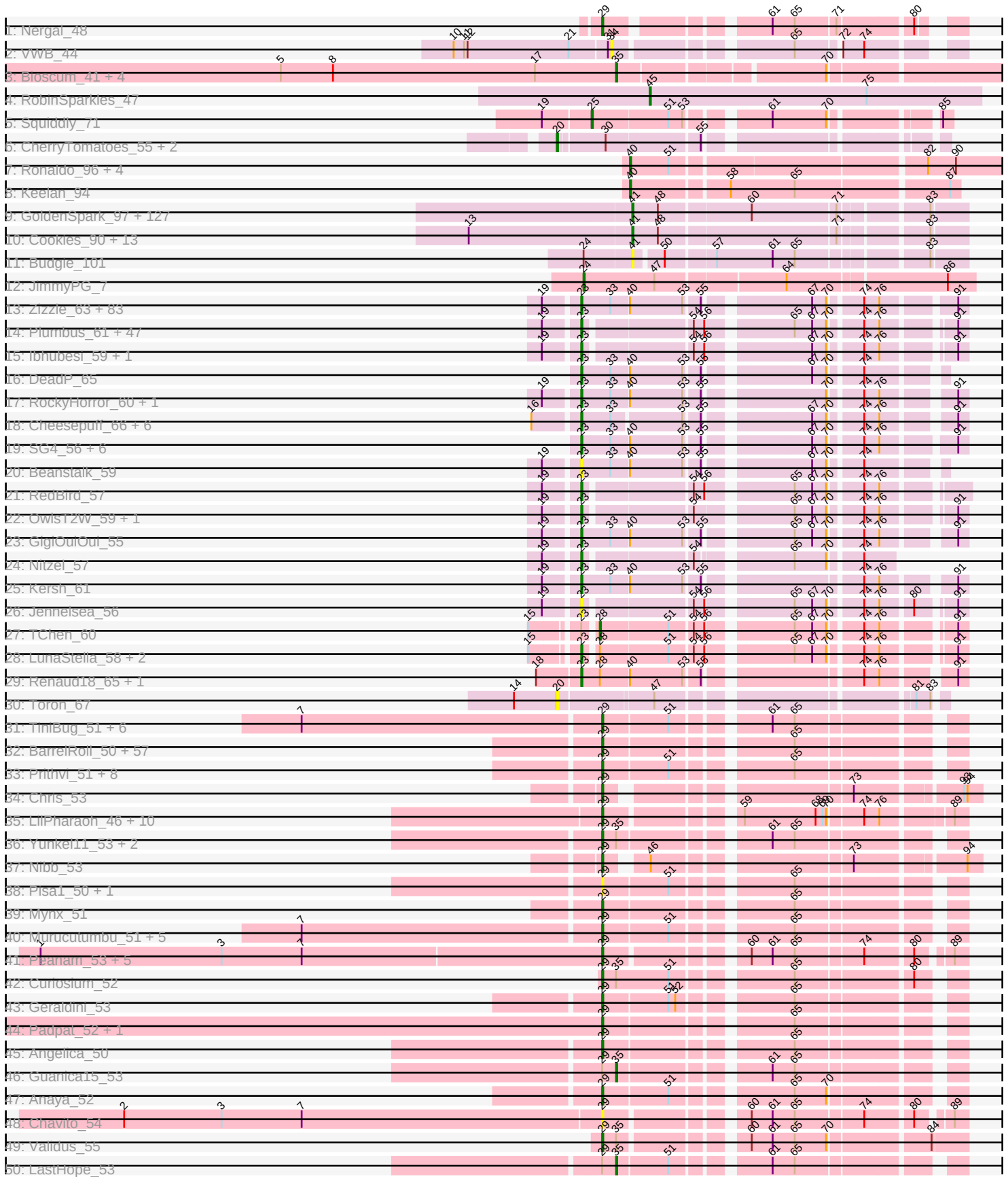
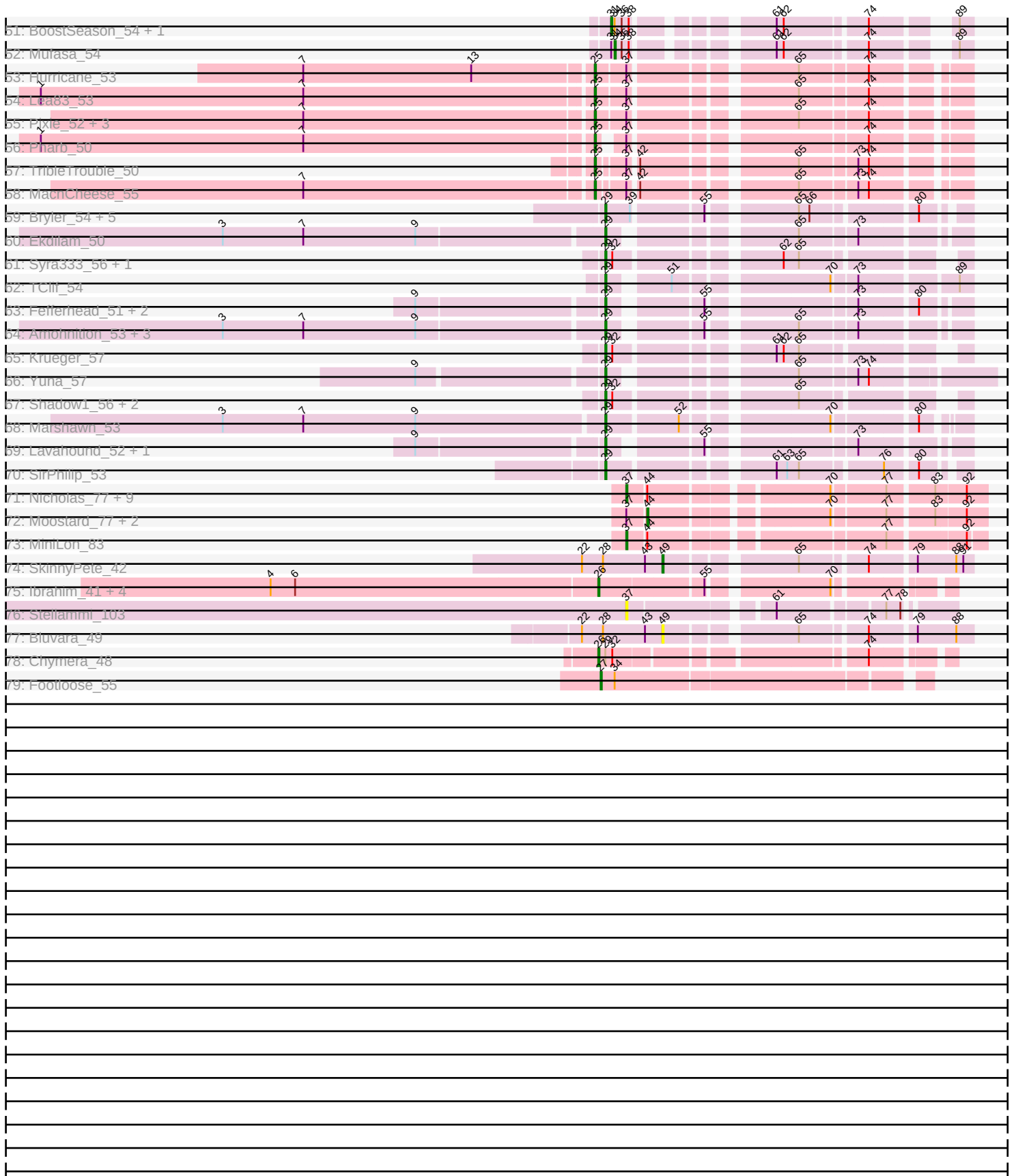


Pham 279974





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 279974 Report

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

Pham number 279974 has 505 members, 48 are drafts.

Phages represented in each track:

- Track 1 : Nergal_48
- Track 2 : VWB_44
- Track 3 : Bioscum_41, Lishka_37, PapayaSalad_40, Ididsumtinwong_41, Austintatious_37
- Track 4 : RobinSparkles_47
- Track 5 : Squiddly_71
- Track 6 : CherryTomatoes_55, SCentae_53, Pupper_53
- Track 7 : Ronaldo_96, Ziko_96, Guey18_98, Volt_97, Fryberger_93
- Track 8 : Keelan_94
- Track 9 : GoldenSpark_97, Thimble_95, HanKaySha_94, Lilpickle_92, BigBubba_93, Terminus_96, Contagion_89, Highbury_92, CrystalP_92, Cjw1_94, YassJohnny_90, ShamWow_93, Cactus_96, ChosenOne_93, TeardropMSU_89, Inca_90, Youngblood_96, Henry_91, Simpliphy_92, GooberAzure_96, Xandras_92, Brewer_88, BilboSwaggins_91, Holt_98, MadamMonkfish_93, Murica_96, Paperbeatsrock_92, NoSleep_94, Nala_95, JeTaime_94, Flypotenuse_89, OrionPax_92, Greep_97, Lilizi_94, Porky_92, Icee_94, Gemini_98, Kimchi_97, Tarkin_92, MollyToe_88, Gage_95, ShereKhan_91, Willez_88, Hopey_94, FireRed_97, Dusk_90, PhatBacter_97, Qualification_94, Palpatine_95, FairyPath_93, Stark_95, Easy2Say_94, NelitzaMV_91, Eureka_92, Kanye_90, Hoonter_96, SirDuracell_93, BaboJay_93, Sotrice96_94, Murphy_93, Lilac_96, Goldilocks_96, StolenFromERC_96, Tuco_94, NonchalantPear_91, Miniwave_88, Amao_93, MISSy_94, Phrux_91, Glexan_92, Bruin_90, Thresher_96, Bench_96, Command613_95, Becksu_92, 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, Dumbo_93, Toto_91, HuffyPuff_95, xkcd_96, MPhalcon_94, Harella_93, Adnama_97, Traaww1_89, Pharsalus_90, BugsBunny_93, Filch_95, Policronamos_96, StellaBean_91, Wiggins_95, Ukulele_88, Czyszczonek_94, Maxxinista_96, Mindy_92, Kostya_93, Moldemort_96, Stank_95, Emmina_93, RiverMonster_94, Elite2014_92, Bogg_93, Barbarian_92, Ptowny_90, Phaux_96
- Track 10 : Cookies_90, Buck_94, FoghornLeghorn_87, TeamEdward_93, Balomoji_93, Rimmer_91, Bask21_93, DoctorDiddles_92, Gator_91, Daikon_94, StormChicken_95, Petra64142_98, Pat3_90, ChotaBhai_93
- Track 11 : Budgie_101
- Track 12 : JimmyPG_7

- Track 13 : Zizzle_63, Phatniss_57, Llij_55, Rita_60, Scottish_57, Soul22_65, GUmbie_57, EleanorGeorge_60, Mahavrat_57, Koella_53, Mozy_68, Peridot_60, Zapner_72, Maravista_60, Radiance_58, Totinger_58, ByChance_51, Zerg_59, Rockne_60, James_63, Pippy_57, UncleRicky_58, VRedHorse_59, LastJedi_53, Lucia_59, Crumble_54, Fancypants_61, Drago_57, Blexus_57, Strokeseat_55, Karhdo_56, Sabbb_63, Jabbawokkie_73, Lizziana_65, Whouxphf_56, Tootsieroll_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, SwagPigglett_64, Pollywog_60, NormanBulbieJr_59, IrishSherpFalk_60, Priscilla_59, Saal_61, BuzzLyseyear_65, Alexphander_63, DaddyRickover_58, Doug_61, OlympiaSaint_61, ShroomBoi_61, Mandlovu_55, Yorick_58, WillSterrel_60, Jacob_59, Violac_61, Latretium_61, 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, Rialto_65, Lorde_59
- Track 14 : Plumbus_61, Cornucopia_61, SimranZ1_59, Daenerys_53, AlpineSix_64, Job42_61, Pacc40_53, Nivrat_55, LunaBlu_61, Dorothy_57, KingMidas_58, Avani_67, Seabastian_64, Jinglebell_64, Ochi17_62, Leozinho_58, DosHalletts_61, Stap_57, Modragons_63, Inventum_54, Phasih_57, Leperchaun_51, Girr_57, JoeyJr_54, PHappiness_54, Ruby_55, Mwanjiwa_65, NewHope4_60, Polo2Bam_64, 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 15 : Ibhubesi_59, Veteran_56
- Track 16 : DeadP_65
- Track 17 : RockyHorror_60, BlueCrab_59
- Track 18 : Cheesepuff_66, MulchExplorer_66, QuickMath_61, Starcevich_59, Kimberlium_62, Topiatin_67, Cornie_55
- Track 19 : SG4_56, Wee_63, Hegedechwinu_59, IbOuu_60, MinionDave_58, Enby_60, CaptainTrips_56
- Track 20 : Beanstalk_59
- Track 21 : RedBird_57
- Track 22 : OwlsT2W_59, Grimmer_69
- Track 23 : GigiOuiOui_55
- Track 24 : Nitzel_57
- Track 25 : Kersh_61
- Track 26 : JennelSea_56
- Track 27 : TChen_60
- Track 28 : LunaStella_58, Yoshi_72, ThetaBob_64
- Track 29 : Renaud18_65, Demsculpinboyz_70
- Track 30 : Toron_67
- Track 31 : TiniBug_51, SamuelLPlaqson_51, DartGoblin_53, DrHayes_51, Bella96_51, Anma_52, Urkel_51
- Track 32 : BarrelRoll_50, MacKat_45, AlishaPH_50, BaghaKamala_49, Bern_51, 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, Clipper_53, Peel_50, 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, Zabiza_45, Belladonna_50, Homura_50, YoureAdopted_49, Inky_50, Lunahalos_50, TaiwanKao_52, HedwigODU_50, CallaLilly_50, MeaningOfLife_51, Llorens_50, Padfoot_50, Jeckyll_50, Boiii_50,

BGIlluviae_50, BEEST_50, Ganymede_51, Piatt_50, ShiaSurprise_51, Jarvi_50, Twitch_50

- Track 33 : Prithvi_51, CrimD_50, LaterM_51, Megsy_52, LindNT_49, TreyKay_51, Deby_50, Tiri_51, Pokerus_49

- Track 34 : Chris_53

- Track 35 : LilPharaoh_46, Torres_49, SgtBeansprout_46, Trice_46, Enkosi_48, Nutello_46, Amelie_46, Nikao_49, Teejan_48, Mdavu_47, Binglebops_46

- Track 36 : Yunkel11_53, Efra2_53, TingHuaYa_51

- Track 37 : Nibb_53

- Track 38 : Pisa1_50, Pisa4_44

- Track 39 : Mynx_51

- Track 40 : Murucutumbu_51, Illumine_53, Dole_53, Ageofdapage_52, Devera_55, Stinson_51

- Track 41 : Peanam_53, Dartin_53, Shaobing_53, Richo_53, McMater_53, Niklas_53

- Track 42 : Curiosium_52

- Track 43 : Geraldini_53

- Track 44 : Padpat_52, Emerson_51

- Track 45 : Angelica_50

- Track 46 : Guanica15_53

- Track 47 : Anaya_52

- Track 48 : Chavito_54

- Track 49 : Validus_55

- Track 50 : LastHope_53

- Track 51 : BoostSeason_54, Doughnut_54

- Track 52 : Mufasa_54

- Track 53 : Hurricane_53

- Track 54 : Lea83_53

- Track 55 : Pixie_52, Keshu_55, TBond007_51, ShedlockHolmes_54

- Track 56 : Pharb_50

- Track 57 : TribbleTrouble_50

- Track 58 : MacnCheese_55

- Track 59 : Bryler_54, Cain_54, Tierra_54, PhelpsODU_53, Phrank_54, Unicorn_53

- Track 60 : Ekdilam_50

- Track 61 : Syra333_56, Tigress9_57

- Track 62 : TClif_54

- Track 63 : Fefferhead_51, Applecrisp_50, Ellie_49

- Track 64 : Amohnition_53, DarthP_53, Hammy_53, November_51

- Track 65 : Krueger_57

- Track 66 : Yuna_57

- Track 67 : Shadow1_56, Sunflower1121_57, Ximenita_57

- Track 68 : Marshawn_53

- Track 69 : Lavahound_52, Amgine_51

- Track 70 : SirPhilip_53

- Track 71 : Nicholas_77, Clautastrophe_77, Kingsolomon_77, Snenia_78, Finnry_79, TriFive_80, Bellis_79, Jobypre_79, MsGreen_79, Jubie_78

- Track 72 : Moostard_77, Red305_80, Samty_78

- Track 73 : MiniLon_83

- Track 74 : SkinnyPete_42

- Track 75 : Ibrahim_41, Nairb_40, ZenTime222_40, Bernal13_41, RonRayGun_41

- Track 76 : Stellammi_103

- Track 77 : Bluvara_49

- Track 78 : Chymera_48

- Track 79 : Footloose_55

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

The start number called the most often in the published annotations is 23, it was called in 151 of the 457 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alexphander_63, AlpineSix_64, Avani_67, Beanstalk_59, 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, CheesePuff_66, Chuckly_62, Clifton_54, Cornie_55, Cornucopia_61, Crumble_54, DRBy19_62, DaddyRickover_58, Daenerys_53, DeadP_65, Demsculpinboyz_70, DillTech15_56, DirtMcgirt_58, Doomphist_59, Dorothy_57, DosHalletts_61, Doug_61, Drago_57, EleanorGeorge_60, Empress_57, Enby_60, Eradicator_52, Estave1_62, Fancypants_61, Fastidio_59, Firehouse51_60, FreddyB_60, GUmbie_57, Galactic_58, Gandolph_62, GigiOuiOui_55, Girr_57, Gorge_63, Grimmer_69, Hades_60, Hegedechwinu_59, Hlubikazi_55, IbOuu_60, Ibhubesi_59, Inventum_54, IrishSherpFalk_60, Jabbawokkie_73, James_63, Jacob_59, Jennelsea_56, 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, Lizziana_65, Llama_64, Llij_55, Lorde_59, Lucia_59, LunaBlu_61, LunaStella_58, MadMen_57, Mahavrat_57, Mandlovu_55, Maravista_60, Martik_59, Mattes_63, MinionDave_58, MisterCuddles_57, Modragons_63, Mozy_68, MulchExplorer_66, Mutaforma13_63, Mwanjiwa_65, NewHope4_60, Nitzel_57, Nivrat_55, NormanBulbieJr_59, Ochi17_62, OfUltron_64, Oksu_63, OldBen_56, OlympiaSaint_61, OwlSt2W_59, PHappiness_54, PMC_56, Pacc40_53, Peridot_60, Phasih_57, Phatniss_57, Philus_62, Pippy_57, Plumbus_61, Poenanya_59, Polka14_57, Pollywog_60, Polo2Bam_64, 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, SimranZ1_59, Soul22_65, Spartacus_61, Spikelee_66, Spoonbill_56, Stap_57, Starceвич_59, Strokeseat_55, SwagPiggett_64, ThetaBob_64, Tootsieroll_60, Topiatin_67, Totinger_58, UncleRicky_58, VRedHorse_59, Veteran_56, Violac_61, 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, ActinUp_50, Adephagia_50, Adnama_97, Adonis_50, Ageofdapage_52, AlishaPH_50, Amao_93, Amelie_46, AmericanBeauty_97, Amgine_51, Amohnition_53, Anaya_52, Angelica_50, Anma_52, Apocalypse_53, Applecrisp_50, Argent26_97, Asayake_50, Asriel_91, Atiba_51, Austintatious_37, BEEST_50, BGlluviae_50, BaboJay_93, BadStone_90, BaghaKamala_49, Balomoji_93, Barbarian_92, BarrelRoll_50, Bask21_93, Becksu_92, Beezoo_52, Bella96_51, Belladonna_50, Bellis_79, Bench_96, Bern_51, Bernal13_41, BigBubba_93, Biglebops_46, BilboSwaggins_91, Bioscum_41, Blizzard_50, Bluvvara_49, Bogg_93, Boiii_50, BoostSeason_54, Brewer_88, Bruin_90, Bryler_54,

Buck_94, Budgie_101, BugsBunny_93, CREW_50, Cactus_96, Cain_54, CallaLilly_50, Capricorn_50, CaseJules_52, Chavito_54, CheetoDust_49, CherryTomatoes_55, ChosenOne_93, ChotaBhai_93, Chris_53, Chymera_48, Cjw1_94, Clautastrophe_77, Clipper_53, Command613_95, Contagion_89, Cookies_90, CrimD_50, CrystalP_92, Curiosium_52, Czyszczonek_94, Daikon_94, Dalmuri_50, DartGoblin_53, DarthP_53, Dartin_53, Deby_50, Devera_55, DoctorDiddles_92, Dole_53, Doughnut_54, DrDrey_93, DrHayes_51, Dumbo_93, Durfee_50, Dusk_90, Easy2Say_94, Efra2_53, Ekdilam_50, Elite2014_92, Ellie_49, Elph10_94, Emerson_51, Emmina_93, Enkosi_48, Eureka_92, FairyPath_93, Fefferhead_51, Filch_95, Finnry_79, FireRed_97, Flypotenuse_89, FoghornLeghorn_87, Footloose_55, Fryberger_93, Gage_95, Ganymede_51, Gator_91, Gemini_98, Geraldini_53, Glexan_92, Goku_92, GoldenSpark_97, Goldilocks_96, GooberAzure_96, Greep_97, Guanica15_53, Guey18_98, Hammy_53, HanKaySha_94, Harella_93, HedwigODU_50, Henry_91, Highbury_92, Holt_98, Homura_50, Hoonter_96, Hopey_94, HuffyPuff_95, Hurricane_53, Hyperbowlee_50, IHOP_91, Ibrahim_41, Icee_94, Ididsumtinwong_41, Illumine_53, Inca_90, Inky_50, JAWS_50, Jarvi_50, Jayhawk_51, JeTaime_94, Jeckyll_50, JimmyPG_7, Jobypre_79, Joy99_50, Jubie_78, Kanye_90, Keelan_94, Keshu_55, Kimchi_97, Kingsolomon_77, Kostya_93, Krueger_57, LastHope_53, LaterM_51, Lavahound_52, Lea83_53, LilPharaoh_46, Lilac_96, Lilizi_94, Lilpickle_92, LindNT_49, Lishka_37, Llorens_50, Lunahalos_50, MISSy_94, MPhalcon_94, MacKat_45, MacnCheese_55, MadamMonkfish_93, Manda_95, Marshawn_53, Marshmallow_91, Maxxinista_96, McMater_53, Mdavu_47, MeaningOfLife_51, Megsy_52, Mindy_92, MiniLon_83, Miniwave_88, Misfit_94, Moldemort_96, MollyToe_88, Moostard_77, Mosby_89, MsGreen_79, Mufasa_54, Murica_96, Murphy_93, Murucutumbu_51, Mynx_51, Myrale_93, Nairb_40, Nala_95, NelitzaMV_91, Nergal_48, Nibb_53, Nicholas_77, Nikao_49, Niklas_53, Nimrod_94, NoSleep_94, NonchalantPear_91, November_51, Nutello_46, OrionPax_92, 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, Pisa1_50, Pisa4_44, Pixie_52, Pokerus_49, Policronamos_96, Porky_92, Prithvi_51, Ptowny_90, Pumpkin_97, Pupper_53, Qualification_94, QuincyRose_49, Rakim_94, Ramen_51, Rapunzel97_51, Red305_80, Richo_53, Rimmer_91, RiverMonster_94, RobinSparkles_47, RonRayGun_41, Ronaldo_96, Rosmarinus_50, SCentae_53, Saints25_92, Samty_78, SamuelLPlaqueson_51, Sassay_88, SgtBeansprout_46, Shadow1_56, ShamWow_93, Shaobing_53, ShedlockHolmes_54, ShereKhan_91, ShiaSurprise_51, 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, Stellammi_103, Stinson_51, StolenFromERC_96, StormChicken_95, Sulley_50, Sunflower1121_57, Syra333_56, TBond007_51, TBrady12_96, TClif_54, Tachez_50, TaiwanKao_52, Tarkin_92, TeamEdward_93, TeardropMSU_89, Teaspoon_94, Teejan_48, Terminus_96, Thimble_95, Thresher_96, Tierra_54, Tigress9_57, TingHuaYa_51, TiniBug_51, Tiri_51, Tomaszewski_88, Topper_50, Toron_67, Torres_49, Toto_91, Traaww1_89, TreyKay_51, TriFive_80, TripleTrouble_50, Trice_46, TruffulaTree_50, Tuco_94, Twitch_50, Ukulele_88, Unicorn_53, Urkel_51, VWB_44, Validus_55, Veliki_51, Volt_97, Wiggin_95, Willez_88, Xandras_92, Ximenita_57, YassJohnny_90, Youngblood_96, YoureAdopted_49, Yuna_57, Yunkel11_53, Zabiza_45, Zavala_52, ZenTime222_40, Ziko_96, xkcd_96,

Summary by start number:

Start 20:

- Found in 4 of 505 (0.8%) of genes in pham
- Manual Annotations of this start: 3 of 457
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CherryTomatoes_55 (DO), Pupper_53 (DO), SCentae_53 (DO), Toron_67 (F6),

Start 23:

- Found in 165 of 505 (32.7%) of genes in pham
- Manual Annotations of this start: 151 of 457
- Called 99.4% of time when present
- Phage (with cluster) where this start called: Alexphander_63 (F1), AlpineSix_64 (F1), Avani_67 (F2), Beanstalk_59 (F1), 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), CheesePuff_66 (F1), Chuckly_62 (F1), Clifton_54 (F1), Cornie_55 (F5), Cornucopia_61 (F1), Crumble_54 (F1), DRBy19_62 (F1), DaddyRickover_58 (F1), Daenerys_53 (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), 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), Grimmer_69 (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), Jacob_59 (F1), Jennelsea_56 (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), Lizziana_65 (F1), Llama_64 (F1), Llij_55 (F1), Lorde_59 (F1), Lucia_59 (F1), LunaBlu_61 (F1), LunaStella_58 (F4), MadMen_57 (F1), Mahavrat_57 (F1), Mandlovu_55 (F1), Maravista_60 (F1), Martik_59 (F1), Mattes_63 (F1), MinionDave_58 (F1), MisterCuddles_57 (F1), Modragons_63 (F1), Mozy_68 (F1), MulchExplorer_66 (F1), Mutaforma13_63 (F1), Mwanjiwa_65 (F1), NewHope4_60 (F1), Nitzel_57 (F1), Nivrat_55 (F1), NormanBulbieJr_59 (F1), Ochi17_62 (F1), OfUltron_64 (F1), Oksu_63 (F1), OldBen_56 (F1), OlympiaSaint_61 (F1), OwlsT2W_59 (F1), PHappiness_54 (F1), PMC_56 (F1), Pacc40_53 (F1), Peridot_60 (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), Polo2Bam_64 (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), Sabb_63 (F1), Sassafras_57 (F1), Scottish_57 (F1), Seabastian_64 (F1), ShiLan_58 (F1), ShowerHandel_62 (F1), ShroomBoi_61 (F1), SimranZ1_59 (F1), Soul22_65 (F2), Spartacus_61 (F1), Spikelee_66 (F1), Spoonbill_56 (F1), Stap_57 (F1), Starcevic_59 (F1), Strokeseat_55 (F1), SwagPigglett_64 (F1), ThetaBob_64 (F4), Tootsieroll_60 (F1), Topiatin_67 (F1), Totinger_58 (F1), UncleRicky_58 (F1), VRedHorse_59 (F1), Veteran_56 (F1), Violac_61 (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 24:

- Found in 2 of 505 (0.4%) of genes in pham

- Manual Annotations of this start: 1 of 457
- Called 50.0% of time when present
- Phage (with cluster) where this start called: JimmyPG_7 (EK2),

Start 25:

- Found in 10 of 505 (2.0%) of genes in pham
- Manual Annotations of this start: 10 of 457
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hurricane_53 (K3), Keshu_55 (K3), Lea83_53 (K3), MacnCheese_55 (K3), Pharb_50 (K3), Pixie_52 (K3), ShedlockHolmes_54 (K3), Squiddly_71 (DN2), TBond007_51 (K3), TripleTrouble_50 (K3),

Start 26:

- Found in 6 of 505 (1.2%) of genes in pham
- Manual Annotations of this start: 6 of 457
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bernal13_41 (T), Chymera_48 (singleton), Ibrahim_41 (T), Nairb_40 (T), RonRayGun_41 (T), ZenTime222_40 (T),

Start 27:

- Found in 1 of 505 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 457
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Footloose_55 (singleton),

Start 28:

- Found in 8 of 505 (1.6%) of genes in pham
- Manual Annotations of this start: 1 of 457
- Called 12.5% of time when present
- Phage (with cluster) where this start called: TChen_60 (F4),

Start 29:

- Found in 143 of 505 (28.3%) of genes in pham
- Manual Annotations of this start: 126 of 457
- Called 97.9% 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), Amgine_51 (K6), Amohnition_53 (K6), Anaya_52 (K1), Angelica_50 (K1), Anma_52 (K1), Apocalypse_53 (K1), Applecrisp_50 (K6), Asayake_50 (K1), Atiba_51 (K1), BEEST_50 (K1), BGlluvia_50 (K1), BaghaKamala_49 (K1), BarrelRoll_50 (K1), Beezoo_52 (K1), Bella96_51 (K1), Belladonna_50 (K1), Bern_51 (K1), Biglebops_46 (K1), Blizzard_50 (K1), Boiii_50 (K1), Bryler_54 (K6), CREW_50 (K1), Cain_54 (K6), CallaLilly_50 (K1), Capricorn_50 (K1), CaseJules_52 (K1), Chavito_54 (K1), CheetoDust_49 (K1), Chris_53 (K1), Clipper_53 (K1), CrimD_50 (K1), Curiosium_52 (K1), Dalmuri_50 (K1), DartGoblin_53 (K1), DARTH_53 (K6), Dartin_53 (K1), Deby_50 (K1), Devera_55 (K1), Dole_53 (K1), DrHayes_51 (K1), Durfee_50 (K1), Efra2_53 (K1), Ekdilam_50 (K6), Ellie_49 (K6), Emerson_51 (K1), Enkosi_48 (K1), Fefferhead_51 (K6), Ganymede_51 (K1), Geraldini_53 (K1), Hammy_53 (K6), HedwigODU_50 (K1), Homura_50 (K1), Hyperbowlee_50 (K1), Illumine_53 (K1), Inky_50 (K1), JAWS_50 (K1), Jarvi_50 (K1), Jayhawk_51 (K1), Jeckyll_50 (K1), Joy99_50 (K1), Krueger_57 (K6), LaterM_51 (K1), Lavahound_52 (K6), LilPharaoh_46 (K1), LindNT_49 (K1), Llorens_50 (K1), Lunahalos_50 (K1),

MacKat_45 (K1), Marshawn_53 (K6), McMater_53 (K1), Mdavu_47 (K1), MeaningOfLife_51 (K1), Megsy_52 (K1), Murucutumbu_51 (K1), Mynx_51 (K1), Nergal_48 (AG), Nibb_53 (K1), Nikao_49 (K1), Niklas_53 (K1), November_51 (K6), Nutello_46 (K1), Padfoot_50 (K1), Padpat_52 (K1), Peanam_53 (K1), Peel_50 (K1), PhelpsODU_53 (K6), Phrank_54 (K6), Piatt_50 (K1), Pisa1_50 (K1), Pisa4_44 (K1), Pokerus_49 (K1), Prithvi_51 (K1), QuincyRose_49 (K1), Ramen_51 (K1), Rapunzel97_51 (K1), Richo_53 (K1), Rosmarinus_50 (K1), SamuelLPlaqson_51 (K1), 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), TClif_54 (K6), Tachez_50 (K1), TaiwanKao_52 (K1), Teejan_48 (K1), Tierra_54 (K6), Tigress9_57 (K6), TingHuaYa_51 (K1), TiniBug_51 (K1), Tiri_51 (K1), Topper_50 (K1), Torres_49 (K1), TreyKay_51 (K1), Trice_46 (K1), TruffulaTree_50 (K1), Twitch_50 (K1), Unicorn_53 (K6), Urkel_51 (K1), Validus_55 (K1), Veliki_51 (K1), Ximenita_57 (K6), YoureAdopted_49 (K1), Yuna_57 (K6), Yunkel11_53 (K1), Zabiza_45 (K1), Zavala_52 (K1),

Start 31:

- Found in 4 of 505 (0.8%) of genes in pham
- Manual Annotations of this start: 2 of 457
- Called 50.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_54 (K2), Doughnut_54 (K2),

Start 34:

- Found in 5 of 505 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 457
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Mufasa_54 (K2), VWB_44 (BA),

Start 35:

- Found in 12 of 505 (2.4%) of genes in pham
- Manual Annotations of this start: 7 of 457
- Called 58.3% of time when present
- Phage (with cluster) where this start called: Austintatious_37 (BC3), Bioscum_41 (BC3), Guanica15_53 (K1), Ididsuntinwong_41 (BC3), LastHope_53 (K1), Lishka_37 (BC3), PapayaSalad_40 (BC3),

Start 37:

- Found in 24 of 505 (4.8%) of genes in pham
- Manual Annotations of this start: 11 of 457
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Bellis_79 (L3), Clautastrophe_77 (L3), Finnry_79 (L3), Jobypre_79 (L3), Jubie_78 (L3), Kingsolomon_77 (L3), MiniLon_83 (L3), MsGreen_79 (L3), Nicholas_77 (L3), Snenia_78 (L3), Stellammi_103 (UNK), TriFive_80 (L3),

Start 40:

- Found in 105 of 505 (20.8%) of genes in pham
- Manual Annotations of this start: 6 of 457
- Called 5.7% 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 41:

- Found in 143 of 505 (28.3%) of genes in pham
- Manual Annotations of this start: 127 of 457
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 244_94 (E), ABCat_90 (E), Adnama_97 (E), Amao_93 (E), AmericanBeauty_97 (E), Argent26_97 (E), Asriel_91 (E), BaboJay_93 (E), BadStone_90 (E), Balomoji_93 (E), Barbarian_92 (E), Bask21_93 (E), Becksu_92 (E), Bench_96 (E), BigBubba_93 (E), BilboSwaggins_91 (E), Bogg_93 (E), Brewer_88 (E), Bruin_90 (E), Buck_94 (E), Budgie_101 (E), BugsBunny_93 (E), Cactus_96 (E), ChosenOne_93 (E), ChotaBhai_93 (E), Cjw1_94 (E), Command613_95 (E), Contagion_89 (E), Cookies_90 (E), CrystalP_92 (E), Czystaczon1_94 (E), Daikon_94 (E), DoctorDiddles_92 (E), DrDrey_93 (E), Dumbo_93 (E), Dusk_90 (E), Easy2Say_94 (E), Elite2014_92 (E), Elph10_94 (E), Emmina_93 (E), Eureka_92 (E), FairyPath_93 (E), Filch_95 (E), FireRed_97 (E), Flypotenuse_89 (E), FoghornLeghorn_87 (E), Gage_95 (E), Gator_91 (E), Gemini_98 (E), Glexan_92 (E), Goku_92 (E), GoldenSpark_97 (E), Goldilocks_96 (E), GooberAzure_96 (E), Greep_97 (E), HanKaySha_94 (E), Harella_93 (E), Henry_91 (E), Highbury_92 (E), Holt_98 (E), Hoonter_96 (E), Hopey_94 (E), 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), MollyToe_88 (E), Mosby_89 (E), Murica_96 (E), Murphy_93 (E), Myrale_93 (E), Nala_95 (E), NelitzaMV_91 (E), Nimrod_94 (E), NoSleep_94 (E), NonchalantPear_91 (E), OrionPax_92 (E), Palpatine_95 (E), Paperbeatsrock_92 (E), Pat3_90 (E), Petra64142_98 (E), Phaja_91 (E), Pharsalus_90 (E), PhatBacter_97 (E), Phaux_96 (E), Phrux_91 (E), Policronamos_96 (E), Porky_92 (E), Ptowny_90 (E), Pumpkin_97 (E), 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), StormChicken_95 (E), TBrady12_96 (E), Tarkin_92 (E), TeamEdward_93 (E), TeardropMSU_89 (E), Teaspoon_94 (E), Terminus_96 (E), Thimble_95 (E), Thresher_96 (E), Tomaszewski_88 (E), Toto_91 (E), Traaww1_89 (E), Tuco_94 (E), Ukulele_88 (E), Wiggin_95 (E), Willez_88 (E), Xandras_92 (E), YassJohnny_90 (E), Youngblood_96 (E), xkcd_96 (E),

Start 44:

- Found in 14 of 505 (2.8%) of genes in pham
- Manual Annotations of this start: 2 of 457
- Called 21.4% of time when present
- Phage (with cluster) where this start called: Moostard_77 (L3), Red305_80 (L3), Samty_78 (L3),

Start 45:

- Found in 1 of 505 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 457
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RobinSparkles_47 (CX),

Start 49:

- Found in 2 of 505 (0.4%) of genes in pham

- Manual Annotations of this start: 1 of 457
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bluvara_49 (UNK), SkinnyPete_42 (N),

Summary by clusters:

There are 24 clusters represented in this pham: DO, singleton, BA, K3, K2, K1, K6, DP, DN2, E, AG, F, N, CX, L3, UNK, F1, F2, F4, F5, F6, T, EK2, BC3,

Info for manual annotations of cluster AG:

- Start number 29 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster BC3:

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

Info for manual annotations of cluster CX:

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

Info for manual annotations of cluster DN2:

- Start number 25 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster DO:

- Start number 20 was manually annotated 3 times for cluster DO.

Info for manual annotations of cluster DP:

- Start number 40 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster E:

- Start number 41 was manually annotated 127 times for cluster E.

Info for manual annotations of cluster EK2:

- Start number 24 was manually annotated 1 time for cluster EK2.

Info for manual annotations of cluster F1:

- Start number 23 was manually annotated 141 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 23 was manually annotated 6 times for cluster F2.

Info for manual annotations of cluster F4:

- Start number 23 was manually annotated 3 times for cluster F4.
- Start number 28 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster F5:

- Start number 23 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster K1:

- Start number 29 was manually annotated 101 times for cluster K1.
- Start number 35 was manually annotated 2 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 31 was manually annotated 2 times for cluster K2.
- Start number 34 was manually annotated 1 time for cluster K2.

Info for manual annotations of cluster K3:

- Start number 25 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K6:

- Start number 29 was manually annotated 24 times for cluster K6.

Info for manual annotations of cluster L3:

- Start number 37 was manually annotated 11 times for cluster L3.
- Start number 44 was manually annotated 2 times for cluster L3.

Info for manual annotations of cluster N:

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

Info for manual annotations of cluster T:

- Start number 26 was manually annotated 5 times for cluster T.

Gene Information:

Gene: 244_94 Start: 56440, Stop: 56700, Start Num: 41

Candidate Starts for 244_94:

(Start: 41 @56440 has 127 MA's), (48, 56461), (60, 56536), (71, 56605), (83, 56671),

Gene: ABCat_90 Start: 57128, Stop: 57388, Start Num: 41

Candidate Starts for ABCat_90:

(Start: 41 @57128 has 127 MA's), (48, 57149), (60, 57224), (71, 57293), (83, 57359),

Gene: ActinUp_50 Start: 37356, Stop: 37619, Start Num: 29

Candidate Starts for ActinUp_50:

(Start: 29 @37356 has 126 MA's), (65, 37497),

Gene: Adephagia_50 Start: 37353, Stop: 37616, Start Num: 29

Candidate Starts for Adephagia_50:

(Start: 29 @37353 has 126 MA's), (65, 37494),

Gene: Adnama_97 Start: 56736, Stop: 56996, Start Num: 41

Candidate Starts for Adnama_97:

(Start: 41 @56736 has 127 MA's), (48, 56757), (60, 56832), (71, 56901), (83, 56967),

Gene: Adonis_50 Start: 37651, Stop: 37914, Start Num: 29

Candidate Starts for Adonis_50:

(Start: 29 @37651 has 126 MA's), (65, 37792),

Gene: Ageofdapage_52 Start: 38336, Stop: 38599, Start Num: 29

Candidate Starts for Ageofdapage_52:

(7, 38084), (Start: 29 @38336 has 126 MA's), (51, 38390), (65, 38477),

Gene: Alexphander_63 Start: 40422, Stop: 40706, Start Num: 23

Candidate Starts for Alexphander_63:

(19, 40395), (Start: 23 @40422 has 151 MA's), (33, 40446), (Start: 40 @40461 has 6 MA's), (53, 40506), (55, 40518), (67, 40596), (70, 40608), (74, 40632), (76, 40644), (91, 40698),

Gene: AlishaPH_50 Start: 37626, Stop: 37889, Start Num: 29

Candidate Starts for AlishaPH_50:

(Start: 29 @37626 has 126 MA's), (65, 37767),

Gene: AlpineSix_64 Start: 42541, Stop: 42819, Start Num: 23

Candidate Starts for AlpineSix_64:

(19, 42514), (Start: 23 @42541 has 151 MA's), (54, 42625), (56, 42634), (65, 42697), (67, 42712), (70, 42724), (74, 42748), (76, 42760), (91, 42811),

Gene: Amao_93 Start: 56248, Stop: 56508, Start Num: 41

Candidate Starts for Amao_93:

(Start: 41 @56248 has 127 MA's), (48, 56269), (60, 56344), (71, 56413), (83, 56479),

Gene: Amelie_46 Start: 37040, Stop: 37309, Start Num: 29

Candidate Starts for Amelie_46:

(Start: 29 @37040 has 126 MA's), (59, 37136), (68, 37196), (69, 37202), (70, 37205), (74, 37232), (76, 37244), (89, 37298),

Gene: AmericanBeauty_97 Start: 57297, Stop: 57557, Start Num: 41

Candidate Starts for AmericanBeauty_97:

(Start: 41 @57297 has 127 MA's), (48, 57318), (60, 57393), (71, 57462), (83, 57528),

Gene: Amgine_51 Start: 38553, Stop: 38807, Start Num: 29

Candidate Starts for Amgine_51:

(9, 38403), (Start: 29 @38553 has 126 MA's), (55, 38619), (73, 38727),

Gene: Amohnition_53 Start: 38560, Stop: 38814, Start Num: 29

Candidate Starts for Amohnition_53:

(3, 38242), (7, 38311), (9, 38407), (Start: 29 @38560 has 126 MA's), (55, 38626), (65, 38689), (73, 38734),

Gene: Anaya_52 Start: 37953, Stop: 38216, Start Num: 29

Candidate Starts for Anaya_52:

(Start: 29 @37953 has 126 MA's), (51, 38007), (65, 38094), (70, 38121),

Gene: Angelica_50 Start: 37583, Stop: 37846, Start Num: 29

Candidate Starts for Angelica_50:

(Start: 29 @37583 has 126 MA's), (65, 37724),

Gene: Anma_52 Start: 38242, Stop: 38505, Start Num: 29

Candidate Starts for Anma_52:

(7, 37990), (Start: 29 @38242 has 126 MA's), (51, 38296), (61, 38365), (65, 38383),

Gene: Apocalypse_53 Start: 38362, Stop: 38625, Start Num: 29

Candidate Starts for Apocalypse_53:

(Start: 29 @38362 has 126 MA's), (65, 38503),

Gene: Applecrisp_50 Start: 38049, Stop: 38303, Start Num: 29

Candidate Starts for Applecrisp_50:

(9, 37899), (Start: 29 @38049 has 126 MA's), (55, 38115), (73, 38223), (80, 38268),

Gene: Argent26_97 Start: 56657, Stop: 56917, Start Num: 41

Candidate Starts for Argent26_97:

(Start: 41 @56657 has 127 MA's), (48, 56678), (60, 56753), (71, 56822), (83, 56888),

Gene: Asayake_50 Start: 37668, Stop: 37931, Start Num: 29

Candidate Starts for Asayake_50:

(Start: 29 @37668 has 126 MA's), (65, 37809),

Gene: Asriel_91 Start: 55073, Stop: 55333, Start Num: 41

Candidate Starts for Asriel_91:

(Start: 41 @55073 has 127 MA's), (48, 55094), (60, 55169), (71, 55238), (83, 55304),

Gene: Atiba_51 Start: 37316, Stop: 37579, Start Num: 29

Candidate Starts for Atiba_51:

(Start: 29 @37316 has 126 MA's), (65, 37457),

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

Candidate Starts for Austintatious_37:

(5, 24966), (8, 25011), (17, 25185), (Start: 35 @25254 has 7 MA's), (70, 25416),

Gene: Avani_67 Start: 40740, Stop: 41018, Start Num: 23

Candidate Starts for Avani_67:

(19, 40713), (Start: 23 @40740 has 151 MA's), (54, 40824), (56, 40833), (65, 40896), (67, 40911), (70, 40923), (74, 40947), (76, 40959), (91, 41010),

Gene: BEEST_50 Start: 37668, Stop: 37931, Start Num: 29

Candidate Starts for BEEST_50:

(Start: 29 @37668 has 126 MA's), (65, 37809),

Gene: BGlluviae_50 Start: 37471, Stop: 37734, Start Num: 29

Candidate Starts for BGlluviae_50:

(Start: 29 @37471 has 126 MA's), (65, 37612),

Gene: BaboJay_93 Start: 57319, Stop: 57579, Start Num: 41

Candidate Starts for BaboJay_93:

(Start: 41 @57319 has 127 MA's), (48, 57340), (60, 57415), (71, 57484), (83, 57550),

Gene: BadStone_90 Start: 56697, Stop: 56957, Start Num: 41

Candidate Starts for BadStone_90:

(Start: 41 @56697 has 127 MA's), (48, 56718), (60, 56793), (71, 56862), (83, 56928),

Gene: BaghaKamala_49 Start: 36791, Stop: 37054, Start Num: 29

Candidate Starts for BaghaKamala_49:

(Start: 29 @36791 has 126 MA's), (65, 36932),

Gene: Balomoji_93 Start: 56855, Stop: 57115, Start Num: 41

Candidate Starts for Balomoji_93:

(13, 56717), (Start: 41 @56855 has 127 MA's), (48, 56876), (71, 57020), (83, 57086),

Gene: Barbarian_92 Start: 55073, Stop: 55333, Start Num: 41

Candidate Starts for Barbarian_92:

(Start: 41 @55073 has 127 MA's), (48, 55094), (60, 55169), (71, 55238), (83, 55304),

Gene: BarrelRoll_50 Start: 37339, Stop: 37602, Start Num: 29

Candidate Starts for BarrelRoll_50:

(Start: 29 @37339 has 126 MA's), (65, 37480),

Gene: Bask21_93 Start: 55708, Stop: 55968, Start Num: 41

Candidate Starts for Bask21_93:

(13, 55570), (Start: 41 @55708 has 127 MA's), (48, 55729), (71, 55873), (83, 55939),

Gene: Beanstalk_59 Start: 38741, Stop: 39007, Start Num: 23

Candidate Starts for Beanstalk_59:

(19, 38714), (Start: 23 @38741 has 151 MA's), (33, 38765), (Start: 40 @38780 has 6 MA's), (53, 38825), (55, 38837), (67, 38915), (70, 38927), (74, 38951),

Gene: Becksu_92 Start: 57049, Stop: 57309, Start Num: 41

Candidate Starts for Becksu_92:

(Start: 41 @57049 has 127 MA's), (48, 57070), (60, 57145), (71, 57214), (83, 57280),

Gene: Beezoo_52 Start: 38314, Stop: 38577, Start Num: 29

Candidate Starts for Beezoo_52:

(Start: 29 @38314 has 126 MA's), (65, 38455),

Gene: Bella96_51 Start: 38180, Stop: 38443, Start Num: 29

Candidate Starts for Bella96_51:

(7, 37928), (Start: 29 @38180 has 126 MA's), (51, 38234), (61, 38303), (65, 38321),

Gene: Belladonna_50 Start: 37471, Stop: 37734, Start Num: 29

Candidate Starts for Belladonna_50:

(Start: 29 @37471 has 126 MA's), (65, 37612),

Gene: Bellis_79 Start: 53796, Stop: 54065, Start Num: 37

Candidate Starts for Bellis_79:

(Start: 37 @53796 has 11 MA's), (Start: 44 @53811 has 2 MA's), (70, 53946), (77, 53988), (83, 54024), (92, 54048),

Gene: Bench_96 Start: 56792, Stop: 57052, Start Num: 41

Candidate Starts for Bench_96:

(Start: 41 @56792 has 127 MA's), (48, 56813), (60, 56888), (71, 56957), (83, 57023),

Gene: Bern_51 Start: 36386, Stop: 36649, Start Num: 29

Candidate Starts for Bern_51:

(Start: 29 @36386 has 126 MA's), (65, 36527),

Gene: Bernal13_41 Start: 31446, Stop: 31703, Start Num: 26

Candidate Starts for Bernal13_41:

(4, 31170), (6, 31191), (Start: 26 @31446 has 6 MA's), (55, 31530), (70, 31620),

Gene: BigBubba_93 Start: 56089, Stop: 56349, Start Num: 41

Candidate Starts for BigBubba_93:

(Start: 41 @56089 has 127 MA's), (48, 56110), (60, 56185), (71, 56254), (83, 56320),

Gene: Binglebops_46 Start: 37040, Stop: 37309, Start Num: 29

Candidate Starts for Binglebops_46:

(Start: 29 @37040 has 126 MA's), (59, 37136), (68, 37196), (69, 37202), (70, 37205), (74, 37232), (76, 37244), (89, 37298),

Gene: BilboSwaggins_91 Start: 57094, Stop: 57354, Start Num: 41

Candidate Starts for BilboSwaggins_91:

(Start: 41 @57094 has 127 MA's), (48, 57115), (60, 57190), (71, 57259), (83, 57325),

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

Candidate Starts for Bioscum_41:

(5, 27267), (8, 27312), (17, 27486), (Start: 35 @27555 has 7 MA's), (70, 27717),

Gene: Blarby_71 Start: 41835, Stop: 42119, Start Num: 23

Candidate Starts for Blarby_71:

(19, 41808), (Start: 23 @41835 has 151 MA's), (33, 41859), (Start: 40 @41874 has 6 MA's), (53, 41919), (55, 41931), (67, 42009), (70, 42021), (74, 42045), (76, 42057), (91, 42111),

Gene: Blexus_57 Start: 40392, Stop: 40673, Start Num: 23

Candidate Starts for Blexus_57:

(19, 40365), (Start: 23 @40392 has 151 MA's), (33, 40416), (Start: 40 @40431 has 6 MA's), (53, 40476), (55, 40488), (67, 40566), (70, 40578), (74, 40602), (76, 40614), (91, 40665),

Gene: Blizzard_50 Start: 37668, Stop: 37931, Start Num: 29

Candidate Starts for Blizzard_50:

(Start: 29 @37668 has 126 MA's), (65, 37809),

Gene: BlueCrab_59 Start: 40700, Stop: 40978, Start Num: 23

Candidate Starts for BlueCrab_59:

(19, 40673), (Start: 23 @40700 has 151 MA's), (33, 40724), (Start: 40 @40736 has 6 MA's), (53, 40781), (55, 40793), (70, 40883), (74, 40907), (76, 40919), (91, 40970),

Gene: Bluvara_49 Start: 36316, Stop: 36546, Start Num: 49

Candidate Starts for Bluvara_49:

(22, 36247), (Start: 28 @36265 has 1 MA's), (43, 36301), (Start: 49 @36316 has 1 MA's), (65, 36412), (74, 36463), (79, 36499), (88, 36532),

Gene: BobaPhett_63 Start: 42651, Stop: 42935, Start Num: 23

Candidate Starts for BobaPhett_63:

(19, 42624), (Start: 23 @42651 has 151 MA's), (33, 42675), (Start: 40 @42690 has 6 MA's), (53, 42735), (55, 42747), (67, 42825), (70, 42837), (74, 42861), (76, 42873), (91, 42927),

Gene: BodEinwohner17_59 Start: 39462, Stop: 39740, Start Num: 23

Candidate Starts for BodEinwohner17_59:

(19, 39435), (Start: 23 @39462 has 151 MA's), (54, 39546), (56, 39555), (65, 39618), (67, 39633), (70, 39645), (74, 39669), (76, 39681), (91, 39732),

Gene: Bogg_93 Start: 56007, Stop: 56267, Start Num: 41

Candidate Starts for Bogg_93:

(Start: 41 @56007 has 127 MA's), (48, 56028), (60, 56103), (71, 56172), (83, 56238),

Gene: Boiiii_50 Start: 37670, Stop: 37933, Start Num: 29

Candidate Starts for Boiiii_50:

(Start: 29 @37670 has 126 MA's), (65, 37811),

Gene: Boomer_64 Start: 42326, Stop: 42610, Start Num: 23

Candidate Starts for Boomer_64:

(19, 42299), (Start: 23 @42326 has 151 MA's), (33, 42350), (Start: 40 @42365 has 6 MA's), (53, 42410), (55, 42422), (67, 42500), (70, 42512), (74, 42536), (76, 42548), (91, 42602),

Gene: BoostSeason_54 Start: 39128, Stop: 39364, Start Num: 31

Candidate Starts for BoostSeason_54:

(Start: 31 @39128 has 2 MA's), (Start: 34 @39131 has 1 MA's), (36, 39137), (38, 39143), (61, 39233), (62, 39239), (74, 39302), (89, 39353),

Gene: Brewer_88 Start: 55594, Stop: 55854, Start Num: 41

Candidate Starts for Brewer_88:

(Start: 41 @55594 has 127 MA's), (48, 55615), (60, 55690), (71, 55759), (83, 55825),

Gene: Brocalys_54 Start: 36836, Stop: 37117, Start Num: 23

Candidate Starts for Brocalys_54:

(19, 36809), (Start: 23 @36836 has 151 MA's), (33, 36860), (Start: 40 @36875 has 6 MA's), (53, 36920), (55, 36932), (67, 37010), (70, 37022), (74, 37046), (76, 37058), (91, 37109),

Gene: Bruin_90 Start: 55671, Stop: 55931, Start Num: 41

Candidate Starts for Bruin_90:

(Start: 41 @55671 has 127 MA's), (48, 55692), (60, 55767), (71, 55836), (83, 55902),

Gene: Bryler_54 Start: 37154, Stop: 37411, Start Num: 29

Candidate Starts for Bryler_54:

(Start: 29 @37154 has 126 MA's), (39, 37175), (55, 37229), (65, 37292), (66, 37301), (80, 37379),

Gene: Buck_94 Start: 57360, Stop: 57620, Start Num: 41

Candidate Starts for Buck_94:

(13, 57222), (Start: 41 @57360 has 127 MA's), (48, 57381), (71, 57525), (83, 57591),

Gene: Budgie_101 Start: 56700, Stop: 56954, Start Num: 41

Candidate Starts for Budgie_101:

(Start: 24 @56661 has 1 MA's), (Start: 41 @56700 has 127 MA's), (50, 56721), (57, 56760), (61, 56808), (65, 56826), (83, 56925),

Gene: BugsBunny_93 Start: 57200, Stop: 57460, Start Num: 41

Candidate Starts for BugsBunny_93:

(Start: 41 @57200 has 127 MA's), (48, 57221), (60, 57296), (71, 57365), (83, 57431),

Gene: Burwell21_57 Start: 39934, Stop: 40218, Start Num: 23

Candidate Starts for Burwell21_57:

(19, 39907), (Start: 23 @39934 has 151 MA's), (33, 39958), (Start: 40 @39973 has 6 MA's), (53, 40018), (55, 40030), (67, 40108), (70, 40120), (74, 40144), (76, 40156), (91, 40210),

Gene: BuzzLyseyear_65 Start: 41358, Stop: 41639, Start Num: 23

Candidate Starts for BuzzLyseyear_65:

(19, 41331), (Start: 23 @41358 has 151 MA's), (33, 41382), (Start: 40 @41397 has 6 MA's), (53, 41442), (55, 41454), (67, 41532), (70, 41544), (74, 41568), (76, 41580), (91, 41631),

Gene: ByChance_51 Start: 35625, Stop: 35906, Start Num: 23

Candidate Starts for ByChance_51:

(19, 35598), (Start: 23 @35625 has 151 MA's), (33, 35649), (Start: 40 @35661 has 6 MA's), (53, 35706), (55, 35718), (67, 35796), (70, 35808), (74, 35832), (76, 35844), (91, 35898),

Gene: Byougenkin_57 Start: 39701, Stop: 39982, Start Num: 23

Candidate Starts for Byougenkin_57:

(19, 39674), (Start: 23 @39701 has 151 MA's), (33, 39725), (Start: 40 @39740 has 6 MA's), (53, 39785), (55, 39797), (67, 39875), (70, 39887), (74, 39911), (76, 39923), (91, 39974),

Gene: CREW_50 Start: 37471, Stop: 37734, Start Num: 29

Candidate Starts for CREW_50:

(Start: 29 @37471 has 126 MA's), (65, 37612),

Gene: Cabrinians_60 Start: 40012, Stop: 40296, Start Num: 23

Candidate Starts for Cabrinians_60:

(19, 39985), (Start: 23 @40012 has 151 MA's), (33, 40036), (Start: 40 @40051 has 6 MA's), (53, 40096), (55, 40108), (67, 40186), (70, 40198), (74, 40222), (76, 40234), (91, 40288),

Gene: Cactus_96 Start: 55737, Stop: 55997, Start Num: 41

Candidate Starts for Cactus_96:

(Start: 41 @55737 has 127 MA's), (48, 55758), (60, 55833), (71, 55902), (83, 55968),

Gene: Cain_54 Start: 37142, Stop: 37399, Start Num: 29

Candidate Starts for Cain_54:

(Start: 29 @37142 has 126 MA's), (39, 37163), (55, 37217), (65, 37280), (66, 37289), (80, 37367),

Gene: CallaLilly_50 Start: 37394, Stop: 37657, Start Num: 29

Candidate Starts for CallaLilly_50:

(Start: 29 @37394 has 126 MA's), (65, 37535),

Gene: Capricorn_50 Start: 37471, Stop: 37734, Start Num: 29

Candidate Starts for Capricorn_50:

(Start: 29 @37471 has 126 MA's), (65, 37612),

Gene: CaptainTrips_56 Start: 39508, Stop: 39792, Start Num: 23

Candidate Starts for CaptainTrips_56:

(Start: 23 @39508 has 151 MA's), (33, 39532), (Start: 40 @39547 has 6 MA's), (53, 39592), (55, 39604), (67, 39682), (70, 39694), (74, 39718), (76, 39730), (91, 39784),

Gene: CaseJules_52 Start: 37668, Stop: 37931, Start Num: 29

Candidate Starts for CaseJules_52:

(Start: 29 @37668 has 126 MA's), (65, 37809),

Gene: Chavito_54 Start: 38944, Stop: 39207, Start Num: 29

Candidate Starts for Chavito_54:

(2, 38536), (3, 38620), (7, 38689), (Start: 29 @38944 has 126 MA's), (60, 39046), (61, 39064), (65, 39082), (74, 39136), (80, 39172), (89, 39196),

Gene: Cheesepuff_66 Start: 41977, Stop: 42255, Start Num: 23

Candidate Starts for Cheesepuff_66:

(16, 41941), (Start: 23 @41977 has 151 MA's), (33, 42001), (53, 42058), (55, 42070), (67, 42148), (70, 42160), (74, 42184), (76, 42196), (91, 42247),

Gene: CheetoDust_49 Start: 36840, Stop: 37103, Start Num: 29

Candidate Starts for CheetoDust_49:

(Start: 29 @36840 has 126 MA's), (65, 36981),

Gene: CherryTomatoes_55 Start: 18497, Stop: 18778, Start Num: 20

Candidate Starts for CherryTomatoes_55:

(Start: 20 @18497 has 3 MA's), (30, 18533), (55, 18608),

Gene: ChosenOne_93 Start: 56152, Stop: 56412, Start Num: 41

Candidate Starts for ChosenOne_93:

(Start: 41 @56152 has 127 MA's), (48, 56173), (60, 56248), (71, 56317), (83, 56383),

Gene: ChotaBhai_93 Start: 56073, Stop: 56333, Start Num: 41

Candidate Starts for ChotaBhai_93:

(13, 55935), (Start: 41 @56073 has 127 MA's), (48, 56094), (71, 56238), (83, 56304),

Gene: Chris_53 Start: 38292, Stop: 38561, Start Num: 29

Candidate Starts for Chris_53:

(Start: 29 @38292 has 126 MA's), (73, 38466), (93, 38547), (94, 38550),

Gene: Chuckly_62 Start: 40654, Stop: 40938, Start Num: 23

Candidate Starts for Chuckly_62:

(19, 40627), (Start: 23 @40654 has 151 MA's), (33, 40678), (Start: 40 @40693 has 6 MA's), (53, 40738), (55, 40750), (67, 40828), (70, 40840), (74, 40864), (76, 40876), (91, 40930),

Gene: Chymera_48 Start: 30948, Stop: 31208, Start Num: 26

Candidate Starts for Chymera_48:

(Start: 26 @30948 has 6 MA's), (Start: 29 @30954 has 126 MA's), (32, 30960), (74, 31149),

Gene: Cjw1_94 Start: 58116, Stop: 58376, Start Num: 41

Candidate Starts for Cjw1_94:

(Start: 41 @58116 has 127 MA's), (48, 58137), (60, 58212), (71, 58281), (83, 58347),

Gene: Clautastrophe_77 Start: 53794, Stop: 54063, Start Num: 37

Candidate Starts for Clautastrophe_77:

(Start: 37 @53794 has 11 MA's), (Start: 44 @53809 has 2 MA's), (70, 53944), (77, 53986), (83, 54022), (92, 54046),

Gene: Clifton_54 Start: 37187, Stop: 37468, Start Num: 23

Candidate Starts for Clifton_54:

(19, 37160), (Start: 23 @37187 has 151 MA's), (33, 37211), (Start: 40 @37226 has 6 MA's), (53, 37271), (55, 37283), (67, 37361), (70, 37373), (74, 37397), (76, 37409), (91, 37460),

Gene: Clipper_53 Start: 37987, Stop: 38250, Start Num: 29

Candidate Starts for Clipper_53:

(Start: 29 @37987 has 126 MA's), (65, 38128),

Gene: Command613_95 Start: 57191, Stop: 57451, Start Num: 41

Candidate Starts for Command613_95:

(Start: 41 @57191 has 127 MA's), (48, 57212), (60, 57287), (71, 57356), (83, 57422),

Gene: Contagion_89 Start: 55952, Stop: 56212, Start Num: 41

Candidate Starts for Contagion_89:

(Start: 41 @55952 has 127 MA's), (48, 55973), (60, 56048), (71, 56117), (83, 56183),

Gene: Cookies_90 Start: 55930, Stop: 56190, Start Num: 41

Candidate Starts for Cookies_90:

(13, 55792), (Start: 41 @55930 has 127 MA's), (48, 55951), (71, 56095), (83, 56161),

Gene: Cornie_55 Start: 38439, Stop: 38717, Start Num: 23

Candidate Starts for Cornie_55:

(16, 38403), (Start: 23 @38439 has 151 MA's), (33, 38463), (53, 38520), (55, 38532), (67, 38610), (70, 38622), (74, 38646), (76, 38658), (91, 38709),

Gene: Cornucopia_61 Start: 40668, Stop: 40946, Start Num: 23

Candidate Starts for Cornucopia_61:

(19, 40641), (Start: 23 @40668 has 151 MA's), (54, 40752), (56, 40761), (65, 40824), (67, 40839), (70, 40851), (74, 40875), (76, 40887), (91, 40938),

Gene: CrimD_50 Start: 37577, Stop: 37840, Start Num: 29

Candidate Starts for CrimD_50:

(Start: 29 @37577 has 126 MA's), (51, 37631), (65, 37718),

Gene: Crumble_54 Start: 35948, Stop: 36232, Start Num: 23

Candidate Starts for Crumble_54:

(19, 35921), (Start: 23 @35948 has 151 MA's), (33, 35972), (Start: 40 @35987 has 6 MA's), (53, 36032), (55, 36044), (67, 36122), (70, 36134), (74, 36158), (76, 36170), (91, 36224),

Gene: CrystalP_92 Start: 57094, Stop: 57354, Start Num: 41

Candidate Starts for CrystalP_92:

(Start: 41 @57094 has 127 MA's), (48, 57115), (60, 57190), (71, 57259), (83, 57325),

Gene: Curiosium_52 Start: 36255, Stop: 36521, Start Num: 29

Candidate Starts for Curiosium_52:

(Start: 29 @36255 has 126 MA's), (Start: 35 @36267 has 7 MA's), (51, 36312), (65, 36399), (80, 36489),

Gene: Czyszczone1_94 Start: 56655, Stop: 56915, Start Num: 41

Candidate Starts for Czyszczone1_94:

(Start: 41 @56655 has 127 MA's), (48, 56676), (60, 56751), (71, 56820), (83, 56886),

Gene: DRBy19_62 Start: 41112, Stop: 41393, Start Num: 23

Candidate Starts for DRBy19_62:

(19, 41085), (Start: 23 @41112 has 151 MA's), (54, 41196), (56, 41205), (65, 41268), (67, 41283), (70, 41295), (74, 41319), (76, 41331), (91, 41385),

Gene: DaddyRickover_58 Start: 40151, Stop: 40435, Start Num: 23

Candidate Starts for DaddyRickover_58:

(19, 40124), (Start: 23 @40151 has 151 MA's), (33, 40175), (Start: 40 @40190 has 6 MA's), (53, 40235), (55, 40247), (67, 40325), (70, 40337), (74, 40361), (76, 40373), (91, 40427),

Gene: Daenerys_53 Start: 38267, Stop: 38545, Start Num: 23

Candidate Starts for Daenerys_53:

(19, 38240), (Start: 23 @38267 has 151 MA's), (54, 38351), (56, 38360), (65, 38423), (67, 38438), (70, 38450), (74, 38474), (76, 38486), (91, 38537),

Gene: Daikon_94 Start: 56682, Stop: 56942, Start Num: 41
Candidate Starts for Daikon_94:
(13, 56544), (Start: 41 @56682 has 127 MA's), (48, 56703), (71, 56847), (83, 56913),

Gene: Dalmuri_50 Start: 37471, Stop: 37734, Start Num: 29
Candidate Starts for Dalmuri_50:
(Start: 29 @37471 has 126 MA's), (65, 37612),

Gene: DartGoblin_53 Start: 38152, Stop: 38415, Start Num: 29
Candidate Starts for DartGoblin_53:
(7, 37900), (Start: 29 @38152 has 126 MA's), (51, 38206), (61, 38275), (65, 38293),

Gene: DarthP_53 Start: 38444, Stop: 38698, Start Num: 29
Candidate Starts for DarthP_53:
(3, 38126), (7, 38195), (9, 38291), (Start: 29 @38444 has 126 MA's), (55, 38510), (65, 38573), (73, 38618),

Gene: Dartin_53 Start: 38285, Stop: 38548, Start Num: 29
Candidate Starts for Dartin_53:
(1, 37805), (3, 37961), (7, 38030), (Start: 29 @38285 has 126 MA's), (60, 38387), (61, 38405), (65, 38423), (74, 38477), (80, 38513), (89, 38537),

Gene: DeadP_65 Start: 42582, Stop: 42848, Start Num: 23
Candidate Starts for DeadP_65:
(Start: 23 @42582 has 151 MA's), (33, 42606), (Start: 40 @42621 has 6 MA's), (53, 42666), (55, 42678), (67, 42756), (70, 42768), (74, 42792),

Gene: Deby_50 Start: 37599, Stop: 37862, Start Num: 29
Candidate Starts for Deby_50:
(Start: 29 @37599 has 126 MA's), (51, 37653), (65, 37740),

Gene: Demsculpinboyz_70 Start: 39936, Stop: 40217, Start Num: 23
Candidate Starts for Demsculpinboyz_70:
(18, 39900), (Start: 23 @39936 has 151 MA's), (Start: 28 @39951 has 1 MA's), (Start: 40 @39975 has 6 MA's), (53, 40020), (55, 40032), (74, 40146), (76, 40158), (91, 40209),

Gene: Devera_55 Start: 38103, Stop: 38366, Start Num: 29
Candidate Starts for Devera_55:
(7, 37851), (Start: 29 @38103 has 126 MA's), (51, 38157), (65, 38244),

Gene: DillTech15_56 Start: 38601, Stop: 38879, Start Num: 23
Candidate Starts for DillTech15_56:
(19, 38574), (Start: 23 @38601 has 151 MA's), (54, 38685), (56, 38694), (65, 38757), (67, 38772), (70, 38784), (74, 38808), (76, 38820), (91, 38871),

Gene: DirtMcgirt_58 Start: 38676, Stop: 38960, Start Num: 23
Candidate Starts for DirtMcgirt_58:
(19, 38649), (Start: 23 @38676 has 151 MA's), (33, 38700), (Start: 40 @38715 has 6 MA's), (53, 38760), (55, 38772), (67, 38850), (70, 38862), (74, 38886), (76, 38898), (91, 38952),

Gene: DoctorDiddles_92 Start: 56117, Stop: 56377, Start Num: 41
Candidate Starts for DoctorDiddles_92:
(13, 55979), (Start: 41 @56117 has 127 MA's), (48, 56138), (71, 56282), (83, 56348),

Gene: Dole_53 Start: 38105, Stop: 38368, Start Num: 29

Candidate Starts for Dole_53:

(7, 37853), (Start: 29 @38105 has 126 MA's), (51, 38159), (65, 38246),

Gene: Doomphist_59 Start: 41112, Stop: 41390, Start Num: 23

Candidate Starts for Doomphist_59:

(19, 41085), (Start: 23 @41112 has 151 MA's), (54, 41196), (56, 41205), (65, 41268), (67, 41283), (70, 41295), (74, 41319), (76, 41331), (91, 41382),

Gene: Dorothy_57 Start: 39331, Stop: 39609, Start Num: 23

Candidate Starts for Dorothy_57:

(19, 39304), (Start: 23 @39331 has 151 MA's), (54, 39415), (56, 39424), (65, 39487), (67, 39502), (70, 39514), (74, 39538), (76, 39550), (91, 39601),

Gene: DosHalletts_61 Start: 41467, Stop: 41745, Start Num: 23

Candidate Starts for DosHalletts_61:

(19, 41440), (Start: 23 @41467 has 151 MA's), (54, 41551), (56, 41560), (65, 41623), (67, 41638), (70, 41650), (74, 41674), (76, 41686), (91, 41737),

Gene: Doug_61 Start: 40679, Stop: 40963, Start Num: 23

Candidate Starts for Doug_61:

(19, 40652), (Start: 23 @40679 has 151 MA's), (33, 40703), (Start: 40 @40718 has 6 MA's), (53, 40763), (55, 40775), (67, 40853), (70, 40865), (74, 40889), (76, 40901), (91, 40955),

Gene: Doughnut_54 Start: 39169, Stop: 39405, Start Num: 31

Candidate Starts for Doughnut_54:

(Start: 31 @39169 has 2 MA's), (Start: 34 @39172 has 1 MA's), (36, 39178), (38, 39184), (61, 39274), (62, 39280), (74, 39343), (89, 39394),

Gene: DrDrey_93 Start: 57574, Stop: 57834, Start Num: 41

Candidate Starts for DrDrey_93:

(Start: 41 @57574 has 127 MA's), (48, 57595), (60, 57670), (71, 57739), (83, 57805),

Gene: DrHayes_51 Start: 38242, Stop: 38505, Start Num: 29

Candidate Starts for DrHayes_51:

(7, 37990), (Start: 29 @38242 has 126 MA's), (51, 38296), (61, 38365), (65, 38383),

Gene: Drago_57 Start: 38679, Stop: 38963, Start Num: 23

Candidate Starts for Drago_57:

(19, 38652), (Start: 23 @38679 has 151 MA's), (33, 38703), (Start: 40 @38718 has 6 MA's), (53, 38763), (55, 38775), (67, 38853), (70, 38865), (74, 38889), (76, 38901), (91, 38955),

Gene: Dumbo_93 Start: 56054, Stop: 56314, Start Num: 41

Candidate Starts for Dumbo_93:

(Start: 41 @56054 has 127 MA's), (48, 56075), (60, 56150), (71, 56219), (83, 56285),

Gene: Durfee_50 Start: 37668, Stop: 37931, Start Num: 29

Candidate Starts for Durfee_50:

(Start: 29 @37668 has 126 MA's), (65, 37809),

Gene: Dusk_90 Start: 56357, Stop: 56617, Start Num: 41

Candidate Starts for Dusk_90:

(Start: 41 @56357 has 127 MA's), (48, 56378), (60, 56453), (71, 56522), (83, 56588),

Gene: Easy2Say_94 Start: 57556, Stop: 57816, Start Num: 41

Candidate Starts for Easy2Say_94:

(Start: 41 @57556 has 127 MA's), (48, 57577), (60, 57652), (71, 57721), (83, 57787),

Gene: Efra2_53 Start: 37187, Stop: 37450, Start Num: 29

Candidate Starts for Efra2_53:

(Start: 29 @37187 has 126 MA's), (Start: 35 @37199 has 7 MA's), (61, 37310), (65, 37328),

Gene: Ekdilam_50 Start: 37991, Stop: 38245, Start Num: 29

Candidate Starts for Ekdilam_50:

(3, 37673), (7, 37742), (9, 37838), (Start: 29 @37991 has 126 MA's), (65, 38120), (73, 38165),

Gene: EleanorGeorge_60 Start: 40795, Stop: 41076, Start Num: 23

Candidate Starts for EleanorGeorge_60:

(19, 40768), (Start: 23 @40795 has 151 MA's), (33, 40819), (Start: 40 @40834 has 6 MA's), (53, 40879), (55, 40891), (67, 40969), (70, 40981), (74, 41005), (76, 41017), (91, 41068),

Gene: Elite2014_92 Start: 56151, Stop: 56411, Start Num: 41

Candidate Starts for Elite2014_92:

(Start: 41 @56151 has 127 MA's), (48, 56172), (60, 56247), (71, 56316), (83, 56382),

Gene: Ellie_49 Start: 37741, Stop: 37995, Start Num: 29

Candidate Starts for Ellie_49:

(9, 37591), (Start: 29 @37741 has 126 MA's), (55, 37807), (73, 37915), (80, 37960),

Gene: Elph10_94 Start: 56144, Stop: 56404, Start Num: 41

Candidate Starts for Elph10_94:

(Start: 41 @56144 has 127 MA's), (48, 56165), (60, 56240), (71, 56309), (83, 56375),

Gene: Emerson_51 Start: 37347, Stop: 37610, Start Num: 29

Candidate Starts for Emerson_51:

(Start: 29 @37347 has 126 MA's), (65, 37488),

Gene: Emmina_93 Start: 55777, Stop: 56037, Start Num: 41

Candidate Starts for Emmina_93:

(Start: 41 @55777 has 127 MA's), (48, 55798), (60, 55873), (71, 55942), (83, 56008),

Gene: Empress_57 Start: 39681, Stop: 39959, Start Num: 23

Candidate Starts for Empress_57:

(19, 39654), (Start: 23 @39681 has 151 MA's), (54, 39765), (56, 39774), (65, 39837), (67, 39852), (70, 39864), (74, 39888), (76, 39900), (91, 39951),

Gene: Enby_60 Start: 38955, Stop: 39239, Start Num: 23

Candidate Starts for Enby_60:

(Start: 23 @38955 has 151 MA's), (33, 38979), (Start: 40 @38994 has 6 MA's), (53, 39039), (55, 39051), (67, 39129), (70, 39141), (74, 39165), (76, 39177), (91, 39231),

Gene: Enkosi_48 Start: 39653, Stop: 39922, Start Num: 29

Candidate Starts for Enkosi_48:

(Start: 29 @39653 has 126 MA's), (59, 39749), (68, 39809), (69, 39815), (70, 39818), (74, 39845), (76, 39857), (89, 39911),

Gene: Eradicator_52 Start: 38208, Stop: 38489, Start Num: 23

Candidate Starts for Eradicator_52:

(19, 38181), (Start: 23 @38208 has 151 MA's), (33, 38232), (Start: 40 @38247 has 6 MA's), (53, 38292), (55, 38304), (67, 38382), (70, 38394), (74, 38418), (76, 38430), (91, 38481),

Gene: Estave1_62 Start: 41132, Stop: 41410, Start Num: 23

Candidate Starts for Estave1_62:

(19, 41105), (Start: 23 @41132 has 151 MA's), (54, 41216), (56, 41225), (65, 41288), (67, 41303), (70, 41315), (74, 41339), (76, 41351), (91, 41402),

Gene: Eureka_92 Start: 57064, Stop: 57324, Start Num: 41

Candidate Starts for Eureka_92:

(Start: 41 @57064 has 127 MA's), (48, 57085), (60, 57160), (71, 57229), (83, 57295),

Gene: FairyPath_93 Start: 57270, Stop: 57530, Start Num: 41

Candidate Starts for FairyPath_93:

(Start: 41 @57270 has 127 MA's), (48, 57291), (60, 57366), (71, 57435), (83, 57501),

Gene: Fancypants_61 Start: 40646, Stop: 40930, Start Num: 23

Candidate Starts for Fancypants_61:

(19, 40619), (Start: 23 @40646 has 151 MA's), (33, 40670), (Start: 40 @40685 has 6 MA's), (53, 40730), (55, 40742), (67, 40820), (70, 40832), (74, 40856), (76, 40868), (91, 40922),

Gene: Fastidio_59 Start: 38748, Stop: 39026, Start Num: 23

Candidate Starts for Fastidio_59:

(19, 38721), (Start: 23 @38748 has 151 MA's), (54, 38832), (56, 38841), (65, 38904), (67, 38919), (70, 38931), (74, 38955), (76, 38967), (91, 39018),

Gene: Fefferhead_51 Start: 37691, Stop: 37945, Start Num: 29

Candidate Starts for Fefferhead_51:

(9, 37541), (Start: 29 @37691 has 126 MA's), (55, 37757), (73, 37865), (80, 37910),

Gene: Filch_95 Start: 56349, Stop: 56609, Start Num: 41

Candidate Starts for Filch_95:

(Start: 41 @56349 has 127 MA's), (48, 56370), (60, 56445), (71, 56514), (83, 56580),

Gene: Finnry_79 Start: 54045, Stop: 54314, Start Num: 37

Candidate Starts for Finnry_79:

(Start: 37 @54045 has 11 MA's), (Start: 44 @54060 has 2 MA's), (70, 54195), (77, 54237), (83, 54273), (92, 54297),

Gene: FireRed_97 Start: 57367, Stop: 57627, Start Num: 41

Candidate Starts for FireRed_97:

(Start: 41 @57367 has 127 MA's), (48, 57388), (60, 57463), (71, 57532), (83, 57598),

Gene: Firehouse51_60 Start: 43530, Stop: 43814, Start Num: 23

Candidate Starts for Firehouse51_60:

(19, 43503), (Start: 23 @43530 has 151 MA's), (33, 43554), (Start: 40 @43569 has 6 MA's), (53, 43614), (55, 43626), (67, 43704), (70, 43716), (74, 43740), (76, 43752), (91, 43806),

Gene: Flypotenuse_89 Start: 55727, Stop: 55987, Start Num: 41

Candidate Starts for Flypotenuse_89:

(Start: 41 @55727 has 127 MA's), (48, 55748), (60, 55823), (71, 55892), (83, 55958),

Gene: FoghornLeghorn_87 Start: 54752, Stop: 55012, Start Num: 41

Candidate Starts for FoghornLeghorn_87:

(13, 54614), (Start: 41 @54752 has 127 MA's), (48, 54773), (71, 54917), (83, 54983),

Gene: Footloose_55 Start: 31826, Stop: 32083, Start Num: 27

Candidate Starts for Footloose_55:

(Start: 27 @31826 has 1 MA's), (Start: 34 @31838 has 1 MA's),

Gene: FreddyB_60 Start: 38860, Stop: 39141, Start Num: 23

Candidate Starts for FreddyB_60:

(19, 38833), (Start: 23 @38860 has 151 MA's), (33, 38884), (Start: 40 @38899 has 6 MA's), (53, 38944), (55, 38956), (67, 39034), (70, 39046), (74, 39070), (76, 39082), (91, 39133),

Gene: Fryberger_93 Start: 47445, Stop: 47750, Start Num: 40

Candidate Starts for Fryberger_93:

(Start: 40 @47445 has 6 MA's), (51, 47478), (82, 47679), (90, 47703),

Gene: GUmbie_57 Start: 39435, Stop: 39716, Start Num: 23

Candidate Starts for GUmbie_57:

(19, 39408), (Start: 23 @39435 has 151 MA's), (33, 39459), (Start: 40 @39474 has 6 MA's), (53, 39519), (55, 39531), (67, 39609), (70, 39621), (74, 39645), (76, 39657), (91, 39708),

Gene: Gage_95 Start: 56798, Stop: 57058, Start Num: 41

Candidate Starts for Gage_95:

(Start: 41 @56798 has 127 MA's), (48, 56819), (60, 56894), (71, 56963), (83, 57029),

Gene: Galactic_58 Start: 39901, Stop: 40179, Start Num: 23

Candidate Starts for Galactic_58:

(19, 39874), (Start: 23 @39901 has 151 MA's), (54, 39985), (56, 39994), (65, 40057), (67, 40072), (70, 40084), (74, 40108), (76, 40120), (91, 40171),

Gene: Gandolph_62 Start: 40257, Stop: 40538, Start Num: 23

Candidate Starts for Gandolph_62:

(19, 40230), (Start: 23 @40257 has 151 MA's), (33, 40281), (Start: 40 @40296 has 6 MA's), (53, 40341), (55, 40353), (67, 40431), (70, 40443), (74, 40467), (76, 40479), (91, 40530),

Gene: Ganymede_51 Start: 37786, Stop: 38049, Start Num: 29

Candidate Starts for Ganymede_51:

(Start: 29 @37786 has 126 MA's), (65, 37927),

Gene: Gator_91 Start: 56582, Stop: 56842, Start Num: 41

Candidate Starts for Gator_91:

(13, 56444), (Start: 41 @56582 has 127 MA's), (48, 56603), (71, 56747), (83, 56813),

Gene: Gemini_98 Start: 57174, Stop: 57434, Start Num: 41

Candidate Starts for Gemini_98:

(Start: 41 @57174 has 127 MA's), (48, 57195), (60, 57270), (71, 57339), (83, 57405),

Gene: Geraldini_53 Start: 38403, Stop: 38666, Start Num: 29

Candidate Starts for Geraldini_53:

(Start: 29 @38403 has 126 MA's), (51, 38457), (52, 38463), (65, 38544),

Gene: GigiOuiOui_55 Start: 38875, Stop: 39156, Start Num: 23

Candidate Starts for GigiOuiOui_55:

(19, 38848), (Start: 23 @38875 has 151 MA's), (33, 38899), (Start: 40 @38914 has 6 MA's), (53, 38959), (55, 38971), (65, 39034), (67, 39049), (70, 39061), (74, 39085), (76, 39097), (91, 39148),

Gene: Girr_57 Start: 39742, Stop: 40020, Start Num: 23

Candidate Starts for Girr_57:

(19, 39715), (Start: 23 @39742 has 151 MA's), (54, 39826), (56, 39835), (65, 39898), (67, 39913), (70, 39925), (74, 39949), (76, 39961), (91, 40012),

Gene: Glexan_92 Start: 56857, Stop: 57117, Start Num: 41

Candidate Starts for Glexan_92:

(Start: 41 @56857 has 127 MA's), (48, 56878), (60, 56953), (71, 57022), (83, 57088),

Gene: Goku_92 Start: 56793, Stop: 57053, Start Num: 41

Candidate Starts for Goku_92:

(Start: 41 @56793 has 127 MA's), (48, 56814), (60, 56889), (71, 56958), (83, 57024),

Gene: GoldenSpark_97 Start: 56657, Stop: 56917, Start Num: 41

Candidate Starts for GoldenSpark_97:

(Start: 41 @56657 has 127 MA's), (48, 56678), (60, 56753), (71, 56822), (83, 56888),

Gene: Goldilocks_96 Start: 56015, Stop: 56275, Start Num: 41

Candidate Starts for Goldilocks_96:

(Start: 41 @56015 has 127 MA's), (48, 56036), (60, 56111), (71, 56180), (83, 56246),

Gene: GooberAzure_96 Start: 56657, Stop: 56917, Start Num: 41

Candidate Starts for GooberAzure_96:

(Start: 41 @56657 has 127 MA's), (48, 56678), (60, 56753), (71, 56822), (83, 56888),

Gene: Gorge_63 Start: 41377, Stop: 41658, Start Num: 23

Candidate Starts for Gorge_63:

(19, 41350), (Start: 23 @41377 has 151 MA's), (33, 41401), (Start: 40 @41416 has 6 MA's), (53, 41461), (55, 41473), (67, 41551), (70, 41563), (74, 41587), (76, 41599), (91, 41650),

Gene: Greep_97 Start: 57931, Stop: 58191, Start Num: 41

Candidate Starts for Greep_97:

(Start: 41 @57931 has 127 MA's), (48, 57952), (60, 58027), (71, 58096), (83, 58162),

Gene: Grimmer_69 Start: 41537, Stop: 41815, Start Num: 23

Candidate Starts for Grimmer_69:

(19, 41510), (Start: 23 @41537 has 151 MA's), (54, 41621), (65, 41693), (67, 41708), (70, 41720), (74, 41744), (76, 41756), (91, 41807),

Gene: Guanica15_53 Start: 37156, Stop: 37407, Start Num: 35

Candidate Starts for Guanica15_53:

(Start: 29 @37144 has 126 MA's), (Start: 35 @37156 has 7 MA's), (61, 37267), (65, 37285),

Gene: Guey18_98 Start: 48765, Stop: 49070, Start Num: 40

Candidate Starts for Guey18_98:

(Start: 40 @48765 has 6 MA's), (51, 48798), (82, 48999), (90, 49023),

Gene: Hades_60 Start: 40833, Stop: 41114, Start Num: 23

Candidate Starts for Hades_60:

(19, 40806), (Start: 23 @40833 has 151 MA's), (33, 40857), (Start: 40 @40872 has 6 MA's), (53, 40917), (55, 40929), (67, 41007), (70, 41019), (74, 41043), (76, 41055), (91, 41106),

Gene: Hammy_53 Start: 38432, Stop: 38686, Start Num: 29

Candidate Starts for Hammy_53:

(3, 38114), (7, 38183), (9, 38279), (Start: 29 @38432 has 126 MA's), (55, 38498), (65, 38561), (73, 38606),

Gene: HanKaySha_94 Start: 56224, Stop: 56484, Start Num: 41

Candidate Starts for HanKaySha_94:

(Start: 41 @56224 has 127 MA's), (48, 56245), (60, 56320), (71, 56389), (83, 56455),

Gene: Harella_93 Start: 57373, Stop: 57633, Start Num: 41

Candidate Starts for Harella_93:

(Start: 41 @57373 has 127 MA's), (48, 57394), (60, 57469), (71, 57538), (83, 57604),

Gene: HedwigODU_50 Start: 37356, Stop: 37619, Start Num: 29

Candidate Starts for HedwigODU_50:

(Start: 29 @37356 has 126 MA's), (65, 37497),

Gene: Hegedechwinu_59 Start: 39047, Stop: 39328, Start Num: 23

Candidate Starts for Hegedechwinu_59:

(Start: 23 @39047 has 151 MA's), (33, 39071), (Start: 40 @39086 has 6 MA's), (53, 39131), (55, 39143), (67, 39221), (70, 39233), (74, 39257), (76, 39269), (91, 39320),

Gene: Henry_91 Start: 56534, Stop: 56794, Start Num: 41

Candidate Starts for Henry_91:

(Start: 41 @56534 has 127 MA's), (48, 56555), (60, 56630), (71, 56699), (83, 56765),

Gene: Highbury_92 Start: 56224, Stop: 56484, Start Num: 41

Candidate Starts for Highbury_92:

(Start: 41 @56224 has 127 MA's), (48, 56245), (60, 56320), (71, 56389), (83, 56455),

Gene: Hlubikazi_55 Start: 38053, Stop: 38334, Start Num: 23

Candidate Starts for Hlubikazi_55:

(19, 38026), (Start: 23 @38053 has 151 MA's), (33, 38077), (Start: 40 @38092 has 6 MA's), (53, 38137), (55, 38149), (67, 38227), (70, 38239), (74, 38263), (76, 38275), (91, 38326),

Gene: Holt_98 Start: 57071, Stop: 57331, Start Num: 41

Candidate Starts for Holt_98:

(Start: 41 @57071 has 127 MA's), (48, 57092), (60, 57167), (71, 57236), (83, 57302),

Gene: Homura_50 Start: 37471, Stop: 37734, Start Num: 29

Candidate Starts for Homura_50:

(Start: 29 @37471 has 126 MA's), (65, 37612),

Gene: Hoonter_96 Start: 56529, Stop: 56789, Start Num: 41

Candidate Starts for Hoonter_96:

(Start: 41 @56529 has 127 MA's), (48, 56550), (60, 56625), (71, 56694), (83, 56760),

Gene: Hokey_94 Start: 57035, Stop: 57295, Start Num: 41

Candidate Starts for Hopey_94:

(Start: 41 @57035 has 127 MA's), (48, 57056), (60, 57131), (71, 57200), (83, 57266),

Gene: HufflyPuff_95 Start: 57119, Stop: 57379, Start Num: 41

Candidate Starts for HufflyPuff_95:

(Start: 41 @57119 has 127 MA's), (48, 57140), (60, 57215), (71, 57284), (83, 57350),

Gene: Hurricane_53 Start: 37919, Stop: 38188, Start Num: 25

Candidate Starts for Hurricane_53:

(7, 37679), (13, 37823), (Start: 25 @37919 has 10 MA's), (Start: 37 @37943 has 11 MA's), (65, 38063), (74, 38117),

Gene: Hyperbowlee_50 Start: 37668, Stop: 37931, Start Num: 29

Candidate Starts for Hyperbowlee_50:

(Start: 29 @37668 has 126 MA's), (65, 37809),

Gene: IHOP_91 Start: 56697, Stop: 56957, Start Num: 41

Candidate Starts for IHOP_91:

(Start: 41 @56697 has 127 MA's), (48, 56718), (60, 56793), (71, 56862), (83, 56928),

Gene: IbOuu_60 Start: 40412, Stop: 40696, Start Num: 23

Candidate Starts for IbOuu_60:

(Start: 23 @40412 has 151 MA's), (33, 40436), (Start: 40 @40451 has 6 MA's), (53, 40496), (55, 40508), (67, 40586), (70, 40598), (74, 40622), (76, 40634), (91, 40688),

Gene: Ibhubesi_59 Start: 40025, Stop: 40303, Start Num: 23

Candidate Starts for Ibhubesi_59:

(19, 39998), (Start: 23 @40025 has 151 MA's), (54, 40109), (56, 40118), (67, 40196), (70, 40208), (74, 40232), (76, 40244), (91, 40295),

Gene: Ibrahim_41 Start: 31892, Stop: 32149, Start Num: 26

Candidate Starts for Ibrahim_41:

(4, 31616), (6, 31637), (Start: 26 @31892 has 6 MA's), (55, 31976), (70, 32066),

Gene: Icee_94 Start: 56184, Stop: 56444, Start Num: 41

Candidate Starts for Icee_94:

(Start: 41 @56184 has 127 MA's), (48, 56205), (60, 56280), (71, 56349), (83, 56415),

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

Candidate Starts for Ididsumtinwong_41:

(5, 27267), (8, 27312), (17, 27486), (Start: 35 @27555 has 7 MA's), (70, 27717),

Gene: Illumine_53 Start: 38105, Stop: 38368, Start Num: 29

Candidate Starts for Illumine_53:

(7, 37853), (Start: 29 @38105 has 126 MA's), (51, 38159), (65, 38246),

Gene: Inca_90 Start: 55186, Stop: 55446, Start Num: 41

Candidate Starts for Inca_90:

(Start: 41 @55186 has 127 MA's), (48, 55207), (60, 55282), (71, 55351), (83, 55417),

Gene: Inky_50 Start: 37471, Stop: 37734, Start Num: 29

Candidate Starts for Inky_50:

(Start: 29 @37471 has 126 MA's), (65, 37612),

Gene: Inventum_54 Start: 39529, Stop: 39807, Start Num: 23

Candidate Starts for Inventum_54:

(19, 39502), (Start: 23 @39529 has 151 MA's), (54, 39613), (56, 39622), (65, 39685), (67, 39700), (70, 39712), (74, 39736), (76, 39748), (91, 39799),

Gene: IrishSherpFalk_60 Start: 41690, Stop: 41971, Start Num: 23

Candidate Starts for IrishSherpFalk_60:

(19, 41663), (Start: 23 @41690 has 151 MA's), (33, 41714), (Start: 40 @41729 has 6 MA's), (53, 41774), (55, 41786), (67, 41864), (70, 41876), (74, 41900), (76, 41912), (91, 41963),

Gene: JAWS_50 Start: 37345, Stop: 37608, Start Num: 29

Candidate Starts for JAWS_50:

(Start: 29 @37345 has 126 MA's), (65, 37486),

Gene: Jabbawokkie_73 Start: 41755, Stop: 42039, Start Num: 23

Candidate Starts for Jabbawokkie_73:

(19, 41728), (Start: 23 @41755 has 151 MA's), (33, 41779), (Start: 40 @41794 has 6 MA's), (53, 41839), (55, 41851), (67, 41929), (70, 41941), (74, 41965), (76, 41977), (91, 42031),

Gene: James_63 Start: 41502, Stop: 41783, Start Num: 23

Candidate Starts for James_63:

(19, 41475), (Start: 23 @41502 has 151 MA's), (33, 41526), (Start: 40 @41541 has 6 MA's), (53, 41586), (55, 41598), (67, 41676), (70, 41688), (74, 41712), (76, 41724), (91, 41775),

Gene: Jacob_59 Start: 39980, Stop: 40264, Start Num: 23

Candidate Starts for Jacob_59:

(19, 39953), (Start: 23 @39980 has 151 MA's), (33, 40004), (Start: 40 @40019 has 6 MA's), (53, 40064), (55, 40076), (67, 40154), (70, 40166), (74, 40190), (76, 40202), (91, 40256),

Gene: Jarvi_50 Start: 37471, Stop: 37734, Start Num: 29

Candidate Starts for Jarvi_50:

(Start: 29 @37471 has 126 MA's), (65, 37612),

Gene: Jayhawk_51 Start: 37354, Stop: 37617, Start Num: 29

Candidate Starts for Jayhawk_51:

(Start: 29 @37354 has 126 MA's), (65, 37495),

Gene: JeTaime_94 Start: 57387, Stop: 57647, Start Num: 41

Candidate Starts for JeTaime_94:

(Start: 41 @57387 has 127 MA's), (48, 57408), (60, 57483), (71, 57552), (83, 57618),

Gene: Jeckyll_50 Start: 37471, Stop: 37734, Start Num: 29

Candidate Starts for Jeckyll_50:

(Start: 29 @37471 has 126 MA's), (65, 37612),

Gene: Jennelsea_56 Start: 38665, Stop: 38943, Start Num: 23

Candidate Starts for Jennelsea_56:

(19, 38638), (Start: 23 @38665 has 151 MA's), (54, 38749), (56, 38758), (65, 38821), (67, 38836), (70, 38848), (74, 38872), (76, 38884), (80, 38908), (91, 38935),

Gene: JimmyPG_7 Start: 5256, Stop: 4939, Start Num: 24

Candidate Starts for JimmyPG_7:

(Start: 24 @5256 has 1 MA's), (47, 5196), (64, 5091), (86, 4962),

Gene: Jinglebell_64 Start: 42540, Stop: 42818, Start Num: 23

Candidate Starts for Jinglebell_64:

(19, 42513), (Start: 23 @42540 has 151 MA's), (54, 42624), (56, 42633), (65, 42696), (67, 42711), (70, 42723), (74, 42747), (76, 42759), (91, 42810),

Gene: Job42_61 Start: 41920, Stop: 42201, Start Num: 23

Candidate Starts for Job42_61:

(19, 41893), (Start: 23 @41920 has 151 MA's), (54, 42004), (56, 42013), (65, 42076), (67, 42091), (70, 42103), (74, 42127), (76, 42139), (91, 42193),

Gene: Jobypre_79 Start: 53794, Stop: 54063, Start Num: 37

Candidate Starts for Jobypre_79:

(Start: 37 @53794 has 11 MA's), (Start: 44 @53809 has 2 MA's), (70, 53944), (77, 53986), (83, 54022), (92, 54046),

Gene: JoeyJr_54 Start: 38435, Stop: 38713, Start Num: 23

Candidate Starts for JoeyJr_54:

(19, 38408), (Start: 23 @38435 has 151 MA's), (54, 38519), (56, 38528), (65, 38591), (67, 38606), (70, 38618), (74, 38642), (76, 38654), (91, 38705),

Gene: Joy99_50 Start: 37400, Stop: 37663, Start Num: 29

Candidate Starts for Joy99_50:

(Start: 29 @37400 has 126 MA's), (65, 37541),

Gene: Jubie_78 Start: 53929, Stop: 54198, Start Num: 37

Candidate Starts for Jubie_78:

(Start: 37 @53929 has 11 MA's), (Start: 44 @53944 has 2 MA's), (70, 54079), (77, 54121), (83, 54157), (92, 54181),

Gene: Kanye_90 Start: 56281, Stop: 56541, Start Num: 41

Candidate Starts for Kanye_90:

(Start: 41 @56281 has 127 MA's), (48, 56302), (60, 56377), (71, 56446), (83, 56512),

Gene: Karhdo_56 Start: 39525, Stop: 39809, Start Num: 23

Candidate Starts for Karhdo_56:

(19, 39498), (Start: 23 @39525 has 151 MA's), (33, 39549), (Start: 40 @39564 has 6 MA's), (53, 39609), (55, 39621), (67, 39699), (70, 39711), (74, 39735), (76, 39747), (91, 39801),

Gene: Keelan_94 Start: 48287, Stop: 48550, Start Num: 40

Candidate Starts for Keelan_94:

(Start: 40 @48287 has 6 MA's), (58, 48365), (65, 48419), (87, 48542),

Gene: Kersh_61 Start: 42278, Stop: 42559, Start Num: 23

Candidate Starts for Kersh_61:

(19, 42251), (Start: 23 @42278 has 151 MA's), (33, 42302), (Start: 40 @42317 has 6 MA's), (53, 42362), (55, 42374), (74, 42488), (76, 42500), (91, 42551),

Gene: Keshu_55 Start: 37986, Stop: 38255, Start Num: 25

Candidate Starts for Keshu_55:

(7, 37746), (Start: 25 @37986 has 10 MA's), (Start: 37 @38010 has 11 MA's), (65, 38130), (74, 38184),

Gene: Kimberlium_62 Start: 41811, Stop: 42092, Start Num: 23

Candidate Starts for Kimberlium_62:

(16, 41775), (Start: 23 @41811 has 151 MA's), (33, 41835), (53, 41892), (55, 41904), (67, 41982), (70, 41994), (74, 42018), (76, 42030), (91, 42084),

Gene: Kimchi_97 Start: 56801, Stop: 57061, Start Num: 41

Candidate Starts for Kimchi_97:

(Start: 41 @56801 has 127 MA's), (48, 56822), (60, 56897), (71, 56966), (83, 57032),

Gene: KingMidas_58 Start: 40097, Stop: 40375, Start Num: 23

Candidate Starts for KingMidas_58:

(19, 40070), (Start: 23 @40097 has 151 MA's), (54, 40181), (56, 40190), (65, 40253), (67, 40268), (70, 40280), (74, 40304), (76, 40316), (91, 40367),

Gene: Kingsolomon_77 Start: 53801, Stop: 54070, Start Num: 37

Candidate Starts for Kingsolomon_77:

(Start: 37 @53801 has 11 MA's), (Start: 44 @53816 has 2 MA's), (70, 53951), (77, 53993), (83, 54029), (92, 54053),

Gene: Koella_53 Start: 35910, Stop: 36194, Start Num: 23

Candidate Starts for Koella_53:

(19, 35883), (Start: 23 @35910 has 151 MA's), (33, 35934), (Start: 40 @35949 has 6 MA's), (53, 35994), (55, 36006), (67, 36084), (70, 36096), (74, 36120), (76, 36132), (91, 36186),

Gene: Kostya_93 Start: 56799, Stop: 57059, Start Num: 41

Candidate Starts for Kostya_93:

(Start: 41 @56799 has 127 MA's), (48, 56820), (60, 56895), (71, 56964), (83, 57030),

Gene: KristaRAM_62 Start: 42482, Stop: 42763, Start Num: 23

Candidate Starts for KristaRAM_62:

(19, 42455), (Start: 23 @42482 has 151 MA's), (33, 42506), (Start: 40 @42521 has 6 MA's), (53, 42566), (55, 42578), (67, 42656), (70, 42668), (74, 42692), (76, 42704), (91, 42755),

Gene: Krueger_57 Start: 38145, Stop: 38396, Start Num: 29

Candidate Starts for Krueger_57:

(Start: 29 @38145 has 126 MA's), (32, 38151), (61, 38265), (62, 38271), (65, 38283),

Gene: LastHope_53 Start: 36640, Stop: 36891, Start Num: 35

Candidate Starts for LastHope_53:

(Start: 29 @36628 has 126 MA's), (Start: 35 @36640 has 7 MA's), (51, 36682), (61, 36751), (65, 36769),

Gene: LastJedi_53 Start: 37230, Stop: 37511, Start Num: 23

Candidate Starts for LastJedi_53:

(19, 37203), (Start: 23 @37230 has 151 MA's), (33, 37254), (Start: 40 @37269 has 6 MA's), (53, 37314), (55, 37326), (67, 37404), (70, 37416), (74, 37440), (76, 37452), (91, 37503),

Gene: LaterM_51 Start: 38233, Stop: 38496, Start Num: 29

Candidate Starts for LaterM_51:

(Start: 29 @38233 has 126 MA's), (51, 38287), (65, 38374),

Gene: Latretium_61 Start: 40556, Stop: 40837, Start Num: 23

Candidate Starts for Latretium_61:

(19, 40529), (Start: 23 @40556 has 151 MA's), (33, 40580), (Start: 40 @40595 has 6 MA's), (53, 40640), (55, 40652), (67, 40730), (70, 40742), (74, 40766), (76, 40778), (91, 40829),

Gene: Lavahound_52 Start: 38674, Stop: 38928, Start Num: 29

Candidate Starts for Lavahound_52:

(9, 38524), (Start: 29 @38674 has 126 MA's), (55, 38740), (73, 38848),

Gene: Lea83_53 Start: 37972, Stop: 38241, Start Num: 25

Candidate Starts for Lea83_53:

(1, 37507), (7, 37732), (Start: 25 @37972 has 10 MA's), (Start: 37 @37996 has 11 MA's), (65, 38116), (74, 38170),

Gene: Leozinho_58 Start: 39315, Stop: 39593, Start Num: 23

Candidate Starts for Leozinho_58:

(19, 39288), (Start: 23 @39315 has 151 MA's), (54, 39399), (56, 39408), (65, 39471), (67, 39486), (70, 39498), (74, 39522), (76, 39534), (91, 39585),

Gene: Leperchaun_51 Start: 37665, Stop: 37943, Start Num: 23

Candidate Starts for Leperchaun_51:

(19, 37638), (Start: 23 @37665 has 151 MA's), (54, 37749), (56, 37758), (65, 37821), (67, 37836), (70, 37848), (74, 37872), (76, 37884), (91, 37935),

Gene: LilMoolah_57 Start: 39425, Stop: 39706, Start Num: 23

Candidate Starts for LilMoolah_57:

(19, 39398), (Start: 23 @39425 has 151 MA's), (54, 39509), (56, 39518), (65, 39581), (67, 39596), (70, 39608), (74, 39632), (76, 39644), (91, 39698),

Gene: LilPharaoh_46 Start: 36768, Stop: 37037, Start Num: 29

Candidate Starts for LilPharaoh_46:

(Start: 29 @36768 has 126 MA's), (59, 36864), (68, 36924), (69, 36930), (70, 36933), (74, 36960), (76, 36972), (89, 37026),

Gene: Lilac_96 Start: 56626, Stop: 56886, Start Num: 41

Candidate Starts for Lilac_96:

(Start: 41 @56626 has 127 MA's), (48, 56647), (60, 56722), (71, 56791), (83, 56857),

Gene: Lilizi_94 Start: 56263, Stop: 56523, Start Num: 41

Candidate Starts for Lilizi_94:

(Start: 41 @56263 has 127 MA's), (48, 56284), (60, 56359), (71, 56428), (83, 56494),

Gene: Lilpickle_92 Start: 56151, Stop: 56411, Start Num: 41

Candidate Starts for Lilpickle_92:

(Start: 41 @56151 has 127 MA's), (48, 56172), (60, 56247), (71, 56316), (83, 56382),

Gene: LindNT_49 Start: 37556, Stop: 37819, Start Num: 29

Candidate Starts for LindNT_49:

(Start: 29 @37556 has 126 MA's), (51, 37610), (65, 37697),

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

Candidate Starts for Lishka_37:

(5, 24966), (8, 25011), (17, 25185), (Start: 35 @25254 has 7 MA's), (70, 25416),

Gene: Lizziana_65 Start: 40983, Stop: 41264, Start Num: 23

Candidate Starts for Lizziana_65:

(19, 40956), (Start: 23 @40983 has 151 MA's), (33, 41007), (Start: 40 @41022 has 6 MA's), (53, 41067), (55, 41079), (67, 41157), (70, 41169), (74, 41193), (76, 41205), (91, 41256),

Gene: Llama_64 Start: 42394, Stop: 42672, Start Num: 23

Candidate Starts for Llama_64:

(19, 42367), (Start: 23 @42394 has 151 MA's), (54, 42478), (56, 42487), (65, 42550), (67, 42565), (70, 42577), (74, 42601), (76, 42613), (91, 42664),

Gene: Llij_55 Start: 38833, Stop: 39117, Start Num: 23

Candidate Starts for Llij_55:

(19, 38806), (Start: 23 @38833 has 151 MA's), (33, 38857), (Start: 40 @38872 has 6 MA's), (53, 38917), (55, 38929), (67, 39007), (70, 39019), (74, 39043), (76, 39055), (91, 39109),

Gene: Llorens_50 Start: 37471, Stop: 37734, Start Num: 29

Candidate Starts for Llorens_50:

(Start: 29 @37471 has 126 MA's), (65, 37612),

Gene: Lorde_59 Start: 38120, Stop: 38404, Start Num: 23

Candidate Starts for Lorde_59:

(19, 38093), (Start: 23 @38120 has 151 MA's), (33, 38144), (Start: 40 @38159 has 6 MA's), (53, 38204), (55, 38216), (67, 38294), (70, 38306), (74, 38330), (76, 38342), (91, 38396),

Gene: Lucia_59 Start: 38977, Stop: 39258, Start Num: 23

Candidate Starts for Lucia_59:

(19, 38950), (Start: 23 @38977 has 151 MA's), (33, 39001), (Start: 40 @39016 has 6 MA's), (53, 39061), (55, 39073), (67, 39151), (70, 39163), (74, 39187), (76, 39199), (91, 39250),

Gene: LunaBlu_61 Start: 40560, Stop: 40838, Start Num: 23

Candidate Starts for LunaBlu_61:

(19, 40533), (Start: 23 @40560 has 151 MA's), (54, 40644), (56, 40653), (65, 40716), (67, 40731), (70, 40743), (74, 40767), (76, 40779), (91, 40830),

Gene: LunaStella_58 Start: 39407, Stop: 39685, Start Num: 23

Candidate Starts for LunaStella_58:

(15, 39371), (Start: 23 @39407 has 151 MA's), (Start: 28 @39416 has 1 MA's), (51, 39473), (54, 39491), (56, 39500), (65, 39563), (67, 39578), (70, 39590), (74, 39614), (76, 39626), (91, 39677),

Gene: Lunahalos_50 Start: 37471, Stop: 37734, Start Num: 29

Candidate Starts for Lunahalos_50:

(Start: 29 @37471 has 126 MA's), (65, 37612),

Gene: MISSy_94 Start: 56379, Stop: 56639, Start Num: 41

Candidate Starts for MISSy_94:

(Start: 41 @56379 has 127 MA's), (48, 56400), (60, 56475), (71, 56544), (83, 56610),

Gene: MPhalcon_94 Start: 56372, Stop: 56632, Start Num: 41

Candidate Starts for MPhalcon_94:

(Start: 41 @56372 has 127 MA's), (48, 56393), (60, 56468), (71, 56537), (83, 56603),

Gene: MacKat_45 Start: 32871, Stop: 33134, Start Num: 29

Candidate Starts for MacKat_45:

(Start: 29 @32871 has 126 MA's), (65, 33012),

Gene: MacnCheese_55 Start: 38928, Stop: 39194, Start Num: 25

Candidate Starts for MacnCheese_55:

(7, 38688), (Start: 25 @38928 has 10 MA's), (Start: 37 @38949 has 11 MA's), (42, 38955), (65, 39069), (73, 39114), (74, 39123),

Gene: MadMen_57 Start: 39757, Stop: 40041, Start Num: 23

Candidate Starts for MadMen_57:

(19, 39730), (Start: 23 @39757 has 151 MA's), (33, 39781), (Start: 40 @39796 has 6 MA's), (53, 39841), (55, 39853), (67, 39931), (70, 39943), (74, 39967), (76, 39979), (91, 40033),

Gene: MadamMonkfish_93 Start: 55878, Stop: 56138, Start Num: 41

Candidate Starts for MadamMonkfish_93:

(Start: 41 @55878 has 127 MA's), (48, 55899), (60, 55974), (71, 56043), (83, 56109),

Gene: Mahavrat_57 Start: 39385, Stop: 39666, Start Num: 23

Candidate Starts for Mahavrat_57:

(19, 39358), (Start: 23 @39385 has 151 MA's), (33, 39409), (Start: 40 @39424 has 6 MA's), (53, 39469), (55, 39481), (67, 39559), (70, 39571), (74, 39595), (76, 39607), (91, 39658),

Gene: Manda_95 Start: 57955, Stop: 58215, Start Num: 41

Candidate Starts for Manda_95:

(Start: 41 @57955 has 127 MA's), (48, 57976), (60, 58051), (71, 58120), (83, 58186),

Gene: Mandlovu_55 Start: 37995, Stop: 38276, Start Num: 23

Candidate Starts for Mandlovu_55:

(19, 37968), (Start: 23 @37995 has 151 MA's), (33, 38019), (Start: 40 @38034 has 6 MA's), (53, 38079), (55, 38091), (67, 38169), (70, 38181), (74, 38205), (76, 38217), (91, 38268),

Gene: Maravista_60 Start: 41432, Stop: 41713, Start Num: 23

Candidate Starts for Maravista_60:

(19, 41405), (Start: 23 @41432 has 151 MA's), (33, 41456), (Start: 40 @41471 has 6 MA's), (53, 41516), (55, 41528), (67, 41606), (70, 41618), (74, 41642), (76, 41654), (91, 41705),

Gene: Marshawn_53 Start: 38262, Stop: 38522, Start Num: 29

Candidate Starts for Marshawn_53:

(3, 37941), (7, 38010), (9, 38106), (Start: 29 @38262 has 126 MA's), (52, 38319), (70, 38427), (80, 38490),

Gene: Marshmallow_91 Start: 57427, Stop: 57687, Start Num: 41

Candidate Starts for Marshmallow_91:

(Start: 41 @57427 has 127 MA's), (48, 57448), (60, 57523), (71, 57592), (83, 57658),

Gene: Martik_59 Start: 39936, Stop: 40217, Start Num: 23

Candidate Starts for Martik_59:

(19, 39909), (Start: 23 @39936 has 151 MA's), (33, 39960), (Start: 40 @39975 has 6 MA's), (53, 40020), (55, 40032), (67, 40110), (70, 40122), (74, 40146), (76, 40158), (91, 40209),

Gene: Mattes_63 Start: 41502, Stop: 41783, Start Num: 23

Candidate Starts for Mattes_63:

(19, 41475), (Start: 23 @41502 has 151 MA's), (33, 41526), (Start: 40 @41541 has 6 MA's), (53, 41586), (55, 41598), (67, 41676), (70, 41688), (74, 41712), (76, 41724), (91, 41775),

Gene: Maxxinista_96 Start: 56793, Stop: 57053, Start Num: 41

Candidate Starts for Maxxinista_96:

(Start: 41 @56793 has 127 MA's), (48, 56814), (60, 56889), (71, 56958), (83, 57024),

Gene: McMater_53 Start: 38285, Stop: 38548, Start Num: 29

Candidate Starts for McMater_53:

(1, 37805), (3, 37961), (7, 38030), (Start: 29 @38285 has 126 MA's), (60, 38387), (61, 38405), (65, 38423), (74, 38477), (80, 38513), (89, 38537),

Gene: Mdavu_47 Start: 37029, Stop: 37298, Start Num: 29

Candidate Starts for Mdavu_47:

(Start: 29 @37029 has 126 MA's), (59, 37125), (68, 37185), (69, 37191), (70, 37194), (74, 37221), (76, 37233), (89, 37287),

Gene: MeaningOfLife_51 Start: 38280, Stop: 38543, Start Num: 29

Candidate Starts for MeaningOfLife_51:

(Start: 29 @38280 has 126 MA's), (65, 38421),

Gene: Megsy_52 Start: 37615, Stop: 37878, Start Num: 29

Candidate Starts for Megsy_52:

(Start: 29 @37615 has 126 MA's), (51, 37669), (65, 37756),

Gene: Mindy_92 Start: 55700, Stop: 55960, Start Num: 41

Candidate Starts for Mindy_92:

(Start: 41 @55700 has 127 MA's), (48, 55721), (60, 55796), (71, 55865), (83, 55931),

Gene: MiniLon_83 Start: 53899, Stop: 54165, Start Num: 37

Candidate Starts for MiniLon_83:

(Start: 37 @53899 has 11 MA's), (Start: 44 @53914 has 2 MA's), (77, 54091), (92, 54151),

Gene: MinionDave_58 Start: 40283, Stop: 40564, Start Num: 23

Candidate Starts for MinionDave_58:

(Start: 23 @40283 has 151 MA's), (33, 40307), (Start: 40 @40322 has 6 MA's), (53, 40367), (55, 40379), (67, 40457), (70, 40469), (74, 40493), (76, 40505), (91, 40556),

Gene: Miniwave_88 Start: 56195, Stop: 56455, Start Num: 41

Candidate Starts for Miniwave_88:

(Start: 41 @56195 has 127 MA's), (48, 56216), (60, 56291), (71, 56360), (83, 56426),

Gene: Misfit_94 Start: 57669, Stop: 57929, Start Num: 41

Candidate Starts for Misfit_94:

(Start: 41 @57669 has 127 MA's), (48, 57690), (60, 57765), (71, 57834), (83, 57900),

Gene: MisterCuddles_57 Start: 39742, Stop: 40020, Start Num: 23

Candidate Starts for MisterCuddles_57:

(19, 39715), (Start: 23 @39742 has 151 MA's), (54, 39826), (56, 39835), (65, 39898), (67, 39913), (70, 39925), (74, 39949), (76, 39961), (91, 40012),

Gene: Modragons_63 Start: 42384, Stop: 42662, Start Num: 23

Candidate Starts for Modragons_63:

(19, 42357), (Start: 23 @42384 has 151 MA's), (54, 42468), (56, 42477), (65, 42540), (67, 42555), (70, 42567), (74, 42591), (76, 42603), (91, 42654),

Gene: Moldemort_96 Start: 56336, Stop: 56596, Start Num: 41

Candidate Starts for Moldemort_96:

(Start: 41 @56336 has 127 MA's), (48, 56357), (60, 56432), (71, 56501), (83, 56567),

Gene: MollyToe_88 Start: 55218, Stop: 55478, Start Num: 41

Candidate Starts for MollyToe_88:

(Start: 41 @55218 has 127 MA's), (48, 55239), (60, 55314), (71, 55383), (83, 55449),

Gene: Moostard_77 Start: 53811, Stop: 54065, Start Num: 44

Candidate Starts for Moostard_77:

(Start: 37 @53796 has 11 MA's), (Start: 44 @53811 has 2 MA's), (70, 53946), (77, 53988), (83, 54024), (92, 54048),

Gene: Mosby_89 Start: 55952, Stop: 56212, Start Num: 41

Candidate Starts for Mosby_89:

(Start: 41 @55952 has 127 MA's), (48, 55973), (60, 56048), (71, 56117), (83, 56183),

Gene: Mozy_68 Start: 42517, Stop: 42798, Start Num: 23

Candidate Starts for Mozy_68:

(19, 42490), (Start: 23 @42517 has 151 MA's), (33, 42541), (Start: 40 @42556 has 6 MA's), (53, 42601), (55, 42613), (67, 42691), (70, 42703), (74, 42727), (76, 42739), (91, 42790),

Gene: MsGreen_79 Start: 53793, Stop: 54062, Start Num: 37

Candidate Starts for MsGreen_79:

(Start: 37 @53793 has 11 MA's), (Start: 44 @53808 has 2 MA's), (70, 53943), (77, 53985), (83, 54021), (92, 54045),

Gene: Mufasa_54 Start: 39116, Stop: 39349, Start Num: 34

Candidate Starts for Mufasa_54:

(Start: 31 @39113 has 2 MA's), (Start: 34 @39116 has 1 MA's), (36, 39122), (38, 39128), (61, 39218), (62, 39224), (74, 39287), (89, 39338),

Gene: MulchExplorer_66 Start: 41810, Stop: 42091, Start Num: 23

Candidate Starts for MulchExplorer_66:

(16, 41774), (Start: 23 @41810 has 151 MA's), (33, 41834), (53, 41891), (55, 41903), (67, 41981), (70, 41993), (74, 42017), (76, 42029), (91, 42083),

Gene: Murica_96 Start: 57595, Stop: 57855, Start Num: 41

Candidate Starts for Murica_96:

(Start: 41 @57595 has 127 MA's), (48, 57616), (60, 57691), (71, 57760), (83, 57826),

Gene: Murphy_93 Start: 57036, Stop: 57296, Start Num: 41

Candidate Starts for Murphy_93:

(Start: 41 @57036 has 127 MA's), (48, 57057), (60, 57132), (71, 57201), (83, 57267),

Gene: Murucutumbu_51 Start: 38326, Stop: 38589, Start Num: 29

Candidate Starts for Murucutumbu_51:

(7, 38074), (Start: 29 @38326 has 126 MA's), (51, 38380), (65, 38467),

Gene: Mutaforma13_63 Start: 42840, Stop: 43124, Start Num: 23

Candidate Starts for Mutaforma13_63:

(19, 42813), (Start: 23 @42840 has 151 MA's), (33, 42864), (Start: 40 @42879 has 6 MA's), (53, 42924), (55, 42936), (67, 43014), (70, 43026), (74, 43050), (76, 43062), (91, 43116),

Gene: Mwanjiwa_65 Start: 40617, Stop: 40895, Start Num: 23

Candidate Starts for Mwanjiwa_65:

(19, 40590), (Start: 23 @40617 has 151 MA's), (54, 40701), (56, 40710), (65, 40773), (67, 40788), (70, 40800), (74, 40824), (76, 40836), (91, 40887),

Gene: Mynx_51 Start: 37672, Stop: 37935, Start Num: 29

Candidate Starts for Mynx_51:

(Start: 29 @37672 has 126 MA's), (65, 37813),

Gene: Myrale_93 Start: 57158, Stop: 57418, Start Num: 41

Candidate Starts for Myrale_93:

(Start: 41 @57158 has 127 MA's), (48, 57179), (60, 57254), (71, 57323), (83, 57389),

Gene: Nairb_40 Start: 31446, Stop: 31703, Start Num: 26

Candidate Starts for Nairb_40:

(4, 31170), (6, 31191), (Start: 26 @31446 has 6 MA's), (55, 31530), (70, 31620),

Gene: Nala_95 Start: 56881, Stop: 57141, Start Num: 41

Candidate Starts for Nala_95:

(Start: 41 @56881 has 127 MA's), (48, 56902), (60, 56977), (71, 57046), (83, 57112),

Gene: NelitzaMV_91 Start: 56241, Stop: 56501, Start Num: 41

Candidate Starts for NelitzaMV_91:

(Start: 41 @56241 has 127 MA's), (48, 56262), (60, 56337), (71, 56406), (83, 56472),

Gene: Nergal_48 Start: 36024, Stop: 36272, Start Num: 29

Candidate Starts for Nergal_48:

(Start: 29 @36024 has 126 MA's), (61, 36138), (65, 36156), (71, 36189), (80, 36246),

Gene: NewHope4_60 Start: 39931, Stop: 40209, Start Num: 23

Candidate Starts for NewHope4_60:

(19, 39904), (Start: 23 @39931 has 151 MA's), (54, 40015), (56, 40024), (65, 40087), (67, 40102), (70, 40114), (74, 40138), (76, 40150), (91, 40201),

Gene: Nibb_53 Start: 37813, Stop: 38082, Start Num: 29

Candidate Starts for Nibb_53:

(Start: 29 @37813 has 126 MA's), (46, 37840), (73, 37987), (94, 38071),

Gene: Nicholas_77 Start: 53801, Stop: 54070, Start Num: 37

Candidate Starts for Nicholas_77:

(Start: 37 @53801 has 11 MA's), (Start: 44 @53816 has 2 MA's), (70, 53951), (77, 53993), (83, 54029), (92, 54053),

Gene: Nikao_49 Start: 39653, Stop: 39922, Start Num: 29

Candidate Starts for Nikao_49:

(Start: 29 @39653 has 126 MA's), (59, 39749), (68, 39809), (69, 39815), (70, 39818), (74, 39845), (76, 39857), (89, 39911),

Gene: Niklas_53 Start: 38346, Stop: 38609, Start Num: 29

Candidate Starts for Niklas_53:

(1, 37866), (3, 38022), (7, 38091), (Start: 29 @38346 has 126 MA's), (60, 38448), (61, 38466), (65, 38484), (74, 38538), (80, 38574), (89, 38598),

Gene: Nimrod_94 Start: 57584, Stop: 57844, Start Num: 41

Candidate Starts for Nimrod_94:

(Start: 41 @57584 has 127 MA's), (48, 57605), (60, 57680), (71, 57749), (83, 57815),

Gene: Nitzel_57 Start: 39291, Stop: 39521, Start Num: 23

Candidate Starts for Nitzel_57:

(19, 39264), (Start: 23 @39291 has 151 MA's), (54, 39375), (65, 39444), (70, 39471), (74, 39495),

Gene: Nivrat_55 Start: 39298, Stop: 39579, Start Num: 23

Candidate Starts for Nivrat_55:

(19, 39271), (Start: 23 @39298 has 151 MA's), (54, 39382), (56, 39391), (65, 39454), (67, 39469), (70, 39481), (74, 39505), (76, 39517), (91, 39571),

Gene: NoSleep_94 Start: 56218, Stop: 56478, Start Num: 41

Candidate Starts for NoSleep_94:

(Start: 41 @56218 has 127 MA's), (48, 56239), (60, 56314), (71, 56383), (83, 56449),

Gene: NonchalantPear_91 Start: 56074, Stop: 56334, Start Num: 41

Candidate Starts for NonchalantPear_91:

(Start: 41 @56074 has 127 MA's), (48, 56095), (60, 56170), (71, 56239), (83, 56305),

Gene: NormanBulbieJr_59 Start: 39923, Stop: 40207, Start Num: 23

Candidate Starts for NormanBulbieJr_59:

(19, 39896), (Start: 23 @39923 has 151 MA's), (33, 39947), (Start: 40 @39962 has 6 MA's), (53, 40007), (55, 40019), (67, 40097), (70, 40109), (74, 40133), (76, 40145), (91, 40199),

Gene: November_51 Start: 38195, Stop: 38449, Start Num: 29

Candidate Starts for November_51:

(3, 37877), (7, 37946), (9, 38042), (Start: 29 @38195 has 126 MA's), (55, 38261), (65, 38324), (73, 38369),

Gene: Nutello_46 Start: 37040, Stop: 37309, Start Num: 29

Candidate Starts for Nutello_46:

(Start: 29 @37040 has 126 MA's), (59, 37136), (68, 37196), (69, 37202), (70, 37205), (74, 37232), (76, 37244), (89, 37298),

Gene: Ochi17_62 Start: 41991, Stop: 42269, Start Num: 23

Candidate Starts for Ochi17_62:

(19, 41964), (Start: 23 @41991 has 151 MA's), (54, 42075), (56, 42084), (65, 42147), (67, 42162), (70, 42174), (74, 42198), (76, 42210), (91, 42261),

Gene: OfUltron_64 Start: 42540, Stop: 42818, Start Num: 23

Candidate Starts for OfUltron_64:

(19, 42513), (Start: 23 @42540 has 151 MA's), (54, 42624), (56, 42633), (65, 42696), (67, 42711), (70, 42723), (74, 42747), (76, 42759), (91, 42810),

Gene: Oksu_63 Start: 42803, Stop: 43081, Start Num: 23

Candidate Starts for Oksu_63:

(19, 42776), (Start: 23 @42803 has 151 MA's), (54, 42887), (56, 42896), (65, 42959), (67, 42974), (70, 42986), (74, 43010), (76, 43022), (91, 43073),

Gene: OldBen_56 Start: 39848, Stop: 40132, Start Num: 23

Candidate Starts for OldBen_56:

(19, 39821), (Start: 23 @39848 has 151 MA's), (33, 39872), (Start: 40 @39887 has 6 MA's), (53, 39932), (55, 39944), (67, 40022), (70, 40034), (74, 40058), (76, 40070), (91, 40124),

Gene: OlympiaSaint_61 Start: 40444, Stop: 40725, Start Num: 23

Candidate Starts for OlympiaSaint_61:

(19, 40417), (Start: 23 @40444 has 151 MA's), (33, 40468), (Start: 40 @40483 has 6 MA's), (53, 40528), (55, 40540), (67, 40618), (70, 40630), (74, 40654), (76, 40666), (91, 40717),

Gene: OrionPax_92 Start: 55969, Stop: 56229, Start Num: 41

Candidate Starts for OrionPax_92:

(Start: 41 @55969 has 127 MA's), (48, 55990), (60, 56065), (71, 56134), (83, 56200),

Gene: OwlsT2W_59 Start: 40166, Stop: 40444, Start Num: 23

Candidate Starts for OwlsT2W_59:

(19, 40139), (Start: 23 @40166 has 151 MA's), (54, 40250), (65, 40322), (67, 40337), (70, 40349), (74, 40373), (76, 40385), (91, 40436),

Gene: PHappiness_54 Start: 38211, Stop: 38489, Start Num: 23

Candidate Starts for PHappiness_54:

(19, 38184), (Start: 23 @38211 has 151 MA's), (54, 38295), (56, 38304), (65, 38367), (67, 38382), (70, 38394), (74, 38418), (76, 38430), (91, 38481),

Gene: PMC_56 Start: 40550, Stop: 40834, Start Num: 23

Candidate Starts for PMC_56:

(19, 40523), (Start: 23 @40550 has 151 MA's), (33, 40574), (Start: 40 @40589 has 6 MA's), (53, 40634), (55, 40646), (67, 40724), (70, 40736), (74, 40760), (76, 40772), (91, 40826),

Gene: Pacc40_53 Start: 38285, Stop: 38563, Start Num: 23

Candidate Starts for Pacc40_53:

(19, 38258), (Start: 23 @38285 has 151 MA's), (54, 38369), (56, 38378), (65, 38441), (67, 38456), (70, 38468), (74, 38492), (76, 38504), (91, 38555),

Gene: Padfoot_50 Start: 37668, Stop: 37931, Start Num: 29

Candidate Starts for Padfoot_50:

(Start: 29 @37668 has 126 MA's), (65, 37809),

Gene: Padpat_52 Start: 37347, Stop: 37610, Start Num: 29

Candidate Starts for Padpat_52:

(Start: 29 @37347 has 126 MA's), (65, 37488),

Gene: Palpatine_95 Start: 57622, Stop: 57882, Start Num: 41

Candidate Starts for Palpatine_95:

(Start: 41 @57622 has 127 MA's), (48, 57643), (60, 57718), (71, 57787), (83, 57853),

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

Candidate Starts for PapayaSalad_40:

(5, 27552), (8, 27597), (17, 27771), (Start: 35 @27840 has 7 MA's), (70, 28002),

Gene: Paperbeatsrock_92 Start: 56873, Stop: 57133, Start Num: 41

Candidate Starts for Paperbeatsrock_92:

(Start: 41 @56873 has 127 MA's), (48, 56894), (60, 56969), (71, 57038), (83, 57104),

Gene: Pat3_90 Start: 55071, Stop: 55331, Start Num: 41

Candidate Starts for Pat3_90:

(13, 54933), (Start: 41 @55071 has 127 MA's), (48, 55092), (71, 55236), (83, 55302),

Gene: Peanam_53 Start: 38304, Stop: 38567, Start Num: 29

Candidate Starts for Peanam_53:

(1, 37824), (3, 37980), (7, 38049), (Start: 29 @38304 has 126 MA's), (60, 38406), (61, 38424), (65, 38442), (74, 38496), (80, 38532), (89, 38556),

Gene: Peel_50 Start: 37473, Stop: 37736, Start Num: 29

Candidate Starts for Peel_50:

(Start: 29 @37473 has 126 MA's), (65, 37614),

Gene: Peridot_60 Start: 39388, Stop: 39672, Start Num: 23

Candidate Starts for Peridot_60:

(19, 39361), (Start: 23 @39388 has 151 MA's), (33, 39412), (Start: 40 @39427 has 6 MA's), (53, 39472), (55, 39484), (67, 39562), (70, 39574), (74, 39598), (76, 39610), (91, 39664),

Gene: Petra64142_98 Start: 58076, Stop: 58336, Start Num: 41

Candidate Starts for Petra64142_98:

(13, 57938), (Start: 41 @58076 has 127 MA's), (48, 58097), (71, 58241), (83, 58307),

Gene: Phaja_91 Start: 56699, Stop: 56959, Start Num: 41

Candidate Starts for Phaja_91:

(Start: 41 @56699 has 127 MA's), (48, 56720), (60, 56795), (71, 56864), (83, 56930),

Gene: Pharb_50 Start: 36682, Stop: 36942, Start Num: 25

Candidate Starts for Pharb_50:

(1, 36217), (7, 36442), (Start: 25 @36682 has 10 MA's), (Start: 37 @36697 has 11 MA's), (74, 36871),

Gene: Pharsalus_90 Start: 56673, Stop: 56933, Start Num: 41

Candidate Starts for Pharsalus_90:

(Start: 41 @56673 has 127 MA's), (48, 56694), (60, 56769), (71, 56838), (83, 56904),

Gene: Phasih_57 Start: 40355, Stop: 40633, Start Num: 23

Candidate Starts for Phasih_57:

(19, 40328), (Start: 23 @40355 has 151 MA's), (54, 40439), (56, 40448), (65, 40511), (67, 40526), (70, 40538), (74, 40562), (76, 40574), (91, 40625),

Gene: PhatBacter_97 Start: 57367, Stop: 57627, Start Num: 41

Candidate Starts for PhatBacter_97:

(Start: 41 @57367 has 127 MA's), (48, 57388), (60, 57463), (71, 57532), (83, 57598),

Gene: Phatniss_57 Start: 39928, Stop: 40212, Start Num: 23

Candidate Starts for Phatniss_57:

(19, 39901), (Start: 23 @39928 has 151 MA's), (33, 39952), (Start: 40 @39967 has 6 MA's), (53, 40012), (55, 40024), (67, 40102), (70, 40114), (74, 40138), (76, 40150), (91, 40204),

Gene: Phaux_96 Start: 57909, Stop: 58169, Start Num: 41

Candidate Starts for Phaux_96:

(Start: 41 @57909 has 127 MA's), (48, 57930), (60, 58005), (71, 58074), (83, 58140),

Gene: PhelpsODU_53 Start: 37175, Stop: 37432, Start Num: 29

Candidate Starts for PhelpsODU_53:

(Start: 29 @37175 has 126 MA's), (39, 37196), (55, 37250), (65, 37313), (66, 37322), (80, 37400),

Gene: Philus_62 Start: 41088, Stop: 41369, Start Num: 23

Candidate Starts for Philus_62:

(19, 41061), (Start: 23 @41088 has 151 MA's), (54, 41172), (56, 41181), (65, 41244), (67, 41259), (70, 41271), (74, 41295), (76, 41307), (91, 41361),

Gene: Phrank_54 Start: 37132, Stop: 37389, Start Num: 29

Candidate Starts for Phrank_54:

(Start: 29 @37132 has 126 MA's), (39, 37153), (55, 37207), (65, 37270), (66, 37279), (80, 37357),

Gene: Phrux_91 Start: 56185, Stop: 56445, Start Num: 41

Candidate Starts for Phrux_91:

(Start: 41 @56185 has 127 MA's), (48, 56206), (60, 56281), (71, 56350), (83, 56416),

Gene: Piatt_50 Start: 37668, Stop: 37931, Start Num: 29

Candidate Starts for Piatt_50:

(Start: 29 @37668 has 126 MA's), (65, 37809),

Gene: Pippy_57 Start: 38794, Stop: 39075, Start Num: 23

Candidate Starts for Pippy_57:

(19, 38767), (Start: 23 @38794 has 151 MA's), (33, 38818), (Start: 40 @38833 has 6 MA's), (53, 38878), (55, 38890), (67, 38968), (70, 38980), (74, 39004), (76, 39016), (91, 39067),

Gene: Pisa1_50 Start: 38627, Stop: 38890, Start Num: 29

Candidate Starts for Pisa1_50:

(Start: 29 @38627 has 126 MA's), (51, 38681), (65, 38768),

Gene: Pisa4_44 Start: 33996, Stop: 34259, Start Num: 29

Candidate Starts for Pisa4_44:

(Start: 29 @33996 has 126 MA's), (51, 34050), (65, 34137),

Gene: Pixie_52 Start: 37451, Stop: 37720, Start Num: 25

Candidate Starts for Pixie_52:

(7, 37211), (Start: 25 @37451 has 10 MA's), (Start: 37 @37475 has 11 MA's), (65, 37595), (74, 37649),

Gene: Plumbus_61 Start: 40255, Stop: 40533, Start Num: 23

Candidate Starts for Plumbus_61:

(19, 40228), (Start: 23 @40255 has 151 MA's), (54, 40339), (56, 40348), (65, 40411), (67, 40426), (70, 40438), (74, 40462), (76, 40474), (91, 40525),

Gene: Poenanya_59 Start: 41112, Stop: 41390, Start Num: 23

Candidate Starts for Poenanya_59:

(19, 41085), (Start: 23 @41112 has 151 MA's), (54, 41196), (56, 41205), (65, 41268), (67, 41283), (70, 41295), (74, 41319), (76, 41331), (91, 41382),

Gene: Pokerus_49 Start: 37394, Stop: 37657, Start Num: 29

Candidate Starts for Pokerus_49:

(Start: 29 @37394 has 126 MA's), (51, 37448), (65, 37535),

Gene: Policronamos_96 Start: 57640, Stop: 57900, Start Num: 41

Candidate Starts for Policronamos_96:

(Start: 41 @57640 has 127 MA's), (48, 57661), (60, 57736), (71, 57805), (83, 57871),

Gene: Polka14_57 Start: 39308, Stop: 39586, Start Num: 23

Candidate Starts for Polka14_57:

(19, 39281), (Start: 23 @39308 has 151 MA's), (54, 39392), (56, 39401), (65, 39464), (67, 39479), (70, 39491), (74, 39515), (76, 39527), (91, 39578),

Gene: Pollywog_60 Start: 40759, Stop: 41043, Start Num: 23

Candidate Starts for Pollywog_60:

(19, 40732), (Start: 23 @40759 has 151 MA's), (33, 40783), (Start: 40 @40798 has 6 MA's), (53, 40843), (55, 40855), (67, 40933), (70, 40945), (74, 40969), (76, 40981), (91, 41035),

Gene: Polo2Bam_64 Start: 39785, Stop: 40063, Start Num: 23

Candidate Starts for Polo2Bam_64:

(19, 39758), (Start: 23 @39785 has 151 MA's), (54, 39869), (56, 39878), (65, 39941), (67, 39956), (70, 39968), (74, 39992), (76, 40004), (91, 40055),

Gene: Porky_92 Start: 55785, Stop: 56045, Start Num: 41

Candidate Starts for Porky_92:

(Start: 41 @55785 has 127 MA's), (48, 55806), (60, 55881), (71, 55950), (83, 56016),

Gene: Priscilla_59 Start: 40022, Stop: 40306, Start Num: 23

Candidate Starts for Priscilla_59:

(19, 39995), (Start: 23 @40022 has 151 MA's), (33, 40046), (Start: 40 @40061 has 6 MA's), (53, 40106), (55, 40118), (67, 40196), (70, 40208), (74, 40232), (76, 40244), (91, 40298),

Gene: Prithvi_51 Start: 37556, Stop: 37819, Start Num: 29

Candidate Starts for Prithvi_51:

(Start: 29 @37556 has 126 MA's), (51, 37610), (65, 37697),

Gene: Ptowny_90 Start: 55535, Stop: 55795, Start Num: 41

Candidate Starts for Ptowny_90:

(Start: 41 @55535 has 127 MA's), (48, 55556), (60, 55631), (71, 55700), (83, 55766),

Gene: Pumpkin_97 Start: 57561, Stop: 57821, Start Num: 41

Candidate Starts for Pumpkin_97:

(Start: 41 @57561 has 127 MA's), (48, 57582), (60, 57657), (71, 57726), (83, 57792),

Gene: Pupper_53 Start: 18336, Stop: 18617, Start Num: 20

Candidate Starts for Pupper_53:

(Start: 20 @18336 has 3 MA's), (30, 18372), (55, 18447),

Gene: Qualification_94 Start: 57281, Stop: 57541, Start Num: 41

Candidate Starts for Qualification_94:

(Start: 41 @57281 has 127 MA's), (48, 57302), (60, 57377), (71, 57446), (83, 57512),

Gene: QuickMath_61 Start: 42034, Stop: 42315, Start Num: 23

Candidate Starts for QuickMath_61:

(16, 41998), (Start: 23 @42034 has 151 MA's), (33, 42058), (53, 42115), (55, 42127), (67, 42205), (70, 42217), (74, 42241), (76, 42253), (91, 42307),

Gene: QuincyRose_49 Start: 37786, Stop: 38049, Start Num: 29

Candidate Starts for QuincyRose_49:

(Start: 29 @37786 has 126 MA's), (65, 37927),

Gene: Radiance_58 Start: 40047, Stop: 40328, Start Num: 23

Candidate Starts for Radiance_58:

(19, 40020), (Start: 23 @40047 has 151 MA's), (33, 40071), (Start: 40 @40086 has 6 MA's), (53, 40131), (55, 40143), (67, 40221), (70, 40233), (74, 40257), (76, 40269), (91, 40320),

Gene: Rakim_94 Start: 56610, Stop: 56870, Start Num: 41

Candidate Starts for Rakim_94:

(Start: 41 @56610 has 127 MA's), (48, 56631), (60, 56706), (71, 56775), (83, 56841),

Gene: Ramen_51 Start: 37358, Stop: 37621, Start Num: 29

Candidate Starts for Ramen_51:

(Start: 29 @37358 has 126 MA's), (65, 37499),

Gene: Rapunzel97_51 Start: 37354, Stop: 37617, Start Num: 29

Candidate Starts for Rapunzel97_51:

(Start: 29 @37354 has 126 MA's), (65, 37495),

Gene: Red305_80 Start: 53809, Stop: 54063, Start Num: 44

Candidate Starts for Red305_80:

(Start: 37 @53794 has 11 MA's), (Start: 44 @53809 has 2 MA's), (70, 53944), (77, 53986), (83, 54022), (92, 54046),

Gene: RedBird_57 Start: 39343, Stop: 39624, Start Num: 23

Candidate Starts for RedBird_57:

(19, 39316), (Start: 23 @39343 has 151 MA's), (54, 39427), (56, 39436), (65, 39499), (67, 39514), (70, 39526), (74, 39550), (76, 39562),

Gene: Renaud18_65 Start: 40812, Stop: 41093, Start Num: 23

Candidate Starts for Renaud18_65:

(18, 40776), (Start: 23 @40812 has 151 MA's), (Start: 28 @40827 has 1 MA's), (Start: 40 @40851 has 6 MA's), (53, 40896), (55, 40908), (74, 41022), (76, 41034), (91, 41085),

Gene: Rialto_65 Start: 42826, Stop: 43110, Start Num: 23

Candidate Starts for Rialto_65:

(19, 42799), (Start: 23 @42826 has 151 MA's), (33, 42850), (Start: 40 @42865 has 6 MA's), (53, 42910), (55, 42922), (67, 43000), (70, 43012), (74, 43036), (76, 43048), (91, 43102),

Gene: Richo_53 Start: 38285, Stop: 38548, Start Num: 29

Candidate Starts for Richo_53:

(1, 37805), (3, 37961), (7, 38030), (Start: 29 @38285 has 126 MA's), (60, 38387), (61, 38405), (65, 38423), (74, 38477), (80, 38513), (89, 38537),

Gene: Rimmer_91 Start: 56182, Stop: 56442, Start Num: 41

Candidate Starts for Rimmer_91:

(13, 56044), (Start: 41 @56182 has 127 MA's), (48, 56203), (71, 56347), (83, 56413),

Gene: Rita_60 Start: 38653, Stop: 38937, Start Num: 23

Candidate Starts for Rita_60:

(19, 38626), (Start: 23 @38653 has 151 MA's), (33, 38677), (Start: 40 @38692 has 6 MA's), (53, 38737), (55, 38749), (67, 38827), (70, 38839), (74, 38863), (76, 38875), (91, 38929),

Gene: RitaG_54 Start: 38556, Stop: 38834, Start Num: 23

Candidate Starts for RitaG_54:

(19, 38529), (Start: 23 @38556 has 151 MA's), (54, 38640), (56, 38649), (65, 38712), (67, 38727), (70, 38739), (74, 38763), (76, 38775), (91, 38826),

Gene: RiverMonster_94 Start: 57081, Stop: 57341, Start Num: 41

Candidate Starts for RiverMonster_94:

(Start: 41 @57081 has 127 MA's), (48, 57102), (60, 57177), (71, 57246), (83, 57312),

Gene: RobinSparkles_47 Start: 44442, Stop: 44158, Start Num: 45

Candidate Starts for RobinSparkles_47:

(Start: 45 @44442 has 1 MA's), (75, 44256),

Gene: Rockne_60 Start: 40562, Stop: 40846, Start Num: 23

Candidate Starts for Rockne_60:

(19, 40535), (Start: 23 @40562 has 151 MA's), (33, 40586), (Start: 40 @40601 has 6 MA's), (53, 40646), (55, 40658), (67, 40736), (70, 40748), (74, 40772), (76, 40784), (91, 40838),

Gene: RockyHorror_60 Start: 39611, Stop: 39892, Start Num: 23

Candidate Starts for RockyHorror_60:

(19, 39584), (Start: 23 @39611 has 151 MA's), (33, 39635), (Start: 40 @39650 has 6 MA's), (53, 39695), (55, 39707), (70, 39797), (74, 39821), (76, 39833), (91, 39884),

Gene: RonRayGun_41 Start: 31892, Stop: 32149, Start Num: 26

Candidate Starts for RonRayGun_41:

(4, 31616), (6, 31637), (Start: 26 @31892 has 6 MA's), (55, 31976), (70, 32066),

Gene: Ronaldo_96 Start: 48347, Stop: 48652, Start Num: 40

Candidate Starts for Ronaldo_96:

(Start: 40 @48347 has 6 MA's), (51, 48380), (82, 48581), (90, 48605),

Gene: Rosmarinus_50 Start: 37459, Stop: 37722, Start Num: 29

Candidate Starts for Rosmarinus_50:

(Start: 29 @37459 has 126 MA's), (65, 37600),

Gene: Ruby_55 Start: 39743, Stop: 40021, Start Num: 23

Candidate Starts for Ruby_55:

(19, 39716), (Start: 23 @39743 has 151 MA's), (54, 39827), (56, 39836), (65, 39899), (67, 39914), (70, 39926), (74, 39950), (76, 39962), (91, 40013),

Gene: SCentae_53 Start: 18353, Stop: 18634, Start Num: 20

Candidate Starts for SCentae_53:

(Start: 20 @18353 has 3 MA's), (30, 18389), (55, 18464),

Gene: SG4_56 Start: 39440, Stop: 39724, Start Num: 23

Candidate Starts for SG4_56:

(Start: 23 @39440 has 151 MA's), (33, 39464), (Start: 40 @39479 has 6 MA's), (53, 39524), (55, 39536), (67, 39614), (70, 39626), (74, 39650), (76, 39662), (91, 39716),

Gene: Saal_61 Start: 41196, Stop: 41477, Start Num: 23

Candidate Starts for Saal_61:

(19, 41169), (Start: 23 @41196 has 151 MA's), (33, 41220), (Start: 40 @41235 has 6 MA's), (53, 41280), (55, 41292), (67, 41370), (70, 41382), (74, 41406), (76, 41418), (91, 41469),

Gene: Sabbb_63 Start: 40884, Stop: 41165, Start Num: 23

Candidate Starts for Sabbb_63:

(19, 40857), (Start: 23 @40884 has 151 MA's), (33, 40908), (Start: 40 @40923 has 6 MA's), (53, 40968), (55, 40980), (67, 41058), (70, 41070), (74, 41094), (76, 41106), (91, 41157),

Gene: Saints25_92 Start: 56224, Stop: 56484, Start Num: 41

Candidate Starts for Saints25_92:

(Start: 41 @56224 has 127 MA's), (48, 56245), (60, 56320), (71, 56389), (83, 56455),

Gene: Samty_78 Start: 53804, Stop: 54058, Start Num: 44

Candidate Starts for Samty_78:

(Start: 37 @53789 has 11 MA's), (Start: 44 @53804 has 2 MA's), (70, 53939), (77, 53981), (83, 54017), (92, 54041),

Gene: SamuelLPlaqson_51 Start: 38242, Stop: 38505, Start Num: 29

Candidate Starts for SamuelLPlaqson_51:

(7, 37990), (Start: 29 @38242 has 126 MA's), (51, 38296), (61, 38365), (65, 38383),

Gene: Sassafras_57 Start: 39528, Stop: 39806, Start Num: 23

Candidate Starts for Sassafras_57:

(19, 39501), (Start: 23 @39528 has 151 MA's), (54, 39612), (56, 39621), (65, 39684), (67, 39699), (70, 39711), (74, 39735), (76, 39747), (91, 39798),

Gene: Sassay_88 Start: 54914, Stop: 55174, Start Num: 41

Candidate Starts for Sassay_88:

(Start: 41 @54914 has 127 MA's), (48, 54935), (60, 55010), (71, 55079), (83, 55145),

Gene: Scottish_57 Start: 39568, Stop: 39852, Start Num: 23

Candidate Starts for Scottish_57:

(19, 39541), (Start: 23 @39568 has 151 MA's), (33, 39592), (Start: 40 @39607 has 6 MA's), (53, 39652), (55, 39664), (67, 39742), (70, 39754), (74, 39778), (76, 39790), (91, 39844),

Gene: Seabastian_64 Start: 42541, Stop: 42819, Start Num: 23

Candidate Starts for Seabastian_64:

(19, 42514), (Start: 23 @42541 has 151 MA's), (54, 42625), (56, 42634), (65, 42697), (67, 42712), (70, 42724), (74, 42748), (76, 42760), (91, 42811),

Gene: SgtBeansprout_46 Start: 37040, Stop: 37309, Start Num: 29

Candidate Starts for SgtBeansprout_46:

(Start: 29 @37040 has 126 MA's), (59, 37136), (68, 37196), (69, 37202), (70, 37205), (74, 37232), (76, 37244), (89, 37298),

Gene: Shadow1_56 Start: 38290, Stop: 38541, Start Num: 29

Candidate Starts for Shadow1_56:

(Start: 29 @38290 has 126 MA's), (32, 38296), (65, 38428),

Gene: ShamWow_93 Start: 57094, Stop: 57354, Start Num: 41

Candidate Starts for ShamWow_93:

(Start: 41 @57094 has 127 MA's), (48, 57115), (60, 57190), (71, 57259), (83, 57325),

Gene: Shaobing_53 Start: 38322, Stop: 38585, Start Num: 29

Candidate Starts for Shaobing_53:

(1, 37842), (3, 37998), (7, 38067), (Start: 29 @38322 has 126 MA's), (60, 38424), (61, 38442), (65, 38460), (74, 38514), (80, 38550), (89, 38574),

Gene: ShedlockHolmes_54 Start: 37976, Stop: 38245, Start Num: 25

Candidate Starts for ShedlockHolmes_54:

(7, 37736), (Start: 25 @37976 has 10 MA's), (Start: 37 @38000 has 11 MA's), (65, 38120), (74, 38174),

Gene: ShereKhan_91 Start: 57206, Stop: 57466, Start Num: 41

Candidate Starts for ShereKhan_91:

(Start: 41 @57206 has 127 MA's), (48, 57227), (60, 57302), (71, 57371), (83, 57437),

Gene: ShiLan_58 Start: 39969, Stop: 40253, Start Num: 23

Candidate Starts for ShiLan_58:

(19, 39942), (Start: 23 @39969 has 151 MA's), (33, 39993), (Start: 40 @40008 has 6 MA's), (53, 40053), (55, 40065), (67, 40143), (70, 40155), (74, 40179), (76, 40191), (91, 40245),

Gene: ShiaSurprise_51 Start: 37668, Stop: 37931, Start Num: 29

Candidate Starts for ShiaSurprise_51:

(Start: 29 @37668 has 126 MA's), (65, 37809),

Gene: ShowerHandel_62 Start: 39936, Stop: 40217, Start Num: 23

Candidate Starts for ShowerHandel_62:

(19, 39909), (Start: 23 @39936 has 151 MA's), (33, 39960), (Start: 40 @39975 has 6 MA's), (53, 40020), (55, 40032), (67, 40110), (70, 40122), (74, 40146), (76, 40158), (91, 40209),

Gene: ShroomBoi_61 Start: 40896, Stop: 41177, Start Num: 23

Candidate Starts for ShroomBoi_61:

(19, 40869), (Start: 23 @40896 has 151 MA's), (33, 40920), (Start: 40 @40935 has 6 MA's), (53, 40980), (55, 40992), (67, 41070), (70, 41082), (74, 41106), (76, 41118), (91, 41169),

Gene: Simpliphy_92 Start: 56214, Stop: 56474, Start Num: 41

Candidate Starts for Simpliphy_92:

(Start: 41 @56214 has 127 MA's), (48, 56235), (60, 56310), (71, 56379), (83, 56445),

Gene: SimranZ1_59 Start: 40122, Stop: 40400, Start Num: 23

Candidate Starts for SimranZ1_59:

(19, 40095), (Start: 23 @40122 has 151 MA's), (54, 40206), (56, 40215), (65, 40278), (67, 40293), (70, 40305), (74, 40329), (76, 40341), (91, 40392),

Gene: SirDuracell_93 Start: 55587, Stop: 55847, Start Num: 41

Candidate Starts for SirDuracell_93:

(Start: 41 @55587 has 127 MA's), (48, 55608), (60, 55683), (71, 55752), (83, 55818),

Gene: SirPhilip_53 Start: 38679, Stop: 38936, Start Num: 29

Candidate Starts for SirPhilip_53:

(Start: 29 @38679 has 126 MA's), (61, 38799), (63, 38808), (65, 38817), (76, 38880), (80, 38904),

Gene: SkinnyPete_42 Start: 29948, Stop: 30178, Start Num: 49

Candidate Starts for SkinnyPete_42:

(22, 29879), (Start: 28 @29897 has 1 MA's), (43, 29933), (Start: 49 @29948 has 1 MA's), (65, 30044), (74, 30095), (79, 30131), (88, 30164), (91, 30170),

Gene: Slimphazie_50 Start: 37354, Stop: 37617, Start Num: 29

Candidate Starts for Slimphazie_50:
(Start: 29 @37354 has 126 MA's), (65, 37495),

Gene: Snenia_78 Start: 53795, Stop: 54064, Start Num: 37
Candidate Starts for Snenia_78:
(Start: 37 @53795 has 11 MA's), (Start: 44 @53810 has 2 MA's), (70, 53945), (77, 53987), (83, 54023),
(92, 54047),

Gene: SophKB_90 Start: 55892, Stop: 56152, Start Num: 41
Candidate Starts for SophKB_90:
(Start: 41 @55892 has 127 MA's), (48, 55913), (60, 55988), (71, 56057), (83, 56123),

Gene: Sotrice96_94 Start: 56480, Stop: 56740, Start Num: 41
Candidate Starts for Sotrice96_94:
(Start: 41 @56480 has 127 MA's), (48, 56501), (60, 56576), (71, 56645), (83, 56711),

Gene: Soul22_65 Start: 41527, Stop: 41811, Start Num: 23
Candidate Starts for Soul22_65:
(19, 41500), (Start: 23 @41527 has 151 MA's), (33, 41551), (Start: 40 @41566 has 6 MA's), (53, 41611), (55, 41623), (67, 41701), (70, 41713), (74, 41737), (76, 41749), (91, 41803),

Gene: Spartacus_61 Start: 40606, Stop: 40887, Start Num: 23
Candidate Starts for Spartacus_61:
(19, 40579), (Start: 23 @40606 has 151 MA's), (33, 40630), (Start: 40 @40645 has 6 MA's), (53, 40690), (55, 40702), (67, 40780), (70, 40792), (74, 40816), (76, 40828), (91, 40879),

Gene: Spikelee_66 Start: 42226, Stop: 42507, Start Num: 23
Candidate Starts for Spikelee_66:
(19, 42199), (Start: 23 @42226 has 151 MA's), (33, 42250), (Start: 40 @42265 has 6 MA's), (53, 42310), (55, 42322), (67, 42400), (70, 42412), (74, 42436), (76, 42448), (91, 42499),

Gene: Spock_50 Start: 37472, Stop: 37735, Start Num: 29
Candidate Starts for Spock_50:
(Start: 29 @37472 has 126 MA's), (65, 37613),

Gene: Spoonbill_56 Start: 38516, Stop: 38794, Start Num: 23
Candidate Starts for Spoonbill_56:
(19, 38489), (Start: 23 @38516 has 151 MA's), (54, 38600), (56, 38609), (65, 38672), (67, 38687), (70, 38699), (74, 38723), (76, 38735), (91, 38786),

Gene: Squiddly_71 Start: 45719, Stop: 45979, Start Num: 25
Candidate Starts for Squiddly_71:
(19, 45680), (Start: 25 @45719 has 10 MA's), (51, 45782), (53, 45794), (61, 45851), (70, 45896), (85, 45971),

Gene: Stank_95 Start: 56873, Stop: 57133, Start Num: 41
Candidate Starts for Stank_95:
(Start: 41 @56873 has 127 MA's), (48, 56894), (60, 56969), (71, 57038), (83, 57104),

Gene: Stap_57 Start: 39317, Stop: 39595, Start Num: 23
Candidate Starts for Stap_57:
(19, 39290), (Start: 23 @39317 has 151 MA's), (54, 39401), (56, 39410), (65, 39473), (67, 39488), (70, 39500), (74, 39524), (76, 39536), (91, 39587),

Gene: Starcevich_59 Start: 40105, Stop: 40383, Start Num: 23

Candidate Starts for Starcevich_59:

(16, 40069), (Start: 23 @40105 has 151 MA's), (33, 40129), (53, 40186), (55, 40198), (67, 40276), (70, 40288), (74, 40312), (76, 40324), (91, 40375),

Gene: Stark_95 Start: 56964, Stop: 57224, Start Num: 41

Candidate Starts for Stark_95:

(Start: 41 @56964 has 127 MA's), (48, 56985), (60, 57060), (71, 57129), (83, 57195),

Gene: StellaBean_91 Start: 56418, Stop: 56678, Start Num: 41

Candidate Starts for StellaBean_91:

(Start: 41 @56418 has 127 MA's), (48, 56439), (60, 56514), (71, 56583), (83, 56649),

Gene: Stellammi_103 Start: 48442, Stop: 48678, Start Num: 37

Candidate Starts for Stellammi_103:

(Start: 37 @48442 has 11 MA's), (61, 48550), (77, 48631), (78, 48643),

Gene: Stinson_51 Start: 37846, Stop: 38109, Start Num: 29

Candidate Starts for Stinson_51:

(7, 37594), (Start: 29 @37846 has 126 MA's), (51, 37900), (65, 37987),

Gene: StolenFromERC_96 Start: 56798, Stop: 57058, Start Num: 41

Candidate Starts for StolenFromERC_96:

(Start: 41 @56798 has 127 MA's), (48, 56819), (60, 56894), (71, 56963), (83, 57029),

Gene: StormChicken_95 Start: 57577, Stop: 57837, Start Num: 41

Candidate Starts for StormChicken_95:

(13, 57439), (Start: 41 @57577 has 127 MA's), (48, 57598), (71, 57742), (83, 57808),

Gene: Strokeseat_55 Start: 38052, Stop: 38333, Start Num: 23

Candidate Starts for Strokeseat_55:

(19, 38025), (Start: 23 @38052 has 151 MA's), (33, 38076), (Start: 40 @38091 has 6 MA's), (53, 38136), (55, 38148), (67, 38226), (70, 38238), (74, 38262), (76, 38274), (91, 38325),

Gene: Sulley_50 Start: 37598, Stop: 37861, Start Num: 29

Candidate Starts for Sulley_50:

(Start: 29 @37598 has 126 MA's), (65, 37739),

Gene: Sunflower1121_57 Start: 38391, Stop: 38642, Start Num: 29

Candidate Starts for Sunflower1121_57:

(Start: 29 @38391 has 126 MA's), (32, 38397), (65, 38529),

Gene: SwagPiggett_64 Start: 42244, Stop: 42525, Start Num: 23

Candidate Starts for SwagPiggett_64:

(19, 42217), (Start: 23 @42244 has 151 MA's), (33, 42268), (Start: 40 @42283 has 6 MA's), (53, 42328), (55, 42340), (67, 42418), (70, 42430), (74, 42454), (76, 42466), (91, 42517),

Gene: Syra333_56 Start: 38055, Stop: 38306, Start Num: 29

Candidate Starts for Syra333_56:

(Start: 29 @38055 has 126 MA's), (32, 38061), (62, 38181), (65, 38193),

Gene: TBond007_51 Start: 37450, Stop: 37719, Start Num: 25

Candidate Starts for TBond007_51:

(7, 37210), (Start: 25 @37450 has 10 MA's), (Start: 37 @37474 has 11 MA's), (65, 37594), (74, 37648),

Gene: TBrady12_96 Start: 56634, Stop: 56894, Start Num: 41

Candidate Starts for TBrady12_96:

(Start: 41 @56634 has 127 MA's), (48, 56655), (60, 56730), (71, 56799), (83, 56865),

Gene: TChen_60 Start: 41367, Stop: 41636, Start Num: 28

Candidate Starts for TChen_60:

(15, 41322), (Start: 23 @41358 has 151 MA's), (Start: 28 @41367 has 1 MA's), (51, 41424), (54, 41442), (56, 41451), (65, 41514), (67, 41529), (70, 41541), (74, 41565), (76, 41577), (91, 41628),

Gene: TClif_54 Start: 38425, Stop: 38685, Start Num: 29

Candidate Starts for TClif_54:

(Start: 29 @38425 has 126 MA's), (51, 38467), (70, 38581), (73, 38599), (89, 38674),

Gene: Tachez_50 Start: 37316, Stop: 37579, Start Num: 29

Candidate Starts for Tachez_50:

(Start: 29 @37316 has 126 MA's), (65, 37457),

Gene: TaiwanKao_52 Start: 37612, Stop: 37875, Start Num: 29

Candidate Starts for TaiwanKao_52:

(Start: 29 @37612 has 126 MA's), (65, 37753),

Gene: Tarkin_92 Start: 56882, Stop: 57142, Start Num: 41

Candidate Starts for Tarkin_92:

(Start: 41 @56882 has 127 MA's), (48, 56903), (60, 56978), (71, 57047), (83, 57113),

Gene: TeamEdward_93 Start: 56783, Stop: 57043, Start Num: 41

Candidate Starts for TeamEdward_93:

(13, 56645), (Start: 41 @56783 has 127 MA's), (48, 56804), (71, 56948), (83, 57014),

Gene: TeardropMSU_89 Start: 55882, Stop: 56142, Start Num: 41

Candidate Starts for TeardropMSU_89:

(Start: 41 @55882 has 127 MA's), (48, 55903), (60, 55978), (71, 56047), (83, 56113),

Gene: Teaspoon_94 Start: 56734, Stop: 56994, Start Num: 41

Candidate Starts for Teaspoon_94:

(Start: 41 @56734 has 127 MA's), (48, 56755), (60, 56830), (71, 56899), (83, 56965),

Gene: Teejan_48 Start: 39653, Stop: 39922, Start Num: 29

Candidate Starts for Teejan_48:

(Start: 29 @39653 has 126 MA's), (59, 39749), (68, 39809), (69, 39815), (70, 39818), (74, 39845), (76, 39857), (89, 39911),

Gene: Terminus_96 Start: 57669, Stop: 57929, Start Num: 41

Candidate Starts for Terminus_96:

(Start: 41 @57669 has 127 MA's), (48, 57690), (60, 57765), (71, 57834), (83, 57900),

Gene: ThetaBob_64 Start: 41432, Stop: 41710, Start Num: 23

Candidate Starts for ThetaBob_64:

(15, 41396), (Start: 23 @41432 has 151 MA's), (Start: 28 @41441 has 1 MA's), (51, 41498), (54, 41516), (56, 41525), (65, 41588), (67, 41603), (70, 41615), (74, 41639), (76, 41651), (91, 41702),

Gene: Thimble_95 Start: 56384, Stop: 56644, Start Num: 41

Candidate Starts for Thimble_95:

(Start: 41 @56384 has 127 MA's), (48, 56405), (60, 56480), (71, 56549), (83, 56615),

Gene: Thresher_96 Start: 57744, Stop: 58004, Start Num: 41

Candidate Starts for Thresher_96:

(Start: 41 @57744 has 127 MA's), (48, 57765), (60, 57840), (71, 57909), (83, 57975),

Gene: Tierra_54 Start: 37943, Stop: 38200, Start Num: 29

Candidate Starts for Tierra_54:

(Start: 29 @37943 has 126 MA's), (39, 37964), (55, 38018), (65, 38081), (66, 38090), (80, 38168),

Gene: Tigress9_57 Start: 38145, Stop: 38396, Start Num: 29

Candidate Starts for Tigress9_57:

(Start: 29 @38145 has 126 MA's), (32, 38151), (62, 38271), (65, 38283),

Gene: TingHuaYa_51 Start: 36397, Stop: 36660, Start Num: 29

Candidate Starts for TingHuaYa_51:

(Start: 29 @36397 has 126 MA's), (Start: 35 @36409 has 7 MA's), (61, 36520), (65, 36538),

Gene: TiniBug_51 Start: 38238, Stop: 38501, Start Num: 29

Candidate Starts for TiniBug_51:

(7, 37986), (Start: 29 @38238 has 126 MA's), (51, 38292), (61, 38361), (65, 38379),

Gene: Tiri_51 Start: 37646, Stop: 37909, Start Num: 29

Candidate Starts for Tiri_51:

(Start: 29 @37646 has 126 MA's), (51, 37700), (65, 37787),

Gene: Tomaszewski_88 Start: 56045, Stop: 56305, Start Num: 41

Candidate Starts for Tomaszewski_88:

(Start: 41 @56045 has 127 MA's), (48, 56066), (60, 56141), (71, 56210), (83, 56276),

Gene: Tootsieroll_60 Start: 39265, Stop: 39549, Start Num: 23

Candidate Starts for Tootsieroll_60:

(19, 39238), (Start: 23 @39265 has 151 MA's), (33, 39289), (Start: 40 @39304 has 6 MA's), (53, 39349), (55, 39361), (67, 39439), (70, 39451), (74, 39475), (76, 39487), (91, 39541),

Gene: Topiatin_67 Start: 42597, Stop: 42878, Start Num: 23

Candidate Starts for Topiatin_67:

(16, 42561), (Start: 23 @42597 has 151 MA's), (33, 42621), (53, 42678), (55, 42690), (67, 42768), (70, 42780), (74, 42804), (76, 42816), (91, 42870),

Gene: Topper_50 Start: 37471, Stop: 37734, Start Num: 29

Candidate Starts for Topper_50:

(Start: 29 @37471 has 126 MA's), (65, 37612),

Gene: Toron_67 Start: 42166, Stop: 42447, Start Num: 20

Candidate Starts for Toron_67:

(14, 42130), (Start: 20 @42166 has 3 MA's), (47, 42241), (81, 42427), (83, 42439),

Gene: Torres_49 Start: 39654, Stop: 39923, Start Num: 29

Candidate Starts for Torres_49:

(Start: 29 @39654 has 126 MA's), (59, 39750), (68, 39810), (69, 39816), (70, 39819), (74, 39846), (76, 39858), (89, 39912),

Gene: Totinger_58 Start: 39195, Stop: 39479, Start Num: 23

Candidate Starts for Totinger_58:

(19, 39168), (Start: 23 @39195 has 151 MA's), (33, 39219), (Start: 40 @39234 has 6 MA's), (53, 39279), (55, 39291), (67, 39369), (70, 39381), (74, 39405), (76, 39417), (91, 39471),

Gene: Toto_91 Start: 57094, Stop: 57354, Start Num: 41

Candidate Starts for Toto_91:

(Start: 41 @57094 has 127 MA's), (48, 57115), (60, 57190), (71, 57259), (83, 57325),

Gene: Traaww1_89 Start: 55902, Stop: 56162, Start Num: 41

Candidate Starts for Traaww1_89:

(Start: 41 @55902 has 127 MA's), (48, 55923), (60, 55998), (71, 56067), (83, 56133),

Gene: TreyKay_51 Start: 37556, Stop: 37819, Start Num: 29

Candidate Starts for TreyKay_51:

(Start: 29 @37556 has 126 MA's), (51, 37610), (65, 37697),

Gene: TriFive_80 Start: 53794, Stop: 54063, Start Num: 37

Candidate Starts for TriFive_80:

(Start: 37 @53794 has 11 MA's), (Start: 44 @53809 has 2 MA's), (70, 53944), (77, 53986), (83, 54022), (92, 54046),

Gene: TribbleTrouble_50 Start: 37335, Stop: 37601, Start Num: 25

Candidate Starts for TribbleTrouble_50:

(Start: 25 @37335 has 10 MA's), (Start: 37 @37356 has 11 MA's), (42, 37362), (65, 37476), (73, 37521), (74, 37530),

Gene: Trice_46 Start: 37041, Stop: 37310, Start Num: 29

Candidate Starts for Trice_46:

(Start: 29 @37041 has 126 MA's), (59, 37137), (68, 37197), (69, 37203), (70, 37206), (74, 37233), (76, 37245), (89, 37299),

Gene: TruffulaTree_50 Start: 37350, Stop: 37613, Start Num: 29

Candidate Starts for TruffulaTree_50:

(Start: 29 @37350 has 126 MA's), (65, 37491),

Gene: Tuco_94 Start: 57641, Stop: 57901, Start Num: 41

Candidate Starts for Tuco_94:

(Start: 41 @57641 has 127 MA's), (48, 57662), (60, 57737), (71, 57806), (83, 57872),

Gene: Twitch_50 Start: 37473, Stop: 37736, Start Num: 29

Candidate Starts for Twitch_50:

(Start: 29 @37473 has 126 MA's), (65, 37614),

Gene: Ukulele_88 Start: 56027, Stop: 56287, Start Num: 41

Candidate Starts for Ukulele_88:

(Start: 41 @56027 has 127 MA's), (48, 56048), (60, 56123), (71, 56192), (83, 56258),

Gene: UncleRicky_58 Start: 40176, Stop: 40460, Start Num: 23

Candidate Starts for UncleRicky_58:

(19, 40149), (Start: 23 @40176 has 151 MA's), (33, 40200), (Start: 40 @40215 has 6 MA's), (53, 40260), (55, 40272), (67, 40350), (70, 40362), (74, 40386), (76, 40398), (91, 40452),

Gene: Unicorn_53 Start: 37175, Stop: 37432, Start Num: 29

Candidate Starts for Unicorn_53:

(Start: 29 @37175 has 126 MA's), (39, 37196), (55, 37250), (65, 37313), (66, 37322), (80, 37400),

Gene: Urkel_51 Start: 38242, Stop: 38505, Start Num: 29

Candidate Starts for Urkel_51:

(7, 37990), (Start: 29 @38242 has 126 MA's), (51, 38296), (61, 38365), (65, 38383),

Gene: VRedHorse_59 Start: 39252, Stop: 39533, Start Num: 23

Candidate Starts for VRedHorse_59:

(19, 39225), (Start: 23 @39252 has 151 MA's), (33, 39276), (Start: 40 @39291 has 6 MA's), (53, 39336), (55, 39348), (67, 39426), (70, 39438), (74, 39462), (76, 39474), (91, 39525),

Gene: VWB_44 Start: 35402, Stop: 35647, Start Num: 34

Candidate Starts for VWB_44:

(10, 35270), (11, 35279), (12, 35282), (21, 35369), (Start: 31 @35399 has 2 MA's), (Start: 34 @35402 has 1 MA's), (65, 35531), (72, 35564), (74, 35582),

Gene: Validus_55 Start: 38351, Stop: 38623, Start Num: 29

Candidate Starts for Validus_55:

(Start: 29 @38351 has 126 MA's), (Start: 35 @38363 has 7 MA's), (60, 38453), (61, 38471), (65, 38489), (70, 38516), (84, 38594),

Gene: Veliki_51 Start: 37390, Stop: 37653, Start Num: 29

Candidate Starts for Veliki_51:

(Start: 29 @37390 has 126 MA's), (65, 37531),

Gene: Veteran_56 Start: 38956, Stop: 39237, Start Num: 23

Candidate Starts for Veteran_56:

(19, 38929), (Start: 23 @38956 has 151 MA's), (54, 39040), (56, 39049), (67, 39127), (70, 39139), (74, 39163), (76, 39175), (91, 39229),

Gene: Violac_61 Start: 41322, Stop: 41603, Start Num: 23

Candidate Starts for Violac_61:

(19, 41295), (Start: 23 @41322 has 151 MA's), (33, 41346), (Start: 40 @41361 has 6 MA's), (53, 41406), (55, 41418), (67, 41496), (70, 41508), (74, 41532), (76, 41544), (91, 41595),

Gene: Volt_97 Start: 48511, Stop: 48816, Start Num: 40

Candidate Starts for Volt_97:

(Start: 40 @48511 has 6 MA's), (51, 48544), (82, 48745), (90, 48769),

Gene: Wee_63 Start: 41773, Stop: 42054, Start Num: 23

Candidate Starts for Wee_63:

(Start: 23 @41773 has 151 MA's), (33, 41797), (Start: 40 @41812 has 6 MA's), (53, 41857), (55, 41869), (67, 41947), (70, 41959), (74, 41983), (76, 41995), (91, 42046),

Gene: Whouxphf_56 Start: 39848, Stop: 40129, Start Num: 23

Candidate Starts for Whouxphf_56:

(19, 39821), (Start: 23 @39848 has 151 MA's), (33, 39872), (Start: 40 @39887 has 6 MA's), (53, 39932), (55, 39944), (67, 40022), (70, 40034), (74, 40058), (76, 40070), (91, 40121),

Gene: Wiggin_95 Start: 56303, Stop: 56563, Start Num: 41

Candidate Starts for Wiggin_95:

(Start: 41 @56303 has 127 MA's), (48, 56324), (60, 56399), (71, 56468), (83, 56534),

Gene: WillSterrel_60 Start: 41723, Stop: 42004, Start Num: 23

Candidate Starts for WillSterrel_60:

(19, 41696), (Start: 23 @41723 has 151 MA's), (33, 41747), (Start: 40 @41762 has 6 MA's), (53, 41807), (55, 41819), (67, 41897), (70, 41909), (74, 41933), (76, 41945), (91, 41996),

Gene: Willez_88 Start: 54914, Stop: 55174, Start Num: 41

Candidate Starts for Willez_88:

(Start: 41 @54914 has 127 MA's), (48, 54935), (60, 55010), (71, 55079), (83, 55145),

Gene: Xandras_92 Start: 56126, Stop: 56386, Start Num: 41

Candidate Starts for Xandras_92:

(Start: 41 @56126 has 127 MA's), (48, 56147), (60, 56222), (71, 56291), (83, 56357),

Gene: Ximenita_57 Start: 38244, Stop: 38495, Start Num: 29

Candidate Starts for Ximenita_57:

(Start: 29 @38244 has 126 MA's), (32, 38250), (65, 38382),

Gene: YassJohnny_90 Start: 55767, Stop: 56027, Start Num: 41

Candidate Starts for YassJohnny_90:

(Start: 41 @55767 has 127 MA's), (48, 55788), (60, 55863), (71, 55932), (83, 55998),

Gene: Yorick_58 Start: 40310, Stop: 40591, Start Num: 23

Candidate Starts for Yorick_58:

(19, 40283), (Start: 23 @40310 has 151 MA's), (33, 40334), (Start: 40 @40349 has 6 MA's), (53, 40394), (55, 40406), (67, 40484), (70, 40496), (74, 40520), (76, 40532), (91, 40583),

Gene: Yoshi_72 Start: 41696, Stop: 41974, Start Num: 23

Candidate Starts for Yoshi_72:

(15, 41660), (Start: 23 @41696 has 151 MA's), (Start: 28 @41705 has 1 MA's), (51, 41762), (54, 41780), (56, 41789), (65, 41852), (67, 41867), (70, 41879), (74, 41903), (76, 41915), (91, 41966),

Gene: Youngblood_96 Start: 57596, Stop: 57856, Start Num: 41

Candidate Starts for Youngblood_96:

(Start: 41 @57596 has 127 MA's), (48, 57617), (60, 57692), (71, 57761), (83, 57827),

Gene: YoureAdopted_49 Start: 37555, Stop: 37818, Start Num: 29

Candidate Starts for YoureAdopted_49:

(Start: 29 @37555 has 126 MA's), (65, 37696),

Gene: Yuna_57 Start: 39151, Stop: 39429, Start Num: 29

Candidate Starts for Yuna_57:

(9, 39004), (Start: 29 @39151 has 126 MA's), (65, 39280), (73, 39325), (74, 39334),

Gene: Yunkel11_53 Start: 37143, Stop: 37406, Start Num: 29

Candidate Starts for Yunkel11_53:

(Start: 29 @37143 has 126 MA's), (Start: 35 @37155 has 7 MA's), (61, 37266), (65, 37284),

Gene: Zabiza_45 Start: 33661, Stop: 33924, Start Num: 29

Candidate Starts for Zabiza_45:
(Start: 29 @33661 has 126 MA's), (65, 33802),

Gene: Zapner_72 Start: 41849, Stop: 42133, Start Num: 23
Candidate Starts for Zapner_72:
(19, 41822), (Start: 23 @41849 has 151 MA's), (33, 41873), (Start: 40 @41888 has 6 MA's), (53, 41933), (55, 41945), (67, 42023), (70, 42035), (74, 42059), (76, 42071), (91, 42125),

Gene: Zavala_52 Start: 37632, Stop: 37895, Start Num: 29
Candidate Starts for Zavala_52:
(Start: 29 @37632 has 126 MA's), (65, 37773),

Gene: ZenTime222_40 Start: 31446, Stop: 31703, Start Num: 26
Candidate Starts for ZenTime222_40:
(4, 31170), (6, 31191), (Start: 26 @31446 has 6 MA's), (55, 31530), (70, 31620),

Gene: Zerg_59 Start: 39720, Stop: 40004, Start Num: 23
Candidate Starts for Zerg_59:
(19, 39693), (Start: 23 @39720 has 151 MA's), (33, 39744), (Start: 40 @39759 has 6 MA's), (53, 39804), (55, 39816), (67, 39894), (70, 39906), (74, 39930), (76, 39942), (91, 39996),

Gene: Ziko_96 Start: 48332, Stop: 48637, Start Num: 40
Candidate Starts for Ziko_96:
(Start: 40 @48332 has 6 MA's), (51, 48365), (82, 48566), (90, 48590),

Gene: Zizzle_63 Start: 41563, Stop: 41847, Start Num: 23
Candidate Starts for Zizzle_63:
(19, 41536), (Start: 23 @41563 has 151 MA's), (33, 41587), (Start: 40 @41602 has 6 MA's), (53, 41647), (55, 41659), (67, 41737), (70, 41749), (74, 41773), (76, 41785), (91, 41839),

Gene: xkcd_96 Start: 57780, Stop: 58040, Start Num: 41
Candidate Starts for xkcd_96:
(Start: 41 @57780 has 127 MA's), (48, 57801), (60, 57876), (71, 57945), (83, 58011),