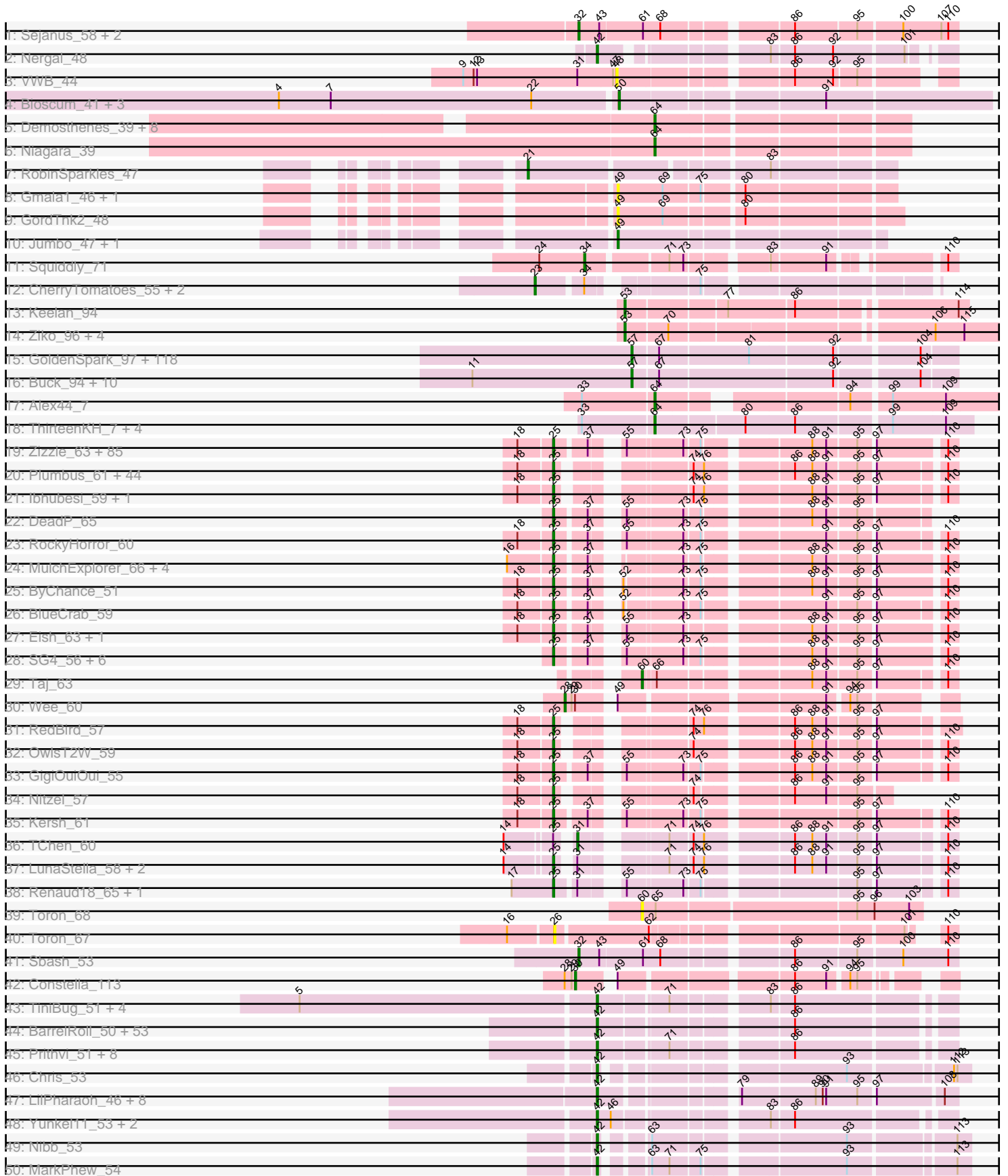
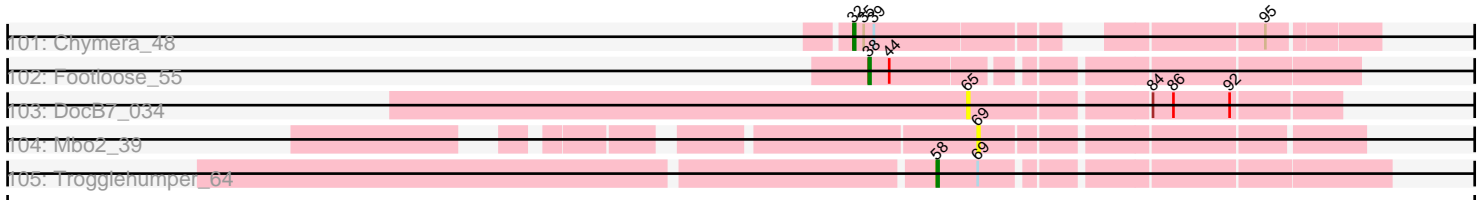


Pham 193634



Pham 193634



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 193634 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193634 has 539 members, 32 are drafts.

Phages represented in each track:

- Track 1 : Sejanus_58, Charlie_44, Journey_43
- Track 2 : Nergal_48
- Track 3 : VWB_44
- Track 4 : Bioscum_41, PapayaSalad_40, Ididsumtinwong_41, Austintatious_37
- Track 5 : Demosthenes_39, ASerpRocky_40, Kvothe_39, Tredge_40, Benczkowski14_39, Teech_40, Teatealatte_40, Katyusha_39, Hollow_40
- Track 6 : Niagara_39
- Track 7 : RobinSparkles_47
- Track 8 : Gmala1_46, GordDuk1_47
- Track 9 : GordTnk2_48
- Track 10 : Jumbo_47, GMA3_48
- Track 11 : Squiddly_71
- Track 12 : CherryTomatoes_55, SCentae_53, Pupper_53
- Track 13 : Keelan_94
- Track 14 : Ziko_96, Guey18_98, Volt_97, Ronaldo_96, Fryberger_93
- Track 15 : GoldenSpark_97, HanKaySha_94, Lilpickle_92, BigBubba_93, Terminus_96, Holt_98, Highbury_92, CrystalP_92, Cjw1_94, YassJohnny_90, ShamWow_93, Cactus_96, ChosenOne_93, TeardropMSU_89, Inca_90, Youngblood_96, Policronamos_97, Henry_91, Simpliphy_92, GooberAzure_96, Xandras_92, BilboSwaggins_92, Contagion_89, MadamMonkfish_93, Murica_96, Paperbeatsrock_92, NoSleep_94, Nala_95, JeTaime_94, Flypotenuse_89, OrionPax_92, Lilizi_94, Porky_92, Icee_94, Gemini_98, Kimchi_97, Tarkin_92, Gage_95, ShereKhan_91, Willez_88, Hopey_94, FireRed_97, Dusk_90, Quallification_94, Palpatine_95, Stark_95, NelitzaMV_91, Eureka_92, Kanye_90, Hoonter_96, SirDuracell_93, BaboJay_93, Sotrice96_94, Murphy_93, Lilac_96, Goldilocks_96, StolenFromERC_96, Tuco_94, Miniwave_88, Amao_93, MISSy_94, Phrux_91, Glexan_92, Bruin_90, Thresher_96, Bench_96, Command613_95, Rakim_94, Mosby_89, Marshmallow_91, Misfit_94, 244_94, AmericanBeauty_97, Myrale_93, Manda_95, Teaspoon_94, Nimrod_94, Pumpkin_97, SophKB_90, Tomaszewski_88, ABCat_90, Sassay_88, Phaja_91, Goku_92, Argent26_97, IHOP_91, BadStone_90, Saints25_92, Asriel_91, Elph10_94, DrDrey_93, TBrady12_96, PhatBacter_97, Toto_91, HufflyPuff_95, xkcd_96, MPhalcon_94, Harella_93, Dumbo_93, Adnama_97, Traaww1_89, Pharsalus_90, BugsBunny_93, Filch_95, StellaBean_91, Wiggin_95, Ukulele_88, Czyszczon1_94, Maxxinista_96, Mindy_92, Easy2Say_94, Kostya_93, Moldemort_96, Stank_95, Emmina_93, RiverMonster_94, Elite2014_92, Barbarian_92, Phaux_96

- Track 16 : Buck_94, Balomoji_93, Rimmer_91, Bask21_93, DoctorDiddles_92, Gator_91, Cookies_90, Daikon_94, Petra64142_98, Pat3_90, ChotaBhai_93
- Track 17 : Alex44_7
- Track 18 : ThirteenKH_7, Atraxi_7, Yafa_7, TrippleS_7, Morrill_7
- Track 19 : Zizzle_63, Phatniss_57, Llij_55, Rita_60, Scottish_57, Zerg_59, Soul22_65, EleanorGeorge_60, Rockne_60, DaddyRickover_58, Mahavrat_57, Koella_53, Mozy_68, Zapner_72, Maravista_60, Radiance_58, Totinger_58, Tootsieroll_60, James_63, Pippy_57, UncleRicky_58, VRedHorse_59, LastJedi_53, Crumble_54, Fancypants_61, Marker_61, Drago_57, Blexus_57, Strokeseat_55, Karhdo_56, Sabbb_63, Jabbawokkie_73, GUmble_57, Whouxphf_56, Dante_60, DirtMcgirt_58, Byougenkin_57, Chuckly_62, Clifton_54, PMC_56, Hlubikazi_55, Blarby_71, Boomer_64, Mattes_63, Firehouse51_60, Hades_60, Mutaforma13_63, Spikelee_66, ShowerHandel_62, Burwell21_57, SiSi_57, SwagPiggett_64, Pollywog_60, NormanBulbieJr_59, IrishSherpFalk_60, Priscilla_59, Saal_61, BuzzLyseyear_65, Alexphander_63, Doug_61, OlympiaSaint_61, ShroomBoi_61, Madiba_57, Mandlovu_55, Yorick_58, WillSterrel_60, Jarcob_59, Latretium_61, Mova_60, Eradicator_52, Martik_59, OldBen_56, KristaRAM_62, Spartacus_61, Gandolph_62, BobaPhett_63, Brocalys_54, ShiLan_58, MadMen_57, Cabrinians_60, Gorge_63, FreddyB_60, LittleShirley_58, Rialto_65, Lorde_59, Lizziana_65
- Track 20 : Plumbus_61, Daenerys_53, AlpineSix_64, Job42_61, Pacc40_53, Nivrat_55, LunaBlu_61, Dorothy_57, KingMidas_58, Avani_67, Sebastian_64, Jinglebell_64, Ochi17_62, Leozinho_58, SimranZ1_59, DosHalletts_61, Stap_57, Modragons_63, Inventum_54, Phasih_57, Leperchaun_51, Girr_57, JoeyJr_54, PHappiness_54, Ruby_55, Cornucopia_61, Doomphist_59, Empress_57, Fastidio_59, Poenanya_59, Estave1_62, LilMoolah_57, Sassafras_57, OfUltron_64, Oksu_63, Spoonbill_56, Llama_64, DRBy19_62, RitaG_54, DillTech15_56, MisterCuddles_57, Galactic_58, Philus_62, Polka14_57, BodEinwohner17_59
- Track 21 : lbhubesi_59, Veteran_56
- Track 22 : DeadP_65
- Track 23 : RockyHorror_60
- Track 24 : MulchExplorer_66, QuickMath_61, Starcevich_59, Kimberlium_62, Cornie_55
- Track 25 : ByChance_51
- Track 26 : BlueCrab_59
- Track 27 : Eish_63, DaWorst_60
- Track 28 : SG4_56, Wee_63, Hegedechwinu_59, lbOuu_60, MinionDave_58, Enby_60, CaptainTrips_56
- Track 29 : Taj_63
- Track 30 : Wee_60
- Track 31 : RedBird_57
- Track 32 : OwlsT2W_59
- Track 33 : GigiOuiOui_55
- Track 34 : Nitzel_57
- Track 35 : Kersh_61
- Track 36 : TChen_60
- Track 37 : LunaStella_58, Yoshi_72, ThetaBob_64
- Track 38 : Renaud18_65, Demsculpinboyz_70
- Track 39 : Toron_68
- Track 40 : Toron_67
- Track 41 : Sbash_53
- Track 42 : Constella_113
- Track 43 : TiniBug_51, SamuelLPlaqson_51, DrHayes_51, Bella96_51, Urkel_51

- Track 44 : BarrelRoll_50, AlishaPH_50, BaghaKamala_49, Atiba_51, 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, Spock_50, QuincyRose_49, Durfee_50, Sulley_50, Tachez_50, Jayhawk_51, Rapunzel97_51, CaseJules_52, Topper_50, Dalmuri_50, Asayake_50, Rosmarinus_50, Apocalypse_53, Joy99_50, CheetoDust_49, Blizzard_50, Belladonna_50, Homura_50, YoureAdopted_49, Zabiza_45, Lunahalos_50, TaiwanKao_52, HedwigODU_50, MeaningOfLife_51, Peel_50, Llorens_50, Padfoot_50, Jeckyll_50, Boiiii_50, BGlluviae_50, BEEST_50, Inky_50, Ganymede_51, Piatt_50, ShiaSurprise_51, Jarvi_50, Twitch_50
- Track 45 : Prithvi_51, CrimD_50, LaterM_51, Megsy_52, LindNT_49, TreyKay_51, Deby_50, Tiri_51, Pokerus_49
- Track 46 : Chris_53
- Track 47 : LilPharaoh_46, SgtBeansprout_46, Enkosi_48, Nutello_46, Amelie_46, Nikao_49, Mdavu_47, Torres_48, Binglebops_46
- Track 48 : Yunkel11_53, Efra2_53, TingHuaYa_51
- Track 49 : Nibb_53
- Track 50 : MarkPhew_54
- Track 51 : Mynx_51
- Track 52 : Murucutumbu_51, Illumine_53, Dole_53, Ageofdapage_52, Devera_55, Stinson_51
- Track 53 : Peanam_53, Dartin_53, Shaobing_53, Richo_53, McMater_53, Niklas_53
- Track 54 : Curiosium_52
- Track 55 : KiSi_55, LeMond_55
- Track 56 : Geraldini_53
- Track 57 : Angelica_50
- Track 58 : Oscar_55
- Track 59 : Guanica15_53
- Track 60 : Anaya_52
- Track 61 : Emerson_51, Padpat_52
- Track 62 : Validus_55
- Track 63 : Scarlett_55
- Track 64 : LastHope_53
- Track 65 : Findley_54, DismalStressor_54, DismalFunk_54, Milly_54, Marcoliusprime_54
- Track 66 : ZoeJ_53
- Track 67 : Strobilo_54, TM4_49
- Track 68 : BoostSeason_54
- Track 69 : Mufasa_54
- Track 70 : Hurricane_53
- Track 71 : Pixie_52, Keshu_55, TBond007_51, ShedlockHolmes_54
- Track 72 : Pharb_50
- Track 73 : TribbleTrouble_50
- Track 74 : MacnCheese_55
- Track 75 : Bryler_54, Cain_54, Tierra_54, PhelpsODU_53, Phrank_54, Unicorn_53
- Track 76 : Ekdilam_50
- Track 77 : Syra333_56
- Track 78 : TClif_54
- Track 79 : Fefferhead_51, Ellie_49
- Track 80 : Amohnition_53, DarthP_53, Hammy_53
- Track 81 : Krueger_57
- Track 82 : Yuna_57
- Track 83 : Shadow1_56, Sunflower1121_57, Ximenita_57

- Track 84 : Marshawn_53
- Track 85 : SirPhilip_53
- Track 86 : Amgine_51
- Track 87 : Nicholas_77, Clautastrophe_77, Kingsolomon_77, Snenia_78, Finnry_79, Jobypre_80, MsGreen_79, Jubie_78
- Track 88 : Moostard_77, Bellis_77, Samty_78
- Track 89 : Aegeus_88, Baudelaire_88
- Track 90 : Shweta_42
- Track 91 : SkinnyPete_42
- Track 92 : Daegal_77
- Track 93 : HH92_74, Amymech_75, Webster2_75, OBUpride_74, Giles_68, Hadrien_72, LilHazelNut_75, Ubuntu_75, DeepSoil15_75, Luke_72, Amochick_76, Dewey_68, Hail_68, Gravallia_69, Evanesce_74, Ein37_75, Luna22_68, Kinbote_73
- Track 94 : Gancho_74
- Track 95 : Forge_68, Wishmaker_68
- Track 96 : Ibrahim_41, Nairb_40, ZenTime222_40, Bernal13_41, RonRayGun_41
- Track 97 : Mendokysei_39
- Track 98 : IdentityCrisis_42
- Track 99 : Reynauld_48
- Track 100 : TinyDot_55
- Track 101 : Chymera_48
- Track 102 : Footloose_55
- Track 103 : DocB7_034
- Track 104 : Mbo2_39
- Track 105 : Trogglehumper_64

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

The start number called the most often in the published annotations is 25, it was called in 156 of the 507 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alexphander_63, AlpineSix_64, Avani_67, Blarby_71, Blexus_57, BlueCrab_59, BobaPhett_63, BodEinwohner17_59, Boomer_64, Brocalys_54, Burwell21_57, BuzzLyseyear_65, ByChance_51, Byougenkin_57, Cabrinians_60, CaptainTrips_56, Chuckly_62, Clifton_54, Cornie_55, Cornucopia_61, Crumble_54, DRBy19_62, DaWorst_60, DaddyRickover_58, Daenerys_53, Dante_60, DeadP_65, Demsculpinboyz_70, DillTech15_56, DirtMcgirt_58, Doomphist_59, Dorothy_57, DosHalletts_61, Doug_61, Drago_57, Eish_63, EleanorGeorge_60, Empress_57, Enby_60, Eradicator_52, Estave1_62, Fancypants_61, Fastidio_59, Firehouse51_60, FreddyB_60, GUmbie_57, Galactic_58, Gandalph_62, GigiOuiOui_55, Girr_57, Gorge_63, Hades_60, Hegedechwinu_59, Hlubikazi_55, IbOuu_60, Ibhubesi_59, Inventum_54, IrishSherpFalk_60, Jabbawokkie_73, James_63, Jarcob_59, Jinglebell_64, Job42_61, JoeyJr_54, Karhdo_56, Kersh_61, Kimberlium_62, KingMidas_58, Koella_53, KristaRAM_62, LastJedi_53, Latretium_61, Leozinho_58, Leperchaun_51, LilMoolah_57, LittleShirley_58, Lizziana_65, Llama_64, Llij_55, Lorde_59, LunaBlu_61, LunaStella_58, MadMen_57, Madiba_57, Mahavrat_57, Mandlovu_55, Maravista_60, Marker_61, Martik_59, Mattes_63, MinionDave_58, MisterCuddles_57, Modragons_63, Mova_60, Mozy_68, MulchExplorer_66, Mutaforma13_63, Nitzel_57, Nivrat_55, NormanBulbieJr_59, Ochi17_62,

OfUltron_64, Oksu_63, OldBen_56, OlympiaSaint_61, OwlsT2W_59, PHappiness_54, PMC_56, Pacc40_53, Phasih_57, Phatniss_57, Philus_62, Pippy_57, Plumbus_61, Poenanya_59, Polka14_57, Pollywog_60, Priscilla_59, QuickMath_61, Radiance_58, RedBird_57, Renaud18_65, Rialto_65, RitaG_54, Rita_60, Rockne_60, RockyHorror_60, Ruby_55, SG4_56, Saal_61, Sabbb_63, Sassafras_57, Scottish_57, Seabastian_64, ShiLan_58, ShowerHandel_62, ShroomBoi_61, SiSi_57, SimranZ1_59, Soul22_65, Spartacus_61, Spikelee_66, Spoonbill_56, Stap_57, Starceвич_59, Strokeseat_55, SwagPiggett_64, ThetaBob_64, Tootsieroll_60, Totinger_58, UncleRicky_58, VRedHorse_59, Veteran_56, Wee_63, Whouxphf_56, WillSterrel_60, Yorick_58, Yoshi_72, Zapner_72, Zerg_59, Zizzle_63,

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

- TChen_60,

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

- 244_94, ABCat_90, ASerpRocky_40, ActinUp_50, Adephegia_50, Adnama_97, Adonis_50, Aegeus_88, Ageofdapage_52, Alex44_7, AlishaPH_50, Amao_93, Amelie_46, AmericanBeauty_97, Amgine_51, Amochick_76, Amohnition_53, Amymech_75, Anaya_52, Angelica_50, Apocalypse_53, Argent26_97, Asayake_50, Asriel_91, Atiba_51, Atraxi_7, Austintatious_37, BEEST_50, BGIlluviae_50, BaboJay_93, BadStone_90, BaghaKamala_49, Balomoji_93, Barbarian_92, BarrelRoll_50, Bask21_93, Baudelaire_88, Beezoo_52, Bella96_51, Belladonna_50, Bellis_77, Bench_96, Benczkowski14_39, Bernal13_41, BigBubba_93, Binglebops_46, BilboSwaggins_92, Bioscum_41, Blizzard_50, Boiiii_50, BoostSeason_54, Bruin_90, Bryler_54, Buck_94, BugsBunny_93, CREW_50, Cactus_96, Cain_54, Capricorn_50, CaseJules_52, Charlie_44, CheetoDust_49, CherryTomatoes_55, ChosenOne_93, ChotaBhai_93, Chris_53, Chymera_48, Cjw1_94, Clautastrophe_77, Command613_95, Constella_113, Contagion_89, Cookies_90, CrimD_50, CrystalP_92, Curiosium_52, Czyszczonek1_94, Daegal_77, Daikon_94, Dalmuri_50, DarthP_53, Dartin_53, Deby_50, DeepSoil15_75, Demosthenes_39, Devera_55, Dewey_68, DismalFunk_54, DismalStressor_54, DocB7_034, DoctorDiddles_92, Dole_53, DrDrey_93, DrHayes_51, Dumbo_93, Durfee_50, Dusk_90, Easy2Say_94, Efra2_53, Ein37_75, Ekdilam_50, Elite2014_92, Ellie_49, Elph10_94, Emerson_51, Emmina_93, Enkosi_48, Eureka_92, Evanesce_74, Fefferhead_51, Filch_95, Findley_54, Finnry_79, FireRed_97, Flypotenuse_89, Footloose_55, Forge_68, Fryberger_93, GMA3_48, Gage_95, Gancho_74, Ganymede_51, Gator_91, Gemini_98, Geraldini_53, Giles_68, Glexan_92, Gmala1_46, Goku_92, GoldenSpark_97, Goldilocks_96, GooberAzure_96, GordDuk1_47, GordTnk2_48, Gravaiilia_69, Guanica15_53, Guey18_98, HH92_74, Hadrien_72, Hail_68, Hammy_53, HanKaySha_94, Harella_93, HedwigODU_50, Henry_91, Highbury_92, Hollow_40, Holt_98, Homura_50, Hoonter_96, Hopey_94, HufflyPuff_95, Hurricane_53, Hyperbowlee_50, IHOP_91, Ibrahim_41, Icee_94, IdentityCrisis_42, Ididsumtinwong_41, Illumine_53, Inca_90, Inky_50, JAWS_50, Jarvi_50, Jayhawk_51, JeTaimie_94, Jeckyll_50, Jobypre_80, Journey_43, Joy99_50, Jubie_78, Jumbo_47, Kanye_90, Katyusha_39, Keelan_94, Keshu_55, KiSi_55, Kimchi_97, Kinbote_73, Kingsolomon_77, Kostya_93, Krueger_57, Kvothe_39, LastHope_53, LaterM_51, LeMond_55, LilHazelNut_75, LilPharaoh_46, Lilac_96, Lilizi_94, Lilpickle_92, LindNT_49, Llorens_50, Luke_72, Luna22_68, Lunahalos_50, MISSy_94, MPhalcon_94, MacnCheese_55, MadamMonkfish_93, Manda_95, Marcoliusprime_54, MarkPhew_54, Marshawn_53, Marshmallow_91, Maxxinista_96, Mbo2_39, Mcmater_53, Mdavu_47, MeaningOfLife_51, Megsy_52, Mendokyse_39, Milly_54, Mindy_92, Miniwave_88, Misfit_94, Moldemort_96, Moostard_77, Morrill_7,

Mosby_89, MsGreen_79, Mufasa_54, Murica_96, Murphy_93, Murucutumbu_51, Mynx_51, Myrale_93, Nairb_40, Nala_95, NelitzaMV_91, Nergal_48, Niagara_39, Nibb_53, Nicholas_77, Nikao_49, Niklas_53, Nimrod_94, NoSleep_94, Nutello_46, OBUpride_74, OrionPax_92, Oscar_55, Padfoot_50, Padpat_52, Palpatine_95, PapayaSalad_40, Paperbeatsrock_92, Pat3_90, Peanam_53, Peel_50, Petra64142_98, Phaja_91, Pharb_50, Pharsalus_90, PhatBacter_97, Phaux_96, PhelpsODU_53, Phrank_54, Phrux_91, Piatt_50, Pixie_52, Pokerus_49, Policronamos_97, Porky_92, Prithvi_51, Pumpkin_97, Pupper_53, Qualification_94, QuincyRose_49, Rakim_94, Ramen_51, Rapunzel97_51, Reynauld_48, Richo_53, Rimmer_91, RiverMonster_94, RobinSparkles_47, RonRayGun_41, Ronaldo_96, Rosmarinus_50, SCentae_53, Saints25_92, Samty_78, SamuelLPlaqson_51, Sassay_88, Sbash_53, Scarlett_55, Sejanus_58, SgtBeansprout_46, Shadow1_56, ShamWow_93, Shaobing_53, ShedlockHolmes_54, ShereKhan_91, ShiaSurprise_51, Shweta_42, Simpliphy_92, SirDuracell_93, SirPhilip_53, SkinnyPete_42, Slimphazie_50, Snenia_78, SophKB_90, Sotrice96_94, Spock_50, Squiddly_71, Stank_95, Stark_95, StellaBean_91, Stinson_51, StolenFromERC_96, Strobilo_54, Sulley_50, Sunflower1121_57, Syra333_56, TBond007_51, TBrady12_96, TClif_54, TM4_49, Tachez_50, TaiwanKao_52, Taj_63, Tarkin_92, TeardropMSU_89, Teaspoon_94, Teatealatte_40, Teech_40, Terminus_96, ThirteenKH_7, Thresher_96, Tierra_54, TingHuaYa_51, TiniBug_51, TinyDot_55, Tiri_51, Tomaszewski_88, Topper_50, Toron_67, Toron_68, Torres_48, Toto_91, Traaww1_89, Tredge_40, TreyKay_51, TribbleTrouble_50, TrippleS_7, Trogglehumper_64, TruffulaTree_50, Tuco_94, Twitch_50, Ubuntu_75, Ukulele_88, Unicorn_53, Urkel_51, VWB_44, Validus_55, Veliki_51, Volt_97, Webster2_75, Wee_60, Wiggin_95, Willez_88, Wishmaker_68, Xandras_92, Ximenita_57, Yafa_7, YassJohnny_90, Youngblood_96, YoureAdopted_49, Yuna_57, Yunkel11_53, Zabiza_45, Zavala_52, ZenTime222_40, Ziko_96, ZoeJ_53, xkcd_96,

Summary by start number:

Start 20:

- Found in 22 of 539 (4.1%) of genes in pham
- Manual Annotations of this start: 20 of 507
- Called 90.9% of time when present
- Phage (with cluster) where this start called: Amochick_76 (Q), Amymech_75 (Q), Daegal_77 (Q), DeepSoil15_75 (Q), Dewey_68 (Q), Ein37_75 (Q), Evanesce_74 (Q), Gancho_74 (Q), Giles_68 (Q), Gravaillia_69 (Q), HH92_74 (Q), Hadrien_72 (Q), Hail_68 (Q), Kinbote_73 (Q), LilHazelNut_75 (Q), Luke_72 (Q), Luna22_68 (Q), OBUpride_74 (Q), Ubuntu_75 (Q), Webster2_75 (Q),

Start 21:

- Found in 1 of 539 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 507
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RobinSparkles_47 (CX),

Start 23:

- Found in 3 of 539 (0.6%) of genes in pham
- Manual Annotations of this start: 3 of 507
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CherryTomatoes_55 (DO), Pupper_53 (DO), SCentae_53 (DO),

Start 25:

- Found in 162 of 539 (30.1%) of genes in pham
- Manual Annotations of this start: 156 of 507
- Called 99.4% of time when present
- Phage (with cluster) where this start called: Alexphander_63 (F1), AlpineSix_64 (F1), Avani_67 (F2), Blarby_71 (F), Blexus_57 (F1), BlueCrab_59 (F1), BobaPhett_63 (F1), BodEinwohner17_59 (F1), Boomer_64 (F1), Brocalys_54 (F1), Burwell21_57 (F1), BuzzLyseyear_65 (F1), ByChance_51 (F1), Byougenkin_57 (F1), Cabrinians_60 (F1), CaptainTrips_56 (F1), Chuckly_62 (F1), Clifton_54 (F1), Cornie_55 (F5), Cornucopia_61 (F1), Crumble_54 (F1), DRBy19_62 (F1), DaWorst_60 (F1), DaddyRickover_58 (F1), Daenerys_53 (F1), Dante_60 (F1), DeadP_65 (F1), Demsculpinboyz_70 (F2), DillTech15_56 (F1), DirtMcgirt_58 (F1), Doomphist_59 (F1), Dorothy_57 (F1), DosHalletts_61 (F1), Doug_61 (F1), Drago_57 (F1), Eish_63 (F1), EleanorGeorge_60 (F1), Empress_57 (F1), Enby_60 (F1), Eradicator_52 (F1), Estave1_62 (F1), Fancypants_61 (F1), Fastidio_59 (F1), Firehouse51_60 (F1), FreddyB_60 (F1), GUmbie_57 (F1), Galactic_58 (F1), Gandolph_62 (F1), GigiOuiOui_55 (F1), Girr_57 (F1), Gorge_63 (F1), Hades_60 (F1), Hegedechwinu_59 (F1), Hlubikazi_55 (F1), IbOuu_60 (F1), Ibhubesi_59 (F1), Inventum_54 (F1), IrishSherpFalk_60 (F1), Jabbawokkie_73 (F2), James_63 (F1), Jarcob_59 (F1), Jinglebell_64 (F1), Job42_61 (F1), JoeyJr_54 (F1), Karhdo_56 (F1), Kersh_61 (F1), Kimberlium_62 (F1), KingMidas_58 (F1), Koella_53 (F1), KristaRAM_62 (F1), LastJedi_53 (F1), Latretium_61 (F1), Leozinho_58 (F1), Leperchaun_51 (F1), LilMoolah_57 (F1), LittleShirley_58 (F1), Lizziana_65 (F1), Llama_64 (F1), Llij_55 (F1), Lorde_59 (F1), LunaBlu_61 (F1), LunaStella_58 (F4), MadMen_57 (F1), Madiba_57 (F1), Mahavrat_57 (F1), Mandlovu_55 (F1), Maravista_60 (F1), Marker_61 (F1), Martik_59 (F1), Mattes_63 (F1), MinionDave_58 (F1), MisterCuddles_57 (F1), Modragons_63 (F1), Mova_60 (F1), Mozy_68 (F1), MulchExplorer_66 (F1), Mutaforma13_63 (F1), Nitzel_57 (F1), Nivrat_55 (F1), NormanBulbieJr_59 (F1), Ochi17_62 (F1), OfUltron_64 (F1), Oksu_63 (F1), OldBen_56 (F1), OlympiaSaint_61 (F1), OwlsT2W_59 (F1), PHappiness_54 (F1), PMC_56 (F1), Pacc40_53 (F1), Phasih_57 (F1), Phatniss_57 (F1), Philus_62 (F1), Pippy_57 (F1), Plumbus_61 (F1), Poenanya_59 (F1), Polka14_57 (F1), Pollywog_60 (F1), Priscilla_59 (F1), QuickMath_61 (F1), Radiance_58 (F1), RedBird_57 (F1), Renaud18_65 (F4), Rialto_65 (F1), RitaG_54 (F1), Rita_60 (F1), Rockne_60 (F1), RockyHorror_60 (F1), Ruby_55 (F1), SG4_56 (F1), Saal_61 (F1), Sabbb_63 (F1), Sassafras_57 (F1), Scottish_57 (F1), Seabastian_64 (F1), ShiLan_58 (F1), ShowerHandel_62 (F1), ShroomBoi_61 (F1), SiSi_57 (F1), SimranZ1_59 (F1), Soul22_65 (F2), Spartacus_61 (F1), Spikelee_66 (F1), Spoonbill_56 (F1), Stap_57 (F1), Starcevich_59 (F1), Strokeseat_55 (F1), SwagPiggett_64 (F1), ThetaBob_64 (F4), Tootsieroll_60 (F1), Totinger_58 (F1), UncleRicky_58 (F1), VRedHorse_59 (F1), Veteran_56 (F1), Wee_63 (F1), Whouxphf_56 (F1), WillSterrel_60 (F1), Yorick_58 (F1), Yoshi_72 (F2), Zapner_72 (F2), Zerg_59 (F1), Zizzle_63 (F1),

Start 26:

- Found in 1 of 539 (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 27:

- Found in 22 of 539 (4.1%) of genes in pham
- Manual Annotations of this start: 2 of 507
- Called 9.1% of time when present

- Phage (with cluster) where this start called: Forge_68 (Q), Wishmaker_68 (Q),

Start 28:

- Found in 2 of 539 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 507
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Wee_60 (F1),

Start 30:

- Found in 2 of 539 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 507
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Constella_113 (J),

Start 31:

- Found in 7 of 539 (1.3%) of genes in pham
- Manual Annotations of this start: 1 of 507
- Called 14.3% of time when present
- Phage (with cluster) where this start called: TChen_60 (F4),

Start 32:

- Found in 7 of 539 (1.3%) of genes in pham
- Manual Annotations of this start: 6 of 507
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Charlie_44 (N), Chymera_48 (singleton), Journey_43 (N), Sbash_53 (I2), Sejanus_58 (AD), Shweta_42 (N),

Start 34:

- Found in 4 of 539 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 507
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Squiddly_71 (DN2),

Start 36:

- Found in 8 of 539 (1.5%) of genes in pham
- Manual Annotations of this start: 8 of 507
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hurricane_53 (K3), Keshu_55 (K3), MacnCheese_55 (K3), Pharb_50 (K3), Pixie_52 (K3), ShedlockHolmes_54 (K3), TBond007_51 (K3), TripleTrouble_50 (K3),

Start 38:

- Found in 1 of 539 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 507
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Footloose_55 (singleton),

Start 41:

- Found in 1 of 539 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 507
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TinyDot_55 (singleton),

Start 42:

- Found in 130 of 539 (24.1%) of genes in pham
- Manual Annotations of this start: 120 of 507
- Called 96.9% 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), Apocalypse_53 (K1), Asayake_50 (K1), Atiba_51 (K1), BEEST_50 (K1), BGIlluviae_50 (K1), BaghaKamala_49 (K1), BarrelRoll_50 (K1), Beezoo_52 (K1), Bella96_51 (K1), Belladonna_50 (K1), Bernal13_41 (T), Binglebops_46 (K1), Blizzard_50 (K1), Boiii_50 (K1), Bryler_54 (K6), CREW_50 (K1), Cain_54 (K6), Capricorn_50 (K1), CaseJules_52 (K1), CheetoDust_49 (K1), Chris_53 (K1), CrimD_50 (K1), Curiosium_52 (K1), Dalmuri_50 (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), Ibrahim_41 (T), 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), MarkPhew_54 (K1), Marshawn_53 (K6), McMater_53 (K1), Mdavu_47 (K1), MeaningOfLife_51 (K1), Megsy_52 (K1), Mendokysei_39 (T), Murucutumbu_51 (K1), Mynx_51 (K1), Nairb_40 (T), 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), Pokerus_49 (K1), Prithvi_51 (K1), QuincyRose_49 (K1), Ramen_51 (K1), Rapunzel97_51 (K1), Richo_53 (K1), RonRayGun_41 (T), 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), Tierra_54 (K6), TingHuaYa_51 (K1), TiniBug_51 (K1), Tiri_51 (K1), Topper_50 (K1), Torres_48 (K1), TreyKay_51 (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), ZenTime222_40 (T),

Start 43:

- Found in 14 of 539 (2.6%) of genes in pham
- Manual Annotations of this start: 8 of 507
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Amgine_51 (K6), Amohnition_53 (K6), DarthP_53 (K6), Ekdilam_50 (K6), Ellie_49 (K6), Fefferhead_51 (K6), Hammy_53 (K6), TClif_54 (K6),

Start 45:

- Found in 9 of 539 (1.7%) of genes in pham
- Manual Annotations of this start: 2 of 507
- Called 22.2% of time when present
- Phage (with cluster) where this start called: KiSi_55 (K1), LeMond_55 (K1),

Start 46:

- Found in 7 of 539 (1.3%) of genes in pham
- Manual Annotations of this start: 2 of 507
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Guanica15_53 (K1), LastHope_53 (K1),

Start 47:

- Found in 11 of 539 (2.0%) of genes in pham
- Manual Annotations of this start: 6 of 507
- Called 54.5% of time when present
- Phage (with cluster) where this start called: BoostSeason_54 (K2), DismalFunk_54 (K2), DismalStressor_54 (K2), Findley_54 (K2), Marcoliusprime_54 (K2), Milly_54 (K2),

Start 48:

- Found in 11 of 539 (2.0%) of genes in pham
- Manual Annotations of this start: 4 of 507
- Called 45.5% of time when present
- Phage (with cluster) where this start called: Mufasa_54 (K2), Strobilo_54 (K2), TM4_49 (K2), VWB_44 (BA), ZoeJ_53 (K2),

Start 49:

- Found in 15 of 539 (2.8%) of genes in pham
- Manual Annotations of this start: 1 of 507
- Called 33.3% of time when present
- Phage (with cluster) where this start called: GMA3_48 (DF2), Gmala1_46 (DF1), GordDuk1_47 (DF1), GordTnk2_48 (DF1), Jumbo_47 (DF3),

Start 50:

- Found in 4 of 539 (0.7%) of genes in pham
- Manual Annotations of this start: 4 of 507
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Austintatious_37 (BC3), Bioscum_41 (BC3), Ididsumtinwong_41 (BC3), PapayaSalad_40 (BC3),

Start 53:

- Found in 6 of 539 (1.1%) of genes in pham
- Manual Annotations of this start: 6 of 507
- 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 11 of 539 (2.0%) of genes in pham
- Manual Annotations of this start: 7 of 507
- Called 72.7% of time when present
- Phage (with cluster) where this start called: Clautastrophe_77 (L3), Finnry_79 (L3), Jobypre_80 (L3), Jubie_78 (L3), Kingsolomon_77 (L3), MsGreen_79 (L3), Nicholas_77 (L3), Snenia_78 (L3),

Start 57:

- Found in 132 of 539 (24.5%) of genes in pham
- Manual Annotations of this start: 123 of 507
- Called 98.5% 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), Bench_96 (E), BigBubba_93 (E), BilboSwaggins_92 (E), Bruin_90 (E), Buck_94

(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), Czyszczo1_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), Filch_95 (E), FireRed_97 (E), Flypotenuse_89 (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), HanKaySha_94 (E), Harella_93 (E), Henry_91 (E), Highbury_92 (E), Holt_98 (E), Hoonter_96 (E), Hopey_94 (E), HufflyPuff_95 (E), IHOP_91 (E), Icee_94 (E), Inca_90 (E), JeTaimie_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), Mosby_89 (E), Murica_96 (E), Murphy_93 (E), Myrale_93 (E), Nala_95 (E), NelitzaMV_91 (E), Nimrod_94 (E), NoSleep_94 (E), OrionPax_92 (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_97 (E), Porky_92 (E), Pumpkin_97 (E), Quallification_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), TBrady12_96 (E), Tarkin_92 (E), TeardropMSU_89 (E), Teaspoon_94 (E), Terminus_96 (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 58:

- Found in 2 of 539 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 507
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Reynauld_48 (singleton), Trogglehumper_64 (singleton),

Start 59:

- Found in 1 of 539 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 507
- Called 100.0% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_42 (singleton),

Start 60:

- Found in 2 of 539 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 507
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Taj_63 (F1), Toron_68 (F6),

Start 61:

- Found in 19 of 539 (3.5%) of genes in pham
- Manual Annotations of this start: 4 of 507
- Called 26.3% of time when present
- Phage (with cluster) where this start called: Aegeus_88 (L5), Baudelaire_88 (L5), Bellis_77 (L3), Moostard_77 (L3), Samty_78 (L3),

Start 64:

- Found in 16 of 539 (3.0%) of genes in pham
- Manual Annotations of this start: 13 of 507
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ASerpRocky_40 (CS4), Alex44_7 (EK1), Atraxi_7 (EK2), Benczkowski14_39 (CS4), Demosthenes_39 (CS4), Hollow_40 (CS4), Katyusha_39 (CS4), Kvothe_39 (CS4), Morrill_7 (EK2), Niagara_39 (CS4), Teatealatte_40 (CS4), Teech_40 (CS4), ThirteenKH_7 (EK2), Tredge_40 (CS4), TrippleS_7 (EK2), Yafa_7 (EK2),

Start 65:

- Found in 3 of 539 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: DocB7_034 (singleton),

Start 68:

- Found in 6 of 539 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 507
- Called 16.7% of time when present
- Phage (with cluster) where this start called: SkinnyPete_42 (N),

Start 69:

- Found in 6 of 539 (1.1%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Mbo2_39 (singleton),

Summary by clusters:

There are 33 clusters represented in this pham: DO, singleton, BA, K3, K2, K1, K6, DP, I2, DF1, DF3, DF2, DN2, CS4, E, AD, AG, F, J, N, Q, CX, L3, F1, F2, F4, F5, F6, T, L5, EK2, EK1, BC3,

Info for manual annotations of cluster AD:

- Start number 32 was manually annotated 1 time for cluster AD.

Info for manual annotations of cluster AG:

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

Info for manual annotations of cluster BC3:

- Start number 50 was manually annotated 4 times for cluster BC3.

Info for manual annotations of cluster CS4:

- Start number 64 was manually annotated 9 times for cluster CS4.

Info for manual annotations of cluster CX:

- Start number 21 was manually annotated 1 time for cluster CX.

Info for manual annotations of cluster DF3:

- Start number 49 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DN2:

- Start number 34 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster DO:

- Start number 23 was manually annotated 3 times for cluster DO.

Info for manual annotations of cluster DP:

- Start number 53 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster E:

- Start number 57 was manually annotated 123 times for cluster E.

Info for manual annotations of cluster EK1:

- Start number 64 was manually annotated 1 time for cluster EK1.

Info for manual annotations of cluster EK2:

- Start number 64 was manually annotated 3 times for cluster EK2.

Info for manual annotations of cluster F1:

- Start number 25 was manually annotated 146 times for cluster F1.
- Start number 28 was manually annotated 1 time for cluster F1.
- Start number 60 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:

- Start number 25 was manually annotated 6 times for cluster F2.

Info for manual annotations of cluster F4:

- Start number 25 was manually annotated 3 times for cluster F4.
- Start number 31 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster F5:

- Start number 25 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster I2:

- Start number 32 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster J:

- Start number 30 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:

- Start number 42 was manually annotated 99 times for cluster K1.
- Start number 45 was manually annotated 2 times for cluster K1.
- Start number 46 was manually annotated 2 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 47 was manually annotated 6 times for cluster K2.
- Start number 48 was manually annotated 4 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 36 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K6:

- Start number 42 was manually annotated 14 times for cluster K6.
- Start number 43 was manually annotated 8 times for cluster K6.

Info for manual annotations of cluster L3:

- Start number 54 was manually annotated 7 times for cluster L3.
- Start number 61 was manually annotated 2 times for cluster L3.

Info for manual annotations of cluster L5:

- Start number 61 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster N:

- Start number 32 was manually annotated 3 times for cluster N.
- Start number 68 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster Q:

- Start number 20 was manually annotated 20 times for cluster Q.
- Start number 27 was manually annotated 2 times for cluster Q.

Info for manual annotations of cluster T:

- Start number 42 was manually annotated 6 times for cluster T.

Gene Information:

Gene: 244_94 Start: 56440, Stop: 56700, Start Num: 57

Candidate Starts for 244_94:

(Start: 57 @56440 has 123 MA's), (67, 56461), (81, 56536), (92, 56605), (104, 56671),

Gene: ABCat_90 Start: 57128, Stop: 57388, Start Num: 57

Candidate Starts for ABCat_90:

(Start: 57 @57128 has 123 MA's), (67, 57149), (81, 57224), (92, 57293), (104, 57359),

Gene: ASerpRocky_40 Start: 44241, Stop: 44041, Start Num: 64

Candidate Starts for ASerpRocky_40:

(Start: 64 @44241 has 13 MA's),

Gene: ActinUp_50 Start: 37356, Stop: 37619, Start Num: 42

Candidate Starts for ActinUp_50:

(Start: 42 @37356 has 120 MA's), (86, 37497),

Gene: Adephagia_50 Start: 37353, Stop: 37616, Start Num: 42

Candidate Starts for Adephagia_50:

(Start: 42 @37353 has 120 MA's), (86, 37494),

Gene: Adnama_97 Start: 56736, Stop: 56996, Start Num: 57

Candidate Starts for Adnama_97:

(Start: 57 @56736 has 123 MA's), (67, 56757), (81, 56832), (92, 56901), (104, 56967),

Gene: Adonis_50 Start: 37651, Stop: 37914, Start Num: 42

Candidate Starts for Adonis_50:

(Start: 42 @37651 has 120 MA's), (86, 37792),

Gene: Aegeus_88 Start: 54840, Stop: 55091, Start Num: 61

Candidate Starts for Aegeus_88:

(Start: 61 @54840 has 4 MA's), (75, 54885), (91, 54978), (99, 55032),

Gene: Ageofdapage_52 Start: 38336, Stop: 38599, Start Num: 42

Candidate Starts for Ageofdapage_52:

(5, 38084), (Start: 42 @38336 has 120 MA's), (71, 38390), (86, 38477),

Gene: Alex44_7 Start: 5465, Stop: 5193, Start Num: 64

Candidate Starts for Alex44_7:

(33, 5525), (Start: 64 @5465 has 13 MA's), (94, 5327), (99, 5297), (109, 5252),

Gene: Alexphander_63 Start: 40422, Stop: 40706, Start Num: 25

Candidate Starts for Alexphander_63:

(18, 40395), (Start: 25 @40422 has 156 MA's), (37, 40446), (55, 40461), (73, 40506), (75, 40518), (88, 40596), (91, 40608), (95, 40632), (97, 40644), (110, 40698),

Gene: AlishaPH_50 Start: 37626, Stop: 37889, Start Num: 42

Candidate Starts for AlishaPH_50:

(Start: 42 @37626 has 120 MA's), (86, 37767),

Gene: AlpineSix_64 Start: 42541, Stop: 42819, Start Num: 25

Candidate Starts for AlpineSix_64:

(18, 42514), (Start: 25 @42541 has 156 MA's), (74, 42625), (76, 42634), (86, 42697), (88, 42712), (91, 42724), (95, 42748), (97, 42760), (110, 42811),

Gene: Amao_93 Start: 56248, Stop: 56508, Start Num: 57

Candidate Starts for Amao_93:

(Start: 57 @56248 has 123 MA's), (67, 56269), (81, 56344), (92, 56413), (104, 56479),

Gene: Amelie_46 Start: 37040, Stop: 37309, Start Num: 42

Candidate Starts for Amelie_46:

(Start: 42 @37040 has 120 MA's), (79, 37136), (89, 37196), (90, 37202), (91, 37205), (95, 37232), (97, 37244), (108, 37298),

Gene: AmericanBeauty_97 Start: 57297, Stop: 57557, Start Num: 57

Candidate Starts for AmericanBeauty_97:

(Start: 57 @57297 has 123 MA's), (67, 57318), (81, 57393), (92, 57462), (104, 57528),

Gene: Amgine_51 Start: 38553, Stop: 38807, Start Num: 43

Candidate Starts for Amgine_51:

(8, 38403), (Start: 43 @38553 has 8 MA's), (75, 38619), (93, 38727),

Gene: Amochick_76 Start: 49396, Stop: 49704, Start Num: 20

Candidate Starts for Amochick_76:

(19, 49390), (Start: 20 @49396 has 20 MA's), (Start: 27 @49423 has 2 MA's), (40, 49456), (78, 49558), (83, 49585), (102, 49696),

Gene: Amohnition_53 Start: 38560, Stop: 38814, Start Num: 43

Candidate Starts for Amohnition_53:

(3, 38242), (5, 38311), (8, 38407), (Start: 43 @38560 has 8 MA's), (75, 38626), (86, 38689), (93, 38734),

Gene: Amymech_75 Start: 48849, Stop: 49157, Start Num: 20

Candidate Starts for Amymech_75:

(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: Anaya_52 Start: 37953, Stop: 38216, Start Num: 42

Candidate Starts for Anaya_52:

(Start: 42 @37953 has 120 MA's), (71, 38007), (86, 38094), (91, 38121),

Gene: Angelica_50 Start: 37583, Stop: 37846, Start Num: 42

Candidate Starts for Angelica_50:

(Start: 42 @37583 has 120 MA's), (86, 37724),

Gene: Apocalypse_53 Start: 38362, Stop: 38625, Start Num: 42

Candidate Starts for Apocalypse_53:

(Start: 42 @38362 has 120 MA's), (86, 38503),

Gene: Argent26_97 Start: 56657, Stop: 56917, Start Num: 57

Candidate Starts for Argent26_97:

(Start: 57 @56657 has 123 MA's), (67, 56678), (81, 56753), (92, 56822), (104, 56888),

Gene: Asayake_50 Start: 37668, Stop: 37931, Start Num: 42

Candidate Starts for Asayake_50:

(Start: 42 @37668 has 120 MA's), (86, 37809),

Gene: Asriel_91 Start: 55073, Stop: 55333, Start Num: 57

Candidate Starts for Asriel_91:

(Start: 57 @55073 has 123 MA's), (67, 55094), (81, 55169), (92, 55238), (104, 55304),

Gene: Atiba_51 Start: 37316, Stop: 37579, Start Num: 42

Candidate Starts for Atiba_51:

(Start: 42 @37316 has 120 MA's), (86, 37457),

Gene: Atraxi_7 Start: 5184, Stop: 4927, Start Num: 64

Candidate Starts for Atraxi_7:

(33, 5244), (Start: 64 @5184 has 13 MA's), (80, 5112), (86, 5070), (99, 4995), (109, 4950),

Gene: Austintatious_37 Start: 25254, Stop: 25553, Start Num: 50

Candidate Starts for Austintatious_37:

(4, 24966), (7, 25011), (22, 25185), (Start: 50 @25254 has 4 MA's), (91, 25416),

Gene: Avani_67 Start: 40740, Stop: 41018, Start Num: 25

Candidate Starts for Avani_67:

(18, 40713), (Start: 25 @40740 has 156 MA's), (74, 40824), (76, 40833), (86, 40896), (88, 40911), (91, 40923), (95, 40947), (97, 40959), (110, 41010),

Gene: BEEST_50 Start: 37668, Stop: 37931, Start Num: 42

Candidate Starts for BEEST_50:

(Start: 42 @37668 has 120 MA's), (86, 37809),

Gene: BGlluviae_50 Start: 37471, Stop: 37734, Start Num: 42

Candidate Starts for BGlluviae_50:

(Start: 42 @37471 has 120 MA's), (86, 37612),

Gene: BaboJay_93 Start: 57319, Stop: 57579, Start Num: 57

Candidate Starts for BaboJay_93:

(Start: 57 @57319 has 123 MA's), (67, 57340), (81, 57415), (92, 57484), (104, 57550),

Gene: BadStone_90 Start: 56697, Stop: 56957, Start Num: 57

Candidate Starts for BadStone_90:

(Start: 57 @56697 has 123 MA's), (67, 56718), (81, 56793), (92, 56862), (104, 56928),

Gene: BaghaKamala_49 Start: 36791, Stop: 37054, Start Num: 42

Candidate Starts for BaghaKamala_49:

(Start: 42 @36791 has 120 MA's), (86, 36932),

Gene: Balomoji_93 Start: 56855, Stop: 57115, Start Num: 57

Candidate Starts for Balomoji_93:

(11, 56717), (Start: 57 @56855 has 123 MA's), (67, 56876), (92, 57020), (104, 57086),

Gene: Barbarian_92 Start: 55073, Stop: 55333, Start Num: 57

Candidate Starts for Barbarian_92:

(Start: 57 @55073 has 123 MA's), (67, 55094), (81, 55169), (92, 55238), (104, 55304),

Gene: BarrelRoll_50 Start: 37339, Stop: 37602, Start Num: 42

Candidate Starts for BarrelRoll_50:

(Start: 42 @37339 has 120 MA's), (86, 37480),

Gene: Bask21_93 Start: 55708, Stop: 55968, Start Num: 57

Candidate Starts for Bask21_93:

(11, 55570), (Start: 57 @55708 has 123 MA's), (67, 55729), (92, 55873), (104, 55939),

Gene: Baudelaire_88 Start: 54840, Stop: 55091, Start Num: 61

Candidate Starts for Baudelaire_88:

(Start: 61 @54840 has 4 MA's), (75, 54885), (91, 54978), (99, 55032),

Gene: Beezoo_52 Start: 38314, Stop: 38577, Start Num: 42

Candidate Starts for Beezoo_52:

(Start: 42 @38314 has 120 MA's), (86, 38455),

Gene: Bella96_51 Start: 38180, Stop: 38443, Start Num: 42

Candidate Starts for Bella96_51:

(5, 37928), (Start: 42 @38180 has 120 MA's), (71, 38234), (83, 38303), (86, 38321),

Gene: Belladonna_50 Start: 37471, Stop: 37734, Start Num: 42

Candidate Starts for Belladonna_50:

(Start: 42 @37471 has 120 MA's), (86, 37612),

Gene: Bellis_77 Start: 53811, Stop: 54065, Start Num: 61

Candidate Starts for Bellis_77:

(Start: 54 @53796 has 7 MA's), (Start: 61 @53811 has 4 MA's), (91, 53946), (98, 53988), (104, 54024), (111, 54048),

Gene: Bench_96 Start: 56792, Stop: 57052, Start Num: 57
Candidate Starts for Bench_96:
(Start: 57 @56792 has 123 MA's), (67, 56813), (81, 56888), (92, 56957), (104, 57023),

Gene: Benczkowski14_39 Start: 44274, Stop: 44074, Start Num: 64
Candidate Starts for Benczkowski14_39:
(Start: 64 @44274 has 13 MA's),

Gene: Bernal13_41 Start: 31446, Stop: 31703, Start Num: 42
Candidate Starts for Bernal13_41:
(4, 31170), (6, 31191), (Start: 42 @31446 has 120 MA's), (75, 31530), (91, 31620),

Gene: BigBubba_93 Start: 56089, Stop: 56349, Start Num: 57
Candidate Starts for BigBubba_93:
(Start: 57 @56089 has 123 MA's), (67, 56110), (81, 56185), (92, 56254), (104, 56320),

Gene: Biglebops_46 Start: 37040, Stop: 37309, Start Num: 42
Candidate Starts for Biglebops_46:
(Start: 42 @37040 has 120 MA's), (79, 37136), (89, 37196), (90, 37202), (91, 37205), (95, 37232), (97, 37244), (108, 37298),

Gene: BilboSwaggins_92 Start: 57094, Stop: 57354, Start Num: 57
Candidate Starts for BilboSwaggins_92:
(Start: 57 @57094 has 123 MA's), (67, 57115), (81, 57190), (92, 57259), (104, 57325),

Gene: Bioscum_41 Start: 27555, Stop: 27854, Start Num: 50
Candidate Starts for Bioscum_41:
(4, 27267), (7, 27312), (22, 27486), (Start: 50 @27555 has 4 MA's), (91, 27717),

Gene: Blarby_71 Start: 41835, Stop: 42119, Start Num: 25
Candidate Starts for Blarby_71:
(18, 41808), (Start: 25 @41835 has 156 MA's), (37, 41859), (55, 41874), (73, 41919), (75, 41931), (88, 42009), (91, 42021), (95, 42045), (97, 42057), (110, 42111),

Gene: Blexus_57 Start: 40392, Stop: 40673, Start Num: 25
Candidate Starts for Blexus_57:
(18, 40365), (Start: 25 @40392 has 156 MA's), (37, 40416), (55, 40431), (73, 40476), (75, 40488), (88, 40566), (91, 40578), (95, 40602), (97, 40614), (110, 40665),

Gene: Blizzard_50 Start: 37668, Stop: 37931, Start Num: 42
Candidate Starts for Blizzard_50:
(Start: 42 @37668 has 120 MA's), (86, 37809),

Gene: BlueCrab_59 Start: 40700, Stop: 40978, Start Num: 25
Candidate Starts for BlueCrab_59:
(18, 40673), (Start: 25 @40700 has 156 MA's), (37, 40724), (52, 40736), (73, 40781), (75, 40793), (91, 40883), (95, 40907), (97, 40919), (110, 40970),

Gene: BobaPhett_63 Start: 42651, Stop: 42935, Start Num: 25
Candidate Starts for BobaPhett_63:
(18, 42624), (Start: 25 @42651 has 156 MA's), (37, 42675), (55, 42690), (73, 42735), (75, 42747), (88, 42825), (91, 42837), (95, 42861), (97, 42873), (110, 42927),

Gene: BodEinwohner17_59 Start: 39462, Stop: 39740, Start Num: 25

Candidate Starts for BodEinwohner17_59:

(18, 39435), (Start: 25 @39462 has 156 MA's), (74, 39546), (76, 39555), (86, 39618), (88, 39633), (91, 39645), (95, 39669), (97, 39681), (110, 39732),

Gene: Boiiii_50 Start: 37670, Stop: 37933, Start Num: 42

Candidate Starts for Boiiii_50:

(Start: 42 @37670 has 120 MA's), (86, 37811),

Gene: Boomer_64 Start: 42326, Stop: 42610, Start Num: 25

Candidate Starts for Boomer_64:

(18, 42299), (Start: 25 @42326 has 156 MA's), (37, 42350), (55, 42365), (73, 42410), (75, 42422), (88, 42500), (91, 42512), (95, 42536), (97, 42548), (110, 42602),

Gene: BoostSeason_54 Start: 39128, Stop: 39364, Start Num: 47

Candidate Starts for BoostSeason_54:

(Start: 47 @39128 has 6 MA's), (Start: 48 @39131 has 4 MA's), (52, 39137), (56, 39143), (83, 39233), (84, 39239), (95, 39302), (108, 39353),

Gene: Brocalys_54 Start: 36836, Stop: 37117, Start Num: 25

Candidate Starts for Brocalys_54:

(18, 36809), (Start: 25 @36836 has 156 MA's), (37, 36860), (55, 36875), (73, 36920), (75, 36932), (88, 37010), (91, 37022), (95, 37046), (97, 37058), (110, 37109),

Gene: Bruin_90 Start: 55671, Stop: 55931, Start Num: 57

Candidate Starts for Bruin_90:

(Start: 57 @55671 has 123 MA's), (67, 55692), (81, 55767), (92, 55836), (104, 55902),

Gene: Bryler_54 Start: 37154, Stop: 37411, Start Num: 42

Candidate Starts for Bryler_54:

(Start: 42 @37154 has 120 MA's), (51, 37175), (75, 37229), (86, 37292), (87, 37301), (101, 37379),

Gene: Buck_94 Start: 57360, Stop: 57620, Start Num: 57

Candidate Starts for Buck_94:

(11, 57222), (Start: 57 @57360 has 123 MA's), (67, 57381), (92, 57525), (104, 57591),

Gene: BugsBunny_93 Start: 57200, Stop: 57460, Start Num: 57

Candidate Starts for BugsBunny_93:

(Start: 57 @57200 has 123 MA's), (67, 57221), (81, 57296), (92, 57365), (104, 57431),

Gene: Burwell21_57 Start: 39934, Stop: 40218, Start Num: 25

Candidate Starts for Burwell21_57:

(18, 39907), (Start: 25 @39934 has 156 MA's), (37, 39958), (55, 39973), (73, 40018), (75, 40030), (88, 40108), (91, 40120), (95, 40144), (97, 40156), (110, 40210),

Gene: BuzzLyseyear_65 Start: 41358, Stop: 41639, Start Num: 25

Candidate Starts for BuzzLyseyear_65:

(18, 41331), (Start: 25 @41358 has 156 MA's), (37, 41382), (55, 41397), (73, 41442), (75, 41454), (88, 41532), (91, 41544), (95, 41568), (97, 41580), (110, 41631),

Gene: ByChance_51 Start: 35625, Stop: 35906, Start Num: 25

Candidate Starts for ByChance_51:

(18, 35598), (Start: 25 @35625 has 156 MA's), (37, 35649), (52, 35661), (73, 35706), (75, 35718), (88, 35796), (91, 35808), (95, 35832), (97, 35844), (110, 35898),

Gene: Byougenkin_57 Start: 39701, Stop: 39982, Start Num: 25

Candidate Starts for Byougenkin_57:

(18, 39674), (Start: 25 @39701 has 156 MA's), (37, 39725), (55, 39740), (73, 39785), (75, 39797), (88, 39875), (91, 39887), (95, 39911), (97, 39923), (110, 39974),

Gene: CREW_50 Start: 37471, Stop: 37734, Start Num: 42

Candidate Starts for CREW_50:

(Start: 42 @37471 has 120 MA's), (86, 37612),

Gene: Cabrinians_60 Start: 40012, Stop: 40296, Start Num: 25

Candidate Starts for Cabrinians_60:

(18, 39985), (Start: 25 @40012 has 156 MA's), (37, 40036), (55, 40051), (73, 40096), (75, 40108), (88, 40186), (91, 40198), (95, 40222), (97, 40234), (110, 40288),

Gene: Cactus_96 Start: 55737, Stop: 55997, Start Num: 57

Candidate Starts for Cactus_96:

(Start: 57 @55737 has 123 MA's), (67, 55758), (81, 55833), (92, 55902), (104, 55968),

Gene: Cain_54 Start: 37142, Stop: 37399, Start Num: 42

Candidate Starts for Cain_54:

(Start: 42 @37142 has 120 MA's), (51, 37163), (75, 37217), (86, 37280), (87, 37289), (101, 37367),

Gene: Capricorn_50 Start: 37471, Stop: 37734, Start Num: 42

Candidate Starts for Capricorn_50:

(Start: 42 @37471 has 120 MA's), (86, 37612),

Gene: CaptainTrips_56 Start: 39508, Stop: 39792, Start Num: 25

Candidate Starts for CaptainTrips_56:

(Start: 25 @39508 has 156 MA's), (37, 39532), (55, 39547), (73, 39592), (75, 39604), (88, 39682), (91, 39694), (95, 39718), (97, 39730), (110, 39784),

Gene: CaseJules_52 Start: 37668, Stop: 37931, Start Num: 42

Candidate Starts for CaseJules_52:

(Start: 42 @37668 has 120 MA's), (86, 37809),

Gene: Charlie_44 Start: 30217, Stop: 30516, Start Num: 32

Candidate Starts for Charlie_44:

(Start: 32 @30217 has 6 MA's), (Start: 43 @30235 has 8 MA's), (Start: 61 @30271 has 4 MA's), (Start: 68 @30286 has 1 MA's), (86, 30382), (95, 30433), (100, 30469), (107, 30502), (110, 30508),

Gene: CheetoDust_49 Start: 36840, Stop: 37103, Start Num: 42

Candidate Starts for CheetoDust_49:

(Start: 42 @36840 has 120 MA's), (86, 36981),

Gene: CherryTomatoes_55 Start: 18497, Stop: 18778, Start Num: 23

Candidate Starts for CherryTomatoes_55:

(Start: 23 @18497 has 3 MA's), (Start: 34 @18533 has 1 MA's), (75, 18608),

Gene: ChosenOne_93 Start: 56152, Stop: 56412, Start Num: 57

Candidate Starts for ChosenOne_93:

(Start: 57 @56152 has 123 MA's), (67, 56173), (81, 56248), (92, 56317), (104, 56383),

Gene: ChotaBhai_93 Start: 56073, Stop: 56333, Start Num: 57

Candidate Starts for ChotaBhai_93:

(11, 55935), (Start: 57 @56073 has 123 MA's), (67, 56094), (92, 56238), (104, 56304),

Gene: Chris_53 Start: 38292, Stop: 38561, Start Num: 42

Candidate Starts for Chris_53:

(Start: 42 @38292 has 120 MA's), (93, 38466), (112, 38547), (113, 38550),

Gene: Chuckly_62 Start: 40654, Stop: 40938, Start Num: 25

Candidate Starts for Chuckly_62:

(18, 40627), (Start: 25 @40654 has 156 MA's), (37, 40678), (55, 40693), (73, 40738), (75, 40750), (88, 40828), (91, 40840), (95, 40864), (97, 40876), (110, 40930),

Gene: Chymera_48 Start: 30948, Stop: 31208, Start Num: 32

Candidate Starts for Chymera_48:

(Start: 32 @30948 has 6 MA's), (35, 30954), (39, 30960), (95, 31149),

Gene: Cjw1_94 Start: 58116, Stop: 58376, Start Num: 57

Candidate Starts for Cjw1_94:

(Start: 57 @58116 has 123 MA's), (67, 58137), (81, 58212), (92, 58281), (104, 58347),

Gene: Clautastrophe_77 Start: 53794, Stop: 54063, Start Num: 54

Candidate Starts for Clautastrophe_77:

(Start: 54 @53794 has 7 MA's), (Start: 61 @53809 has 4 MA's), (91, 53944), (98, 53986), (104, 54022), (111, 54046),

Gene: Clifton_54 Start: 37187, Stop: 37468, Start Num: 25

Candidate Starts for Clifton_54:

(18, 37160), (Start: 25 @37187 has 156 MA's), (37, 37211), (55, 37226), (73, 37271), (75, 37283), (88, 37361), (91, 37373), (95, 37397), (97, 37409), (110, 37460),

Gene: Command613_95 Start: 57191, Stop: 57451, Start Num: 57

Candidate Starts for Command613_95:

(Start: 57 @57191 has 123 MA's), (67, 57212), (81, 57287), (92, 57356), (104, 57422),

Gene: Constella_113 Start: 65296, Stop: 65556, Start Num: 30

Candidate Starts for Constella_113:

(Start: 28 @65287 has 1 MA's), (29, 65293), (Start: 30 @65296 has 1 MA's), (Start: 49 @65320 has 1 MA's), (86, 65452), (91, 65479), (94, 65494), (95, 65500),

Gene: Contagion_89 Start: 55952, Stop: 56212, Start Num: 57

Candidate Starts for Contagion_89:

(Start: 57 @55952 has 123 MA's), (67, 55973), (81, 56048), (92, 56117), (104, 56183),

Gene: Cookies_90 Start: 55930, Stop: 56190, Start Num: 57

Candidate Starts for Cookies_90:

(11, 55792), (Start: 57 @55930 has 123 MA's), (67, 55951), (92, 56095), (104, 56161),

Gene: Cornie_55 Start: 38439, Stop: 38717, Start Num: 25

Candidate Starts for Cornie_55:

(16, 38403), (Start: 25 @38439 has 156 MA's), (37, 38463), (73, 38520), (75, 38532), (88, 38610), (91, 38622), (95, 38646), (97, 38658), (110, 38709),

Gene: Cornucopia_61 Start: 40668, Stop: 40946, Start Num: 25

Candidate Starts for Cornucopia_61:

(18, 40641), (Start: 25 @40668 has 156 MA's), (74, 40752), (76, 40761), (86, 40824), (88, 40839), (91, 40851), (95, 40875), (97, 40887), (110, 40938),

Gene: CrimD_50 Start: 37577, Stop: 37840, Start Num: 42

Candidate Starts for CrimD_50:

(Start: 42 @37577 has 120 MA's), (71, 37631), (86, 37718),

Gene: Crumble_54 Start: 35948, Stop: 36232, Start Num: 25

Candidate Starts for Crumble_54:

(18, 35921), (Start: 25 @35948 has 156 MA's), (37, 35972), (55, 35987), (73, 36032), (75, 36044), (88, 36122), (91, 36134), (95, 36158), (97, 36170), (110, 36224),

Gene: CrystalP_92 Start: 57094, Stop: 57354, Start Num: 57

Candidate Starts for CrystalP_92:

(Start: 57 @57094 has 123 MA's), (67, 57115), (81, 57190), (92, 57259), (104, 57325),

Gene: Curiosium_52 Start: 36255, Stop: 36521, Start Num: 42

Candidate Starts for Curiosium_52:

(Start: 42 @36255 has 120 MA's), (Start: 46 @36267 has 2 MA's), (71, 36312), (86, 36399), (101, 36489),

Gene: Czyszczone1_94 Start: 56655, Stop: 56915, Start Num: 57

Candidate Starts for Czyszczone1_94:

(Start: 57 @56655 has 123 MA's), (67, 56676), (81, 56751), (92, 56820), (104, 56886),

Gene: DRBy19_62 Start: 41112, Stop: 41393, Start Num: 25

Candidate Starts for DRBy19_62:

(18, 41085), (Start: 25 @41112 has 156 MA's), (74, 41196), (76, 41205), (86, 41268), (88, 41283), (91, 41295), (95, 41319), (97, 41331), (110, 41385),

Gene: DaWorst_60 Start: 40413, Stop: 40697, Start Num: 25

Candidate Starts for DaWorst_60:

(18, 40386), (Start: 25 @40413 has 156 MA's), (37, 40437), (55, 40452), (73, 40497), (88, 40587), (91, 40599), (95, 40623), (97, 40635), (110, 40689),

Gene: DaddyRickover_58 Start: 40151, Stop: 40435, Start Num: 25

Candidate Starts for DaddyRickover_58:

(18, 40124), (Start: 25 @40151 has 156 MA's), (37, 40175), (55, 40190), (73, 40235), (75, 40247), (88, 40325), (91, 40337), (95, 40361), (97, 40373), (110, 40427),

Gene: Daegal_77 Start: 49955, Stop: 50263, Start Num: 20

Candidate Starts for Daegal_77:

(15, 49937), (19, 49949), (Start: 20 @49955 has 20 MA's), (Start: 27 @49982 has 2 MA's), (40, 50015), (78, 50117), (83, 50144), (102, 50255),

Gene: Daenerys_53 Start: 38267, Stop: 38545, Start Num: 25

Candidate Starts for Daenerys_53:

(18, 38240), (Start: 25 @38267 has 156 MA's), (74, 38351), (76, 38360), (86, 38423), (88, 38438), (91, 38450), (95, 38474), (97, 38486), (110, 38537),

Gene: Daikon_94 Start: 56682, Stop: 56942, Start Num: 57

Candidate Starts for Daikon_94:

(11, 56544), (Start: 57 @56682 has 123 MA's), (67, 56703), (92, 56847), (104, 56913),

Gene: Dalmuri_50 Start: 37471, Stop: 37734, Start Num: 42

Candidate Starts for Dalmuri_50:

(Start: 42 @37471 has 120 MA's), (86, 37612),

Gene: Dante_60 Start: 39936, Stop: 40220, Start Num: 25

Candidate Starts for Dante_60:

(18, 39909), (Start: 25 @39936 has 156 MA's), (37, 39960), (55, 39975), (73, 40020), (75, 40032), (88, 40110), (91, 40122), (95, 40146), (97, 40158), (110, 40212),

Gene: DarthP_53 Start: 38444, Stop: 38698, Start Num: 43

Candidate Starts for DarthP_53:

(3, 38126), (5, 38195), (8, 38291), (Start: 43 @38444 has 8 MA's), (75, 38510), (86, 38573), (93, 38618),

Gene: Dartin_53 Start: 38285, Stop: 38548, Start Num: 42

Candidate Starts for Dartin_53:

(1, 37805), (3, 37961), (5, 38030), (Start: 42 @38285 has 120 MA's), (81, 38387), (83, 38405), (86, 38423), (95, 38477), (101, 38513), (108, 38537),

Gene: DeadP_65 Start: 42582, Stop: 42848, Start Num: 25

Candidate Starts for DeadP_65:

(Start: 25 @42582 has 156 MA's), (37, 42606), (55, 42621), (73, 42666), (75, 42678), (88, 42756), (91, 42768), (95, 42792),

Gene: Deby_50 Start: 37599, Stop: 37862, Start Num: 42

Candidate Starts for Deby_50:

(Start: 42 @37599 has 120 MA's), (71, 37653), (86, 37740),

Gene: DeepSoil15_75 Start: 48849, Stop: 49157, Start Num: 20

Candidate Starts for DeepSoil15_75:

(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: Demosthenes_39 Start: 44214, Stop: 44014, Start Num: 64

Candidate Starts for Demosthenes_39:

(Start: 64 @44214 has 13 MA's),

Gene: Demsculpinboyz_70 Start: 39936, Stop: 40217, Start Num: 25

Candidate Starts for Demsculpinboyz_70:

(17, 39900), (Start: 25 @39936 has 156 MA's), (Start: 31 @39951 has 1 MA's), (55, 39975), (73, 40020), (75, 40032), (95, 40146), (97, 40158), (110, 40209),

Gene: Devera_55 Start: 38103, Stop: 38366, Start Num: 42

Candidate Starts for Devera_55:

(5, 37851), (Start: 42 @38103 has 120 MA's), (71, 38157), (86, 38244),

Gene: Dewey_68 Start: 48849, Stop: 49157, Start Num: 20

Candidate Starts for Dewey_68:

(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: DillTech15_56 Start: 38601, Stop: 38879, Start Num: 25

Candidate Starts for DillTech15_56:

(18, 38574), (Start: 25 @38601 has 156 MA's), (74, 38685), (76, 38694), (86, 38757), (88, 38772), (91, 38784), (95, 38808), (97, 38820), (110, 38871),

Gene: DirtMcgirt_58 Start: 38676, Stop: 38960, Start Num: 25

Candidate Starts for DirtMcgirt_58:

(18, 38649), (Start: 25 @38676 has 156 MA's), (37, 38700), (55, 38715), (73, 38760), (75, 38772), (88, 38850), (91, 38862), (95, 38886), (97, 38898), (110, 38952),

Gene: DismalFunk_54 Start: 39559, Stop: 39792, Start Num: 47

Candidate Starts for DismalFunk_54:

(Start: 47 @39559 has 6 MA's), (Start: 48 @39562 has 4 MA's), (52, 39568), (56, 39574), (83, 39664), (84, 39670), (95, 39733),

Gene: DismalStressor_54 Start: 39559, Stop: 39792, Start Num: 47

Candidate Starts for DismalStressor_54:

(Start: 47 @39559 has 6 MA's), (Start: 48 @39562 has 4 MA's), (52, 39568), (56, 39574), (83, 39664), (84, 39670), (95, 39733),

Gene: DocB7_034 Start: 36428, Stop: 36228, Start Num: 65

Candidate Starts for DocB7_034:

(65, 36428), (84, 36332), (86, 36320), (92, 36287),

Gene: DoctorDiddles_92 Start: 56117, Stop: 56377, Start Num: 57

Candidate Starts for DoctorDiddles_92:

(11, 55979), (Start: 57 @56117 has 123 MA's), (67, 56138), (92, 56282), (104, 56348),

Gene: Dole_53 Start: 38105, Stop: 38368, Start Num: 42

Candidate Starts for Dole_53:

(5, 37853), (Start: 42 @38105 has 120 MA's), (71, 38159), (86, 38246),

Gene: Doomphist_59 Start: 41112, Stop: 41390, Start Num: 25

Candidate Starts for Doomphist_59:

(18, 41085), (Start: 25 @41112 has 156 MA's), (74, 41196), (76, 41205), (86, 41268), (88, 41283), (91, 41295), (95, 41319), (97, 41331), (110, 41382),

Gene: Dorothy_57 Start: 39331, Stop: 39609, Start Num: 25

Candidate Starts for Dorothy_57:

(18, 39304), (Start: 25 @39331 has 156 MA's), (74, 39415), (76, 39424), (86, 39487), (88, 39502), (91, 39514), (95, 39538), (97, 39550), (110, 39601),

Gene: DosHalletts_61 Start: 41467, Stop: 41745, Start Num: 25

Candidate Starts for DosHalletts_61:

(18, 41440), (Start: 25 @41467 has 156 MA's), (74, 41551), (76, 41560), (86, 41623), (88, 41638), (91, 41650), (95, 41674), (97, 41686), (110, 41737),

Gene: Doug_61 Start: 40679, Stop: 40963, Start Num: 25

Candidate Starts for Doug_61:

(18, 40652), (Start: 25 @40679 has 156 MA's), (37, 40703), (55, 40718), (73, 40763), (75, 40775), (88, 40853), (91, 40865), (95, 40889), (97, 40901), (110, 40955),

Gene: DrDrey_93 Start: 57574, Stop: 57834, Start Num: 57

Candidate Starts for DrDrey_93:

(Start: 57 @57574 has 123 MA's), (67, 57595), (81, 57670), (92, 57739), (104, 57805),

Gene: DrHayes_51 Start: 38242, Stop: 38505, Start Num: 42

Candidate Starts for DrHayes_51:

(5, 37990), (Start: 42 @38242 has 120 MA's), (71, 38296), (83, 38365), (86, 38383),

Gene: Drago_57 Start: 38679, Stop: 38963, Start Num: 25

Candidate Starts for Drago_57:

(18, 38652), (Start: 25 @38679 has 156 MA's), (37, 38703), (55, 38718), (73, 38763), (75, 38775), (88, 38853), (91, 38865), (95, 38889), (97, 38901), (110, 38955),

Gene: Dumbo_93 Start: 56054, Stop: 56314, Start Num: 57

Candidate Starts for Dumbo_93:

(Start: 57 @56054 has 123 MA's), (67, 56075), (81, 56150), (92, 56219), (104, 56285),

Gene: Durfee_50 Start: 37668, Stop: 37931, Start Num: 42

Candidate Starts for Durfee_50:

(Start: 42 @37668 has 120 MA's), (86, 37809),

Gene: Dusk_90 Start: 56357, Stop: 56617, Start Num: 57

Candidate Starts for Dusk_90:

(Start: 57 @56357 has 123 MA's), (67, 56378), (81, 56453), (92, 56522), (104, 56588),

Gene: Easy2Say_94 Start: 57556, Stop: 57816, Start Num: 57

Candidate Starts for Easy2Say_94:

(Start: 57 @57556 has 123 MA's), (67, 57577), (81, 57652), (92, 57721), (104, 57787),

Gene: Efra2_53 Start: 37187, Stop: 37450, Start Num: 42

Candidate Starts for Efra2_53:

(Start: 42 @37187 has 120 MA's), (Start: 46 @37199 has 2 MA's), (83, 37310), (86, 37328),

Gene: Ein37_75 Start: 48849, Stop: 49157, Start Num: 20

Candidate Starts for Ein37_75:

(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: Eish_63 Start: 40928, Stop: 41212, Start Num: 25

Candidate Starts for Eish_63:

(18, 40901), (Start: 25 @40928 has 156 MA's), (37, 40952), (55, 40967), (73, 41012), (88, 41102), (91, 41114), (95, 41138), (97, 41150), (110, 41204),

Gene: Ekdilam_50 Start: 37991, Stop: 38245, Start Num: 43

Candidate Starts for Ekdilam_50:

(3, 37673), (5, 37742), (8, 37838), (Start: 43 @37991 has 8 MA's), (86, 38120), (93, 38165),

Gene: EleanorGeorge_60 Start: 40795, Stop: 41076, Start Num: 25

Candidate Starts for EleanorGeorge_60:

(18, 40768), (Start: 25 @40795 has 156 MA's), (37, 40819), (55, 40834), (73, 40879), (75, 40891), (88, 40969), (91, 40981), (95, 41005), (97, 41017), (110, 41068),

Gene: Elite2014_92 Start: 56151, Stop: 56411, Start Num: 57

Candidate Starts for Elite2014_92:

(Start: 57 @56151 has 123 MA's), (67, 56172), (81, 56247), (92, 56316), (104, 56382),

Gene: Ellie_49 Start: 37741, Stop: 37995, Start Num: 43

Candidate Starts for Ellie_49:

(8, 37591), (Start: 43 @37741 has 8 MA's), (75, 37807), (93, 37915), (101, 37960),

Gene: Elph10_94 Start: 56144, Stop: 56404, Start Num: 57

Candidate Starts for Elph10_94:

(Start: 57 @56144 has 123 MA's), (67, 56165), (81, 56240), (92, 56309), (104, 56375),

Gene: Emerson_51 Start: 37347, Stop: 37610, Start Num: 42

Candidate Starts for Emerson_51:

(Start: 42 @37347 has 120 MA's), (86, 37488),

Gene: Emmina_93 Start: 55777, Stop: 56037, Start Num: 57

Candidate Starts for Emmina_93:

(Start: 57 @55777 has 123 MA's), (67, 55798), (81, 55873), (92, 55942), (104, 56008),

Gene: Empress_57 Start: 39681, Stop: 39959, Start Num: 25

Candidate Starts for Empress_57:

(18, 39654), (Start: 25 @39681 has 156 MA's), (74, 39765), (76, 39774), (86, 39837), (88, 39852), (91, 39864), (95, 39888), (97, 39900), (110, 39951),

Gene: Enby_60 Start: 38955, Stop: 39239, Start Num: 25

Candidate Starts for Enby_60:

(Start: 25 @38955 has 156 MA's), (37, 38979), (55, 38994), (73, 39039), (75, 39051), (88, 39129), (91, 39141), (95, 39165), (97, 39177), (110, 39231),

Gene: Enkosi_48 Start: 39653, Stop: 39922, Start Num: 42

Candidate Starts for Enkosi_48:

(Start: 42 @39653 has 120 MA's), (79, 39749), (89, 39809), (90, 39815), (91, 39818), (95, 39845), (97, 39857), (108, 39911),

Gene: Eradicator_52 Start: 38208, Stop: 38489, Start Num: 25

Candidate Starts for Eradicator_52:

(18, 38181), (Start: 25 @38208 has 156 MA's), (37, 38232), (55, 38247), (73, 38292), (75, 38304), (88, 38382), (91, 38394), (95, 38418), (97, 38430), (110, 38481),

Gene: Estave1_62 Start: 41132, Stop: 41410, Start Num: 25

Candidate Starts for Estave1_62:

(18, 41105), (Start: 25 @41132 has 156 MA's), (74, 41216), (76, 41225), (86, 41288), (88, 41303), (91, 41315), (95, 41339), (97, 41351), (110, 41402),

Gene: Eureka_92 Start: 57064, Stop: 57324, Start Num: 57

Candidate Starts for Eureka_92:

(Start: 57 @57064 has 123 MA's), (67, 57085), (81, 57160), (92, 57229), (104, 57295),

Gene: Evanesce_74 Start: 48849, Stop: 49157, Start Num: 20

Candidate Starts for Evanesce_74:

(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: Fancypants_61 Start: 40646, Stop: 40930, Start Num: 25

Candidate Starts for Fancypants_61:

(18, 40619), (Start: 25 @40646 has 156 MA's), (37, 40670), (55, 40685), (73, 40730), (75, 40742), (88, 40820), (91, 40832), (95, 40856), (97, 40868), (110, 40922),

Gene: Fastidio_59 Start: 38748, Stop: 39026, Start Num: 25

Candidate Starts for Fastidio_59:

(18, 38721), (Start: 25 @38748 has 156 MA's), (74, 38832), (76, 38841), (86, 38904), (88, 38919), (91, 38931), (95, 38955), (97, 38967), (110, 39018),

Gene: Fefferhead_51 Start: 37691, Stop: 37945, Start Num: 43

Candidate Starts for Fefferhead_51:

(8, 37541), (Start: 43 @37691 has 8 MA's), (75, 37757), (93, 37865), (101, 37910),

Gene: Filch_95 Start: 56349, Stop: 56609, Start Num: 57

Candidate Starts for Filch_95:

(Start: 57 @56349 has 123 MA's), (67, 56370), (81, 56445), (92, 56514), (104, 56580),

Gene: Findley_54 Start: 39552, Stop: 39785, Start Num: 47

Candidate Starts for Findley_54:

(Start: 47 @39552 has 6 MA's), (Start: 48 @39555 has 4 MA's), (52, 39561), (56, 39567), (83, 39657), (84, 39663), (95, 39726),

Gene: Finnry_79 Start: 54045, Stop: 54314, Start Num: 54

Candidate Starts for Finnry_79:

(Start: 54 @54045 has 7 MA's), (Start: 61 @54060 has 4 MA's), (91, 54195), (98, 54237), (104, 54273), (111, 54297),

Gene: FireRed_97 Start: 57367, Stop: 57627, Start Num: 57

Candidate Starts for FireRed_97:

(Start: 57 @57367 has 123 MA's), (67, 57388), (81, 57463), (92, 57532), (104, 57598),

Gene: Firehouse51_60 Start: 43530, Stop: 43814, Start Num: 25

Candidate Starts for Firehouse51_60:

(18, 43503), (Start: 25 @43530 has 156 MA's), (37, 43554), (55, 43569), (73, 43614), (75, 43626), (88, 43704), (91, 43716), (95, 43740), (97, 43752), (110, 43806),

Gene: Flypotenuse_89 Start: 55727, Stop: 55987, Start Num: 57

Candidate Starts for Flypotenuse_89:

(Start: 57 @55727 has 123 MA's), (67, 55748), (81, 55823), (92, 55892), (104, 55958),

Gene: Footloose_55 Start: 31826, Stop: 32083, Start Num: 38

Candidate Starts for Footloose_55:

(Start: 38 @31826 has 1 MA's), (44, 31838),

Gene: Forge_68 Start: 48876, Stop: 49157, Start Num: 27

Candidate Starts for Forge_68:

(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: FreddyB_60 Start: 38860, Stop: 39141, Start Num: 25

Candidate Starts for FreddyB_60:

(18, 38833), (Start: 25 @38860 has 156 MA's), (37, 38884), (55, 38899), (73, 38944), (75, 38956), (88, 39034), (91, 39046), (95, 39070), (97, 39082), (110, 39133),

Gene: Fryberger_93 Start: 47445, Stop: 47750, Start Num: 53

Candidate Starts for Fryberger_93:

(Start: 53 @47445 has 6 MA's), (70, 47478), (106, 47679), (115, 47703),

Gene: GMA3_48 Start: 45185, Stop: 44973, Start Num: 49

Candidate Starts for GMA3_48:

(Start: 49 @45185 has 1 MA's),

Gene: GUmbie_57 Start: 39435, Stop: 39716, Start Num: 25

Candidate Starts for GUmbie_57:

(18, 39408), (Start: 25 @39435 has 156 MA's), (37, 39459), (55, 39474), (73, 39519), (75, 39531), (88, 39609), (91, 39621), (95, 39645), (97, 39657), (110, 39708),

Gene: Gage_95 Start: 56798, Stop: 57058, Start Num: 57

Candidate Starts for Gage_95:

(Start: 57 @56798 has 123 MA's), (67, 56819), (81, 56894), (92, 56963), (104, 57029),

Gene: Galactic_58 Start: 39901, Stop: 40179, Start Num: 25

Candidate Starts for Galactic_58:

(18, 39874), (Start: 25 @39901 has 156 MA's), (74, 39985), (76, 39994), (86, 40057), (88, 40072), (91, 40084), (95, 40108), (97, 40120), (110, 40171),

Gene: Gancho_74 Start: 48624, Stop: 48932, Start Num: 20

Candidate Starts for Gancho_74:

(19, 48618), (Start: 20 @48624 has 20 MA's), (Start: 27 @48651 has 2 MA's), (40, 48684), (78, 48786), (102, 48924),

Gene: Gandalph_62 Start: 40257, Stop: 40538, Start Num: 25

Candidate Starts for Gandalph_62:

(18, 40230), (Start: 25 @40257 has 156 MA's), (37, 40281), (55, 40296), (73, 40341), (75, 40353), (88, 40431), (91, 40443), (95, 40467), (97, 40479), (110, 40530),

Gene: Ganymede_51 Start: 37786, Stop: 38049, Start Num: 42

Candidate Starts for Ganymede_51:

(Start: 42 @37786 has 120 MA's), (86, 37927),

Gene: Gator_91 Start: 56582, Stop: 56842, Start Num: 57

Candidate Starts for Gator_91:

(11, 56444), (Start: 57 @56582 has 123 MA's), (67, 56603), (92, 56747), (104, 56813),

Gene: Gemini_98 Start: 57174, Stop: 57434, Start Num: 57

Candidate Starts for Gemini_98:

(Start: 57 @57174 has 123 MA's), (67, 57195), (81, 57270), (92, 57339), (104, 57405),

Gene: Geraldini_53 Start: 38403, Stop: 38666, Start Num: 42

Candidate Starts for Geraldini_53:

(Start: 42 @38403 has 120 MA's), (71, 38457), (72, 38463), (86, 38544),

Gene: GigiOuiOui_55 Start: 38875, Stop: 39156, Start Num: 25

Candidate Starts for GigiOuiOui_55:

(18, 38848), (Start: 25 @38875 has 156 MA's), (37, 38899), (55, 38914), (73, 38959), (75, 38971), (86, 39034), (88, 39049), (91, 39061), (95, 39085), (97, 39097), (110, 39148),

Gene: Giles_68 Start: 48849, Stop: 49157, Start Num: 20

Candidate Starts for Giles_68:

(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: Girr_57 Start: 39742, Stop: 40020, Start Num: 25

Candidate Starts for Girr_57:

(18, 39715), (Start: 25 @39742 has 156 MA's), (74, 39826), (76, 39835), (86, 39898), (88, 39913), (91, 39925), (95, 39949), (97, 39961), (110, 40012),

Gene: Glexan_92 Start: 56857, Stop: 57117, Start Num: 57

Candidate Starts for Glexan_92:

(Start: 57 @56857 has 123 MA's), (67, 56878), (81, 56953), (92, 57022), (104, 57088),

Gene: Gmala1_46 Start: 43387, Stop: 43169, Start Num: 49

Candidate Starts for Gmala1_46:

(Start: 49 @43387 has 1 MA's), (69, 43348), (75, 43318), (80, 43288),

Gene: Goku_92 Start: 56793, Stop: 57053, Start Num: 57

Candidate Starts for Goku_92:

(Start: 57 @56793 has 123 MA's), (67, 56814), (81, 56889), (92, 56958), (104, 57024),

Gene: GoldenSpark_97 Start: 56657, Stop: 56917, Start Num: 57

Candidate Starts for GoldenSpark_97:

(Start: 57 @56657 has 123 MA's), (67, 56678), (81, 56753), (92, 56822), (104, 56888),

Gene: Goldilocks_96 Start: 56015, Stop: 56275, Start Num: 57

Candidate Starts for Goldilocks_96:

(Start: 57 @56015 has 123 MA's), (67, 56036), (81, 56111), (92, 56180), (104, 56246),

Gene: GooberAzure_96 Start: 56657, Stop: 56917, Start Num: 57

Candidate Starts for GooberAzure_96:

(Start: 57 @56657 has 123 MA's), (67, 56678), (81, 56753), (92, 56822), (104, 56888),

Gene: GordDuk1_47 Start: 43538, Stop: 43320, Start Num: 49

Candidate Starts for GordDuk1_47:

(Start: 49 @43538 has 1 MA's), (69, 43499), (75, 43469), (80, 43439),

Gene: GordTnk2_48 Start: 43692, Stop: 43468, Start Num: 49

Candidate Starts for GordTnk2_48:

(Start: 49 @43692 has 1 MA's), (69, 43653), (80, 43593),

Gene: Gorge_63 Start: 41377, Stop: 41658, Start Num: 25

Candidate Starts for Gorge_63:

(18, 41350), (Start: 25 @41377 has 156 MA's), (37, 41401), (55, 41416), (73, 41461), (75, 41473), (88, 41551), (91, 41563), (95, 41587), (97, 41599), (110, 41650),

Gene: Gravaillia_69 Start: 48905, Stop: 49213, Start Num: 20
Candidate Starts for Gravaillia_69:
(19, 48899), (Start: 20 @48905 has 20 MA's), (Start: 27 @48932 has 2 MA's), (40, 48965), (78, 49067), (83, 49094), (102, 49205),

Gene: Guanica15_53 Start: 37156, Stop: 37407, Start Num: 46
Candidate Starts for Guanica15_53:
(Start: 42 @37144 has 120 MA's), (Start: 46 @37156 has 2 MA's), (83, 37267), (86, 37285),

Gene: Guey18_98 Start: 48765, Stop: 49070, Start Num: 53
Candidate Starts for Guey18_98:
(Start: 53 @48765 has 6 MA's), (70, 48798), (106, 48999), (115, 49023),

Gene: HH92_74 Start: 48849, Stop: 49157, Start Num: 20
Candidate Starts for HH92_74:
(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: Hades_60 Start: 40833, Stop: 41114, Start Num: 25
Candidate Starts for Hades_60:
(18, 40806), (Start: 25 @40833 has 156 MA's), (37, 40857), (55, 40872), (73, 40917), (75, 40929), (88, 41007), (91, 41019), (95, 41043), (97, 41055), (110, 41106),

Gene: Hadrien_72 Start: 48849, Stop: 49157, Start Num: 20
Candidate Starts for Hadrien_72:
(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: Hail_68 Start: 48849, Stop: 49157, Start Num: 20
Candidate Starts for Hail_68:
(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: Hammy_53 Start: 38432, Stop: 38686, Start Num: 43
Candidate Starts for Hammy_53:
(3, 38114), (5, 38183), (8, 38279), (Start: 43 @38432 has 8 MA's), (75, 38498), (86, 38561), (93, 38606),

Gene: HanKaySha_94 Start: 56224, Stop: 56484, Start Num: 57
Candidate Starts for HanKaySha_94:
(Start: 57 @56224 has 123 MA's), (67, 56245), (81, 56320), (92, 56389), (104, 56455),

Gene: Harella_93 Start: 57373, Stop: 57633, Start Num: 57
Candidate Starts for Harella_93:
(Start: 57 @57373 has 123 MA's), (67, 57394), (81, 57469), (92, 57538), (104, 57604),

Gene: HedwigODU_50 Start: 37356, Stop: 37619, Start Num: 42
Candidate Starts for HedwigODU_50:
(Start: 42 @37356 has 120 MA's), (86, 37497),

Gene: Hegedechwinu_59 Start: 39047, Stop: 39328, Start Num: 25
Candidate Starts for Hegedechwinu_59:

(Start: 25 @39047 has 156 MA's), (37, 39071), (55, 39086), (73, 39131), (75, 39143), (88, 39221), (91, 39233), (95, 39257), (97, 39269), (110, 39320),

Gene: Henry_91 Start: 56534, Stop: 56794, Start Num: 57

Candidate Starts for Henry_91:

(Start: 57 @56534 has 123 MA's), (67, 56555), (81, 56630), (92, 56699), (104, 56765),

Gene: Highbury_92 Start: 56224, Stop: 56484, Start Num: 57

Candidate Starts for Highbury_92:

(Start: 57 @56224 has 123 MA's), (67, 56245), (81, 56320), (92, 56389), (104, 56455),

Gene: Hlubikazi_55 Start: 38053, Stop: 38334, Start Num: 25

Candidate Starts for Hlubikazi_55:

(18, 38026), (Start: 25 @38053 has 156 MA's), (37, 38077), (55, 38092), (73, 38137), (75, 38149), (88, 38227), (91, 38239), (95, 38263), (97, 38275), (110, 38326),

Gene: Hollow_40 Start: 44620, Stop: 44420, Start Num: 64

Candidate Starts for Hollow_40:

(Start: 64 @44620 has 13 MA's),

Gene: Holt_98 Start: 57071, Stop: 57331, Start Num: 57

Candidate Starts for Holt_98:

(Start: 57 @57071 has 123 MA's), (67, 57092), (81, 57167), (92, 57236), (104, 57302),

Gene: Homura_50 Start: 37471, Stop: 37734, Start Num: 42

Candidate Starts for Homura_50:

(Start: 42 @37471 has 120 MA's), (86, 37612),

Gene: Hoonter_96 Start: 56529, Stop: 56789, Start Num: 57

Candidate Starts for Hoonter_96:

(Start: 57 @56529 has 123 MA's), (67, 56550), (81, 56625), (92, 56694), (104, 56760),

Gene: Hokey_94 Start: 57035, Stop: 57295, Start Num: 57

Candidate Starts for Hokey_94:

(Start: 57 @57035 has 123 MA's), (67, 57056), (81, 57131), (92, 57200), (104, 57266),

Gene: HufflyPuff_95 Start: 57119, Stop: 57379, Start Num: 57

Candidate Starts for HufflyPuff_95:

(Start: 57 @57119 has 123 MA's), (67, 57140), (81, 57215), (92, 57284), (104, 57350),

Gene: Hurricane_53 Start: 37919, Stop: 38188, Start Num: 36

Candidate Starts for Hurricane_53:

(5, 37679), (10, 37823), (Start: 36 @37919 has 8 MA's), (Start: 49 @37943 has 1 MA's), (86, 38063), (95, 38117),

Gene: Hyperbowlee_50 Start: 37668, Stop: 37931, Start Num: 42

Candidate Starts for Hyperbowlee_50:

(Start: 42 @37668 has 120 MA's), (86, 37809),

Gene: IHOP_91 Start: 56697, Stop: 56957, Start Num: 57

Candidate Starts for IHOP_91:

(Start: 57 @56697 has 123 MA's), (67, 56718), (81, 56793), (92, 56862), (104, 56928),

Gene: lbOuu_60 Start: 40412, Stop: 40696, Start Num: 25

Candidate Starts for lbOuu_60:

(Start: 25 @40412 has 156 MA's), (37, 40436), (55, 40451), (73, 40496), (75, 40508), (88, 40586), (91, 40598), (95, 40622), (97, 40634), (110, 40688),

Gene: lbhubesi_59 Start: 40025, Stop: 40303, Start Num: 25

Candidate Starts for lbhubesi_59:

(18, 39998), (Start: 25 @40025 has 156 MA's), (74, 40109), (76, 40118), (88, 40196), (91, 40208), (95, 40232), (97, 40244), (110, 40295),

Gene: Ibrahim_41 Start: 31892, Stop: 32149, Start Num: 42

Candidate Starts for Ibrahim_41:

(4, 31616), (6, 31637), (Start: 42 @31892 has 120 MA's), (75, 31976), (91, 32066),

Gene: lcee_94 Start: 56184, Stop: 56444, Start Num: 57

Candidate Starts for lcee_94:

(Start: 57 @56184 has 123 MA's), (67, 56205), (81, 56280), (92, 56349), (104, 56415),

Gene: IdentityCrisis_42 Start: 29075, Stop: 29332, Start Num: 59

Candidate Starts for IdentityCrisis_42:

(Start: 59 @29075 has 1 MA's), (65, 29090), (77, 29150), (82, 29168),

Gene: Ididsumtinwong_41 Start: 27555, Stop: 27854, Start Num: 50

Candidate Starts for Ididsumtinwong_41:

(4, 27267), (7, 27312), (22, 27486), (Start: 50 @27555 has 4 MA's), (91, 27717),

Gene: Illumine_53 Start: 38105, Stop: 38368, Start Num: 42

Candidate Starts for Illumine_53:

(5, 37853), (Start: 42 @38105 has 120 MA's), (71, 38159), (86, 38246),

Gene: Inca_90 Start: 55186, Stop: 55446, Start Num: 57

Candidate Starts for Inca_90:

(Start: 57 @55186 has 123 MA's), (67, 55207), (81, 55282), (92, 55351), (104, 55417),

Gene: Inky_50 Start: 37471, Stop: 37734, Start Num: 42

Candidate Starts for Inky_50:

(Start: 42 @37471 has 120 MA's), (86, 37612),

Gene: Inventum_54 Start: 39529, Stop: 39807, Start Num: 25

Candidate Starts for Inventum_54:

(18, 39502), (Start: 25 @39529 has 156 MA's), (74, 39613), (76, 39622), (86, 39685), (88, 39700), (91, 39712), (95, 39736), (97, 39748), (110, 39799),

Gene: IrishSherpFalk_60 Start: 41690, Stop: 41971, Start Num: 25

Candidate Starts for IrishSherpFalk_60:

(18, 41663), (Start: 25 @41690 has 156 MA's), (37, 41714), (55, 41729), (73, 41774), (75, 41786), (88, 41864), (91, 41876), (95, 41900), (97, 41912), (110, 41963),

Gene: JAWS_50 Start: 37345, Stop: 37608, Start Num: 42

Candidate Starts for JAWS_50:

(Start: 42 @37345 has 120 MA's), (86, 37486),

Gene: Jabbawokkie_73 Start: 41755, Stop: 42039, Start Num: 25

Candidate Starts for Jabbawokkie_73:

(18, 41728), (Start: 25 @41755 has 156 MA's), (37, 41779), (55, 41794), (73, 41839), (75, 41851), (88, 41929), (91, 41941), (95, 41965), (97, 41977), (110, 42031),

Gene: James_63 Start: 41502, Stop: 41783, Start Num: 25

Candidate Starts for James_63:

(18, 41475), (Start: 25 @41502 has 156 MA's), (37, 41526), (55, 41541), (73, 41586), (75, 41598), (88, 41676), (91, 41688), (95, 41712), (97, 41724), (110, 41775),

Gene: Jarcob_59 Start: 39980, Stop: 40264, Start Num: 25

Candidate Starts for Jarcob_59:

(18, 39953), (Start: 25 @39980 has 156 MA's), (37, 40004), (55, 40019), (73, 40064), (75, 40076), (88, 40154), (91, 40166), (95, 40190), (97, 40202), (110, 40256),

Gene: Jarvi_50 Start: 37471, Stop: 37734, Start Num: 42

Candidate Starts for Jarvi_50:

(Start: 42 @37471 has 120 MA's), (86, 37612),

Gene: Jayhawk_51 Start: 37354, Stop: 37617, Start Num: 42

Candidate Starts for Jayhawk_51:

(Start: 42 @37354 has 120 MA's), (86, 37495),

Gene: JeTaime_94 Start: 57387, Stop: 57647, Start Num: 57

Candidate Starts for JeTaime_94:

(Start: 57 @57387 has 123 MA's), (67, 57408), (81, 57483), (92, 57552), (104, 57618),

Gene: Jeckyll_50 Start: 37471, Stop: 37734, Start Num: 42

Candidate Starts for Jeckyll_50:

(Start: 42 @37471 has 120 MA's), (86, 37612),

Gene: Jinglebell_64 Start: 42540, Stop: 42818, Start Num: 25

Candidate Starts for Jinglebell_64:

(18, 42513), (Start: 25 @42540 has 156 MA's), (74, 42624), (76, 42633), (86, 42696), (88, 42711), (91, 42723), (95, 42747), (97, 42759), (110, 42810),

Gene: Job42_61 Start: 41920, Stop: 42201, Start Num: 25

Candidate Starts for Job42_61:

(18, 41893), (Start: 25 @41920 has 156 MA's), (74, 42004), (76, 42013), (86, 42076), (88, 42091), (91, 42103), (95, 42127), (97, 42139), (110, 42193),

Gene: Jobypre_80 Start: 53794, Stop: 54063, Start Num: 54

Candidate Starts for Jobypre_80:

(Start: 54 @53794 has 7 MA's), (Start: 61 @53809 has 4 MA's), (91, 53944), (98, 53986), (104, 54022), (111, 54046),

Gene: JoeyJr_54 Start: 38435, Stop: 38713, Start Num: 25

Candidate Starts for JoeyJr_54:

(18, 38408), (Start: 25 @38435 has 156 MA's), (74, 38519), (76, 38528), (86, 38591), (88, 38606), (91, 38618), (95, 38642), (97, 38654), (110, 38705),

Gene: Journey_43 Start: 30217, Stop: 30516, Start Num: 32

Candidate Starts for Journey_43:

(Start: 32 @30217 has 6 MA's), (Start: 43 @30235 has 8 MA's), (Start: 61 @30271 has 4 MA's), (Start: 68 @30286 has 1 MA's), (86, 30382), (95, 30433), (100, 30469), (107, 30502), (110, 30508),

Gene: Joy99_50 Start: 37400, Stop: 37663, Start Num: 42

Candidate Starts for Joy99_50:

(Start: 42 @37400 has 120 MA's), (86, 37541),

Gene: Jubie_78 Start: 53929, Stop: 54198, Start Num: 54

Candidate Starts for Jubie_78:

(Start: 54 @53929 has 7 MA's), (Start: 61 @53944 has 4 MA's), (91, 54079), (98, 54121), (104, 54157), (111, 54181),

Gene: Jumbo_47 Start: 48027, Stop: 47818, Start Num: 49

Candidate Starts for Jumbo_47:

(Start: 49 @48027 has 1 MA's),

Gene: Kanye_90 Start: 56281, Stop: 56541, Start Num: 57

Candidate Starts for Kanye_90:

(Start: 57 @56281 has 123 MA's), (67, 56302), (81, 56377), (92, 56446), (104, 56512),

Gene: Karhdo_56 Start: 39525, Stop: 39809, Start Num: 25

Candidate Starts for Karhdo_56:

(18, 39498), (Start: 25 @39525 has 156 MA's), (37, 39549), (55, 39564), (73, 39609), (75, 39621), (88, 39699), (91, 39711), (95, 39735), (97, 39747), (110, 39801),

Gene: Katyusha_39 Start: 44274, Stop: 44074, Start Num: 64

Candidate Starts for Katyusha_39:

(Start: 64 @44274 has 13 MA's),

Gene: Keelan_94 Start: 48287, Stop: 48550, Start Num: 53

Candidate Starts for Keelan_94:

(Start: 53 @48287 has 6 MA's), (77, 48365), (86, 48419), (114, 48542),

Gene: Kersh_61 Start: 42278, Stop: 42559, Start Num: 25

Candidate Starts for Kersh_61:

(18, 42251), (Start: 25 @42278 has 156 MA's), (37, 42302), (55, 42317), (73, 42362), (75, 42374), (95, 42488), (97, 42500), (110, 42551),

Gene: Keshu_55 Start: 37986, Stop: 38255, Start Num: 36

Candidate Starts for Keshu_55:

(5, 37746), (Start: 36 @37986 has 8 MA's), (Start: 49 @38010 has 1 MA's), (86, 38130), (95, 38184),

Gene: KiSi_55 Start: 38687, Stop: 38956, Start Num: 45

Candidate Starts for KiSi_55:

(Start: 42 @38681 has 120 MA's), (Start: 45 @38687 has 2 MA's), (71, 38729), (75, 38753), (93, 38861), (113, 38945),

Gene: Kimberlium_62 Start: 41811, Stop: 42092, Start Num: 25

Candidate Starts for Kimberlium_62:

(16, 41775), (Start: 25 @41811 has 156 MA's), (37, 41835), (73, 41892), (75, 41904), (88, 41982), (91, 41994), (95, 42018), (97, 42030), (110, 42084),

Gene: Kimchi_97 Start: 56801, Stop: 57061, Start Num: 57

Candidate Starts for Kimchi_97:

(Start: 57 @56801 has 123 MA's), (67, 56822), (81, 56897), (92, 56966), (104, 57032),

Gene: Kinbote_73 Start: 48849, Stop: 49157, Start Num: 20

Candidate Starts for Kinbote_73:

(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: KingMidas_58 Start: 40097, Stop: 40375, Start Num: 25

Candidate Starts for KingMidas_58:

(18, 40070), (Start: 25 @40097 has 156 MA's), (74, 40181), (76, 40190), (86, 40253), (88, 40268), (91, 40280), (95, 40304), (97, 40316), (110, 40367),

Gene: Kingsolomon_77 Start: 53801, Stop: 54070, Start Num: 54

Candidate Starts for Kingsolomon_77:

(Start: 54 @53801 has 7 MA's), (Start: 61 @53816 has 4 MA's), (91, 53951), (98, 53993), (104, 54029), (111, 54053),

Gene: Koella_53 Start: 35910, Stop: 36194, Start Num: 25

Candidate Starts for Koella_53:

(18, 35883), (Start: 25 @35910 has 156 MA's), (37, 35934), (55, 35949), (73, 35994), (75, 36006), (88, 36084), (91, 36096), (95, 36120), (97, 36132), (110, 36186),

Gene: Kostya_93 Start: 56799, Stop: 57059, Start Num: 57

Candidate Starts for Kostya_93:

(Start: 57 @56799 has 123 MA's), (67, 56820), (81, 56895), (92, 56964), (104, 57030),

Gene: KristaRAM_62 Start: 42482, Stop: 42763, Start Num: 25

Candidate Starts for KristaRAM_62:

(18, 42455), (Start: 25 @42482 has 156 MA's), (37, 42506), (55, 42521), (73, 42566), (75, 42578), (88, 42656), (91, 42668), (95, 42692), (97, 42704), (110, 42755),

Gene: Krueger_57 Start: 38145, Stop: 38396, Start Num: 42

Candidate Starts for Krueger_57:

(Start: 42 @38145 has 120 MA's), (Start: 45 @38151 has 2 MA's), (83, 38265), (84, 38271), (86, 38283),

Gene: Kvothe_39 Start: 44173, Stop: 43973, Start Num: 64

Candidate Starts for Kvothe_39:

(Start: 64 @44173 has 13 MA's),

Gene: LastHope_53 Start: 36640, Stop: 36891, Start Num: 46

Candidate Starts for LastHope_53:

(Start: 42 @36628 has 120 MA's), (Start: 46 @36640 has 2 MA's), (71, 36682), (83, 36751), (86, 36769),

Gene: LastJedi_53 Start: 37230, Stop: 37511, Start Num: 25

Candidate Starts for LastJedi_53:

(18, 37203), (Start: 25 @37230 has 156 MA's), (37, 37254), (55, 37269), (73, 37314), (75, 37326), (88, 37404), (91, 37416), (95, 37440), (97, 37452), (110, 37503),

Gene: LaterM_51 Start: 38233, Stop: 38496, Start Num: 42

Candidate Starts for LaterM_51:

(Start: 42 @38233 has 120 MA's), (71, 38287), (86, 38374),

Gene: Latretium_61 Start: 40556, Stop: 40837, Start Num: 25

Candidate Starts for Latretium_61:

(18, 40529), (Start: 25 @40556 has 156 MA's), (37, 40580), (55, 40595), (73, 40640), (75, 40652), (88, 40730), (91, 40742), (95, 40766), (97, 40778), (110, 40829),

Gene: LeMond_55 Start: 38671, Stop: 38940, Start Num: 45

Candidate Starts for LeMond_55:

(Start: 42 @38665 has 120 MA's), (Start: 45 @38671 has 2 MA's), (71, 38713), (75, 38737), (93, 38845), (113, 38929),

Gene: Leozinho_58 Start: 39315, Stop: 39593, Start Num: 25

Candidate Starts for Leozinho_58:

(18, 39288), (Start: 25 @39315 has 156 MA's), (74, 39399), (76, 39408), (86, 39471), (88, 39486), (91, 39498), (95, 39522), (97, 39534), (110, 39585),

Gene: Leperchaun_51 Start: 37665, Stop: 37943, Start Num: 25

Candidate Starts for Leperchaun_51:

(18, 37638), (Start: 25 @37665 has 156 MA's), (74, 37749), (76, 37758), (86, 37821), (88, 37836), (91, 37848), (95, 37872), (97, 37884), (110, 37935),

Gene: LilHazelnut_75 Start: 48849, Stop: 49157, Start Num: 20

Candidate Starts for LilHazelnut_75:

(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: LilMoolah_57 Start: 39425, Stop: 39706, Start Num: 25

Candidate Starts for LilMoolah_57:

(18, 39398), (Start: 25 @39425 has 156 MA's), (74, 39509), (76, 39518), (86, 39581), (88, 39596), (91, 39608), (95, 39632), (97, 39644), (110, 39698),

Gene: LilPharaoh_46 Start: 36768, Stop: 37037, Start Num: 42

Candidate Starts for LilPharaoh_46:

(Start: 42 @36768 has 120 MA's), (79, 36864), (89, 36924), (90, 36930), (91, 36933), (95, 36960), (97, 36972), (108, 37026),

Gene: Lilac_96 Start: 56626, Stop: 56886, Start Num: 57

Candidate Starts for Lilac_96:

(Start: 57 @56626 has 123 MA's), (67, 56647), (81, 56722), (92, 56791), (104, 56857),

Gene: Lilizi_94 Start: 56263, Stop: 56523, Start Num: 57

Candidate Starts for Lilizi_94:

(Start: 57 @56263 has 123 MA's), (67, 56284), (81, 56359), (92, 56428), (104, 56494),

Gene: Lilpickle_92 Start: 56151, Stop: 56411, Start Num: 57

Candidate Starts for Lilpickle_92:

(Start: 57 @56151 has 123 MA's), (67, 56172), (81, 56247), (92, 56316), (104, 56382),

Gene: LindNT_49 Start: 37556, Stop: 37819, Start Num: 42

Candidate Starts for LindNT_49:

(Start: 42 @37556 has 120 MA's), (71, 37610), (86, 37697),

Gene: LittleShirley_58 Start: 40469, Stop: 40753, Start Num: 25

Candidate Starts for LittleShirley_58:

(18, 40442), (Start: 25 @40469 has 156 MA's), (37, 40493), (55, 40508), (73, 40553), (75, 40565), (88, 40643), (91, 40655), (95, 40679), (97, 40691), (110, 40745),

Gene: Lizziana_65 Start: 40983, Stop: 41264, Start Num: 25

Candidate Starts for Lizziana_65:

(18, 40956), (Start: 25 @40983 has 156 MA's), (37, 41007), (55, 41022), (73, 41067), (75, 41079), (88, 41157), (91, 41169), (95, 41193), (97, 41205), (110, 41256),

Gene: Llama_64 Start: 42394, Stop: 42672, Start Num: 25

Candidate Starts for Llama_64:

(18, 42367), (Start: 25 @42394 has 156 MA's), (74, 42478), (76, 42487), (86, 42550), (88, 42565), (91, 42577), (95, 42601), (97, 42613), (110, 42664),

Gene: Llij_55 Start: 38833, Stop: 39117, Start Num: 25

Candidate Starts for Llij_55:

(18, 38806), (Start: 25 @38833 has 156 MA's), (37, 38857), (55, 38872), (73, 38917), (75, 38929), (88, 39007), (91, 39019), (95, 39043), (97, 39055), (110, 39109),

Gene: Llorens_50 Start: 37471, Stop: 37734, Start Num: 42

Candidate Starts for Llorens_50:

(Start: 42 @37471 has 120 MA's), (86, 37612),

Gene: Lorde_59 Start: 38120, Stop: 38404, Start Num: 25

Candidate Starts for Lorde_59:

(18, 38093), (Start: 25 @38120 has 156 MA's), (37, 38144), (55, 38159), (73, 38204), (75, 38216), (88, 38294), (91, 38306), (95, 38330), (97, 38342), (110, 38396),

Gene: Luke_72 Start: 48804, Stop: 49112, Start Num: 20

Candidate Starts for Luke_72:

(19, 48798), (Start: 20 @48804 has 20 MA's), (Start: 27 @48831 has 2 MA's), (40, 48864), (78, 48966), (83, 48993), (102, 49104),

Gene: Luna22_68 Start: 48833, Stop: 49141, Start Num: 20

Candidate Starts for Luna22_68:

(19, 48827), (Start: 20 @48833 has 20 MA's), (Start: 27 @48860 has 2 MA's), (40, 48893), (78, 48995), (83, 49022), (102, 49133),

Gene: LunaBlu_61 Start: 40560, Stop: 40838, Start Num: 25

Candidate Starts for LunaBlu_61:

(18, 40533), (Start: 25 @40560 has 156 MA's), (74, 40644), (76, 40653), (86, 40716), (88, 40731), (91, 40743), (95, 40767), (97, 40779), (110, 40830),

Gene: LunaStella_58 Start: 39407, Stop: 39685, Start Num: 25

Candidate Starts for LunaStella_58:

(14, 39371), (Start: 25 @39407 has 156 MA's), (Start: 31 @39416 has 1 MA's), (71, 39473), (74, 39491), (76, 39500), (86, 39563), (88, 39578), (91, 39590), (95, 39614), (97, 39626), (110, 39677),

Gene: Lunahalos_50 Start: 37471, Stop: 37734, Start Num: 42

Candidate Starts for Lunahalos_50:

(Start: 42 @37471 has 120 MA's), (86, 37612),

Gene: MISSy_94 Start: 56379, Stop: 56639, Start Num: 57
Candidate Starts for MISSy_94:
(Start: 57 @56379 has 123 MA's), (67, 56400), (81, 56475), (92, 56544), (104, 56610),

Gene: MPhalcon_94 Start: 56372, Stop: 56632, Start Num: 57
Candidate Starts for MPhalcon_94:
(Start: 57 @56372 has 123 MA's), (67, 56393), (81, 56468), (92, 56537), (104, 56603),

Gene: MacnCheese_55 Start: 38928, Stop: 39194, Start Num: 36
Candidate Starts for MacnCheese_55:
(5, 38688), (Start: 36 @38928 has 8 MA's), (Start: 49 @38949 has 1 MA's), (Start: 57 @38955 has 123 MA's), (86, 39069), (93, 39114), (95, 39123),

Gene: MadMen_57 Start: 39757, Stop: 40041, Start Num: 25
Candidate Starts for MadMen_57:
(18, 39730), (Start: 25 @39757 has 156 MA's), (37, 39781), (55, 39796), (73, 39841), (75, 39853), (88, 39931), (91, 39943), (95, 39967), (97, 39979), (110, 40033),

Gene: MadamMonkfish_93 Start: 55878, Stop: 56138, Start Num: 57
Candidate Starts for MadamMonkfish_93:
(Start: 57 @55878 has 123 MA's), (67, 55899), (81, 55974), (92, 56043), (104, 56109),

Gene: Madiba_57 Start: 39006, Stop: 39290, Start Num: 25
Candidate Starts for Madiba_57:
(18, 38979), (Start: 25 @39006 has 156 MA's), (37, 39030), (55, 39045), (73, 39090), (75, 39102), (88, 39180), (91, 39192), (95, 39216), (97, 39228), (110, 39282),

Gene: Mahavrat_57 Start: 39385, Stop: 39666, Start Num: 25
Candidate Starts for Mahavrat_57:
(18, 39358), (Start: 25 @39385 has 156 MA's), (37, 39409), (55, 39424), (73, 39469), (75, 39481), (88, 39559), (91, 39571), (95, 39595), (97, 39607), (110, 39658),

Gene: Manda_95 Start: 57955, Stop: 58215, Start Num: 57
Candidate Starts for Manda_95:
(Start: 57 @57955 has 123 MA's), (67, 57976), (81, 58051), (92, 58120), (104, 58186),

Gene: Mandlovu_55 Start: 37995, Stop: 38276, Start Num: 25
Candidate Starts for Mandlovu_55:
(18, 37968), (Start: 25 @37995 has 156 MA's), (37, 38019), (55, 38034), (73, 38079), (75, 38091), (88, 38169), (91, 38181), (95, 38205), (97, 38217), (110, 38268),

Gene: Maravista_60 Start: 41432, Stop: 41713, Start Num: 25
Candidate Starts for Maravista_60:
(18, 41405), (Start: 25 @41432 has 156 MA's), (37, 41456), (55, 41471), (73, 41516), (75, 41528), (88, 41606), (91, 41618), (95, 41642), (97, 41654), (110, 41705),

Gene: Marcoliusprime_54 Start: 39559, Stop: 39792, Start Num: 47
Candidate Starts for Marcoliusprime_54:
(Start: 47 @39559 has 6 MA's), (Start: 48 @39562 has 4 MA's), (52, 39568), (56, 39574), (83, 39664), (84, 39670), (95, 39733),

Gene: MarkPhew_54 Start: 38124, Stop: 38393, Start Num: 42
Candidate Starts for MarkPhew_54:

(Start: 42 @38124 has 120 MA's), (63, 38151), (71, 38166), (75, 38190), (93, 38298), (113, 38382),

Gene: Marker_61 Start: 40100, Stop: 40384, Start Num: 25

Candidate Starts for Marker_61:

(18, 40073), (Start: 25 @40100 has 156 MA's), (37, 40124), (55, 40139), (73, 40184), (75, 40196), (88, 40274), (91, 40286), (95, 40310), (97, 40322), (110, 40376),

Gene: Marshawn_53 Start: 38262, Stop: 38522, Start Num: 42

Candidate Starts for Marshawn_53:

(3, 37941), (5, 38010), (8, 38106), (Start: 42 @38262 has 120 MA's), (72, 38319), (91, 38427), (101, 38490),

Gene: Marshmallow_91 Start: 57427, Stop: 57687, Start Num: 57

Candidate Starts for Marshmallow_91:

(Start: 57 @57427 has 123 MA's), (67, 57448), (81, 57523), (92, 57592), (104, 57658),

Gene: Martik_59 Start: 39936, Stop: 40217, Start Num: 25

Candidate Starts for Martik_59:

(18, 39909), (Start: 25 @39936 has 156 MA's), (37, 39960), (55, 39975), (73, 40020), (75, 40032), (88, 40110), (91, 40122), (95, 40146), (97, 40158), (110, 40209),

Gene: Mattes_63 Start: 41502, Stop: 41783, Start Num: 25

Candidate Starts for Mattes_63:

(18, 41475), (Start: 25 @41502 has 156 MA's), (37, 41526), (55, 41541), (73, 41586), (75, 41598), (88, 41676), (91, 41688), (95, 41712), (97, 41724), (110, 41775),

Gene: Maxxinista_96 Start: 56793, Stop: 57053, Start Num: 57

Candidate Starts for Maxxinista_96:

(Start: 57 @56793 has 123 MA's), (67, 56814), (81, 56889), (92, 56958), (104, 57024),

Gene: Mbo2_39 Start: 36317, Stop: 36114, Start Num: 69

Candidate Starts for Mbo2_39:

(69, 36317),

Gene: McMater_53 Start: 38285, Stop: 38548, Start Num: 42

Candidate Starts for McMater_53:

(1, 37805), (3, 37961), (5, 38030), (Start: 42 @38285 has 120 MA's), (81, 38387), (83, 38405), (86, 38423), (95, 38477), (101, 38513), (108, 38537),

Gene: Mdavu_47 Start: 37029, Stop: 37298, Start Num: 42

Candidate Starts for Mdavu_47:

(Start: 42 @37029 has 120 MA's), (79, 37125), (89, 37185), (90, 37191), (91, 37194), (95, 37221), (97, 37233), (108, 37287),

Gene: MeaningOfLife_51 Start: 38280, Stop: 38543, Start Num: 42

Candidate Starts for MeaningOfLife_51:

(Start: 42 @38280 has 120 MA's), (86, 38421),

Gene: Megsy_52 Start: 37615, Stop: 37878, Start Num: 42

Candidate Starts for Megsy_52:

(Start: 42 @37615 has 120 MA's), (71, 37669), (86, 37756),

Gene: Mendokysei_39 Start: 30983, Stop: 31297, Start Num: 42

Candidate Starts for Mendokysei_39:
(Start: 42 @30983 has 120 MA's), (51, 30998), (71, 31037),

Gene: Milly_54 Start: 39532, Stop: 39765, Start Num: 47
Candidate Starts for Milly_54:
(Start: 47 @39532 has 6 MA's), (Start: 48 @39535 has 4 MA's), (52, 39541), (56, 39547), (83, 39637),
(84, 39643), (95, 39706),

Gene: Mindy_92 Start: 55700, Stop: 55960, Start Num: 57
Candidate Starts for Mindy_92:
(Start: 57 @55700 has 123 MA's), (67, 55721), (81, 55796), (92, 55865), (104, 55931),

Gene: MinionDave_58 Start: 40283, Stop: 40564, Start Num: 25
Candidate Starts for MinionDave_58:
(Start: 25 @40283 has 156 MA's), (37, 40307), (55, 40322), (73, 40367), (75, 40379), (88, 40457), (91,
40469), (95, 40493), (97, 40505), (110, 40556),

Gene: Miniwave_88 Start: 56195, Stop: 56455, Start Num: 57
Candidate Starts for Miniwave_88:
(Start: 57 @56195 has 123 MA's), (67, 56216), (81, 56291), (92, 56360), (104, 56426),

Gene: Misfit_94 Start: 57669, Stop: 57929, Start Num: 57
Candidate Starts for Misfit_94:
(Start: 57 @57669 has 123 MA's), (67, 57690), (81, 57765), (92, 57834), (104, 57900),

Gene: MisterCuddles_57 Start: 39742, Stop: 40020, Start Num: 25
Candidate Starts for MisterCuddles_57:
(18, 39715), (Start: 25 @39742 has 156 MA's), (74, 39826), (76, 39835), (86, 39898), (88, 39913), (91,
39925), (95, 39949), (97, 39961), (110, 40012),

Gene: Modragons_63 Start: 42384, Stop: 42662, Start Num: 25
Candidate Starts for Modragons_63:
(18, 42357), (Start: 25 @42384 has 156 MA's), (74, 42468), (76, 42477), (86, 42540), (88, 42555), (91,
42567), (95, 42591), (97, 42603), (110, 42654),

Gene: Moldemort_96 Start: 56336, Stop: 56596, Start Num: 57
Candidate Starts for Moldemort_96:
(Start: 57 @56336 has 123 MA's), (67, 56357), (81, 56432), (92, 56501), (104, 56567),

Gene: Moostard_77 Start: 53811, Stop: 54065, Start Num: 61
Candidate Starts for Moostard_77:
(Start: 54 @53796 has 7 MA's), (Start: 61 @53811 has 4 MA's), (91, 53946), (98, 53988), (104,
54024), (111, 54048),

Gene: Morrill_7 Start: 5168, Stop: 4911, Start Num: 64
Candidate Starts for Morrill_7:
(33, 5228), (Start: 64 @5168 has 13 MA's), (80, 5096), (86, 5054), (99, 4979), (109, 4934),

Gene: Mosby_89 Start: 55952, Stop: 56212, Start Num: 57
Candidate Starts for Mosby_89:
(Start: 57 @55952 has 123 MA's), (67, 55973), (81, 56048), (92, 56117), (104, 56183),

Gene: Mova_60 Start: 39510, Stop: 39794, Start Num: 25

Candidate Starts for Mova_60:

(18, 39483), (Start: 25 @39510 has 156 MA's), (37, 39534), (55, 39549), (73, 39594), (75, 39606), (88, 39684), (91, 39696), (95, 39720), (97, 39732), (110, 39786),

Gene: Mozy_68 Start: 42517, Stop: 42798, Start Num: 25

Candidate Starts for Mozy_68:

(18, 42490), (Start: 25 @42517 has 156 MA's), (37, 42541), (55, 42556), (73, 42601), (75, 42613), (88, 42691), (91, 42703), (95, 42727), (97, 42739), (110, 42790),

Gene: MsGreen_79 Start: 53793, Stop: 54062, Start Num: 54

Candidate Starts for MsGreen_79:

(Start: 54 @53793 has 7 MA's), (Start: 61 @53808 has 4 MA's), (91, 53943), (98, 53985), (104, 54021), (111, 54045),

Gene: Mufasa_54 Start: 39116, Stop: 39349, Start Num: 48

Candidate Starts for Mufasa_54:

(Start: 47 @39113 has 6 MA's), (Start: 48 @39116 has 4 MA's), (52, 39122), (56, 39128), (83, 39218), (84, 39224), (95, 39287), (108, 39338),

Gene: MulchExplorer_66 Start: 41810, Stop: 42091, Start Num: 25

Candidate Starts for MulchExplorer_66:

(16, 41774), (Start: 25 @41810 has 156 MA's), (37, 41834), (73, 41891), (75, 41903), (88, 41981), (91, 41993), (95, 42017), (97, 42029), (110, 42083),

Gene: Murica_96 Start: 57595, Stop: 57855, Start Num: 57

Candidate Starts for Murica_96:

(Start: 57 @57595 has 123 MA's), (67, 57616), (81, 57691), (92, 57760), (104, 57826),

Gene: Murphy_93 Start: 57036, Stop: 57296, Start Num: 57

Candidate Starts for Murphy_93:

(Start: 57 @57036 has 123 MA's), (67, 57057), (81, 57132), (92, 57201), (104, 57267),

Gene: Murucutumbu_51 Start: 38326, Stop: 38589, Start Num: 42

Candidate Starts for Murucutumbu_51:

(5, 38074), (Start: 42 @38326 has 120 MA's), (71, 38380), (86, 38467),

Gene: Mutaforma13_63 Start: 42840, Stop: 43124, Start Num: 25

Candidate Starts for Mutaforma13_63:

(18, 42813), (Start: 25 @42840 has 156 MA's), (37, 42864), (55, 42879), (73, 42924), (75, 42936), (88, 43014), (91, 43026), (95, 43050), (97, 43062), (110, 43116),

Gene: Mynx_51 Start: 37672, Stop: 37935, Start Num: 42

Candidate Starts for Mynx_51:

(Start: 42 @37672 has 120 MA's), (86, 37813),

Gene: Myrale_93 Start: 57158, Stop: 57418, Start Num: 57

Candidate Starts for Myrale_93:

(Start: 57 @57158 has 123 MA's), (67, 57179), (81, 57254), (92, 57323), (104, 57389),

Gene: Nairb_40 Start: 31446, Stop: 31703, Start Num: 42

Candidate Starts for Nairb_40:

(4, 31170), (6, 31191), (Start: 42 @31446 has 120 MA's), (75, 31530), (91, 31620),

Gene: Nala_95 Start: 56881, Stop: 57141, Start Num: 57
Candidate Starts for Nala_95:
(Start: 57 @56881 has 123 MA's), (67, 56902), (81, 56977), (92, 57046), (104, 57112),

Gene: NelitzaMV_91 Start: 56241, Stop: 56501, Start Num: 57
Candidate Starts for NelitzaMV_91:
(Start: 57 @56241 has 123 MA's), (67, 56262), (81, 56337), (92, 56406), (104, 56472),

Gene: Nergal_48 Start: 36024, Stop: 36272, Start Num: 42
Candidate Starts for Nergal_48:
(Start: 42 @36024 has 120 MA's), (83, 36138), (86, 36156), (92, 36189), (101, 36246),

Gene: Niagara_39 Start: 44231, Stop: 44031, Start Num: 64
Candidate Starts for Niagara_39:
(Start: 64 @44231 has 13 MA's),

Gene: Nibb_53 Start: 37813, Stop: 38082, Start Num: 42
Candidate Starts for Nibb_53:
(Start: 42 @37813 has 120 MA's), (63, 37840), (93, 37987), (113, 38071),

Gene: Nicholas_77 Start: 53801, Stop: 54070, Start Num: 54
Candidate Starts for Nicholas_77:
(Start: 54 @53801 has 7 MA's), (Start: 61 @53816 has 4 MA's), (91, 53951), (98, 53993), (104, 54029), (111, 54053),

Gene: Nikao_49 Start: 39653, Stop: 39922, Start Num: 42
Candidate Starts for Nikao_49:
(Start: 42 @39653 has 120 MA's), (79, 39749), (89, 39809), (90, 39815), (91, 39818), (95, 39845), (97, 39857), (108, 39911),

Gene: Niklas_53 Start: 38346, Stop: 38609, Start Num: 42
Candidate Starts for Niklas_53:
(1, 37866), (3, 38022), (5, 38091), (Start: 42 @38346 has 120 MA's), (81, 38448), (83, 38466), (86, 38484), (95, 38538), (101, 38574), (108, 38598),

Gene: Nimrod_94 Start: 57584, Stop: 57844, Start Num: 57
Candidate Starts for Nimrod_94:
(Start: 57 @57584 has 123 MA's), (67, 57605), (81, 57680), (92, 57749), (104, 57815),

Gene: Nitzel_57 Start: 39291, Stop: 39521, Start Num: 25
Candidate Starts for Nitzel_57:
(18, 39264), (Start: 25 @39291 has 156 MA's), (74, 39375), (86, 39444), (91, 39471), (95, 39495),

Gene: Nivrat_55 Start: 39298, Stop: 39579, Start Num: 25
Candidate Starts for Nivrat_55:
(18, 39271), (Start: 25 @39298 has 156 MA's), (74, 39382), (76, 39391), (86, 39454), (88, 39469), (91, 39481), (95, 39505), (97, 39517), (110, 39571),

Gene: NoSleep_94 Start: 56218, Stop: 56478, Start Num: 57
Candidate Starts for NoSleep_94:
(Start: 57 @56218 has 123 MA's), (67, 56239), (81, 56314), (92, 56383), (104, 56449),

Gene: NormanBulbieJr_59 Start: 39923, Stop: 40207, Start Num: 25

Candidate Starts for NormanBulbieJr_59:

(18, 39896), (Start: 25 @39923 has 156 MA's), (37, 39947), (55, 39962), (73, 40007), (75, 40019), (88, 40097), (91, 40109), (95, 40133), (97, 40145), (110, 40199),

Gene: Nutello_46 Start: 37040, Stop: 37309, Start Num: 42

Candidate Starts for Nutello_46:

(Start: 42 @37040 has 120 MA's), (79, 37136), (89, 37196), (90, 37202), (91, 37205), (95, 37232), (97, 37244), (108, 37298),

Gene: OBUpride_74 Start: 48893, Stop: 49201, Start Num: 20

Candidate Starts for OBUpride_74:

(19, 48887), (Start: 20 @48893 has 20 MA's), (Start: 27 @48920 has 2 MA's), (40, 48953), (78, 49055), (83, 49082), (102, 49193),

Gene: Ochi17_62 Start: 41991, Stop: 42269, Start Num: 25

Candidate Starts for Ochi17_62:

(18, 41964), (Start: 25 @41991 has 156 MA's), (74, 42075), (76, 42084), (86, 42147), (88, 42162), (91, 42174), (95, 42198), (97, 42210), (110, 42261),

Gene: OfUltron_64 Start: 42540, Stop: 42818, Start Num: 25

Candidate Starts for OfUltron_64:

(18, 42513), (Start: 25 @42540 has 156 MA's), (74, 42624), (76, 42633), (86, 42696), (88, 42711), (91, 42723), (95, 42747), (97, 42759), (110, 42810),

Gene: Oksu_63 Start: 42803, Stop: 43081, Start Num: 25

Candidate Starts for Oksu_63:

(18, 42776), (Start: 25 @42803 has 156 MA's), (74, 42887), (76, 42896), (86, 42959), (88, 42974), (91, 42986), (95, 43010), (97, 43022), (110, 43073),

Gene: OldBen_56 Start: 39848, Stop: 40132, Start Num: 25

Candidate Starts for OldBen_56:

(18, 39821), (Start: 25 @39848 has 156 MA's), (37, 39872), (55, 39887), (73, 39932), (75, 39944), (88, 40022), (91, 40034), (95, 40058), (97, 40070), (110, 40124),

Gene: OlympiaSaint_61 Start: 40444, Stop: 40725, Start Num: 25

Candidate Starts for OlympiaSaint_61:

(18, 40417), (Start: 25 @40444 has 156 MA's), (37, 40468), (55, 40483), (73, 40528), (75, 40540), (88, 40618), (91, 40630), (95, 40654), (97, 40666), (110, 40717),

Gene: OrionPax_92 Start: 55969, Stop: 56229, Start Num: 57

Candidate Starts for OrionPax_92:

(Start: 57 @55969 has 123 MA's), (67, 55990), (81, 56065), (92, 56134), (104, 56200),

Gene: Oscar_55 Start: 38567, Stop: 38842, Start Num: 42

Candidate Starts for Oscar_55:

(Start: 42 @38567 has 120 MA's), (Start: 45 @38573 has 2 MA's), (71, 38615), (75, 38639), (93, 38747), (113, 38831),

Gene: OwlsT2W_59 Start: 40166, Stop: 40444, Start Num: 25

Candidate Starts for OwlsT2W_59:

(18, 40139), (Start: 25 @40166 has 156 MA's), (74, 40250), (86, 40322), (88, 40337), (91, 40349), (95, 40373), (97, 40385), (110, 40436),

Gene: PHappiness_54 Start: 38211, Stop: 38489, Start Num: 25

Candidate Starts for PHappiness_54:

(18, 38184), (Start: 25 @38211 has 156 MA's), (74, 38295), (76, 38304), (86, 38367), (88, 38382), (91, 38394), (95, 38418), (97, 38430), (110, 38481),

Gene: PMC_56 Start: 40550, Stop: 40834, Start Num: 25

Candidate Starts for PMC_56:

(18, 40523), (Start: 25 @40550 has 156 MA's), (37, 40574), (55, 40589), (73, 40634), (75, 40646), (88, 40724), (91, 40736), (95, 40760), (97, 40772), (110, 40826),

Gene: Pacc40_53 Start: 38285, Stop: 38563, Start Num: 25

Candidate Starts for Pacc40_53:

(18, 38258), (Start: 25 @38285 has 156 MA's), (74, 38369), (76, 38378), (86, 38441), (88, 38456), (91, 38468), (95, 38492), (97, 38504), (110, 38555),

Gene: Padfoot_50 Start: 37668, Stop: 37931, Start Num: 42

Candidate Starts for Padfoot_50:

(Start: 42 @37668 has 120 MA's), (86, 37809),

Gene: Padpat_52 Start: 37347, Stop: 37610, Start Num: 42

Candidate Starts for Padpat_52:

(Start: 42 @37347 has 120 MA's), (86, 37488),

Gene: Palpatine_95 Start: 57622, Stop: 57882, Start Num: 57

Candidate Starts for Palpatine_95:

(Start: 57 @57622 has 123 MA's), (67, 57643), (81, 57718), (92, 57787), (104, 57853),

Gene: PapayaSalad_40 Start: 27840, Stop: 28139, Start Num: 50

Candidate Starts for PapayaSalad_40:

(4, 27552), (7, 27597), (22, 27771), (Start: 50 @27840 has 4 MA's), (91, 28002),

Gene: Paperbeatsrock_92 Start: 56873, Stop: 57133, Start Num: 57

Candidate Starts for Paperbeatsrock_92:

(Start: 57 @56873 has 123 MA's), (67, 56894), (81, 56969), (92, 57038), (104, 57104),

Gene: Pat3_90 Start: 55071, Stop: 55331, Start Num: 57

Candidate Starts for Pat3_90:

(11, 54933), (Start: 57 @55071 has 123 MA's), (67, 55092), (92, 55236), (104, 55302),

Gene: Peanam_53 Start: 38304, Stop: 38567, Start Num: 42

Candidate Starts for Peanam_53:

(1, 37824), (3, 37980), (5, 38049), (Start: 42 @38304 has 120 MA's), (81, 38406), (83, 38424), (86, 38442), (95, 38496), (101, 38532), (108, 38556),

Gene: Peel_50 Start: 37473, Stop: 37736, Start Num: 42

Candidate Starts for Peel_50:

(Start: 42 @37473 has 120 MA's), (86, 37614),

Gene: Petra64142_98 Start: 58076, Stop: 58336, Start Num: 57

Candidate Starts for Petra64142_98:

(11, 57938), (Start: 57 @58076 has 123 MA's), (67, 58097), (92, 58241), (104, 58307),

Gene: Phaja_91 Start: 56699, Stop: 56959, Start Num: 57

Candidate Starts for Phaja_91:

(Start: 57 @56699 has 123 MA's), (67, 56720), (81, 56795), (92, 56864), (104, 56930),

Gene: Pharb_50 Start: 36682, Stop: 36942, Start Num: 36

Candidate Starts for Pharb_50:

(1, 36217), (5, 36442), (Start: 36 @36682 has 8 MA's), (Start: 49 @36697 has 1 MA's), (95, 36871),

Gene: Pharsalus_90 Start: 56673, Stop: 56933, Start Num: 57

Candidate Starts for Pharsalus_90:

(Start: 57 @56673 has 123 MA's), (67, 56694), (81, 56769), (92, 56838), (104, 56904),

Gene: Phasih_57 Start: 40355, Stop: 40633, Start Num: 25

Candidate Starts for Phasih_57:

(18, 40328), (Start: 25 @40355 has 156 MA's), (74, 40439), (76, 40448), (86, 40511), (88, 40526), (91, 40538), (95, 40562), (97, 40574), (110, 40625),

Gene: PhatBacter_97 Start: 57367, Stop: 57627, Start Num: 57

Candidate Starts for PhatBacter_97:

(Start: 57 @57367 has 123 MA's), (67, 57388), (81, 57463), (92, 57532), (104, 57598),

Gene: Phatniss_57 Start: 39928, Stop: 40212, Start Num: 25

Candidate Starts for Phatniss_57:

(18, 39901), (Start: 25 @39928 has 156 MA's), (37, 39952), (55, 39967), (73, 40012), (75, 40024), (88, 40102), (91, 40114), (95, 40138), (97, 40150), (110, 40204),

Gene: Phaux_96 Start: 57909, Stop: 58169, Start Num: 57

Candidate Starts for Phaux_96:

(Start: 57 @57909 has 123 MA's), (67, 57930), (81, 58005), (92, 58074), (104, 58140),

Gene: PhelpsODU_53 Start: 37175, Stop: 37432, Start Num: 42

Candidate Starts for PhelpsODU_53:

(Start: 42 @37175 has 120 MA's), (51, 37196), (75, 37250), (86, 37313), (87, 37322), (101, 37400),

Gene: Philus_62 Start: 41088, Stop: 41369, Start Num: 25

Candidate Starts for Philus_62:

(18, 41061), (Start: 25 @41088 has 156 MA's), (74, 41172), (76, 41181), (86, 41244), (88, 41259), (91, 41271), (95, 41295), (97, 41307), (110, 41361),

Gene: Phrank_54 Start: 37132, Stop: 37389, Start Num: 42

Candidate Starts for Phrank_54:

(Start: 42 @37132 has 120 MA's), (51, 37153), (75, 37207), (86, 37270), (87, 37279), (101, 37357),

Gene: Phrux_91 Start: 56185, Stop: 56445, Start Num: 57

Candidate Starts for Phrux_91:

(Start: 57 @56185 has 123 MA's), (67, 56206), (81, 56281), (92, 56350), (104, 56416),

Gene: Piatt_50 Start: 37668, Stop: 37931, Start Num: 42

Candidate Starts for Piatt_50:

(Start: 42 @37668 has 120 MA's), (86, 37809),

Gene: Pippy_57 Start: 38794, Stop: 39075, Start Num: 25

Candidate Starts for Pippy_57:

(18, 38767), (Start: 25 @38794 has 156 MA's), (37, 38818), (55, 38833), (73, 38878), (75, 38890), (88, 38968), (91, 38980), (95, 39004), (97, 39016), (110, 39067),

Gene: Pixie_52 Start: 37451, Stop: 37720, Start Num: 36

Candidate Starts for Pixie_52:

(5, 37211), (Start: 36 @37451 has 8 MA's), (Start: 49 @37475 has 1 MA's), (86, 37595), (95, 37649),

Gene: Plumbus_61 Start: 40255, Stop: 40533, Start Num: 25

Candidate Starts for Plumbus_61:

(18, 40228), (Start: 25 @40255 has 156 MA's), (74, 40339), (76, 40348), (86, 40411), (88, 40426), (91, 40438), (95, 40462), (97, 40474), (110, 40525),

Gene: Poenanya_59 Start: 41112, Stop: 41390, Start Num: 25

Candidate Starts for Poenanya_59:

(18, 41085), (Start: 25 @41112 has 156 MA's), (74, 41196), (76, 41205), (86, 41268), (88, 41283), (91, 41295), (95, 41319), (97, 41331), (110, 41382),

Gene: Pokerus_49 Start: 37394, Stop: 37657, Start Num: 42

Candidate Starts for Pokerus_49:

(Start: 42 @37394 has 120 MA's), (71, 37448), (86, 37535),

Gene: Policronamos_97 Start: 57640, Stop: 57900, Start Num: 57

Candidate Starts for Policronamos_97:

(Start: 57 @57640 has 123 MA's), (67, 57661), (81, 57736), (92, 57805), (104, 57871),

Gene: Polka14_57 Start: 39308, Stop: 39586, Start Num: 25

Candidate Starts for Polka14_57:

(18, 39281), (Start: 25 @39308 has 156 MA's), (74, 39392), (76, 39401), (86, 39464), (88, 39479), (91, 39491), (95, 39515), (97, 39527), (110, 39578),

Gene: Pollywog_60 Start: 40759, Stop: 41043, Start Num: 25

Candidate Starts for Pollywog_60:

(18, 40732), (Start: 25 @40759 has 156 MA's), (37, 40783), (55, 40798), (73, 40843), (75, 40855), (88, 40933), (91, 40945), (95, 40969), (97, 40981), (110, 41035),

Gene: Porky_92 Start: 55785, Stop: 56045, Start Num: 57

Candidate Starts for Porky_92:

(Start: 57 @55785 has 123 MA's), (67, 55806), (81, 55881), (92, 55950), (104, 56016),

Gene: Priscilla_59 Start: 40022, Stop: 40306, Start Num: 25

Candidate Starts for Priscilla_59:

(18, 39995), (Start: 25 @40022 has 156 MA's), (37, 40046), (55, 40061), (73, 40106), (75, 40118), (88, 40196), (91, 40208), (95, 40232), (97, 40244), (110, 40298),

Gene: Prithvi_51 Start: 37556, Stop: 37819, Start Num: 42

Candidate Starts for Prithvi_51:

(Start: 42 @37556 has 120 MA's), (71, 37610), (86, 37697),

Gene: Pumpkin_97 Start: 57561, Stop: 57821, Start Num: 57

Candidate Starts for Pumpkin_97:

(Start: 57 @57561 has 123 MA's), (67, 57582), (81, 57657), (92, 57726), (104, 57792),

Gene: Pupper_53 Start: 18336, Stop: 18617, Start Num: 23

Candidate Starts for Pupper_53:

(Start: 23 @18336 has 3 MA's), (Start: 34 @18372 has 1 MA's), (75, 18447),

Gene: Quallification_94 Start: 57281, Stop: 57541, Start Num: 57

Candidate Starts for Quallification_94:

(Start: 57 @57281 has 123 MA's), (67, 57302), (81, 57377), (92, 57446), (104, 57512),

Gene: QuickMath_61 Start: 42034, Stop: 42315, Start Num: 25

Candidate Starts for QuickMath_61:

(16, 41998), (Start: 25 @42034 has 156 MA's), (37, 42058), (73, 42115), (75, 42127), (88, 42205), (91, 42217), (95, 42241), (97, 42253), (110, 42307),

Gene: QuincyRose_49 Start: 37786, Stop: 38049, Start Num: 42

Candidate Starts for QuincyRose_49:

(Start: 42 @37786 has 120 MA's), (86, 37927),

Gene: Radiance_58 Start: 40047, Stop: 40328, Start Num: 25

Candidate Starts for Radiance_58:

(18, 40020), (Start: 25 @40047 has 156 MA's), (37, 40071), (55, 40086), (73, 40131), (75, 40143), (88, 40221), (91, 40233), (95, 40257), (97, 40269), (110, 40320),

Gene: Rakim_94 Start: 56610, Stop: 56870, Start Num: 57

Candidate Starts for Rakim_94:

(Start: 57 @56610 has 123 MA's), (67, 56631), (81, 56706), (92, 56775), (104, 56841),

Gene: Ramen_51 Start: 37358, Stop: 37621, Start Num: 42

Candidate Starts for Ramen_51:

(Start: 42 @37358 has 120 MA's), (86, 37499),

Gene: Rapunzel97_51 Start: 37354, Stop: 37617, Start Num: 42

Candidate Starts for Rapunzel97_51:

(Start: 42 @37354 has 120 MA's), (86, 37495),

Gene: RedBird_57 Start: 39343, Stop: 39624, Start Num: 25

Candidate Starts for RedBird_57:

(18, 39316), (Start: 25 @39343 has 156 MA's), (74, 39427), (76, 39436), (86, 39499), (88, 39514), (91, 39526), (95, 39550), (97, 39562),

Gene: Renaud18_65 Start: 40812, Stop: 41093, Start Num: 25

Candidate Starts for Renaud18_65:

(17, 40776), (Start: 25 @40812 has 156 MA's), (Start: 31 @40827 has 1 MA's), (55, 40851), (73, 40896), (75, 40908), (95, 41022), (97, 41034), (110, 41085),

Gene: Reynauld_48 Start: 45364, Stop: 45140, Start Num: 58

Candidate Starts for Reynauld_48:

(2, 45808), (Start: 58 @45364 has 2 MA's), (69, 45340),

Gene: Rialto_65 Start: 42826, Stop: 43110, Start Num: 25

Candidate Starts for Rialto_65:

(18, 42799), (Start: 25 @42826 has 156 MA's), (37, 42850), (55, 42865), (73, 42910), (75, 42922), (88, 43000), (91, 43012), (95, 43036), (97, 43048), (110, 43102),

Gene: Richo_53 Start: 38285, Stop: 38548, Start Num: 42

Candidate Starts for Richo_53:

(1, 37805), (3, 37961), (5, 38030), (Start: 42 @38285 has 120 MA's), (81, 38387), (83, 38405), (86, 38423), (95, 38477), (101, 38513), (108, 38537),

Gene: Rimmer_91 Start: 56182, Stop: 56442, Start Num: 57

Candidate Starts for Rimmer_91:

(11, 56044), (Start: 57 @56182 has 123 MA's), (67, 56203), (92, 56347), (104, 56413),

Gene: Rita_60 Start: 38653, Stop: 38937, Start Num: 25

Candidate Starts for Rita_60:

(18, 38626), (Start: 25 @38653 has 156 MA's), (37, 38677), (55, 38692), (73, 38737), (75, 38749), (88, 38827), (91, 38839), (95, 38863), (97, 38875), (110, 38929),

Gene: RitaG_54 Start: 38556, Stop: 38834, Start Num: 25

Candidate Starts for RitaG_54:

(18, 38529), (Start: 25 @38556 has 156 MA's), (74, 38640), (76, 38649), (86, 38712), (88, 38727), (91, 38739), (95, 38763), (97, 38775), (110, 38826),

Gene: RiverMonster_94 Start: 57081, Stop: 57341, Start Num: 57

Candidate Starts for RiverMonster_94:

(Start: 57 @57081 has 123 MA's), (67, 57102), (81, 57177), (92, 57246), (104, 57312),

Gene: RobinSparkles_47 Start: 44442, Stop: 44158, Start Num: 21

Candidate Starts for RobinSparkles_47:

(Start: 21 @44442 has 1 MA's), (83, 44256),

Gene: Rockne_60 Start: 40562, Stop: 40846, Start Num: 25

Candidate Starts for Rockne_60:

(18, 40535), (Start: 25 @40562 has 156 MA's), (37, 40586), (55, 40601), (73, 40646), (75, 40658), (88, 40736), (91, 40748), (95, 40772), (97, 40784), (110, 40838),

Gene: RockyHorror_60 Start: 39611, Stop: 39892, Start Num: 25

Candidate Starts for RockyHorror_60:

(18, 39584), (Start: 25 @39611 has 156 MA's), (37, 39635), (55, 39650), (73, 39695), (75, 39707), (91, 39797), (95, 39821), (97, 39833), (110, 39884),

Gene: RonRayGun_41 Start: 31892, Stop: 32149, Start Num: 42

Candidate Starts for RonRayGun_41:

(4, 31616), (6, 31637), (Start: 42 @31892 has 120 MA's), (75, 31976), (91, 32066),

Gene: Ronaldo_96 Start: 48347, Stop: 48652, Start Num: 53

Candidate Starts for Ronaldo_96:

(Start: 53 @48347 has 6 MA's), (70, 48380), (106, 48581), (115, 48605),

Gene: Rosmarinus_50 Start: 37459, Stop: 37722, Start Num: 42

Candidate Starts for Rosmarinus_50:

(Start: 42 @37459 has 120 MA's), (86, 37600),

Gene: Ruby_55 Start: 39743, Stop: 40021, Start Num: 25

Candidate Starts for Ruby_55:

(18, 39716), (Start: 25 @39743 has 156 MA's), (74, 39827), (76, 39836), (86, 39899), (88, 39914), (91, 39926), (95, 39950), (97, 39962), (110, 40013),

Gene: SCentae_53 Start: 18353, Stop: 18634, Start Num: 23
Candidate Starts for SCentae_53:
(Start: 23 @18353 has 3 MA's), (Start: 34 @18389 has 1 MA's), (75, 18464),

Gene: SG4_56 Start: 39440, Stop: 39724, Start Num: 25
Candidate Starts for SG4_56:
(Start: 25 @39440 has 156 MA's), (37, 39464), (55, 39479), (73, 39524), (75, 39536), (88, 39614), (91, 39626), (95, 39650), (97, 39662), (110, 39716),

Gene: Saal_61 Start: 41196, Stop: 41477, Start Num: 25
Candidate Starts for Saal_61:
(18, 41169), (Start: 25 @41196 has 156 MA's), (37, 41220), (55, 41235), (73, 41280), (75, 41292), (88, 41370), (91, 41382), (95, 41406), (97, 41418), (110, 41469),

Gene: Sabbb_63 Start: 40884, Stop: 41165, Start Num: 25
Candidate Starts for Sabbb_63:
(18, 40857), (Start: 25 @40884 has 156 MA's), (37, 40908), (55, 40923), (73, 40968), (75, 40980), (88, 41058), (91, 41070), (95, 41094), (97, 41106), (110, 41157),

Gene: Saints25_92 Start: 56224, Stop: 56484, Start Num: 57
Candidate Starts for Saints25_92:
(Start: 57 @56224 has 123 MA's), (67, 56245), (81, 56320), (92, 56389), (104, 56455),

Gene: Samty_78 Start: 53804, Stop: 54058, Start Num: 61
Candidate Starts for Samty_78:
(Start: 54 @53789 has 7 MA's), (Start: 61 @53804 has 4 MA's), (91, 53939), (98, 53981), (104, 54017), (111, 54041),

Gene: SamuelLPlaqson_51 Start: 38242, Stop: 38505, Start Num: 42
Candidate Starts for SamuelLPlaqson_51:
(5, 37990), (Start: 42 @38242 has 120 MA's), (71, 38296), (83, 38365), (86, 38383),

Gene: Sassafras_57 Start: 39528, Stop: 39806, Start Num: 25
Candidate Starts for Sassafras_57:
(18, 39501), (Start: 25 @39528 has 156 MA's), (74, 39612), (76, 39621), (86, 39684), (88, 39699), (91, 39711), (95, 39735), (97, 39747), (110, 39798),

Gene: Sassay_88 Start: 54914, Stop: 55174, Start Num: 57
Candidate Starts for Sassay_88:
(Start: 57 @54914 has 123 MA's), (67, 54935), (81, 55010), (92, 55079), (104, 55145),

Gene: Sbash_53 Start: 39707, Stop: 40006, Start Num: 32
Candidate Starts for Sbash_53:
(Start: 32 @39707 has 6 MA's), (Start: 43 @39725 has 8 MA's), (Start: 61 @39761 has 4 MA's), (Start: 68 @39776 has 1 MA's), (86, 39872), (95, 39923), (100, 39959), (110, 39998),

Gene: Scarlett_55 Start: 38559, Stop: 38834, Start Num: 42
Candidate Starts for Scarlett_55:
(Start: 42 @38559 has 120 MA's), (Start: 45 @38565 has 2 MA's), (71, 38607), (75, 38631), (93, 38739), (113, 38823),

Gene: Scottish_57 Start: 39568, Stop: 39852, Start Num: 25
Candidate Starts for Scottish_57:

(18, 39541), (Start: 25 @39568 has 156 MA's), (37, 39592), (55, 39607), (73, 39652), (75, 39664), (88, 39742), (91, 39754), (95, 39778), (97, 39790), (110, 39844),

Gene: Seabastian_64 Start: 42541, Stop: 42819, Start Num: 25

Candidate Starts for Seabastian_64:

(18, 42514), (Start: 25 @42541 has 156 MA's), (74, 42625), (76, 42634), (86, 42697), (88, 42712), (91, 42724), (95, 42748), (97, 42760), (110, 42811),

Gene: Sejanus_58 Start: 47696, Stop: 47995, Start Num: 32

Candidate Starts for Sejanus_58:

(Start: 32 @47696 has 6 MA's), (Start: 43 @47714 has 8 MA's), (Start: 61 @47750 has 4 MA's), (Start: 68 @47765 has 1 MA's), (86, 47861), (95, 47912), (100, 47948), (107, 47981), (110, 47987),

Gene: SgtBeansprout_46 Start: 37040, Stop: 37309, Start Num: 42

Candidate Starts for SgtBeansprout_46:

(Start: 42 @37040 has 120 MA's), (79, 37136), (89, 37196), (90, 37202), (91, 37205), (95, 37232), (97, 37244), (108, 37298),

Gene: Shadow1_56 Start: 38290, Stop: 38541, Start Num: 42

Candidate Starts for Shadow1_56:

(Start: 42 @38290 has 120 MA's), (Start: 45 @38296 has 2 MA's), (86, 38428),

Gene: ShamWow_93 Start: 57094, Stop: 57354, Start Num: 57

Candidate Starts for ShamWow_93:

(Start: 57 @57094 has 123 MA's), (67, 57115), (81, 57190), (92, 57259), (104, 57325),

Gene: Shaobing_53 Start: 38322, Stop: 38585, Start Num: 42

Candidate Starts for Shaobing_53:

(1, 37842), (3, 37998), (5, 38067), (Start: 42 @38322 has 120 MA's), (81, 38424), (83, 38442), (86, 38460), (95, 38514), (101, 38550), (108, 38574),

Gene: ShedlockHolmes_54 Start: 37976, Stop: 38245, Start Num: 36

Candidate Starts for ShedlockHolmes_54:

(5, 37736), (Start: 36 @37976 has 8 MA's), (Start: 49 @38000 has 1 MA's), (86, 38120), (95, 38174),

Gene: ShereKhan_91 Start: 57206, Stop: 57466, Start Num: 57

Candidate Starts for ShereKhan_91:

(Start: 57 @57206 has 123 MA's), (67, 57227), (81, 57302), (92, 57371), (104, 57437),

Gene: ShiLan_58 Start: 39969, Stop: 40253, Start Num: 25

Candidate Starts for ShiLan_58:

(18, 39942), (Start: 25 @39969 has 156 MA's), (37, 39993), (55, 40008), (73, 40053), (75, 40065), (88, 40143), (91, 40155), (95, 40179), (97, 40191), (110, 40245),

Gene: ShiaSurprise_51 Start: 37668, Stop: 37931, Start Num: 42

Candidate Starts for ShiaSurprise_51:

(Start: 42 @37668 has 120 MA's), (86, 37809),

Gene: ShowerHandel_62 Start: 39936, Stop: 40217, Start Num: 25

Candidate Starts for ShowerHandel_62:

(18, 39909), (Start: 25 @39936 has 156 MA's), (37, 39960), (55, 39975), (73, 40020), (75, 40032), (88, 40110), (91, 40122), (95, 40146), (97, 40158), (110, 40209),

Gene: ShroomBoi_61 Start: 40896, Stop: 41177, Start Num: 25

Candidate Starts for ShroomBoi_61:

(18, 40869), (Start: 25 @40896 has 156 MA's), (37, 40920), (55, 40935), (73, 40980), (75, 40992), (88, 41070), (91, 41082), (95, 41106), (97, 41118), (110, 41169),

Gene: Shweta_42 Start: 30626, Stop: 30925, Start Num: 32

Candidate Starts for Shweta_42:

(Start: 32 @30626 has 6 MA's), (Start: 43 @30644 has 8 MA's), (Start: 61 @30680 has 4 MA's), (Start: 68 @30695 has 1 MA's), (86, 30791), (95, 30842), (100, 30878), (107, 30911),

Gene: SiSi_57 Start: 39342, Stop: 39626, Start Num: 25

Candidate Starts for SiSi_57:

(18, 39315), (Start: 25 @39342 has 156 MA's), (37, 39366), (55, 39381), (73, 39426), (75, 39438), (88, 39516), (91, 39528), (95, 39552), (97, 39564), (110, 39618),

Gene: Simpliphy_92 Start: 56214, Stop: 56474, Start Num: 57

Candidate Starts for Simpliphy_92:

(Start: 57 @56214 has 123 MA's), (67, 56235), (81, 56310), (92, 56379), (104, 56445),

Gene: SimranZ1_59 Start: 40122, Stop: 40400, Start Num: 25

Candidate Starts for SimranZ1_59:

(18, 40095), (Start: 25 @40122 has 156 MA's), (74, 40206), (76, 40215), (86, 40278), (88, 40293), (91, 40305), (95, 40329), (97, 40341), (110, 40392),

Gene: SirDuracell_93 Start: 55587, Stop: 55847, Start Num: 57

Candidate Starts for SirDuracell_93:

(Start: 57 @55587 has 123 MA's), (67, 55608), (81, 55683), (92, 55752), (104, 55818),

Gene: SirPhilip_53 Start: 38679, Stop: 38936, Start Num: 42

Candidate Starts for SirPhilip_53:

(Start: 42 @38679 has 120 MA's), (83, 38799), (85, 38808), (86, 38817), (97, 38880), (101, 38904),

Gene: SkinnyPete_42 Start: 29948, Stop: 30178, Start Num: 68

Candidate Starts for SkinnyPete_42:

(Start: 32 @29879 has 6 MA's), (Start: 43 @29897 has 8 MA's), (Start: 61 @29933 has 4 MA's), (Start: 68 @29948 has 1 MA's), (86, 30044), (95, 30095), (100, 30131), (107, 30164), (110, 30170),

Gene: Slimphazie_50 Start: 37354, Stop: 37617, Start Num: 42

Candidate Starts for Slimphazie_50:

(Start: 42 @37354 has 120 MA's), (86, 37495),

Gene: Snenia_78 Start: 53795, Stop: 54064, Start Num: 54

Candidate Starts for Snenia_78:

(Start: 54 @53795 has 7 MA's), (Start: 61 @53810 has 4 MA's), (91, 53945), (98, 53987), (104, 54023), (111, 54047),

Gene: SophKB_90 Start: 55892, Stop: 56152, Start Num: 57

Candidate Starts for SophKB_90:

(Start: 57 @55892 has 123 MA's), (67, 55913), (81, 55988), (92, 56057), (104, 56123),

Gene: Sotrice96_94 Start: 56480, Stop: 56740, Start Num: 57

Candidate Starts for Sotrice96_94:

(Start: 57 @56480 has 123 MA's), (67, 56501), (81, 56576), (92, 56645), (104, 56711),

Gene: Soul22_65 Start: 41527, Stop: 41811, Start Num: 25

Candidate Starts for Soul22_65:

(18, 41500), (Start: 25 @41527 has 156 MA's), (37, 41551), (55, 41566), (73, 41611), (75, 41623), (88, 41701), (91, 41713), (95, 41737), (97, 41749), (110, 41803),

Gene: Spartacus_61 Start: 40606, Stop: 40887, Start Num: 25

Candidate Starts for Spartacus_61:

(18, 40579), (Start: 25 @40606 has 156 MA's), (37, 40630), (55, 40645), (73, 40690), (75, 40702), (88, 40780), (91, 40792), (95, 40816), (97, 40828), (110, 40879),

Gene: Spikelee_66 Start: 42226, Stop: 42507, Start Num: 25

Candidate Starts for Spikelee_66:

(18, 42199), (Start: 25 @42226 has 156 MA's), (37, 42250), (55, 42265), (73, 42310), (75, 42322), (88, 42400), (91, 42412), (95, 42436), (97, 42448), (110, 42499),

Gene: Spock_50 Start: 37472, Stop: 37735, Start Num: 42

Candidate Starts for Spock_50:

(Start: 42 @37472 has 120 MA's), (86, 37613),

Gene: Spoonbill_56 Start: 38516, Stop: 38794, Start Num: 25

Candidate Starts for Spoonbill_56:

(18, 38489), (Start: 25 @38516 has 156 MA's), (74, 38600), (76, 38609), (86, 38672), (88, 38687), (91, 38699), (95, 38723), (97, 38735), (110, 38786),

Gene: Squiddly_71 Start: 45719, Stop: 45979, Start Num: 34

Candidate Starts for Squiddly_71:

(24, 45680), (Start: 34 @45719 has 1 MA's), (71, 45782), (73, 45794), (83, 45851), (91, 45896), (110, 45971),

Gene: Stank_95 Start: 56873, Stop: 57133, Start Num: 57

Candidate Starts for Stank_95:

(Start: 57 @56873 has 123 MA's), (67, 56894), (81, 56969), (92, 57038), (104, 57104),

Gene: Stap_57 Start: 39317, Stop: 39595, Start Num: 25

Candidate Starts for Stap_57:

(18, 39290), (Start: 25 @39317 has 156 MA's), (74, 39401), (76, 39410), (86, 39473), (88, 39488), (91, 39500), (95, 39524), (97, 39536), (110, 39587),

Gene: Starcevich_59 Start: 40105, Stop: 40383, Start Num: 25

Candidate Starts for Starcevich_59:

(16, 40069), (Start: 25 @40105 has 156 MA's), (37, 40129), (73, 40186), (75, 40198), (88, 40276), (91, 40288), (95, 40312), (97, 40324), (110, 40375),

Gene: Stark_95 Start: 56964, Stop: 57224, Start Num: 57

Candidate Starts for Stark_95:

(Start: 57 @56964 has 123 MA's), (67, 56985), (81, 57060), (92, 57129), (104, 57195),

Gene: StellaBean_91 Start: 56418, Stop: 56678, Start Num: 57

Candidate Starts for StellaBean_91:

(Start: 57 @56418 has 123 MA's), (67, 56439), (81, 56514), (92, 56583), (104, 56649),

Gene: Stinson_51 Start: 37846, Stop: 38109, Start Num: 42

Candidate Starts for Stinson_51:

(5, 37594), (Start: 42 @37846 has 120 MA's), (71, 37900), (86, 37987),

Gene: StolenFromERC_96 Start: 56798, Stop: 57058, Start Num: 57

Candidate Starts for StolenFromERC_96:

(Start: 57 @56798 has 123 MA's), (67, 56819), (81, 56894), (92, 56963), (104, 57029),

Gene: Strobilo_54 Start: 39537, Stop: 39767, Start Num: 48

Candidate Starts for Strobilo_54:

(Start: 47 @39534 has 6 MA's), (Start: 48 @39537 has 4 MA's), (52, 39543), (56, 39549), (83, 39639), (84, 39645), (95, 39708),

Gene: Strokeseat_55 Start: 38052, Stop: 38333, Start Num: 25

Candidate Starts for Strokeseat_55:

(18, 38025), (Start: 25 @38052 has 156 MA's), (37, 38076), (55, 38091), (73, 38136), (75, 38148), (88, 38226), (91, 38238), (95, 38262), (97, 38274), (110, 38325),

Gene: Sulley_50 Start: 37598, Stop: 37861, Start Num: 42

Candidate Starts for Sulley_50:

(Start: 42 @37598 has 120 MA's), (86, 37739),

Gene: Sunflower1121_57 Start: 38391, Stop: 38642, Start Num: 42

Candidate Starts for Sunflower1121_57:

(Start: 42 @38391 has 120 MA's), (Start: 45 @38397 has 2 MA's), (86, 38529),

Gene: SwagPigglett_64 Start: 42244, Stop: 42525, Start Num: 25

Candidate Starts for SwagPigglett_64:

(18, 42217), (Start: 25 @42244 has 156 MA's), (37, 42268), (55, 42283), (73, 42328), (75, 42340), (88, 42418), (91, 42430), (95, 42454), (97, 42466), (110, 42517),

Gene: Syra333_56 Start: 38055, Stop: 38306, Start Num: 42

Candidate Starts for Syra333_56:

(Start: 42 @38055 has 120 MA's), (Start: 45 @38061 has 2 MA's), (84, 38181), (86, 38193),

Gene: TBond007_51 Start: 37450, Stop: 37719, Start Num: 36

Candidate Starts for TBond007_51:

(5, 37210), (Start: 36 @37450 has 8 MA's), (Start: 49 @37474 has 1 MA's), (86, 37594), (95, 37648),

Gene: TBrady12_96 Start: 56634, Stop: 56894, Start Num: 57

Candidate Starts for TBrady12_96:

(Start: 57 @56634 has 123 MA's), (67, 56655), (81, 56730), (92, 56799), (104, 56865),

Gene: TChen_60 Start: 41367, Stop: 41636, Start Num: 31

Candidate Starts for TChen_60:

(14, 41322), (Start: 25 @41358 has 156 MA's), (Start: 31 @41367 has 1 MA's), (71, 41424), (74, 41442), (76, 41451), (86, 41514), (88, 41529), (91, 41541), (95, 41565), (97, 41577), (110, 41628),

Gene: TClif_54 Start: 38425, Stop: 38685, Start Num: 43

Candidate Starts for TClif_54:

(Start: 43 @38425 has 8 MA's), (71, 38467), (91, 38581), (93, 38599), (108, 38674),

Gene: TM4_49 Start: 33917, Stop: 34147, Start Num: 48

Candidate Starts for TM4_49:

(Start: 47 @33914 has 6 MA's), (Start: 48 @33917 has 4 MA's), (52, 33923), (56, 33929), (83, 34019), (84, 34025), (95, 34088),

Gene: Tachez_50 Start: 37316, Stop: 37579, Start Num: 42

Candidate Starts for Tachez_50:

(Start: 42 @37316 has 120 MA's), (86, 37457),

Gene: TaiwanKao_52 Start: 37612, Stop: 37875, Start Num: 42

Candidate Starts for TaiwanKao_52:

(Start: 42 @37612 has 120 MA's), (86, 37753),

Gene: Taj_63 Start: 41748, Stop: 41978, Start Num: 60

Candidate Starts for Taj_63:

(Start: 60 @41748 has 1 MA's), (66, 41757), (88, 41871), (91, 41883), (95, 41907), (97, 41919), (110, 41970),

Gene: Tarkin_92 Start: 56882, Stop: 57142, Start Num: 57

Candidate Starts for Tarkin_92:

(Start: 57 @56882 has 123 MA's), (67, 56903), (81, 56978), (92, 57047), (104, 57113),

Gene: TeardropMSU_89 Start: 55882, Stop: 56142, Start Num: 57

Candidate Starts for TeardropMSU_89:

(Start: 57 @55882 has 123 MA's), (67, 55903), (81, 55978), (92, 56047), (104, 56113),

Gene: Teaspoon_94 Start: 56734, Stop: 56994, Start Num: 57

Candidate Starts for Teaspoon_94:

(Start: 57 @56734 has 123 MA's), (67, 56755), (81, 56830), (92, 56899), (104, 56965),

Gene: Teatealatte_40 Start: 44176, Stop: 43976, Start Num: 64

Candidate Starts for Teatealatte_40:

(Start: 64 @44176 has 13 MA's),

Gene: Teech_40 Start: 43977, Stop: 43777, Start Num: 64

Candidate Starts for Teech_40:

(Start: 64 @43977 has 13 MA's),

Gene: Terminus_96 Start: 57669, Stop: 57929, Start Num: 57

Candidate Starts for Terminus_96:

(Start: 57 @57669 has 123 MA's), (67, 57690), (81, 57765), (92, 57834), (104, 57900),

Gene: ThetaBob_64 Start: 41432, Stop: 41710, Start Num: 25

Candidate Starts for ThetaBob_64:

(14, 41396), (Start: 25 @41432 has 156 MA's), (Start: 31 @41441 has 1 MA's), (71, 41498), (74, 41516), (76, 41525), (86, 41588), (88, 41603), (91, 41615), (95, 41639), (97, 41651), (110, 41702),

Gene: ThirteenKH_7 Start: 5168, Stop: 4911, Start Num: 64

Candidate Starts for ThirteenKH_7:

(33, 5228), (Start: 64 @5168 has 13 MA's), (80, 5096), (86, 5054), (99, 4979), (109, 4934),

Gene: Thresher_96 Start: 57744, Stop: 58004, Start Num: 57

Candidate Starts for Thresher_96:

(Start: 57 @57744 has 123 MA's), (67, 57765), (81, 57840), (92, 57909), (104, 57975),

Gene: Tierra_54 Start: 37943, Stop: 38200, Start Num: 42
Candidate Starts for Tierra_54:
(Start: 42 @37943 has 120 MA's), (51, 37964), (75, 38018), (86, 38081), (87, 38090), (101, 38168),

Gene: TingHuaYa_51 Start: 36397, Stop: 36660, Start Num: 42
Candidate Starts for TingHuaYa_51:
(Start: 42 @36397 has 120 MA's), (Start: 46 @36409 has 2 MA's), (83, 36520), (86, 36538),

Gene: TiniBug_51 Start: 38238, Stop: 38501, Start Num: 42
Candidate Starts for TiniBug_51:
(5, 37986), (Start: 42 @38238 has 120 MA's), (71, 38292), (83, 38361), (86, 38379),

Gene: TinyDot_55 Start: 34530, Stop: 34790, Start Num: 41
Candidate Starts for TinyDot_55:
(Start: 41 @34530 has 1 MA's), (97, 34740),

Gene: Tiri_51 Start: 37646, Stop: 37909, Start Num: 42
Candidate Starts for Tiri_51:
(Start: 42 @37646 has 120 MA's), (71, 37700), (86, 37787),

Gene: Tomaszewski_88 Start: 56045, Stop: 56305, Start Num: 57
Candidate Starts for Tomaszewski_88:
(Start: 57 @56045 has 123 MA's), (67, 56066), (81, 56141), (92, 56210), (104, 56276),

Gene: Tootsieroll_60 Start: 39265, Stop: 39549, Start Num: 25
Candidate Starts for Tootsieroll_60:
(18, 39238), (Start: 25 @39265 has 156 MA's), (37, 39289), (55, 39304), (73, 39349), (75, 39361), (88, 39439), (91, 39451), (95, 39475), (97, 39487), (110, 39541),

Gene: Topper_50 Start: 37471, Stop: 37734, Start Num: 42
Candidate Starts for Topper_50:
(Start: 42 @37471 has 120 MA's), (86, 37612),

Gene: Toron_68 Start: 42444, Stop: 42677, Start Num: 60
Candidate Starts for Toron_68:
(Start: 60 @42444 has 1 MA's), (65, 42456), (95, 42621), (96, 42636), (103, 42666),

Gene: Toron_67 Start: 42166, Stop: 42447, Start Num: 26
Candidate Starts for Toron_67:
(16, 42130), (26, 42166), (62, 42241), (101, 42427), (110, 42439),

Gene: Torres_48 Start: 39654, Stop: 39923, Start Num: 42
Candidate Starts for Torres_48:
(Start: 42 @39654 has 120 MA's), (79, 39750), (89, 39810), (90, 39816), (91, 39819), (95, 39846), (97, 39858), (108, 39912),

Gene: Totinger_58 Start: 39195, Stop: 39479, Start Num: 25
Candidate Starts for Totinger_58:
(18, 39168), (Start: 25 @39195 has 156 MA's), (37, 39219), (55, 39234), (73, 39279), (75, 39291), (88, 39369), (91, 39381), (95, 39405), (97, 39417), (110, 39471),

Gene: Toto_91 Start: 57094, Stop: 57354, Start Num: 57
Candidate Starts for Toto_91:

(Start: 57 @57094 has 123 MA's), (67, 57115), (81, 57190), (92, 57259), (104, 57325),

Gene: Traaww1_89 Start: 55902, Stop: 56162, Start Num: 57

Candidate Starts for Traaww1_89:

(Start: 57 @55902 has 123 MA's), (67, 55923), (81, 55998), (92, 56067), (104, 56133),

Gene: Tredge_40 Start: 44176, Stop: 43976, Start Num: 64

Candidate Starts for Tredge_40:

(Start: 64 @44176 has 13 MA's),

Gene: TreyKay_51 Start: 37556, Stop: 37819, Start Num: 42

Candidate Starts for TreyKay_51:

(Start: 42 @37556 has 120 MA's), (71, 37610), (86, 37697),

Gene: TribbleTrouble_50 Start: 37335, Stop: 37601, Start Num: 36

Candidate Starts for TribbleTrouble_50:

(Start: 36 @37335 has 8 MA's), (Start: 49 @37356 has 1 MA's), (Start: 57 @37362 has 123 MA's), (86, 37476), (93, 37521), (95, 37530),

Gene: TrippleS_7 Start: 5168, Stop: 4911, Start Num: 64

Candidate Starts for TrippleS_7:

(33, 5228), (Start: 64 @5168 has 13 MA's), (80, 5096), (86, 5054), (99, 4979), (109, 4934),

Gene: Trogglehumper_64 Start: 53677, Stop: 53435, Start Num: 58

Candidate Starts for Trogglehumper_64:

(Start: 58 @53677 has 2 MA's), (69, 53653),

Gene: TruffulaTree_50 Start: 37350, Stop: 37613, Start Num: 42

Candidate Starts for TruffulaTree_50:

(Start: 42 @37350 has 120 MA's), (86, 37491),

Gene: Tuco_94 Start: 57641, Stop: 57901, Start Num: 57

Candidate Starts for Tuco_94:

(Start: 57 @57641 has 123 MA's), (67, 57662), (81, 57737), (92, 57806), (104, 57872),

Gene: Twitch_50 Start: 37473, Stop: 37736, Start Num: 42

Candidate Starts for Twitch_50:

(Start: 42 @37473 has 120 MA's), (86, 37614),

Gene: Ubuntu_75 Start: 48849, Stop: 49157, Start Num: 20

Candidate Starts for Ubuntu_75:

(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: Ukulele_88 Start: 56027, Stop: 56287, Start Num: 57

Candidate Starts for Ukulele_88:

(Start: 57 @56027 has 123 MA's), (67, 56048), (81, 56123), (92, 56192), (104, 56258),

Gene: UncleRicky_58 Start: 40176, Stop: 40460, Start Num: 25

Candidate Starts for UncleRicky_58:

(18, 40149), (Start: 25 @40176 has 156 MA's), (37, 40200), (55, 40215), (73, 40260), (75, 40272), (88, 40350), (91, 40362), (95, 40386), (97, 40398), (110, 40452),

Gene: Unicorn_53 Start: 37175, Stop: 37432, Start Num: 42
Candidate Starts for Unicorn_53:
(Start: 42 @37175 has 120 MA's), (51, 37196), (75, 37250), (86, 37313), (87, 37322), (101, 37400),

Gene: Urkel_51 Start: 38242, Stop: 38505, Start Num: 42
Candidate Starts for Urkel_51:
(5, 37990), (Start: 42 @38242 has 120 MA's), (71, 38296), (83, 38365), (86, 38383),

Gene: VRedHorse_59 Start: 39252, Stop: 39533, Start Num: 25
Candidate Starts for VRedHorse_59:
(18, 39225), (Start: 25 @39252 has 156 MA's), (37, 39276), (55, 39291), (73, 39336), (75, 39348), (88, 39426), (91, 39438), (95, 39462), (97, 39474), (110, 39525),

Gene: VWB_44 Start: 35402, Stop: 35647, Start Num: 48
Candidate Starts for VWB_44:
(9, 35270), (12, 35279), (13, 35282), (Start: 31 @35369 has 1 MA's), (Start: 47 @35399 has 6 MA's), (Start: 48 @35402 has 4 MA's), (86, 35531), (92, 35564), (95, 35582),

Gene: Validus_55 Start: 38351, Stop: 38623, Start Num: 42
Candidate Starts for Validus_55:
(Start: 42 @38351 has 120 MA's), (Start: 46 @38363 has 2 MA's), (81, 38453), (83, 38471), (86, 38489), (91, 38516), (105, 38594),

Gene: Veliki_51 Start: 37390, Stop: 37653, Start Num: 42
Candidate Starts for Veliki_51:
(Start: 42 @37390 has 120 MA's), (86, 37531),

Gene: Veteran_56 Start: 38956, Stop: 39237, Start Num: 25
Candidate Starts for Veteran_56:
(18, 38929), (Start: 25 @38956 has 156 MA's), (74, 39040), (76, 39049), (88, 39127), (91, 39139), (95, 39163), (97, 39175), (110, 39229),

Gene: Volt_97 Start: 48511, Stop: 48816, Start Num: 53
Candidate Starts for Volt_97:
(Start: 53 @48511 has 6 MA's), (70, 48544), (106, 48745), (115, 48769),

Gene: Webster2_75 Start: 48849, Stop: 49157, Start Num: 20
Candidate Starts for Webster2_75:
(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: Wee_63 Start: 41773, Stop: 42054, Start Num: 25
Candidate Starts for Wee_63:
(Start: 25 @41773 has 156 MA's), (37, 41797), (55, 41812), (73, 41857), (75, 41869), (88, 41947), (91, 41959), (95, 41983), (97, 41995), (110, 42046),

Gene: Wee_60 Start: 40789, Stop: 41067, Start Num: 28
Candidate Starts for Wee_60:
(Start: 28 @40789 has 1 MA's), (29, 40795), (Start: 30 @40798 has 1 MA's), (Start: 49 @40822 has 1 MA's), (91, 40981), (94, 40996), (95, 41002),

Gene: Whouxphf_56 Start: 39848, Stop: 40129, Start Num: 25
Candidate Starts for Whouxphf_56:

(18, 39821), (Start: 25 @39848 has 156 MA's), (37, 39872), (55, 39887), (73, 39932), (75, 39944), (88, 40022), (91, 40034), (95, 40058), (97, 40070), (110, 40121),

Gene: Wiggin_95 Start: 56303, Stop: 56563, Start Num: 57

Candidate Starts for Wiggin_95:

(Start: 57 @56303 has 123 MA's), (67, 56324), (81, 56399), (92, 56468), (104, 56534),

Gene: WillSterrel_60 Start: 41723, Stop: 42004, Start Num: 25

Candidate Starts for WillSterrel_60:

(18, 41696), (Start: 25 @41723 has 156 MA's), (37, 41747), (55, 41762), (73, 41807), (75, 41819), (88, 41897), (91, 41909), (95, 41933), (97, 41945), (110, 41996),

Gene: Willez_88 Start: 54914, Stop: 55174, Start Num: 57

Candidate Starts for Willez_88:

(Start: 57 @54914 has 123 MA's), (67, 54935), (81, 55010), (92, 55079), (104, 55145),

Gene: Wishmaker_68 Start: 48876, Stop: 49157, Start Num: 27

Candidate Starts for Wishmaker_68:

(19, 48843), (Start: 20 @48849 has 20 MA's), (Start: 27 @48876 has 2 MA's), (40, 48909), (78, 49011), (83, 49038), (102, 49149),

Gene: Xandras_92 Start: 56126, Stop: 56386, Start Num: 57

Candidate Starts for Xandras_92:

(Start: 57 @56126 has 123 MA's), (67, 56147), (81, 56222), (92, 56291), (104, 56357),

Gene: Ximenita_57 Start: 38244, Stop: 38495, Start Num: 42

Candidate Starts for Ximenita_57:

(Start: 42 @38244 has 120 MA's), (Start: 45 @38250 has 2 MA's), (86, 38382),

Gene: Yafa_7 Start: 5183, Stop: 4926, Start Num: 64

Candidate Starts for Yafa_7:

(33, 5243), (Start: 64 @5183 has 13 MA's), (80, 5111), (86, 5069), (99, 4994), (109, 4949),

Gene: YassJohnny_90 Start: 55767, Stop: 56027, Start Num: 57

Candidate Starts for YassJohnny_90:

(Start: 57 @55767 has 123 MA's), (67, 55788), (81, 55863), (92, 55932), (104, 55998),

Gene: Yorick_58 Start: 40310, Stop: 40591, Start Num: 25

Candidate Starts for Yorick_58:

(18, 40283), (Start: 25 @40310 has 156 MA's), (37, 40334), (55, 40349), (73, 40394), (75, 40406), (88, 40484), (91, 40496), (95, 40520), (97, 40532), (110, 40583),

Gene: Yoshi_72 Start: 41696, Stop: 41974, Start Num: 25

Candidate Starts for Yoshi_72:

(14, 41660), (Start: 25 @41696 has 156 MA's), (Start: 31 @41705 has 1 MA's), (71, 41762), (74, 41780), (76, 41789), (86, 41852), (88, 41867), (91, 41879), (95, 41903), (97, 41915), (110, 41966),

Gene: Youngblood_96 Start: 57596, Stop: 57856, Start Num: 57

Candidate Starts for Youngblood_96:

(Start: 57 @57596 has 123 MA's), (67, 57617), (81, 57692), (92, 57761), (104, 57827),

Gene: YoureAdopted_49 Start: 37555, Stop: 37818, Start Num: 42

Candidate Starts for YoureAdopted_49:

(Start: 42 @37555 has 120 MA's), (86, 37696),

Gene: Yuna_57 Start: 39151, Stop: 39429, Start Num: 42

Candidate Starts for Yuna_57:

(8, 39004), (Start: 42 @39151 has 120 MA's), (86, 39280), (93, 39325), (95, 39334),

Gene: Yunkel11_53 Start: 37143, Stop: 37406, Start Num: 42

Candidate Starts for Yunkel11_53:

(Start: 42 @37143 has 120 MA's), (Start: 46 @37155 has 2 MA's), (83, 37266), (86, 37284),

Gene: Zabiza_45 Start: 33661, Stop: 33924, Start Num: 42

Candidate Starts for Zabiza_45:

(Start: 42 @33661 has 120 MA's), (86, 33802),

Gene: Zapner_72 Start: 41849, Stop: 42133, Start Num: 25

Candidate Starts for Zapner_72:

(18, 41822), (Start: 25 @41849 has 156 MA's), (37, 41873), (55, 41888), (73, 41933), (75, 41945), (88, 42023), (91, 42035), (95, 42059), (97, 42071), (110, 42125),

Gene: Zavala_52 Start: 37632, Stop: 37895, Start Num: 42

Candidate Starts for Zavala_52:

(Start: 42 @37632 has 120 MA's), (86, 37773),

Gene: ZenTime222_40 Start: 31446, Stop: 31703, Start Num: 42

Candidate Starts for ZenTime222_40:

(4, 31170), (6, 31191), (Start: 42 @31446 has 120 MA's), (75, 31530), (91, 31620),

Gene: Zerg_59 Start: 39720, Stop: 40004, Start Num: 25

Candidate Starts for Zerg_59:

(18, 39693), (Start: 25 @39720 has 156 MA's), (37, 39744), (55, 39759), (73, 39804), (75, 39816), (88, 39894), (91, 39906), (95, 39930), (97, 39942), (110, 39996),

Gene: Ziko_96 Start: 48332, Stop: 48637, Start Num: 53

Candidate Starts for Ziko_96:

(Start: 53 @48332 has 6 MA's), (70, 48365), (106, 48566), (115, 48590),

Gene: Zizzle_63 Start: 41563, Stop: 41847, Start Num: 25

Candidate Starts for Zizzle_63:

(18, 41536), (Start: 25 @41563 has 156 MA's), (37, 41587), (55, 41602), (73, 41647), (75, 41659), (88, 41737), (91, 41749), (95, 41773), (97, 41785), (110, 41839),

Gene: ZoeJ_53 Start: 39008, Stop: 39238, Start Num: 48

Candidate Starts for ZoeJ_53:

(Start: 47 @39005 has 6 MA's), (Start: 48 @39008 has 4 MA's), (52, 39014), (56, 39020), (83, 39110), (84, 39116), (95, 39179),

Gene: xkcd_96 Start: 57780, Stop: 58040, Start Num: 57

Candidate Starts for xkcd_96:

(Start: 57 @57780 has 123 MA's), (67, 57801), (81, 57876), (92, 57945), (104, 58011),