 107 MA's), (38, 41835), (65, 41892), (Start: 68 @41904 has 6 MA's), (85, 41982), (88, 41994), (92, 42018), (95, 42030), (110, 42084),

Gene: Kimchi_97 Start: 56801, Stop: 57061, Start Num: 48

Candidate Starts for Kimchi_97:

(Start: 48 @56801 has 127 MA's), (58, 56822), (76, 56897), (89, 56966), (102, 57032),

Gene: KingJulian_59 Start: 39051, Stop: 39335, Start Num: 28

Candidate Starts for KingJulian_59:

(23, 39024), (Start: 28 @39051 has 107 MA's), (38, 39075), (46, 39090), (65, 39135), (85, 39225), (88, 39237), (92, 39261), (95, 39273), (110, 39327),

Gene: KingMidas_58 Start: 40097, Stop: 40375, Start Num: 28

Candidate Starts for KingMidas_58:

(23, 40070), (Start: 28 @40097 has 107 MA's), (66, 40181), (69, 40190), (83, 40253), (85, 40268), (88, 40280), (92, 40304), (95, 40316), (110, 40367),

Gene: Kingsolomon_77 Start: 53801, Stop: 54070, Start Num: 39

Candidate Starts for Kingsolomon_77:

(Start: 39 @53801 has 37 MA's), (Start: 47 @53816 has 12 MA's), (88, 53951), (96, 53993), (102, 54029), (111, 54053),

Gene: KirDoubleO7_77 Start: 53797, Stop: 54084, Start Num: 47

Candidate Starts for KirDoubleO7_77:

(Start: 39 @53782 has 37 MA's), (Start: 47 @53797 has 12 MA's), (88, 53935),

Gene: Koella_53 Start: 35910, Stop: 36194, Start Num: 28

Candidate Starts for Koella_53:

(23, 35883), (Start: 28 @35910 has 107 MA's), (38, 35934), (46, 35949), (65, 35994), (Start: 68 @36006 has 6 MA's), (85, 36084), (88, 36096), (92, 36120), (95, 36132), (110, 36186),

Gene: Kostya_93 Start: 56799, Stop: 57059, Start Num: 48

Candidate Starts for Kostya_93:

(Start: 48 @56799 has 127 MA's), (58, 56820), (76, 56895), (89, 56964), (102, 57030),

Gene: Kropertea_75 Start: 52480, Stop: 52770, Start Num: 40

Candidate Starts for Kropertea_75:

(Start: 40 @52480 has 4 MA's), (62, 52510), (Start: 68 @52534 has 6 MA's), (82, 52591), (83, 52600), (88, 52627), (94, 52657), (98, 52684),

Gene: Krueger_57 Start: 38145, Stop: 38396, Start Num: 34

Candidate Starts for Krueger_57:

(Start: 34 @38145 has 119 MA's), (Start: 37 @38151 has 2 MA's), (80, 38265), (81, 38271), (83, 38283),

Gene: Krypton555_80 Start: 54028, Stop: 54342, Start Num: 39

Candidate Starts for Krypton555_80:

(Start: 39 @54028 has 37 MA's), (Start: 47 @54043 has 12 MA's), (82, 54154), (88, 54190), (117, 54322),

Gene: LastHope_53 Start: 36640, Stop: 36891, Start Num: 41

Candidate Starts for LastHope_53:

(Start: 34 @36628 has 119 MA's), (Start: 41 @36640 has 2 MA's), (62, 36682), (80, 36751), (83, 36769),

Gene: LaterM_51 Start: 38233, Stop: 38496, Start Num: 34

Candidate Starts for LaterM_51:

(Start: 34 @38233 has 119 MA's), (62, 38287), (83, 38374),

Gene: Lavahound_52 Start: 38674, Stop: 38928, Start Num: 35

Candidate Starts for Lavahound_52:

(11, 38524), (Start: 35 @38674 has 22 MA's), (Start: 68 @38740 has 6 MA's), (90, 38848),

Gene: LeBron_77 Start: 51321, Stop: 51551, Start Num: 68

Candidate Starts for LeBron_77:

(Start: 39 @51246 has 37 MA's), (Start: 47 @51261 has 12 MA's), (Start: 68 @51321 has 6 MA's), (83, 51384), (88, 51411), (118, 51534), (119, 51537),

Gene: LeMond_55 Start: 38671, Stop: 38940, Start Num: 37

Candidate Starts for LeMond_55:

(Start: 34 @38665 has 119 MA's), (Start: 37 @38671 has 2 MA's), (62, 38713), (Start: 68 @38737 has 6 MA's), (90, 38845), (113, 38929),

Gene: Lea83_53 Start: 37972, Stop: 38241, Start Num: 31

Candidate Starts for Lea83_53:

(1, 37507), (7, 37732), (Start: 31 @37972 has 7 MA's), (45, 37996), (83, 38116), (93, 38170),

Gene: Leozinho_58 Start: 39315, Stop: 39593, Start Num: 28

Candidate Starts for Leozinho_58:

(23, 39288), (Start: 28 @39315 has 107 MA's), (66, 39399), (69, 39408), (83, 39471), (85, 39486), (88, 39498), (92, 39522), (95, 39534), (110, 39585),

Gene: Leperchaun_51 Start: 37665, Stop: 37943, Start Num: 28

Candidate Starts for Leperchaun_51:

(23, 37638), (Start: 28 @37665 has 107 MA's), (66, 37749), (69, 37758), (83, 37821), (85, 37836), (88, 37848), (92, 37872), (95, 37884), (110, 37935),

Gene: LilMoolah_57 Start: 39425, Stop: 39706, Start Num: 28

Candidate Starts for LilMoolah_57:

(23, 39398), (Start: 28 @39425 has 107 MA's), (66, 39509), (69, 39518), (83, 39581), (85, 39596), (88, 39608), (92, 39632), (95, 39644), (110, 39698),

Gene: LilPharaoh_46 Start: 36768, Stop: 37037, Start Num: 34

Candidate Starts for LilPharaoh_46:

(Start: 34 @36768 has 119 MA's), (72, 36864), (86, 36924), (87, 36930), (88, 36933), (93, 36960), (95, 36972), (108, 37026),

Gene: Lilac_96 Start: 56626, Stop: 56886, Start Num: 48

Candidate Starts for Lilac_96:

(Start: 48 @56626 has 127 MA's), (58, 56647), (76, 56722), (89, 56791), (102, 56857),

Gene: Lilizi_94 Start: 56263, Stop: 56523, Start Num: 48

Candidate Starts for Lilizi_94:

(Start: 48 @56263 has 127 MA's), (58, 56284), (76, 56359), (89, 56428), (102, 56494),

Gene: Lilpickle_92 Start: 56151, Stop: 56411, Start Num: 48

Candidate Starts for Lilpickle_92:

(Start: 48 @56151 has 127 MA's), (58, 56172), (76, 56247), (89, 56316), (102, 56382),

Gene: LindNT_49 Start: 37556, Stop: 37819, Start Num: 34

Candidate Starts for LindNT_49:

(Start: 34 @37556 has 119 MA's), (62, 37610), (83, 37697),

Gene: Lishka_37 Start: 25254, Stop: 25553, Start Num: 35

Candidate Starts for Lishka_37:

(5, 24966), (8, 25011), (19, 25185), (Start: 35 @25254 has 22 MA's), (88, 25416),

Gene: LittleShirley_58 Start: 40469, Stop: 40753, Start Num: 28

Candidate Starts for LittleShirley_58:

(23, 40442), (Start: 28 @40469 has 107 MA's), (38, 40493), (46, 40508), (65, 40553), (Start: 68 @40565 has 6 MA's), (85, 40643), (88, 40655), (92, 40679), (95, 40691), (110, 40745),

Gene: LiyuLake_78 Start: 53870, Stop: 54157, Start Num: 47

Candidate Starts for LiyuLake_78:

(Start: 39 @53855 has 37 MA's), (Start: 47 @53870 has 12 MA's), (88, 54008),

Gene: Llama_64 Start: 42394, Stop: 42672, Start Num: 28

Candidate Starts for Llama_64:

(23, 42367), (Start: 28 @42394 has 107 MA's), (66, 42478), (69, 42487), (83, 42550), (85, 42565), (88, 42577), (92, 42601), (95, 42613), (110, 42664),

Gene: Llij_55 Start: 38833, Stop: 39117, Start Num: 28

Candidate Starts for Llij_55:

(23, 38806), (Start: 28 @38833 has 107 MA's), (38, 38857), (46, 38872), (65, 38917), (Start: 68 @38929 has 6 MA's), (85, 39007), (88, 39019), (92, 39043), (95, 39055), (110, 39109),

Gene: Llorens_50 Start: 37471, Stop: 37734, Start Num: 34

Candidate Starts for Llorens_50:

(Start: 34 @37471 has 119 MA's), (83, 37612),

Gene: Lolly9_78 Start: 53913, Stop: 54164, Start Num: 47

Candidate Starts for Lolly9_78:

(Start: 39 @53898 has 37 MA's), (Start: 47 @53913 has 12 MA's), (96, 54090), (111, 54150),

Gene: Lorde_59 Start: 38120, Stop: 38404, Start Num: 28

Candidate Starts for Lorde_59:

(23, 38093), (Start: 28 @38120 has 107 MA's), (38, 38144), (46, 38159), (65, 38204), (Start: 68 @38216 has 6 MA's), (85, 38294), (88, 38306), (92, 38330), (95, 38342), (110, 38396),

Gene: LunaBlu_61 Start: 40560, Stop: 40838, Start Num: 28

Candidate Starts for LunaBlu_61:

(23, 40533), (Start: 28 @40560 has 107 MA's), (66, 40644), (69, 40653), (83, 40716), (85, 40731), (88, 40743), (92, 40767), (95, 40779), (110, 40830),

Gene: Lunahalos_50 Start: 37471, Stop: 37734, Start Num: 34
Candidate Starts for Lunahalos_50:
(Start: 34 @37471 has 119 MA's), (83, 37612),

Gene: MAckerman_76 Start: 51240, Stop: 51545, Start Num: 39
Candidate Starts for MAckerman_76:
(Start: 39 @51240 has 37 MA's), (Start: 47 @51255 has 12 MA's), (Start: 68 @51315 has 6 MA's), (83, 51378), (88, 51405), (118, 51528), (119, 51531),

Gene: MISSy_94 Start: 56379, Stop: 56639, Start Num: 48
Candidate Starts for MISSy_94:
(Start: 48 @56379 has 127 MA's), (58, 56400), (76, 56475), (89, 56544), (102, 56610),

Gene: MPhalcon_94 Start: 56372, Stop: 56632, Start Num: 48
Candidate Starts for MPhalcon_94:
(Start: 48 @56372 has 127 MA's), (58, 56393), (76, 56468), (89, 56537), (102, 56603),

Gene: MacKat_45 Start: 32871, Stop: 33134, Start Num: 34
Candidate Starts for MacKat_45:
(Start: 34 @32871 has 119 MA's), (83, 33012),

Gene: MadMen_57 Start: 39757, Stop: 40041, Start Num: 28
Candidate Starts for MadMen_57:
(23, 39730), (Start: 28 @39757 has 107 MA's), (38, 39781), (46, 39796), (65, 39841), (Start: 68 @39853 has 6 MA's), (85, 39931), (88, 39943), (92, 39967), (95, 39979), (110, 40033),

Gene: MadamMonkfish_93 Start: 55878, Stop: 56138, Start Num: 48
Candidate Starts for MadamMonkfish_93:
(Start: 48 @55878 has 127 MA's), (58, 55899), (76, 55974), (89, 56043), (102, 56109),

Gene: Madiba_57 Start: 39006, Stop: 39290, Start Num: 28
Candidate Starts for Madiba_57:
(23, 38979), (Start: 28 @39006 has 107 MA's), (38, 39030), (46, 39045), (65, 39090), (Start: 68 @39102 has 6 MA's), (85, 39180), (88, 39192), (92, 39216), (95, 39228), (110, 39282),

Gene: Manda_95 Start: 57955, Stop: 58215, Start Num: 48
Candidate Starts for Manda_95:
(Start: 48 @57955 has 127 MA's), (58, 57976), (76, 58051), (89, 58120), (102, 58186),

Gene: Marcoliusprime_54 Start: 39559, Stop: 39792, Start Num: 35
Candidate Starts for Marcoliusprime_54:
(Start: 35 @39559 has 22 MA's), (Start: 36 @39562 has 4 MA's), (44, 39568), (Start: 48 @39574 has 127 MA's), (80, 39664), (81, 39670), (93, 39733),

Gene: MarkPhew_54 Start: 38124, Stop: 38393, Start Num: 34
Candidate Starts for MarkPhew_54:
(Start: 34 @38124 has 119 MA's), (57, 38151), (62, 38166), (Start: 68 @38190 has 6 MA's), (90, 38298), (113, 38382),

Gene: Marker_61 Start: 40100, Stop: 40384, Start Num: 28
Candidate Starts for Marker_61:

(23, 40073), (Start: 28 @40100 has 107 MA's), (38, 40124), (46, 40139), (65, 40184), (Start: 68 @40196 has 6 MA's), (85, 40274), (88, 40286), (92, 40310), (95, 40322), (110, 40376),

Gene: Marshawn_53 Start: 38262, Stop: 38522, Start Num: 34

Candidate Starts for Marshawn_53:

(3, 37941), (7, 38010), (11, 38106), (Start: 34 @38262 has 119 MA's), (63, 38319), (88, 38427), (100, 38490),

Gene: Marshmallow_91 Start: 57427, Stop: 57687, Start Num: 48

Candidate Starts for Marshmallow_91:

(Start: 48 @57427 has 127 MA's), (58, 57448), (76, 57523), (89, 57592), (102, 57658),

Gene: Maxxinista_96 Start: 56793, Stop: 57053, Start Num: 48

Candidate Starts for Maxxinista_96:

(Start: 48 @56793 has 127 MA's), (58, 56814), (76, 56889), (89, 56958), (102, 57024),

Gene: McMater_53 Start: 38285, Stop: 38548, Start Num: 34

Candidate Starts for McMater_53:

(1, 37805), (3, 37961), (7, 38030), (Start: 34 @38285 has 119 MA's), (73, 38387), (80, 38405), (83, 38423), (93, 38477), (100, 38513), (108, 38537),

Gene: Mdavu_47 Start: 37029, Stop: 37298, Start Num: 34

Candidate Starts for Mdavu_47:

(Start: 34 @37029 has 119 MA's), (72, 37125), (86, 37185), (87, 37191), (88, 37194), (93, 37221), (95, 37233), (108, 37287),

Gene: MeaningOfLife_51 Start: 38280, Stop: 38543, Start Num: 34

Candidate Starts for MeaningOfLife_51:

(Start: 34 @38280 has 119 MA's), (83, 38421),

Gene: Megsy_52 Start: 37615, Stop: 37878, Start Num: 34

Candidate Starts for Megsy_52:

(Start: 34 @37615 has 119 MA's), (62, 37669), (83, 37756),

Gene: Miley16_81 Start: 53918, Stop: 54214, Start Num: 39

Candidate Starts for Miley16_81:

(Start: 39 @53918 has 37 MA's), (Start: 68 @53978 has 6 MA's), (79, 54023), (82, 54035), (88, 54071), (97, 54125), (98, 54128),

Gene: Milly_54 Start: 39532, Stop: 39765, Start Num: 35

Candidate Starts for Milly_54:

(Start: 35 @39532 has 22 MA's), (Start: 36 @39535 has 4 MA's), (44, 39541), (Start: 48 @39547 has 127 MA's), (80, 39637), (81, 39643), (93, 39706),

Gene: Mindy_92 Start: 55700, Stop: 55960, Start Num: 48

Candidate Starts for Mindy_92:

(Start: 48 @55700 has 127 MA's), (58, 55721), (76, 55796), (89, 55865), (102, 55931),

Gene: MiniLon_83 Start: 53899, Stop: 54165, Start Num: 39

Candidate Starts for MiniLon_83:

(Start: 39 @53899 has 37 MA's), (Start: 47 @53914 has 12 MA's), (96, 54091), (111, 54151),

Gene: MiniMac_83 Start: 53909, Stop: 54160, Start Num: 47

Candidate Starts for MiniMac_83:

(Start: 39 @53894 has 37 MA's), (Start: 47 @53909 has 12 MA's), (96, 54086), (111, 54146),

Gene: Miniwave_88 Start: 56195, Stop: 56455, Start Num: 48

Candidate Starts for Miniwave_88:

(Start: 48 @56195 has 127 MA's), (58, 56216), (76, 56291), (89, 56360), (102, 56426),

Gene: Misfit_94 Start: 57669, Stop: 57929, Start Num: 48

Candidate Starts for Misfit_94:

(Start: 48 @57669 has 127 MA's), (58, 57690), (76, 57765), (89, 57834), (102, 57900),

Gene: MisterCuddles_57 Start: 39742, Stop: 40020, Start Num: 28

Candidate Starts for MisterCuddles_57:

(23, 39715), (Start: 28 @39742 has 107 MA's), (66, 39826), (69, 39835), (83, 39898), (85, 39913), (88, 39925), (92, 39949), (95, 39961), (110, 40012),

Gene: MkaliMitinis3_82 Start: 53987, Stop: 54283, Start Num: 39

Candidate Starts for MkaliMitinis3_82:

(Start: 39 @53987 has 37 MA's), (Start: 68 @54047 has 6 MA's), (79, 54092), (82, 54104), (88, 54140), (97, 54194), (98, 54197),

Gene: Modragons_63 Start: 42384, Stop: 42662, Start Num: 28

Candidate Starts for Modragons_63:

(23, 42357), (Start: 28 @42384 has 107 MA's), (66, 42468), (69, 42477), (83, 42540), (85, 42555), (88, 42567), (92, 42591), (95, 42603), (110, 42654),

Gene: Moldemort_96 Start: 56336, Stop: 56596, Start Num: 48

Candidate Starts for Moldemort_96:

(Start: 48 @56336 has 127 MA's), (58, 56357), (76, 56432), (89, 56501), (102, 56567),

Gene: Moleficent_7 Start: 5213, Stop: 4956, Start Num: 55

Candidate Starts for Moleficent_7:

(Start: 27 @5273 has 12 MA's), (Start: 55 @5213 has 10 MA's), (83, 5099), (97, 5024), (109, 4979),

Gene: MollyToe_88 Start: 55218, Stop: 55478, Start Num: 48

Candidate Starts for MollyToe_88:

(Start: 48 @55218 has 127 MA's), (58, 55239), (76, 55314), (89, 55383), (102, 55449),

Gene: Moostard_77 Start: 53811, Stop: 54065, Start Num: 47

Candidate Starts for Moostard_77:

(Start: 39 @53796 has 37 MA's), (Start: 47 @53811 has 12 MA's), (88, 53946), (96, 53988), (102, 54024), (111, 54048),

Gene: Morrill_7 Start: 5168, Stop: 4911, Start Num: 55

Candidate Starts for Morrill_7:

(Start: 27 @5228 has 12 MA's), (Start: 55 @5168 has 10 MA's), (74, 5096), (83, 5054), (97, 4979), (109, 4934),

Gene: Mosby_89 Start: 55952, Stop: 56212, Start Num: 48

Candidate Starts for Mosby_89:

(Start: 48 @55952 has 127 MA's), (58, 55973), (76, 56048), (89, 56117), (102, 56183),

Gene: Mova_60 Start: 39510, Stop: 39794, Start Num: 28

Candidate Starts for Mova_60:

(23, 39483), (Start: 28 @39510 has 107 MA's), (38, 39534), (46, 39549), (65, 39594), (Start: 68 @39606 has 6 MA's), (85, 39684), (88, 39696), (92, 39720), (95, 39732), (110, 39786),

Gene: MsGreen_79 Start: 53793, Stop: 54062, Start Num: 39

Candidate Starts for MsGreen_79:

(Start: 39 @53793 has 37 MA's), (Start: 47 @53808 has 12 MA's), (88, 53943), (96, 53985), (102, 54021), (111, 54045),

Gene: Mufasa_54 Start: 39116, Stop: 39349, Start Num: 36

Candidate Starts for Mufasa_54:

(Start: 35 @39113 has 22 MA's), (Start: 36 @39116 has 4 MA's), (44, 39122), (Start: 48 @39128 has 127 MA's), (80, 39218), (81, 39224), (93, 39287), (108, 39338),

Gene: MulchExplorer_66 Start: 41810, Stop: 42091, Start Num: 28

Candidate Starts for MulchExplorer_66:

(22, 41774), (Start: 28 @41810 has 107 MA's), (38, 41834), (65, 41891), (Start: 68 @41903 has 6 MA's), (85, 41981), (88, 41993), (92, 42017), (95, 42029), (110, 42083),

Gene: Murica_96 Start: 57595, Stop: 57855, Start Num: 48

Candidate Starts for Murica_96:

(Start: 48 @57595 has 127 MA's), (58, 57616), (76, 57691), (89, 57760), (102, 57826),

Gene: Murphy_93 Start: 57036, Stop: 57296, Start Num: 48

Candidate Starts for Murphy_93:

(Start: 48 @57036 has 127 MA's), (58, 57057), (76, 57132), (89, 57201), (102, 57267),

Gene: Murucutumbu_51 Start: 38326, Stop: 38589, Start Num: 34

Candidate Starts for Murucutumbu_51:

(7, 38074), (Start: 34 @38326 has 119 MA's), (62, 38380), (83, 38467),

Gene: Mutaforma13_63 Start: 42840, Stop: 43124, Start Num: 28

Candidate Starts for Mutaforma13_63:

(23, 42813), (Start: 28 @42840 has 107 MA's), (38, 42864), (46, 42879), (65, 42924), (Start: 68 @42936 has 6 MA's), (85, 43014), (88, 43026), (92, 43050), (95, 43062), (110, 43116),

Gene: Mwanjiwa_65 Start: 40617, Stop: 40895, Start Num: 28

Candidate Starts for Mwanjiwa_65:

(23, 40590), (Start: 28 @40617 has 107 MA's), (66, 40701), (69, 40710), (83, 40773), (85, 40788), (88, 40800), (92, 40824), (95, 40836), (110, 40887),

Gene: Mynx_51 Start: 37672, Stop: 37935, Start Num: 34

Candidate Starts for Mynx_51:

(Start: 34 @37672 has 119 MA's), (83, 37813),

Gene: Myrale_93 Start: 57158, Stop: 57418, Start Num: 48

Candidate Starts for Myrale_93:

(Start: 48 @57158 has 127 MA's), (58, 57179), (76, 57254), (89, 57323), (102, 57389),

Gene: Nairb_40 Start: 31446, Stop: 31703, Start Num: 27

Candidate Starts for Nairb_40:

(4, 31170), (6, 31191), (Start: 27 @31446 has 12 MA's), (Start: 68 @31530 has 6 MA's), (88, 31620),

Gene: Nala_95 Start: 56881, Stop: 57141, Start Num: 48
Candidate Starts for Nala_95:
(Start: 48 @56881 has 127 MA's), (58, 56902), (76, 56977), (89, 57046), (102, 57112),

Gene: NelitzaMV_91 Start: 56241, Stop: 56501, Start Num: 48
Candidate Starts for NelitzaMV_91:
(Start: 48 @56241 has 127 MA's), (58, 56262), (76, 56337), (89, 56406), (102, 56472),

Gene: Nergal_48 Start: 36024, Stop: 36272, Start Num: 34
Candidate Starts for Nergal_48:
(Start: 34 @36024 has 119 MA's), (80, 36138), (83, 36156), (89, 36189), (100, 36246),

Gene: NewHope4_60 Start: 39931, Stop: 40209, Start Num: 28
Candidate Starts for NewHope4_60:
(23, 39904), (Start: 28 @39931 has 107 MA's), (66, 40015), (69, 40024), (83, 40087), (85, 40102), (88, 40114), (92, 40138), (95, 40150), (110, 40201),

Gene: Nibb_53 Start: 37813, Stop: 38082, Start Num: 34
Candidate Starts for Nibb_53:
(Start: 34 @37813 has 119 MA's), (57, 37840), (90, 37987), (113, 38071),

Gene: Nicholas_77 Start: 53801, Stop: 54070, Start Num: 39
Candidate Starts for Nicholas_77:
(Start: 39 @53801 has 37 MA's), (Start: 47 @53816 has 12 MA's), (88, 53951), (96, 53993), (102, 54029), (111, 54053),

Gene: Nikao_49 Start: 39653, Stop: 39922, Start Num: 34
Candidate Starts for Nikao_49:
(Start: 34 @39653 has 119 MA's), (72, 39749), (86, 39809), (87, 39815), (88, 39818), (93, 39845), (95, 39857), (108, 39911),

Gene: Niklas_53 Start: 38346, Stop: 38609, Start Num: 34
Candidate Starts for Niklas_53:
(1, 37866), (3, 38022), (7, 38091), (Start: 34 @38346 has 119 MA's), (73, 38448), (80, 38466), (83, 38484), (93, 38538), (100, 38574), (108, 38598),

Gene: Nimrod_94 Start: 57584, Stop: 57844, Start Num: 48
Candidate Starts for Nimrod_94:
(Start: 48 @57584 has 127 MA's), (58, 57605), (76, 57680), (89, 57749), (102, 57815),

Gene: Nitzel_57 Start: 39291, Stop: 39521, Start Num: 28
Candidate Starts for Nitzel_57:
(23, 39264), (Start: 28 @39291 has 107 MA's), (66, 39375), (83, 39444), (88, 39471), (92, 39495),

Gene: Nivrat_55 Start: 39298, Stop: 39579, Start Num: 28
Candidate Starts for Nivrat_55:
(23, 39271), (Start: 28 @39298 has 107 MA's), (66, 39382), (69, 39391), (83, 39454), (85, 39469), (88, 39481), (92, 39505), (95, 39517), (110, 39571),

Gene: NoSleep_94 Start: 56218, Stop: 56478, Start Num: 48
Candidate Starts for NoSleep_94:
(Start: 48 @56218 has 127 MA's), (58, 56239), (76, 56314), (89, 56383), (102, 56449),

Gene: NonchalantPear_91 Start: 56074, Stop: 56334, Start Num: 48
Candidate Starts for NonchalantPear_91:
(Start: 48 @56074 has 127 MA's), (58, 56095), (76, 56170), (89, 56239), (102, 56305),

Gene: NormanBulbieJr_59 Start: 39923, Stop: 40207, Start Num: 28
Candidate Starts for NormanBulbieJr_59:
(23, 39896), (Start: 28 @39923 has 107 MA's), (38, 39947), (46, 39962), (65, 40007), (Start: 68 @40019 has 6 MA's), (85, 40097), (88, 40109), (92, 40133), (95, 40145), (110, 40199),

Gene: November_51 Start: 38195, Stop: 38449, Start Num: 35
Candidate Starts for November_51:
(3, 37877), (7, 37946), (11, 38042), (Start: 35 @38195 has 22 MA's), (Start: 68 @38261 has 6 MA's), (83, 38324), (90, 38369),

Gene: Nutello_46 Start: 37040, Stop: 37309, Start Num: 34
Candidate Starts for Nutello_46:
(Start: 34 @37040 has 119 MA's), (72, 37136), (86, 37196), (87, 37202), (88, 37205), (93, 37232), (95, 37244), (108, 37298),

Gene: Ochi17_62 Start: 41991, Stop: 42269, Start Num: 28
Candidate Starts for Ochi17_62:
(23, 41964), (Start: 28 @41991 has 107 MA's), (66, 42075), (69, 42084), (83, 42147), (85, 42162), (88, 42174), (92, 42198), (95, 42210), (110, 42261),

Gene: OfUltron_64 Start: 42540, Stop: 42818, Start Num: 28
Candidate Starts for OfUltron_64:
(23, 42513), (Start: 28 @42540 has 107 MA's), (66, 42624), (69, 42633), (83, 42696), (85, 42711), (88, 42723), (92, 42747), (95, 42759), (110, 42810),

Gene: OhShagHennessy_75 Start: 51278, Stop: 51583, Start Num: 39
Candidate Starts for OhShagHennessy_75:
(Start: 39 @51278 has 37 MA's), (Start: 47 @51293 has 12 MA's), (Start: 68 @51353 has 6 MA's), (83, 51416), (88, 51443), (97, 51497), (118, 51566), (119, 51569),

Gene: Oksu_63 Start: 42803, Stop: 43081, Start Num: 28
Candidate Starts for Oksu_63:
(23, 42776), (Start: 28 @42803 has 107 MA's), (66, 42887), (69, 42896), (83, 42959), (85, 42974), (88, 42986), (92, 43010), (95, 43022), (110, 43073),

Gene: OldBen_56 Start: 39848, Stop: 40132, Start Num: 28
Candidate Starts for OldBen_56:
(23, 39821), (Start: 28 @39848 has 107 MA's), (38, 39872), (46, 39887), (65, 39932), (Start: 68 @39944 has 6 MA's), (85, 40022), (88, 40034), (92, 40058), (95, 40070), (110, 40124),

Gene: OrionPax_92 Start: 55969, Stop: 56229, Start Num: 48
Candidate Starts for OrionPax_92:
(Start: 48 @55969 has 127 MA's), (58, 55990), (76, 56065), (89, 56134), (102, 56200),

Gene: Oscar_55 Start: 38567, Stop: 38842, Start Num: 34
Candidate Starts for Oscar_55:
(Start: 34 @38567 has 119 MA's), (Start: 37 @38573 has 2 MA's), (62, 38615), (Start: 68 @38639 has 6 MA's), (90, 38747), (113, 38831),

Gene: OwlsT2W_59 Start: 40166, Stop: 40444, Start Num: 28

Candidate Starts for OwlsT2W_59:

(23, 40139), (Start: 28 @40166 has 107 MA's), (66, 40250), (83, 40322), (85, 40337), (88, 40349), (92, 40373), (95, 40385), (110, 40436),

Gene: PFR1_37 Start: 28506, Stop: 28805, Start Num: 42

Candidate Starts for PFR1_37:

(13, 28362), (Start: 42 @28506 has 1 MA's), (51, 28521), (53, 28524), (56, 28533), (61, 28545), (80, 28629), (83, 28647), (88, 28674), (99, 28731), (101, 28743), (106, 28758), (116, 28797),

Gene: PFR2_39 Start: 30075, Stop: 30374, Start Num: 42

Candidate Starts for PFR2_39:

(13, 29931), (Start: 42 @30075 has 1 MA's), (51, 30090), (53, 30093), (56, 30102), (61, 30114), (80, 30198), (83, 30216), (88, 30243), (99, 30300), (101, 30312), (106, 30327), (116, 30366),

Gene: PHappiness_54 Start: 38211, Stop: 38489, Start Num: 28

Candidate Starts for PHappiness_54:

(23, 38184), (Start: 28 @38211 has 107 MA's), (66, 38295), (69, 38304), (83, 38367), (85, 38382), (88, 38394), (92, 38418), (95, 38430), (110, 38481),

Gene: PMC_56 Start: 40550, Stop: 40834, Start Num: 28

Candidate Starts for PMC_56:

(23, 40523), (Start: 28 @40550 has 107 MA's), (38, 40574), (46, 40589), (65, 40634), (Start: 68 @40646 has 6 MA's), (85, 40724), (88, 40736), (92, 40760), (95, 40772), (110, 40826),

Gene: PYPDinur_78 Start: 52985, Stop: 53275, Start Num: 40

Candidate Starts for PYPDinur_78:

(Start: 40 @52985 has 4 MA's), (75, 53069), (79, 53084), (82, 53096), (88, 53132), (90, 53150), (94, 53162), (98, 53189),

Gene: Pacc40_53 Start: 38285, Stop: 38563, Start Num: 28

Candidate Starts for Pacc40_53:

(23, 38258), (Start: 28 @38285 has 107 MA's), (66, 38369), (69, 38378), (83, 38441), (85, 38456), (88, 38468), (92, 38492), (95, 38504), (110, 38555),

Gene: PaddyBaddy_94 Start: 56517, Stop: 56777, Start Num: 48

Candidate Starts for PaddyBaddy_94:

(Start: 48 @56517 has 127 MA's), (58, 56538), (76, 56613), (89, 56682), (102, 56748),

Gene: Padfoot_50 Start: 37668, Stop: 37931, Start Num: 34

Candidate Starts for Padfoot_50:

(Start: 34 @37668 has 119 MA's), (83, 37809),

Gene: Padpat_52 Start: 37347, Stop: 37610, Start Num: 34

Candidate Starts for Padpat_52:

(Start: 34 @37347 has 119 MA's), (83, 37488),

Gene: Palpatine_95 Start: 57622, Stop: 57882, Start Num: 48

Candidate Starts for Palpatine_95:

(Start: 48 @57622 has 127 MA's), (58, 57643), (76, 57718), (89, 57787), (102, 57853),

Gene: PapayaSalad_40 Start: 27840, Stop: 28139, Start Num: 35

Candidate Starts for PapayaSalad_40:

(5, 27552), (8, 27597), (19, 27771), (Start: 35 @27840 has 22 MA's), (88, 28002),

Gene: Paperbeatsrock_92 Start: 56873, Stop: 57133, Start Num: 48

Candidate Starts for Paperbeatsrock_92:

(Start: 48 @56873 has 127 MA's), (58, 56894), (76, 56969), (89, 57038), (102, 57104),

Gene: Pat3_90 Start: 55071, Stop: 55331, Start Num: 48

Candidate Starts for Pat3_90:

(17, 54933), (Start: 48 @55071 has 127 MA's), (58, 55092), (89, 55236), (102, 55302),

Gene: PatoPoderoso_56 Start: 39051, Stop: 39335, Start Num: 28

Candidate Starts for PatoPoderoso_56:

(23, 39024), (Start: 28 @39051 has 107 MA's), (38, 39075), (46, 39090), (65, 39135), (85, 39225), (88, 39237), (92, 39261), (95, 39273), (110, 39327),

Gene: Peanam_53 Start: 38304, Stop: 38567, Start Num: 34

Candidate Starts for Peanam_53:

(1, 37824), (3, 37980), (7, 38049), (Start: 34 @38304 has 119 MA's), (73, 38406), (80, 38424), (83, 38442), (93, 38496), (100, 38532), (108, 38556),

Gene: Peel_50 Start: 37473, Stop: 37736, Start Num: 34

Candidate Starts for Peel_50:

(Start: 34 @37473 has 119 MA's), (83, 37614),

Gene: Peridot_60 Start: 39388, Stop: 39672, Start Num: 28

Candidate Starts for Peridot_60:

(23, 39361), (Start: 28 @39388 has 107 MA's), (38, 39412), (46, 39427), (65, 39472), (Start: 68 @39484 has 6 MA's), (85, 39562), (88, 39574), (92, 39598), (95, 39610), (110, 39664),

Gene: Petra64142_98 Start: 58076, Stop: 58336, Start Num: 48

Candidate Starts for Petra64142_98:

(17, 57938), (Start: 48 @58076 has 127 MA's), (58, 58097), (89, 58241), (102, 58307),

Gene: Phaja_91 Start: 56699, Stop: 56959, Start Num: 48

Candidate Starts for Phaja_91:

(Start: 48 @56699 has 127 MA's), (58, 56720), (76, 56795), (89, 56864), (102, 56930),

Gene: Pharb_50 Start: 36682, Stop: 36942, Start Num: 31

Candidate Starts for Pharb_50:

(1, 36217), (7, 36442), (Start: 31 @36682 has 7 MA's), (45, 36697), (93, 36871),

Gene: Pharsalus_90 Start: 56673, Stop: 56933, Start Num: 48

Candidate Starts for Pharsalus_90:

(Start: 48 @56673 has 127 MA's), (58, 56694), (76, 56769), (89, 56838), (102, 56904),

Gene: Phasih_57 Start: 40355, Stop: 40633, Start Num: 28

Candidate Starts for Phasih_57:

(23, 40328), (Start: 28 @40355 has 107 MA's), (66, 40439), (69, 40448), (83, 40511), (85, 40526), (88, 40538), (92, 40562), (95, 40574), (110, 40625),

Gene: PhatBacter_97 Start: 57367, Stop: 57627, Start Num: 48

Candidate Starts for PhatBacter_97:

(Start: 48 @57367 has 127 MA's), (58, 57388), (76, 57463), (89, 57532), (102, 57598),

Gene: Phatniss_57 Start: 39928, Stop: 40212, Start Num: 28

Candidate Starts for Phatniss_57:

(23, 39901), (Start: 28 @39928 has 107 MA's), (38, 39952), (46, 39967), (65, 40012), (Start: 68 @40024 has 6 MA's), (85, 40102), (88, 40114), (92, 40138), (95, 40150), (110, 40204),

Gene: Phaux_96 Start: 57909, Stop: 58169, Start Num: 48

Candidate Starts for Phaux_96:

(Start: 48 @57909 has 127 MA's), (58, 57930), (76, 58005), (89, 58074), (102, 58140),

Gene: PhelpsODU_53 Start: 37175, Stop: 37432, Start Num: 34

Candidate Starts for PhelpsODU_53:

(Start: 34 @37175 has 119 MA's), (46, 37196), (Start: 68 @37250 has 6 MA's), (83, 37313), (84, 37322), (100, 37400),

Gene: Philus_62 Start: 41088, Stop: 41369, Start Num: 28

Candidate Starts for Philus_62:

(23, 41061), (Start: 28 @41088 has 107 MA's), (66, 41172), (69, 41181), (83, 41244), (85, 41259), (88, 41271), (92, 41295), (95, 41307), (110, 41361),

Gene: PhlipPhlop_59 Start: 41642, Stop: 41926, Start Num: 28

Candidate Starts for PhlipPhlop_59:

(23, 41615), (Start: 28 @41642 has 107 MA's), (38, 41666), (46, 41681), (65, 41726), (85, 41816), (88, 41828), (92, 41852), (95, 41864), (110, 41918),

Gene: Phrank_54 Start: 37132, Stop: 37389, Start Num: 34

Candidate Starts for Phrank_54:

(Start: 34 @37132 has 119 MA's), (46, 37153), (Start: 68 @37207 has 6 MA's), (83, 37270), (84, 37279), (100, 37357),

Gene: PhriedRice_7 Start: 5180, Stop: 4923, Start Num: 55

Candidate Starts for PhriedRice_7:

(Start: 27 @5240 has 12 MA's), (Start: 55 @5180 has 10 MA's), (83, 5066), (97, 4991), (109, 4946),

Gene: Phrux_91 Start: 56185, Stop: 56445, Start Num: 48

Candidate Starts for Phrux_91:

(Start: 48 @56185 has 127 MA's), (58, 56206), (76, 56281), (89, 56350), (102, 56416),

Gene: Piatt_50 Start: 37668, Stop: 37931, Start Num: 34

Candidate Starts for Piatt_50:

(Start: 34 @37668 has 119 MA's), (83, 37809),

Gene: Pisa1_50 Start: 38627, Stop: 38890, Start Num: 34

Candidate Starts for Pisa1_50:

(Start: 34 @38627 has 119 MA's), (62, 38681), (83, 38768),

Gene: Pisa4_44 Start: 33996, Stop: 34259, Start Num: 34

Candidate Starts for Pisa4_44:

(Start: 34 @33996 has 119 MA's), (62, 34050), (83, 34137),

Gene: Pixie_52 Start: 37451, Stop: 37720, Start Num: 31

Candidate Starts for Pixie_52:

(7, 37211), (Start: 31 @37451 has 7 MA's), (45, 37475), (83, 37595), (93, 37649),

Gene: Plumbus_61 Start: 40255, Stop: 40533, Start Num: 28

Candidate Starts for Plumbus_61:

(23, 40228), (Start: 28 @40255 has 107 MA's), (66, 40339), (69, 40348), (83, 40411), (85, 40426), (88, 40438), (92, 40462), (95, 40474), (110, 40525),

Gene: Poenanya_59 Start: 41112, Stop: 41390, Start Num: 28

Candidate Starts for Poenanya_59:

(23, 41085), (Start: 28 @41112 has 107 MA's), (66, 41196), (69, 41205), (83, 41268), (85, 41283), (88, 41295), (92, 41319), (95, 41331), (110, 41382),

Gene: Pokerus_49 Start: 37394, Stop: 37657, Start Num: 34

Candidate Starts for Pokerus_49:

(Start: 34 @37394 has 119 MA's), (62, 37448), (83, 37535),

Gene: Policronamos_96 Start: 57640, Stop: 57900, Start Num: 48

Candidate Starts for Policronamos_96:

(Start: 48 @57640 has 127 MA's), (58, 57661), (76, 57736), (89, 57805), (102, 57871),

Gene: Polka14_57 Start: 39308, Stop: 39586, Start Num: 28

Candidate Starts for Polka14_57:

(23, 39281), (Start: 28 @39308 has 107 MA's), (66, 39392), (69, 39401), (83, 39464), (85, 39479), (88, 39491), (92, 39515), (95, 39527), (110, 39578),

Gene: Pollywog_60 Start: 40759, Stop: 41043, Start Num: 28

Candidate Starts for Pollywog_60:

(23, 40732), (Start: 28 @40759 has 107 MA's), (38, 40783), (46, 40798), (65, 40843), (Start: 68 @40855 has 6 MA's), (85, 40933), (88, 40945), (92, 40969), (95, 40981), (110, 41035),

Gene: Polo2Bam_64 Start: 39785, Stop: 40063, Start Num: 28

Candidate Starts for Polo2Bam_64:

(23, 39758), (Start: 28 @39785 has 107 MA's), (66, 39869), (69, 39878), (83, 39941), (85, 39956), (88, 39968), (92, 39992), (95, 40004), (110, 40055),

Gene: Pochiewood_76 Start: 52583, Stop: 52888, Start Num: 39

Candidate Starts for Pochiewood_76:

(Start: 39 @52583 has 37 MA's), (Start: 47 @52598 has 12 MA's), (Start: 68 @52658 has 6 MA's), (83, 52721), (88, 52748), (97, 52802), (118, 52871), (119, 52874),

Gene: Porky_92 Start: 55785, Stop: 56045, Start Num: 48

Candidate Starts for Porky_92:

(Start: 48 @55785 has 127 MA's), (58, 55806), (76, 55881), (89, 55950), (102, 56016),

Gene: Priscilla_59 Start: 40022, Stop: 40306, Start Num: 28

Candidate Starts for Priscilla_59:

(23, 39995), (Start: 28 @40022 has 107 MA's), (38, 40046), (46, 40061), (65, 40106), (Start: 68 @40118 has 6 MA's), (85, 40196), (88, 40208), (92, 40232), (95, 40244), (110, 40298),

Gene: Prithvi_51 Start: 37556, Stop: 37819, Start Num: 34

Candidate Starts for Prithvi_51:

(Start: 34 @37556 has 119 MA's), (62, 37610), (83, 37697),

Gene: Ptowny_90 Start: 55535, Stop: 55795, Start Num: 48

Candidate Starts for Ptowny_90:
(Start: 48 @55535 has 127 MA's), (58, 55556), (76, 55631), (89, 55700), (102, 55766),

Gene: Pumpkin_97 Start: 57561, Stop: 57821, Start Num: 48
Candidate Starts for Pumpkin_97:
(Start: 48 @57561 has 127 MA's), (58, 57582), (76, 57657), (89, 57726), (102, 57792),

Gene: Quallification_94 Start: 57281, Stop: 57541, Start Num: 48
Candidate Starts for Quallification_94:
(Start: 48 @57281 has 127 MA's), (58, 57302), (76, 57377), (89, 57446), (102, 57512),

Gene: Quby_79 Start: 52316, Stop: 52600, Start Num: 40
Candidate Starts for Quby_79:
(Start: 40 @52316 has 4 MA's), (79, 52415), (82, 52427), (88, 52463), (90, 52481), (98, 52520),

Gene: QuickMath_61 Start: 42034, Stop: 42315, Start Num: 28
Candidate Starts for QuickMath_61:
(22, 41998), (Start: 28 @42034 has 107 MA's), (38, 42058), (65, 42115), (Start: 68 @42127 has 6 MA's), (85, 42205), (88, 42217), (92, 42241), (95, 42253), (110, 42307),

Gene: QuincyRose_49 Start: 37786, Stop: 38049, Start Num: 34
Candidate Starts for QuincyRose_49:
(Start: 34 @37786 has 119 MA's), (83, 37927),

Gene: Rakim_94 Start: 56610, Stop: 56870, Start Num: 48
Candidate Starts for Rakim_94:
(Start: 48 @56610 has 127 MA's), (58, 56631), (76, 56706), (89, 56775), (102, 56841),

Gene: Ramen_51 Start: 37358, Stop: 37621, Start Num: 34
Candidate Starts for Ramen_51:
(Start: 34 @37358 has 119 MA's), (83, 37499),

Gene: Rapunzel97_51 Start: 37354, Stop: 37617, Start Num: 34
Candidate Starts for Rapunzel97_51:
(Start: 34 @37354 has 119 MA's), (83, 37495),

Gene: Red305_80 Start: 53809, Stop: 54063, Start Num: 47
Candidate Starts for Red305_80:
(Start: 39 @53794 has 37 MA's), (Start: 47 @53809 has 12 MA's), (88, 53944), (96, 53986), (102, 54022), (111, 54046),

Gene: RedBird_57 Start: 39343, Stop: 39624, Start Num: 28
Candidate Starts for RedBird_57:
(23, 39316), (Start: 28 @39343 has 107 MA's), (66, 39427), (69, 39436), (83, 39499), (85, 39514), (88, 39526), (92, 39550), (95, 39562),

Gene: Rialto_65 Start: 42826, Stop: 43110, Start Num: 28
Candidate Starts for Rialto_65:
(23, 42799), (Start: 28 @42826 has 107 MA's), (38, 42850), (46, 42865), (65, 42910), (Start: 68 @42922 has 6 MA's), (85, 43000), (88, 43012), (92, 43036), (95, 43048), (110, 43102),

Gene: Richo_53 Start: 38285, Stop: 38548, Start Num: 34
Candidate Starts for Richo_53:

(1, 37805), (3, 37961), (7, 38030), (Start: 34 @38285 has 119 MA's), (73, 38387), (80, 38405), (83, 38423), (93, 38477), (100, 38513), (108, 38537),

Gene: RicoCaldo_7 Start: 5210, Stop: 4953, Start Num: 55

Candidate Starts for RicoCaldo_7:

(Start: 27 @5270 has 12 MA's), (Start: 55 @5210 has 10 MA's), (83, 5096), (97, 5021), (109, 4976),

Gene: Rimmer_91 Start: 56182, Stop: 56442, Start Num: 48

Candidate Starts for Rimmer_91:

(17, 56044), (Start: 48 @56182 has 127 MA's), (58, 56203), (89, 56347), (102, 56413),

Gene: Rita_60 Start: 38653, Stop: 38937, Start Num: 28

Candidate Starts for Rita_60:

(23, 38626), (Start: 28 @38653 has 107 MA's), (38, 38677), (46, 38692), (65, 38737), (Start: 68 @38749 has 6 MA's), (85, 38827), (88, 38839), (92, 38863), (95, 38875), (110, 38929),

Gene: RitaG_54 Start: 38556, Stop: 38834, Start Num: 28

Candidate Starts for RitaG_54:

(23, 38529), (Start: 28 @38556 has 107 MA's), (66, 38640), (69, 38649), (83, 38712), (85, 38727), (88, 38739), (92, 38763), (95, 38775), (110, 38826),

Gene: RiverMonster_94 Start: 57081, Stop: 57341, Start Num: 48

Candidate Starts for RiverMonster_94:

(Start: 48 @57081 has 127 MA's), (58, 57102), (76, 57177), (89, 57246), (102, 57312),

Gene: Rockne_60 Start: 40562, Stop: 40846, Start Num: 28

Candidate Starts for Rockne_60:

(23, 40535), (Start: 28 @40562 has 107 MA's), (38, 40586), (46, 40601), (65, 40646), (Start: 68 @40658 has 6 MA's), (85, 40736), (88, 40748), (92, 40772), (95, 40784), (110, 40838),

Gene: RonRayGun_41 Start: 31892, Stop: 32149, Start Num: 27

Candidate Starts for RonRayGun_41:

(4, 31616), (6, 31637), (Start: 27 @31892 has 12 MA's), (Start: 68 @31976 has 6 MA's), (88, 32066),

Gene: Ronaldo_96 Start: 48347, Stop: 48652, Start Num: 49

Candidate Starts for Ronaldo_96:

(Start: 49 @48347 has 6 MA's), (62, 48380), (101, 48581), (109, 48605),

Gene: Rose5_78 Start: 52495, Stop: 52725, Start Num: 68

Candidate Starts for Rose5_78:

(Start: 39 @52420 has 37 MA's), (Start: 47 @52435 has 12 MA's), (Start: 68 @52495 has 6 MA's), (83, 52558), (88, 52585), (118, 52708), (119, 52711),

Gene: Rosmarinus_50 Start: 37459, Stop: 37722, Start Num: 34

Candidate Starts for Rosmarinus_50:

(Start: 34 @37459 has 119 MA's), (83, 37600),

Gene: Ruby_55 Start: 39743, Stop: 40021, Start Num: 28

Candidate Starts for Ruby_55:

(23, 39716), (Start: 28 @39743 has 107 MA's), (66, 39827), (69, 39836), (83, 39899), (85, 39914), (88, 39926), (92, 39950), (95, 39962), (110, 40013),

Gene: Rumpelstiltskin_78 Start: 53546, Stop: 53842, Start Num: 39

Candidate Starts for Rumpelstiltskin_78:

(Start: 39 @53546 has 37 MA's), (Start: 68 @53606 has 6 MA's), (79, 53651), (82, 53663), (88, 53699), (97, 53753), (98, 53756),

Gene: SG4_56 Start: 39440, Stop: 39724, Start Num: 28

Candidate Starts for SG4_56:

(Start: 28 @39440 has 107 MA's), (38, 39464), (46, 39479), (65, 39524), (Start: 68 @39536 has 6 MA's), (85, 39614), (88, 39626), (92, 39650), (95, 39662), (110, 39716),

Gene: Saints25_92 Start: 56224, Stop: 56484, Start Num: 48

Candidate Starts for Saints25_92:

(Start: 48 @56224 has 127 MA's), (58, 56245), (76, 56320), (89, 56389), (102, 56455),

Gene: Samty_78 Start: 53804, Stop: 54058, Start Num: 47

Candidate Starts for Samty_78:

(Start: 39 @53789 has 37 MA's), (Start: 47 @53804 has 12 MA's), (88, 53939), (96, 53981), (102, 54017), (111, 54041),

Gene: SamuelLPlaqson_51 Start: 38242, Stop: 38505, Start Num: 34

Candidate Starts for SamuelLPlaqson_51:

(7, 37990), (Start: 34 @38242 has 119 MA's), (62, 38296), (80, 38365), (83, 38383),

Gene: Sassafras_57 Start: 39528, Stop: 39806, Start Num: 28

Candidate Starts for Sassafras_57:

(23, 39501), (Start: 28 @39528 has 107 MA's), (66, 39612), (69, 39621), (83, 39684), (85, 39699), (88, 39711), (92, 39735), (95, 39747), (110, 39798),

Gene: Sassay_88 Start: 54914, Stop: 55174, Start Num: 48

Candidate Starts for Sassay_88:

(Start: 48 @54914 has 127 MA's), (58, 54935), (76, 55010), (89, 55079), (102, 55145),

Gene: Sbash_53 Start: 39707, Stop: 40006, Start Num: 27

Candidate Starts for Sbash_53:

(Start: 27 @39707 has 12 MA's), (32, 39725), (52, 39761), (Start: 59 @39776 has 1 MA's), (83, 39872), (93, 39923), (100, 39959), (111, 39998),

Gene: Scarlett_55 Start: 38559, Stop: 38834, Start Num: 34

Candidate Starts for Scarlett_55:

(Start: 34 @38559 has 119 MA's), (Start: 37 @38565 has 2 MA's), (62, 38607), (Start: 68 @38631 has 6 MA's), (90, 38739), (113, 38823),

Gene: Scottish_57 Start: 39568, Stop: 39852, Start Num: 28

Candidate Starts for Scottish_57:

(23, 39541), (Start: 28 @39568 has 107 MA's), (38, 39592), (46, 39607), (65, 39652), (Start: 68 @39664 has 6 MA's), (85, 39742), (88, 39754), (92, 39778), (95, 39790), (110, 39844),

Gene: Seabastian_64 Start: 42541, Stop: 42819, Start Num: 28

Candidate Starts for Seabastian_64:

(23, 42514), (Start: 28 @42541 has 107 MA's), (66, 42625), (69, 42634), (83, 42697), (85, 42712), (88, 42724), (92, 42748), (95, 42760), (110, 42811),

Gene: Sejanus_58 Start: 47696, Stop: 47995, Start Num: 27

Candidate Starts for Sejanus_58:

(Start: 27 @47696 has 12 MA's), (32, 47714), (52, 47750), (Start: 59 @47765 has 1 MA's), (83, 47861), (93, 47912), (100, 47948), (108, 47981), (111, 47987),

Gene: SgtBeansprout_46 Start: 37040, Stop: 37309, Start Num: 34

Candidate Starts for SgtBeansprout_46:

(Start: 34 @37040 has 119 MA's), (72, 37136), (86, 37196), (87, 37202), (88, 37205), (93, 37232), (95, 37244), (108, 37298),

Gene: Shadow1_56 Start: 38290, Stop: 38541, Start Num: 34

Candidate Starts for Shadow1_56:

(Start: 34 @38290 has 119 MA's), (Start: 37 @38296 has 2 MA's), (83, 38428),

Gene: ShamWow_93 Start: 57094, Stop: 57354, Start Num: 48

Candidate Starts for ShamWow_93:

(Start: 48 @57094 has 127 MA's), (58, 57115), (76, 57190), (89, 57259), (102, 57325),

Gene: Shaobing_53 Start: 38322, Stop: 38585, Start Num: 34

Candidate Starts for Shaobing_53:

(1, 37842), (3, 37998), (7, 38067), (Start: 34 @38322 has 119 MA's), (73, 38424), (80, 38442), (83, 38460), (93, 38514), (100, 38550), (108, 38574),

Gene: ShedlockHolmes_54 Start: 37976, Stop: 38245, Start Num: 31

Candidate Starts for ShedlockHolmes_54:

(7, 37736), (Start: 31 @37976 has 7 MA's), (45, 38000), (83, 38120), (93, 38174),

Gene: Sheng711_80 Start: 52619, Stop: 52909, Start Num: 40

Candidate Starts for Sheng711_80:

(Start: 40 @52619 has 4 MA's), (75, 52703), (82, 52730), (88, 52766), (90, 52784), (94, 52796), (98, 52823),

Gene: ShereKhan_91 Start: 57206, Stop: 57466, Start Num: 48

Candidate Starts for ShereKhan_91:

(Start: 48 @57206 has 127 MA's), (58, 57227), (76, 57302), (89, 57371), (102, 57437),

Gene: ShiLan_58 Start: 39969, Stop: 40253, Start Num: 28

Candidate Starts for ShiLan_58:

(23, 39942), (Start: 28 @39969 has 107 MA's), (38, 39993), (46, 40008), (65, 40053), (Start: 68 @40065 has 6 MA's), (85, 40143), (88, 40155), (92, 40179), (95, 40191), (110, 40245),

Gene: ShiaSurprise_51 Start: 37668, Stop: 37931, Start Num: 34

Candidate Starts for ShiaSurprise_51:

(Start: 34 @37668 has 119 MA's), (83, 37809),

Gene: Shweta_42 Start: 30626, Stop: 30925, Start Num: 27

Candidate Starts for Shweta_42:

(Start: 27 @30626 has 12 MA's), (32, 30644), (52, 30680), (Start: 59 @30695 has 1 MA's), (83, 30791), (93, 30842), (100, 30878), (108, 30911),

Gene: SiSi_57 Start: 39342, Stop: 39626, Start Num: 28

Candidate Starts for SiSi_57:

(23, 39315), (Start: 28 @39342 has 107 MA's), (38, 39366), (46, 39381), (65, 39426), (Start: 68 @39438 has 6 MA's), (85, 39516), (88, 39528), (92, 39552), (95, 39564), (110, 39618),

Gene: Silverleaf_78 Start: 51891, Stop: 52181, Start Num: 47

Candidate Starts for Silverleaf_78:

(Start: 39 @51876 has 37 MA's), (Start: 47 @51891 has 12 MA's), (Start: 68 @51951 has 6 MA's), (83, 52014), (88, 52041), (118, 52164), (119, 52167),

Gene: Simpliphy_92 Start: 56214, Stop: 56474, Start Num: 48

Candidate Starts for Simpliphy_92:

(Start: 48 @56214 has 127 MA's), (58, 56235), (76, 56310), (89, 56379), (102, 56445),

Gene: SimranZ1_59 Start: 40122, Stop: 40400, Start Num: 28

Candidate Starts for SimranZ1_59:

(23, 40095), (Start: 28 @40122 has 107 MA's), (66, 40206), (69, 40215), (83, 40278), (85, 40293), (88, 40305), (92, 40329), (95, 40341), (110, 40392),

Gene: SirDuracell_93 Start: 55587, Stop: 55847, Start Num: 48

Candidate Starts for SirDuracell_93:

(Start: 48 @55587 has 127 MA's), (58, 55608), (76, 55683), (89, 55752), (102, 55818),

Gene: SirPhilip_53 Start: 38679, Stop: 38936, Start Num: 34

Candidate Starts for SirPhilip_53:

(Start: 34 @38679 has 119 MA's), (80, 38799), (82, 38808), (83, 38817), (95, 38880), (100, 38904),

Gene: SkinnyPete_42 Start: 29948, Stop: 30178, Start Num: 59

Candidate Starts for SkinnyPete_42:

(Start: 27 @29879 has 12 MA's), (32, 29897), (52, 29933), (Start: 59 @29948 has 1 MA's), (83, 30044), (93, 30095), (100, 30131), (108, 30164), (111, 30170),

Gene: Slim_60 Start: 40729, Stop: 41013, Start Num: 28

Candidate Starts for Slim_60:

(23, 40702), (Start: 28 @40729 has 107 MA's), (38, 40753), (46, 40768), (65, 40813), (Start: 68 @40825 has 6 MA's), (85, 40903), (88, 40915), (92, 40939), (95, 40951), (110, 41005),

Gene: Slimphazie_50 Start: 37354, Stop: 37617, Start Num: 34

Candidate Starts for Slimphazie_50:

(Start: 34 @37354 has 119 MA's), (83, 37495),

Gene: Snenia_78 Start: 53795, Stop: 54064, Start Num: 39

Candidate Starts for Snenia_78:

(Start: 39 @53795 has 37 MA's), (Start: 47 @53810 has 12 MA's), (88, 53945), (96, 53987), (102, 54023), (111, 54047),

Gene: SophKB_90 Start: 55892, Stop: 56152, Start Num: 48

Candidate Starts for SophKB_90:

(Start: 48 @55892 has 127 MA's), (58, 55913), (76, 55988), (89, 56057), (102, 56123),

Gene: Sotrice96_94 Start: 56480, Stop: 56740, Start Num: 48

Candidate Starts for Sotrice96_94:

(Start: 48 @56480 has 127 MA's), (58, 56501), (76, 56576), (89, 56645), (102, 56711),

Gene: Soul22_65 Start: 41527, Stop: 41811, Start Num: 28

Candidate Starts for Soul22_65:

(23, 41500), (Start: 28 @41527 has 107 MA's), (38, 41551), (46, 41566), (65, 41611), (Start: 68 @41623 has 6 MA's), (85, 41701), (88, 41713), (92, 41737), (95, 41749), (110, 41803),

Gene: Spock_50 Start: 37472, Stop: 37735, Start Num: 34

Candidate Starts for Spock_50:

(Start: 34 @37472 has 119 MA's), (83, 37613),

Gene: Spoonbill_56 Start: 38516, Stop: 38794, Start Num: 28

Candidate Starts for Spoonbill_56:

(23, 38489), (Start: 28 @38516 has 107 MA's), (66, 38600), (69, 38609), (83, 38672), (85, 38687), (88, 38699), (92, 38723), (95, 38735), (110, 38786),

Gene: Squiddly_71 Start: 45719, Stop: 45979, Start Num: 27

Candidate Starts for Squiddly_71:

(20, 45680), (Start: 27 @45719 has 12 MA's), (60, 45782), (65, 45794), (80, 45851), (88, 45896), (110, 45971),

Gene: StagePhright_7 Start: 5180, Stop: 4923, Start Num: 55

Candidate Starts for StagePhright_7:

(Start: 27 @5240 has 12 MA's), (Start: 55 @5180 has 10 MA's), (83, 5066), (97, 4991), (109, 4946),

Gene: Stank_95 Start: 56873, Stop: 57133, Start Num: 48

Candidate Starts for Stank_95:

(Start: 48 @56873 has 127 MA's), (58, 56894), (76, 56969), (89, 57038), (102, 57104),

Gene: Stap_57 Start: 39317, Stop: 39595, Start Num: 28

Candidate Starts for Stap_57:

(23, 39290), (Start: 28 @39317 has 107 MA's), (66, 39401), (69, 39410), (83, 39473), (85, 39488), (88, 39500), (92, 39524), (95, 39536), (110, 39587),

Gene: Stark_95 Start: 56964, Stop: 57224, Start Num: 48

Candidate Starts for Stark_95:

(Start: 48 @56964 has 127 MA's), (58, 56985), (76, 57060), (89, 57129), (102, 57195),

Gene: StellaBean_91 Start: 56418, Stop: 56678, Start Num: 48

Candidate Starts for StellaBean_91:

(Start: 48 @56418 has 127 MA's), (58, 56439), (76, 56514), (89, 56583), (102, 56649),

Gene: Stellammi_103 Start: 48442, Stop: 48678, Start Num: 36

Candidate Starts for Stellammi_103:

(Start: 36 @48442 has 4 MA's), (80, 48550), (96, 48631), (97, 48643),

Gene: Stinson_51 Start: 37846, Stop: 38109, Start Num: 34

Candidate Starts for Stinson_51:

(7, 37594), (Start: 34 @37846 has 119 MA's), (62, 37900), (83, 37987),

Gene: StolenFromERC_96 Start: 56798, Stop: 57058, Start Num: 48

Candidate Starts for StolenFromERC_96:

(Start: 48 @56798 has 127 MA's), (58, 56819), (76, 56894), (89, 56963), (102, 57029),

Gene: StormChicken_95 Start: 57577, Stop: 57837, Start Num: 48

Candidate Starts for StormChicken_95:

(17, 57439), (Start: 48 @57577 has 127 MA's), (58, 57598), (89, 57742), (102, 57808),

Gene: Strobilo_54 Start: 39537, Stop: 39767, Start Num: 36

Candidate Starts for Strobilo_54:

(Start: 35 @39534 has 22 MA's), (Start: 36 @39537 has 4 MA's), (44, 39543), (Start: 48 @39549 has 127 MA's), (80, 39639), (81, 39645), (93, 39708),

Gene: Stuck_58 Start: 41100, Stop: 41399, Start Num: 27

Candidate Starts for Stuck_58:

(Start: 27 @41100 has 12 MA's), (32, 41118), (52, 41154), (Start: 59 @41169 has 1 MA's), (83, 41265), (93, 41316), (100, 41352), (108, 41385),

Gene: Sulley_50 Start: 37598, Stop: 37861, Start Num: 34

Candidate Starts for Sulley_50:

(Start: 34 @37598 has 119 MA's), (83, 37739),

Gene: Sunflower1121_57 Start: 38391, Stop: 38642, Start Num: 34

Candidate Starts for Sunflower1121_57:

(Start: 34 @38391 has 119 MA's), (Start: 37 @38397 has 2 MA's), (83, 38529),

Gene: Syra333_56 Start: 38055, Stop: 38306, Start Num: 34

Candidate Starts for Syra333_56:

(Start: 34 @38055 has 119 MA's), (Start: 37 @38061 has 2 MA's), (81, 38181), (83, 38193),

Gene: TBond007_51 Start: 37450, Stop: 37719, Start Num: 31

Candidate Starts for TBond007_51:

(7, 37210), (Start: 31 @37450 has 7 MA's), (45, 37474), (83, 37594), (93, 37648),

Gene: TBrady12_96 Start: 56634, Stop: 56894, Start Num: 48

Candidate Starts for TBrady12_96:

(Start: 48 @56634 has 127 MA's), (58, 56655), (76, 56730), (89, 56799), (102, 56865),

Gene: TChen_60 Start: 41367, Stop: 41636, Start Num: 33

Candidate Starts for TChen_60:

(21, 41322), (Start: 28 @41358 has 107 MA's), (Start: 33 @41367 has 1 MA's), (62, 41424), (66, 41442), (69, 41451), (83, 41514), (85, 41529), (88, 41541), (92, 41565), (95, 41577), (110, 41628),

Gene: TClif_54 Start: 38425, Stop: 38685, Start Num: 35

Candidate Starts for TClif_54:

(Start: 35 @38425 has 22 MA's), (62, 38467), (88, 38581), (90, 38599), (108, 38674),

Gene: TM4_49 Start: 33917, Stop: 34147, Start Num: 36

Candidate Starts for TM4_49:

(Start: 35 @33914 has 22 MA's), (Start: 36 @33917 has 4 MA's), (44, 33923), (Start: 48 @33929 has 127 MA's), (80, 34019), (81, 34025), (93, 34088),

Gene: Tachez_50 Start: 37316, Stop: 37579, Start Num: 34

Candidate Starts for Tachez_50:

(Start: 34 @37316 has 119 MA's), (83, 37457),

Gene: TaiwanKao_52 Start: 37612, Stop: 37875, Start Num: 34

Candidate Starts for TaiwanKao_52:

(Start: 34 @37612 has 119 MA's), (83, 37753),

Gene: Taj_63 Start: 41748, Stop: 41978, Start Num: 54

Candidate Starts for Taj_63:

(Start: 54 @41748 has 1 MA's), (60, 41757), (85, 41871), (88, 41883), (92, 41907), (95, 41919), (110, 41970),

Gene: Tarkin_92 Start: 56882, Stop: 57142, Start Num: 48

Candidate Starts for Tarkin_92:

(Start: 48 @56882 has 127 MA's), (58, 56903), (76, 56978), (89, 57047), (102, 57113),

Gene: TeamEdward_93 Start: 56783, Stop: 57043, Start Num: 48

Candidate Starts for TeamEdward_93:

(17, 56645), (Start: 48 @56783 has 127 MA's), (58, 56804), (89, 56948), (102, 57014),

Gene: TeardropMSU_89 Start: 55882, Stop: 56142, Start Num: 48

Candidate Starts for TeardropMSU_89:

(Start: 48 @55882 has 127 MA's), (58, 55903), (76, 55978), (89, 56047), (102, 56113),

Gene: Teaspoon_94 Start: 56734, Stop: 56994, Start Num: 48

Candidate Starts for Teaspoon_94:

(Start: 48 @56734 has 127 MA's), (58, 56755), (76, 56830), (89, 56899), (102, 56965),

Gene: Teejan_48 Start: 39653, Stop: 39922, Start Num: 34

Candidate Starts for Teejan_48:

(Start: 34 @39653 has 119 MA's), (72, 39749), (86, 39809), (87, 39815), (88, 39818), (93, 39845), (95, 39857), (108, 39911),

Gene: Terminus_96 Start: 57669, Stop: 57929, Start Num: 48

Candidate Starts for Terminus_96:

(Start: 48 @57669 has 127 MA's), (58, 57690), (76, 57765), (89, 57834), (102, 57900),

Gene: Thimble_95 Start: 56384, Stop: 56644, Start Num: 48

Candidate Starts for Thimble_95:

(Start: 48 @56384 has 127 MA's), (58, 56405), (76, 56480), (89, 56549), (102, 56615),

Gene: ThirteenKH_7 Start: 5168, Stop: 4911, Start Num: 55

Candidate Starts for ThirteenKH_7:

(Start: 27 @5228 has 12 MA's), (Start: 55 @5168 has 10 MA's), (74, 5096), (83, 5054), (97, 4979), (109, 4934),

Gene: Thresher_96 Start: 57744, Stop: 58004, Start Num: 48

Candidate Starts for Thresher_96:

(Start: 48 @57744 has 127 MA's), (58, 57765), (76, 57840), (89, 57909), (102, 57975),

Gene: Tierra_54 Start: 37943, Stop: 38200, Start Num: 34

Candidate Starts for Tierra_54:

(Start: 34 @37943 has 119 MA's), (46, 37964), (Start: 68 @38018 has 6 MA's), (83, 38081), (84, 38090), (100, 38168),

Gene: Tigress9_57 Start: 38145, Stop: 38396, Start Num: 34

Candidate Starts for Tigress9_57:

(Start: 34 @38145 has 119 MA's), (Start: 37 @38151 has 2 MA's), (81, 38271), (83, 38283),

Gene: TingHuaYa_51 Start: 36397, Stop: 36660, Start Num: 34

Candidate Starts for TingHuaYa_51:

(Start: 34 @36397 has 119 MA's), (Start: 41 @36409 has 2 MA's), (80, 36520), (83, 36538),

Gene: TiniBug_51 Start: 38238, Stop: 38501, Start Num: 34

Candidate Starts for TiniBug_51:

(7, 37986), (Start: 34 @38238 has 119 MA's), (62, 38292), (80, 38361), (83, 38379),

Gene: Tiri_51 Start: 37646, Stop: 37909, Start Num: 34

Candidate Starts for Tiri_51:

(Start: 34 @37646 has 119 MA's), (62, 37700), (83, 37787),

Gene: Tomaszewski_88 Start: 56045, Stop: 56305, Start Num: 48

Candidate Starts for Tomaszewski_88:

(Start: 48 @56045 has 127 MA's), (58, 56066), (76, 56141), (89, 56210), (102, 56276),

Gene: Tootsieroll_60 Start: 39265, Stop: 39549, Start Num: 28

Candidate Starts for Tootsieroll_60:

(23, 39238), (Start: 28 @39265 has 107 MA's), (38, 39289), (46, 39304), (65, 39349), (Start: 68 @39361 has 6 MA's), (85, 39439), (88, 39451), (92, 39475), (95, 39487), (110, 39541),

Gene: Topiatin_67 Start: 42597, Stop: 42878, Start Num: 28

Candidate Starts for Topiatin_67:

(22, 42561), (Start: 28 @42597 has 107 MA's), (38, 42621), (65, 42678), (Start: 68 @42690 has 6 MA's), (85, 42768), (88, 42780), (92, 42804), (95, 42816), (110, 42870),

Gene: Topper_50 Start: 37471, Stop: 37734, Start Num: 34

Candidate Starts for Topper_50:

(Start: 34 @37471 has 119 MA's), (83, 37612),

Gene: Toron_67 Start: 42166, Stop: 42447, Start Num: 24

Candidate Starts for Toron_67:

(18, 42130), (24, 42166), (Start: 59 @42241 has 1 MA's), (100, 42427), (110, 42439),

Gene: Torres_49 Start: 39654, Stop: 39923, Start Num: 34

Candidate Starts for Torres_49:

(Start: 34 @39654 has 119 MA's), (72, 39750), (86, 39810), (87, 39816), (88, 39819), (93, 39846), (95, 39858), (108, 39912),

Gene: Totinger_58 Start: 39195, Stop: 39479, Start Num: 28

Candidate Starts for Totinger_58:

(23, 39168), (Start: 28 @39195 has 107 MA's), (38, 39219), (46, 39234), (65, 39279), (Start: 68 @39291 has 6 MA's), (85, 39369), (88, 39381), (92, 39405), (95, 39417), (110, 39471),

Gene: Toto_91 Start: 57094, Stop: 57354, Start Num: 48

Candidate Starts for Toto_91:

(Start: 48 @57094 has 127 MA's), (58, 57115), (76, 57190), (89, 57259), (102, 57325),

Gene: Tourach_80 Start: 54051, Stop: 54332, Start Num: 47

Candidate Starts for Tourach_80:

(Start: 39 @54036 has 37 MA's), (Start: 47 @54051 has 12 MA's), (83, 54162), (88, 54189), (94, 54219), (115, 54306),

Gene: Traaww1_89 Start: 55902, Stop: 56162, Start Num: 48

Candidate Starts for Traaww1_89:

(Start: 48 @55902 has 127 MA's), (58, 55923), (76, 55998), (89, 56067), (102, 56133),

Gene: TreyKay_51 Start: 37556, Stop: 37819, Start Num: 34
Candidate Starts for TreyKay_51:
(Start: 34 @37556 has 119 MA's), (62, 37610), (83, 37697),

Gene: TriFive_80 Start: 53794, Stop: 54063, Start Num: 39
Candidate Starts for TriFive_80:
(Start: 39 @53794 has 37 MA's), (Start: 47 @53809 has 12 MA's), (88, 53944), (96, 53986), (102, 54022), (111, 54046),

Gene: Trice_46 Start: 37041, Stop: 37310, Start Num: 34
Candidate Starts for Trice_46:
(Start: 34 @37041 has 119 MA's), (72, 37137), (86, 37197), (87, 37203), (88, 37206), (93, 37233), (95, 37245), (108, 37299),

Gene: TrippleS_7 Start: 5168, Stop: 4911, Start Num: 55
Candidate Starts for TrippleS_7:
(Start: 27 @5228 has 12 MA's), (Start: 55 @5168 has 10 MA's), (74, 5096), (83, 5054), (97, 4979), (109, 4934),

Gene: TruffulaTree_50 Start: 37350, Stop: 37613, Start Num: 34
Candidate Starts for TruffulaTree_50:
(Start: 34 @37350 has 119 MA's), (83, 37491),

Gene: Tuco_94 Start: 57641, Stop: 57901, Start Num: 48
Candidate Starts for Tuco_94:
(Start: 48 @57641 has 127 MA's), (58, 57662), (76, 57737), (89, 57806), (102, 57872),

Gene: Twitch_50 Start: 37473, Stop: 37736, Start Num: 34
Candidate Starts for Twitch_50:
(Start: 34 @37473 has 119 MA's), (83, 37614),

Gene: Tyson_79 Start: 52361, Stop: 52651, Start Num: 47
Candidate Starts for Tyson_79:
(Start: 39 @52346 has 37 MA's), (Start: 47 @52361 has 12 MA's), (Start: 68 @52421 has 6 MA's), (83, 52484), (88, 52511), (118, 52634), (119, 52637),

Gene: UPIE_77 Start: 52017, Stop: 52247, Start Num: 68
Candidate Starts for UPIE_77:
(Start: 39 @51942 has 37 MA's), (Start: 47 @51957 has 12 MA's), (Start: 68 @52017 has 6 MA's), (83, 52080), (88, 52107), (118, 52230), (119, 52233),

Gene: Ukulele_88 Start: 56027, Stop: 56287, Start Num: 48
Candidate Starts for Ukulele_88:
(Start: 48 @56027 has 127 MA's), (58, 56048), (76, 56123), (89, 56192), (102, 56258),

Gene: UncleRicky_58 Start: 40176, Stop: 40460, Start Num: 28
Candidate Starts for UncleRicky_58:
(23, 40149), (Start: 28 @40176 has 107 MA's), (38, 40200), (46, 40215), (65, 40260), (Start: 68 @40272 has 6 MA's), (85, 40350), (88, 40362), (92, 40386), (95, 40398), (110, 40452),

Gene: Unicorn_53 Start: 37175, Stop: 37432, Start Num: 34
Candidate Starts for Unicorn_53:

(Start: 34 @37175 has 119 MA's), (46, 37196), (Start: 68 @37250 has 6 MA's), (83, 37313), (84, 37322), (100, 37400),

Gene: Urkel_51 Start: 38242, Stop: 38505, Start Num: 34

Candidate Starts for Urkel_51:

(7, 37990), (Start: 34 @38242 has 119 MA's), (62, 38296), (80, 38365), (83, 38383),

Gene: VWB_44 Start: 35402, Stop: 35647, Start Num: 36

Candidate Starts for VWB_44:

(13, 35270), (14, 35279), (15, 35282), (25, 35369), (Start: 35 @35399 has 22 MA's), (Start: 36 @35402 has 4 MA's), (83, 35531), (89, 35564), (93, 35582),

Gene: Validus_55 Start: 38351, Stop: 38623, Start Num: 34

Candidate Starts for Validus_55:

(Start: 34 @38351 has 119 MA's), (Start: 41 @38363 has 2 MA's), (73, 38453), (80, 38471), (83, 38489), (88, 38516), (103, 38594),

Gene: Veliki_51 Start: 37390, Stop: 37653, Start Num: 34

Candidate Starts for Veliki_51:

(Start: 34 @37390 has 119 MA's), (83, 37531),

Gene: Veteran_56 Start: 38956, Stop: 39237, Start Num: 28

Candidate Starts for Veteran_56:

(23, 38929), (Start: 28 @38956 has 107 MA's), (66, 39040), (69, 39049), (85, 39127), (88, 39139), (92, 39163), (95, 39175), (110, 39229),

Gene: Volt_97 Start: 48511, Stop: 48816, Start Num: 49

Candidate Starts for Volt_97:

(Start: 49 @48511 has 6 MA's), (62, 48544), (101, 48745), (109, 48769),

Gene: WST1_43 Start: 28947, Stop: 29189, Start Num: 56

Candidate Starts for WST1_43:

(50, 28932), (56, 28947), (71, 29007), (76, 29025),

Gene: Wamburgexpress_78 Start: 52456, Stop: 52686, Start Num: 68

Candidate Starts for Wamburgexpress_78:

(Start: 39 @52381 has 37 MA's), (Start: 47 @52396 has 12 MA's), (Start: 68 @52456 has 6 MA's), (83, 52519), (88, 52546), (118, 52669), (119, 52672),

Gene: Whirlwind_80 Start: 53994, Stop: 54305, Start Num: 39

Candidate Starts for Whirlwind_80:

(Start: 39 @53994 has 37 MA's), (Start: 47 @54009 has 12 MA's), (82, 54120), (88, 54156), (117, 54285),

Gene: Wiggin_95 Start: 56303, Stop: 56563, Start Num: 48

Candidate Starts for Wiggin_95:

(Start: 48 @56303 has 127 MA's), (58, 56324), (76, 56399), (89, 56468), (102, 56534),

Gene: Wilder_82 Start: 53924, Stop: 54220, Start Num: 39

Candidate Starts for Wilder_82:

(Start: 39 @53924 has 37 MA's), (Start: 68 @53984 has 6 MA's), (79, 54029), (82, 54041), (88, 54077), (97, 54131), (98, 54134),

Gene: Willez_88 Start: 54914, Stop: 55174, Start Num: 48
Candidate Starts for Willez_88:
(Start: 48 @54914 has 127 MA's), (58, 54935), (76, 55010), (89, 55079), (102, 55145),

Gene: Winky_81 Start: 53918, Stop: 54214, Start Num: 39
Candidate Starts for Winky_81:
(Start: 39 @53918 has 37 MA's), (Start: 68 @53978 has 6 MA's), (79, 54023), (82, 54035), (88, 54071),
(97, 54125), (98, 54128),

Gene: Wyatt2_79 Start: 52344, Stop: 52649, Start Num: 39
Candidate Starts for Wyatt2_79:
(Start: 39 @52344 has 37 MA's), (Start: 47 @52359 has 12 MA's), (Start: 68 @52419 has 6 MA's), (83,
52482), (88, 52509), (118, 52632), (119, 52635),

Gene: Xandras_92 Start: 56126, Stop: 56386, Start Num: 48
Candidate Starts for Xandras_92:
(Start: 48 @56126 has 127 MA's), (58, 56147), (76, 56222), (89, 56291), (102, 56357),

Gene: Ximenita_57 Start: 38244, Stop: 38495, Start Num: 34
Candidate Starts for Ximenita_57:
(Start: 34 @38244 has 119 MA's), (Start: 37 @38250 has 2 MA's), (83, 38382),

Gene: Yafa_7 Start: 5183, Stop: 4926, Start Num: 55
Candidate Starts for Yafa_7:
(Start: 27 @5243 has 12 MA's), (Start: 55 @5183 has 10 MA's), (74, 5111), (83, 5069), (97, 4994),
(109, 4949),

Gene: YassJohnny_90 Start: 55767, Stop: 56027, Start Num: 48
Candidate Starts for YassJohnny_90:
(Start: 48 @55767 has 127 MA's), (58, 55788), (76, 55863), (89, 55932), (102, 55998),

Gene: Youngblood_96 Start: 57596, Stop: 57856, Start Num: 48
Candidate Starts for Youngblood_96:
(Start: 48 @57596 has 127 MA's), (58, 57617), (76, 57692), (89, 57761), (102, 57827),

Gene: YoureAdopted_49 Start: 37555, Stop: 37818, Start Num: 34
Candidate Starts for YoureAdopted_49:
(Start: 34 @37555 has 119 MA's), (83, 37696),

Gene: Yuna_57 Start: 39151, Stop: 39429, Start Num: 34
Candidate Starts for Yuna_57:
(11, 39004), (Start: 34 @39151 has 119 MA's), (83, 39280), (90, 39325), (93, 39334),

Gene: Yunkel11_53 Start: 37143, Stop: 37406, Start Num: 34
Candidate Starts for Yunkel11_53:
(Start: 34 @37143 has 119 MA's), (Start: 41 @37155 has 2 MA's), (80, 37266), (83, 37284),

Gene: Zabiza_45 Start: 33661, Stop: 33924, Start Num: 34
Candidate Starts for Zabiza_45:
(Start: 34 @33661 has 119 MA's), (83, 33802),

Gene: Zakai_82 Start: 54244, Stop: 54540, Start Num: 39
Candidate Starts for Zakai_82:

(Start: 39 @54244 has 37 MA's), (Start: 68 @54304 has 6 MA's), (79, 54349), (82, 54361), (88, 54397), (97, 54451), (98, 54454),

Gene: Zapner_72 Start: 41849, Stop: 42133, Start Num: 28

Candidate Starts for Zapner_72:

(23, 41822), (Start: 28 @41849 has 107 MA's), (38, 41873), (46, 41888), (65, 41933), (Start: 68 @41945 has 6 MA's), (85, 42023), (88, 42035), (92, 42059), (95, 42071), (110, 42125),

Gene: Zaria_79 Start: 51796, Stop: 52101, Start Num: 39

Candidate Starts for Zaria_79:

(Start: 39 @51796 has 37 MA's), (Start: 47 @51811 has 12 MA's), (Start: 68 @51871 has 6 MA's), (83, 51934), (88, 51961), (118, 52084), (119, 52087),

Gene: Zavala_52 Start: 37632, Stop: 37895, Start Num: 34

Candidate Starts for Zavala_52:

(Start: 34 @37632 has 119 MA's), (83, 37773),

Gene: ZenTime222_40 Start: 31446, Stop: 31703, Start Num: 27

Candidate Starts for ZenTime222_40:

(4, 31170), (6, 31191), (Start: 27 @31446 has 12 MA's), (Start: 68 @31530 has 6 MA's), (88, 31620),

Gene: Zerg_59 Start: 39720, Stop: 40004, Start Num: 28

Candidate Starts for Zerg_59:

(23, 39693), (Start: 28 @39720 has 107 MA's), (38, 39744), (46, 39759), (65, 39804), (Start: 68 @39816 has 6 MA's), (85, 39894), (88, 39906), (92, 39930), (95, 39942), (110, 39996),

Gene: Ziko_96 Start: 48332, Stop: 48637, Start Num: 49

Candidate Starts for Ziko_96:

(Start: 49 @48332 has 6 MA's), (62, 48365), (101, 48566), (109, 48590),

Gene: Zizzle_63 Start: 41563, Stop: 41847, Start Num: 28

Candidate Starts for Zizzle_63:

(23, 41536), (Start: 28 @41563 has 107 MA's), (38, 41587), (46, 41602), (65, 41647), (Start: 68 @41659 has 6 MA's), (85, 41737), (88, 41749), (92, 41773), (95, 41785), (110, 41839),

Gene: ZoeJ_53 Start: 39008, Stop: 39238, Start Num: 36

Candidate Starts for ZoeJ_53:

(Start: 35 @39005 has 22 MA's), (Start: 36 @39008 has 4 MA's), (44, 39014), (Start: 48 @39020 has 127 MA's), (80, 39110), (81, 39116), (93, 39179),

Gene: xkcd_96 Start: 57780, Stop: 58040, Start Num: 48

Candidate Starts for xkcd_96:

(Start: 48 @57780 has 127 MA's), (58, 57801), (76, 57876), (89, 57945), (102, 58011),