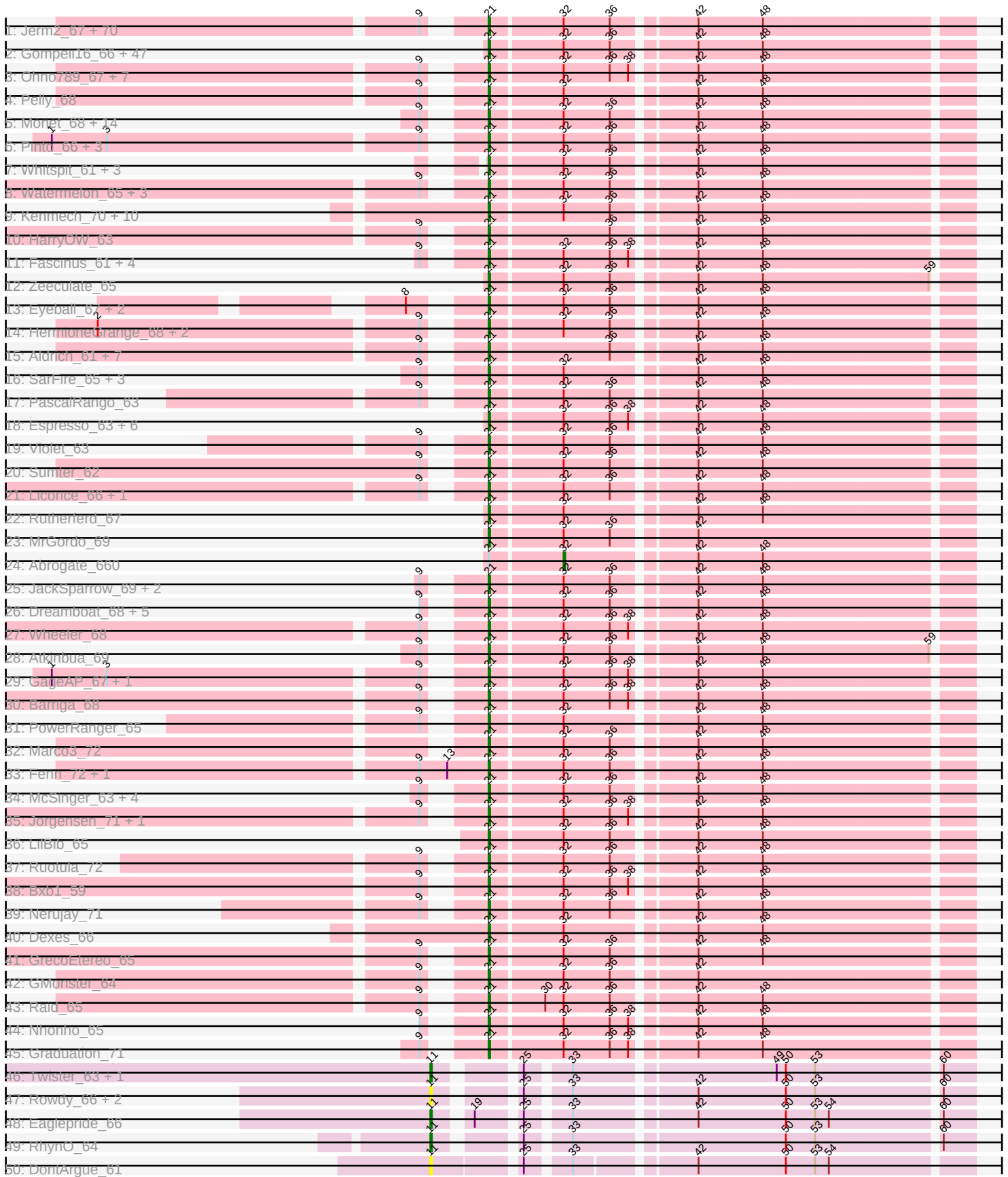
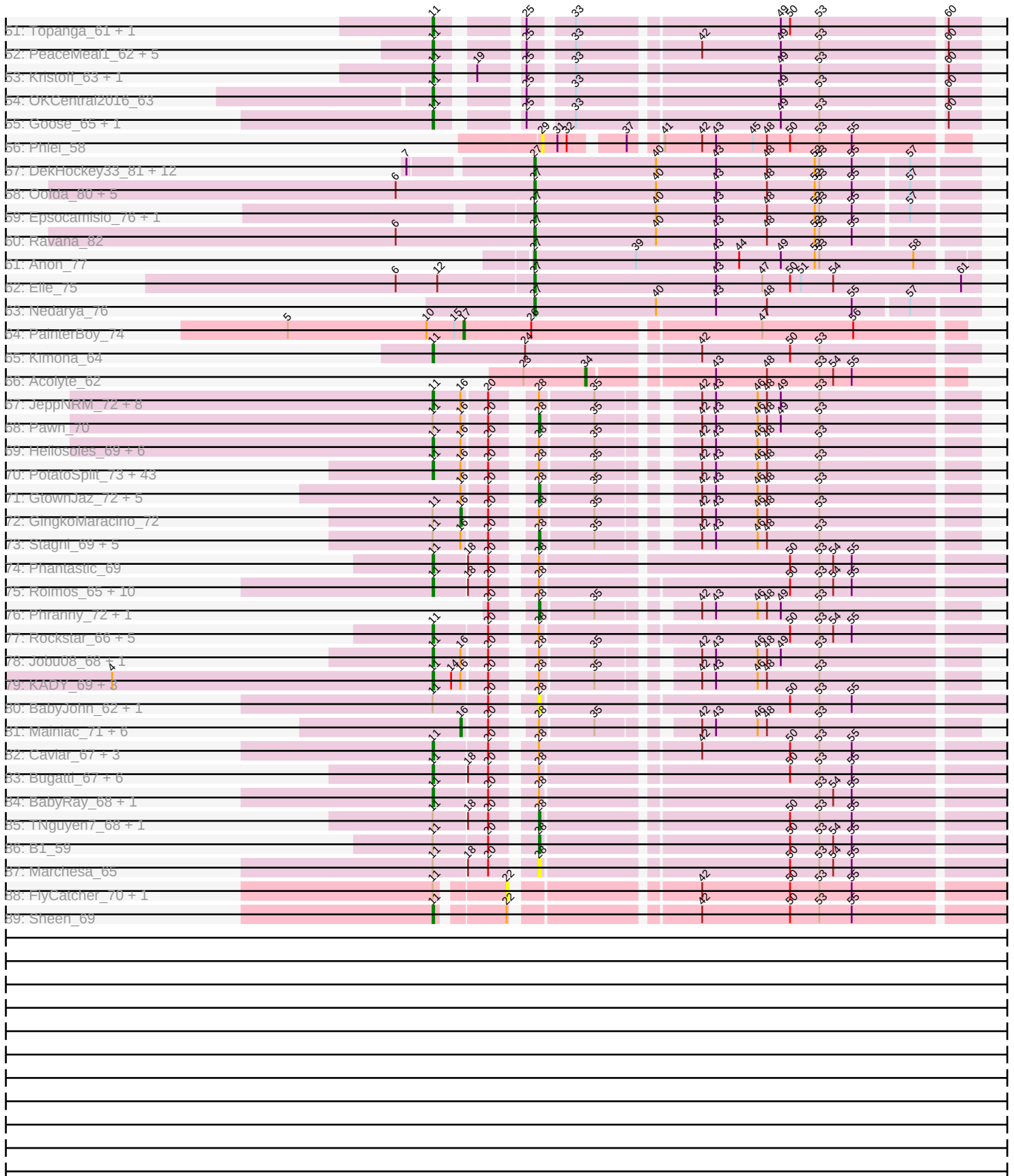


Pham 330345



Pham 330345



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 330345 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330345 has 420 members, 40 are drafts.

Phages represented in each track:

- Track 1 : Jerm2_67, Homines_57, Swole_67, DD5_66, MilleFeuille_68, Petp2012_69, NEHalo_63, StrongArm_64, Briton15_70, QTRLifeCrisis_67, MaryBeth_63, Lopton_66, SwissCheese_69, CartmannCramer_65, Corvo_66, Hope4ever_67, HanShotFirst_67, Arcanine_68, Tote_62, DrFeelGood_64, TwoPeat_67, DreamCatcher_68, Rufus_68, Gwendoluna_70, PSullivan_64, Marcell_62, Moose_67, Chanagan_59, PinkPlastic_65, Pita2_67, Mryolo_64, Ringer_69, MetalQZJ_62, ProMouse_67, IgnatiusPatJac_66, Dynamix_67, ConceptII_70, PattyP_68, Zephyr_67, JuliaChild_67, RidgeCB_66, Burton_67, Lockley_65, Sibs6_68, Slagathor_68, Blue_66, Anglerfish_66, Sandaddy_63, BluSpix_64, Pippin_65, McGuire_66, Molly_67, Rohr_67, Ichabod_70, BeesKnees_68, Arlo_64, Killigrew_64, U2_62, Museum_68, Rajelicia_66, Bexan_63, Kugel_70, Euphoria_65, Bob3_67, TheloniousMonk_70, Sorpresa_64, Ciao_63, Forsytheast_67, Magnito_67, Rubeus_65, BaconJack_71
- Track 2 : Gompeii16_66, Peterson_69, PacerPaul_66, Sagefire_67, Bircsak_66, Target_69, Sunshine924_71, Mule_63, STLscum_75, Paraselene_67, Pepe_64, Tasp14_69, Blesser_62, Dulcie_66, Rhynn_62, Adahisdi_65, Smart_68, Hami1_61, Lamina13_69, Marsha_66, Agaliana_61, Perseus_64, Aeneas_69, EnzoK_66, Smeagol_68, Doom_63, ChristmasHams_60, Squee_69, BigPaolini_62, BillKnuckles_63, Switzer_67, Manatee_66, Scowl_67, Carlyle_67, Makemake_72, Big3_66, ILeeKay_68, Gachnar_66, SkiPole_74, BK1_58, PhrostyMug_66, Francis47_65, Zeuska_71, Paphu_65, KBG_67, A6_58, Alsfro_72, Traft412_69
- Track 3 : Ohno789_67, SpikeBT_64, BPBiabs31_69, Applejack_66, Ashballer_69, Bruns_68, Kanely_67, Altman_68
- Track 4 : Pelly_68
- Track 5 : Monet_68, Iqorha_61, Wilkins_64, Topgun_63, Beatrix_65, Fushigi_61, Oogway_64, JC27_70, Marge_62, Inyanga_61, Edtherson_64, Magnar_65, Mkhusele_61, LunarLander_65, Norz_65
- Track 6 : Pinto_66, StewieG_59, Petruchio_68, Kykar_67
- Track 7 : Whitspit_61, KSSJEB_65, Lesedi_62, Trouble_66
- Track 8 : Watermelon_65, Fajezeel_66, Acme_67, Greg_66
- Track 9 : Kenmech_70, Levia_63, BarrowTuph_67, PhineBark_65, Abbyshoes_68, Dussy_67, Marchy_59, Teodoridan_65, Payneful_63, Ajay_65, Blackflame_61
- Track 10 : HarryOW_63
- Track 11 : Fascinus_61, Maroc7_65, Phlippers_61, Solon_64, Bigfoot_59
- Track 12 : Zeeculate_65
- Track 13 : Eyeball_67, Puppet_64, Bones_64
- Track 14 : HermioneGrange_68, MPlant7149_66, BigMau_68

- Track 15 : Aldrich_61, GroundGoblin_62, DirtDevil_63, Turj99_64, Noxious_64, KikiBouba_64, Hermia_63, CatBus_61
- Track 16 : SarFire_65, Gyzlar_61, Thor_65, KyMonks1A_70
- Track 17 : PascalRango_63
- Track 18 : Espresso_63, Gandalf20_68, Tripl3t_70, Niza_68, Michley_70, Parliament_67, Cueylyss_65
- Track 19 : Violet_63
- Track 20 : Sumter_62
- Track 21 : Licorice_66, Buttons_62
- Track 22 : Rutherferd_67
- Track 23 : MrGordo_69
- Track 24 : Abrogate_660
- Track 25 : JackSparrow_69, CactusRose_67, Crispicous1_63
- Track 26 : Dreamboat_68, PherrisBueller_67, Froghopper_63, Jasper_67, Pari_70, Bethlehem_67
- Track 27 : Wheeler_68
- Track 28 : Atkinbua_69
- Track 29 : GageAP_67, AFIS_62
- Track 30 : Barriga_68
- Track 31 : PowerRanger_65
- Track 32 : Marco3_72
- Track 33 : Fenn_72, Naira_71
- Track 34 : McSinger_63, Bigchung1_64, Sanya_64, ShortQueendom_59, Snazzy_63
- Track 35 : Jorgensen_71, Treddle_66
- Track 36 : LilBib_65
- Track 37 : Ruotula_72
- Track 38 : Bxb1_59
- Track 39 : Nerujay_71
- Track 40 : Dexes_66
- Track 41 : GrecoEtereo_65
- Track 42 : GMonster_64
- Track 43 : Raid_65
- Track 44 : Nhonho_65
- Track 45 : Graduation_71
- Track 46 : Twister_63, WalterMcMickey_63
- Track 47 : Rowdy_66, Shapes_66, DustyMartin_66
- Track 48 : Eaglepride_66
- Track 49 : RhynO_64
- Track 50 : DontArgue_61
- Track 51 : Topanga_61, Edison31_61
- Track 52 : PeaceMeal1_62, Severus_62, Drake94_62, KittenMittens_61, Poompha_61, Trike_61
- Track 53 : Kristoff_63, Rebeuca_65
- Track 54 : OKCentral2016_63
- Track 55 : Goose_65, Chupacabra_62
- Track 56 : Phlei_58
- Track 57 : DekHockey33_81, LastResort_78, Switzerland_79, Anaysia_80, Boohoo_80, Rosalind_78, Battleship_82, ReMo_78, MinecraftSteve_80, KatherineG_80, Looper_79, Nebulosus_77, ShayRa_80
- Track 58 : Oofda_80, Remus_81, Strosahl_81, Soups_80, Warrior24_81, Waits_80
- Track 59 : Epsocamisio_76, JSwag_79
- Track 60 : Ravana_82
- Track 61 : Anon_77

- Track 62 : Elle_75
- Track 63 : Nedarya_76
- Track 64 : PainterBoy_74
- Track 65 : Kimona_64
- Track 66 : Acolyte_62
- Track 67 : JeppNRM_72, PhishRPhriends_68, ACFishhook_69, HaveUMetTed_72, OlanP_70, ClownCar_71, Kalb97_72, Gemma_69, Manu_71
- Track 68 : Pawn_70
- Track 69 : Heliosoles_69, Kalnoky_72, Groupthink_72, Calvinny_71, Marius_72, Zetzy_69, PurpleHaze_71
- Track 70 : PotatoSplit_73, P28Green_72, Ollie_72, MoneyMay_71, EpicPhail_73, Taurus_73, AgronaGT15_69, Phoxy_72, Vix_68, Rummer_71, Aglet_73, Spike509_72, AugsMagnumOpus_75, Grub_70, Cullens_72, Beauxregard13_71, Soshari_74, Lilith_70, Gwennie_72, Penny1_72, Hercules11_72, Watson_71, Malinsilva_74, MarQuardt_72, Wooldri_74, LBerry_73, SoYo_69, JenCasNa_73, BreSam8_72, Methuselah_65, Marie_70, Pembroke_72, LugYA_75, DaHudson_71, StepMih_71, Farber_72, PGHhamlin_74, Anubis_75, Microwolf_68, Sabinator_70, Fernando_72, Colbster_68, MuchMore_75, Grum1_71
- Track 71 : GtownJaz_72, Croquant_69, Snickers_72, Grif_70, Montavir_67, LarryKay_72
- Track 72 : GingkoMaracino_72
- Track 73 : Stagni_69, Bxz2_67, Lova_69, Bigflo_69, Phoebe_73, HashRod_73
- Track 74 : Phantastic_69
- Track 75 : Roimos_65, Goose1X_65, Fred313_65, Kachowdy_68, Zarafa_65, Heathen_67, HelDan_67, Shep_65, DropBear_68, Scout_66, Goose1D_59
- Track 76 : Phranny_72, Reba_71
- Track 77 : Rockstar_66, MK4_67, MA5_67, Isca_65, JF4_65, JF2_65
- Track 78 : Jobu08_68, SoilDragon_71
- Track 79 : KADY_69, Louie6_71, Misomonster_73, TinyPebbles_71
- Track 80 : BabyJohn_62, Chiqui_62
- Track 81 : Mainiac_71, Sabia_70, Dieselweasel_72, JHC117_68, Tiffany_71, Daishi_71, MadMarie_70
- Track 82 : Caviar_67, Lambert1_67, Noella_67, Texage_65
- Track 83 : Bugatti_67, Giroux_70, Idleandcovert_68, SaturnRing_67, Pistachio_67, BlueBird_70, Clammy_67
- Track 84 : BabyRay_68, Cat_62
- Track 85 : TNguyen7_68, Puppy_68
- Track 86 : B1_59
- Track 87 : Marchesa_65
- Track 88 : FlyCatcher_70, Toro_68
- Track 89 : Sheen_69

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

The start number called the most often in the published annotations is 21, it was called in 223 of the 380 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A6_58, AFIS_62, Abbyshoes_68, Acme_67, Adahisdi_65, Aeneas_69, Agaliana_61, Ajay_65, Aldrich_61, Alsfo_72, Altman_68, Anglerfish_66, Applejack_66,

Arcanine_68, Arlo_64, Ashballer_69, Atkinbua_69, BK1_58, BPBiebs31_69,
 BaconJack_71, Barriga_68, BarrowTuph_67, Beatrix_65, BeesKnees_68,
 Bethlehem_67, Bexan_63, Big3_66, BigMau_68, BigPaolini_62, Bigchungj_64,
 Bigfoot_59, BillKnuckles_63, Bircsak_66, Blackflame_61, Blessor_62, BluSpix_64,
 Blue_66, Bob3_67, Bones_64, Briton15_70, Bruns_68, Burton_67, Buttons_62,
 Bxb1_59, CactusRose_67, Carlyle_67, CartmannCramer_65, CatBus_61,
 Chanagan_59, ChristmasHams_60, Ciao_63, ConceptII_70, Corvo_66,
 Crispicous1_63, Cueyllyss_65, DD5_66, Dexes_66, DirtDevil_63, Doom_63,
 DrFeelGood_64, DreamCatcher_68, Dreamboat_68, Dulcie_66, Dussy_67,
 Dynamix_67, Edtherson_64, EnzoK_66, Espresso_63, Euphoria_65, Eyeball_67,
 Fajezeel_66, Fascinus_61, Fenn_72, Forsytheast_67, Francis47_65, Froghopper_63,
 Fushigi_61, GMonster_64, Gachnar_66, GageAP_67, Gandalf20_68, Gompeii16_66,
 Graduation_71, GrecoEtereo_65, Greg_66, GroundGoblin_62, Gwendoluna_70,
 Gyzlar_61, Hami1_61, HanShotFirst_67, HarryOW_63, Hermia_63,
 HermioneGrange_68, Homines_57, Hope4ever_67, ILeeKay_68, Ichabod_70,
 IgnatiusPatJac_66, Inyanga_61, Iqorha_61, JC27_70, JackSparrow_69, Jasper_67,
 Jerm2_67, Jorgensen_71, JuliaChild_67, KBG_67, KSSJEB_65, Kanely_67,
 Kenmech_70, KikiBouba_64, Killigrew_64, Kugel_70, KyMonks1A_70, Kykar_67,
 Lamina13_69, Lesedi_62, Levia_63, Licorice_66, LilBib_65, Lockley_65, Lopton_66,
 LunarLander_65, MPlant7149_66, Magnar_65, Magnito_67, Makemake_72,
 Manatee_66, Marcell_62, Marchy_59, Marco3_72, Marge_62, Maroc7_65,
 Marsha_66, MaryBeth_63, McGuire_66, McSinger_63, MetalQZJ_62, Michley_70,
 MilleFeuille_68, Mkhusele_61, Molly_67, Monet_68, Moose_67, MrGordo_69,
 Mryolo_64, Mule_63, Museum_68, NEHalo_63, Naira_71, Nerujay_71, Nhonho_65,
 Niza_68, Norz_65, Noxious_64, Ohno789_67, Oogway_64, PSullivan_64,
 PacerPaul_66, Paphu_65, Paraselene_67, Pari_70, Parliament_67,
 PascalRango_63, PattyP_68, Payneful_63, Pelly_68, Pepe_64, Perseus_64,
 Peterson_69, Petp2012_69, Petruchio_68, PherrisBueller_67, PhineBark_65,
 Phlippers_61, PhrostyMug_66, PinkPlastic_65, Pinto_66, Pippin_65, Pita2_67,
 PowerRanger_65, ProMouse_67, Puppet_64, QTRLifeCrisis_67, Raid_65,
 Rajelicia_66, Rhynn_62, RidgeCB_66, Ringer_69, Rohr_67, Rubeus_65, Rufus_68,
 Ruotula_72, Rutherford_67, STLscum_75, Sagefire_67, Sandaddy_63, Sanya_64,
 SarFire_65, Scowl_67, ShortQueendom_59, Sibs6_68, SkiPole_74, Slagathor_68,
 Smairt_68, Smeagol_68, Snazzy_63, Solon_64, Sorpresa_64, SpikeBT_64,
 Squee_69, StewieG_59, StrongArm_64, Sumter_62, Sunshine924_71,
 SwissCheese_69, Switzer_67, Swole_67, Target_69, Tasp14_69, Teodoridan_65,
 TheloniousMonk_70, Thor_65, Topgun_63, Tote_62, Traft412_69, Treddle_66,
 Tripl3t_70, Trouble_66, Turj99_64, TwoPeat_67, U2_62, Violet_63, Watermelon_65,
 Wheeler_68, Whitspit_61, Wilkins_64, Zeeculate_65, Zephyr_67, Zeuska_71,

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

- Abrogate_660,

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

- ACFishhook_69, Acolyte_62, Aglet_73, AgronaGT15_69, Anaysia_80, Anon_77,
 Anubis_75, AugsMagnumOpus_75, B1_59, BabyJohn_62, BabyRay_68,
 Battleship_82, Beauxregard13_71, Bigflo_69, BlueBird_70, Boohoo_80,
 BreSam8_72, Bugatti_67, Bxz2_67, Calvinny_71, Cat_62, Caviar_67, Chiqui_62,
 Chupacabra_62, Clammy_67, ClownCar_71, Colbster_68, Croquant_69, Cullens_72,
 DaHudson_71, Daishi_71, DekHockey33_81, Dieselweasel_72, DontArgue_61,
 Drake94_62, DropBear_68, DustyMartin_66, Eaglepride_66, Edison31_61, Elle_75,
 EpicPhail_73, Epsocamisio_76, Farber_72, Fernando_72, FlyCatcher_70,
 Fred313_65, Gemma_69, GingkoMaracino_72, Giroux_70, Goose1D_59,

Goose1X_65, Goose_65, Grif_70, Groupthink_72, Grub_70, Grum1_71, GtownJaz_72, Gwennie_72, HashRod_73, HaveUMetTed_72, Heathen_67, HelDan_67, Heliosoles_69, Hercules11_72, Idleandcovert_68, Isca_65, JF2_65, JF4_65, JHC117_68, JSwag_79, JenCasNa_73, JeppNRM_72, Jobu08_68, KADY_69, Kachowdy_68, Kalb97_72, Kalnoky_72, KatherineG_80, Kimona_64, KittenMittens_61, Kristoff_63, LBerry_73, Lambert1_67, LarryKay_72, LastResort_78, Lilith_70, Looper_79, Louie6_71, Iowa_69, LugYA_75, MA5_67, MK4_67, MadMarie_70, Mainiac_71, Malinsilva_74, Manu_71, MarQuardt_72, Marchesa_65, Marie_70, Marius_72, Methuselah_65, Microwolf_68, MinecraftSteve_80, Misommonster_73, MoneyMay_71, Montavir_67, MuchMore_75, Nebulosus_77, Nedarya_76, Noella_67, OKCentral2016_63, OlanP_70, Ollie_72, Oofda_80, P28Green_72, PGHhamlin_74, PainterBoy_74, Pawn_70, PeaceMeal1_62, Pembroke_72, Penny1_72, Phantastic_69, PhishRPhriends_68, Phlei_58, Phoebe_73, Phoxy_72, Phranny_72, Pistachio_67, Poompha_61, PotatoSplit_73, Puppy_68, PurpleHaze_71, Ravana_82, ReMo_78, Reba_71, Rebeuca_65, Remus_81, RhynO_64, Rockstar_66, Roimos_65, Rosalind_78, Rowdy_66, Rummer_71, Sabia_70, Sabinator_70, SaturnRing_67, Scout_66, Severus_62, Shapes_66, ShayRa_80, Sheen_69, Shep_65, Snickers_72, SoYo_69, SoilDragon_71, Soshari_74, Soups_80, Spike509_72, Stagni_69, StepMih_71, Strosahl_81, Switzerland_79, TNguyen7_68, Taurus_73, Texage_65, Tiffany_71, TinyPebbles_71, Topanga_61, Toro_68, Trike_61, Twister_63, Vix_68, Waits_80, WalterMcMickey_63, Warrior24_81, Watson_71, Wooldri_74, Zarafa_65, Zetzy_69,

Summary by start number:

Start 11:

- Found in 136 of 420 (32.4%) of genes in pham
- Manual Annotations of this start: 107 of 380
- Called 88.2% of time when present
- Phage (with cluster) where this start called: ACFishhook_69 (A3), Aglet_73 (A3), AgronaGT15_69 (A3), Anubis_75 (A3), AugsMagnumOpus_75 (A3), BabyRay_68 (A3), Beauxregard13_71 (A3), BlueBird_70 (A3), BreSam8_72 (A3), Bugatti_67 (A3), Calvinny_71 (A3), Cat_62 (A3), Caviar_67 (A3), Chupacabra_62 (A10), Clammy_67 (A3), ClownCar_71 (A3), Colbster_68 (A3), Cullens_72 (A3), DaHudson_71 (A3), DontArgue_61 (A10), Drake94_62 (A10), DropBear_68 (A3), DustyMartin_66 (A10), Eaglepride_66 (A10), Edison31_61 (A10), EpicPhail_73 (A3), Farber_72 (A3), Fernando_72 (A3), Fred313_65 (A3), Gemma_69 (A3), Giroux_70 (A3), Goose1D_59 (A3), Goose1X_65 (A3), Goose_65 (A10), Groupthink_72 (A3), Grub_70 (A3), Grum1_71 (A3), Gwennie_72 (A3), HaveUMetTed_72 (A3), Heathen_67 (A3), HelDan_67 (A3), Heliosoles_69 (A3), Hercules11_72 (A3), Idleandcovert_68 (A3), Isca_65 (A3), JF2_65 (A3), JF4_65 (A3), JenCasNa_73 (A3), JeppNRM_72 (A3), Jobu08_68 (A3), KADY_69 (A3), Kachowdy_68 (A3), Kalb97_72 (A3), Kalnoky_72 (A3), Kimona_64 (A19), KittenMittens_61 (A10), Kristoff_63 (A10), LBerry_73 (A3), Lambert1_67 (A3), Lilith_70 (A3), Louie6_71 (A3), LugYA_75 (A3), MA5_67 (A3), MK4_67 (A3), Malinsilva_74 (A3), Manu_71 (A3), MarQuardt_72 (A3), Marie_70 (A3), Marius_72 (A3), Methuselah_65 (A3), Microwolf_68 (A3), Misommonster_73 (A3), MoneyMay_71 (A3), MuchMore_75 (A3), Noella_67 (A3), OKCentral2016_63 (A10), OlanP_70 (A3), Ollie_72 (A3), P28Green_72 (A3), PGHhamlin_74 (A3), PeaceMeal1_62 (A10), Pembroke_72 (A3), Penny1_72 (A3), Phantastic_69 (A3), PhishRPhriends_68 (A3), Phoxy_72 (A3), Pistachio_67 (A3), Poompha_61 (A10), PotatoSplit_73 (A3), PurpleHaze_71 (A3), Rebeuca_65 (A10), RhynO_64 (A10), Rockstar_66 (A3), Roimos_65 (A3), Rowdy_66 (A10), Rummer_71 (A3), Sabinator_70 (A3), SaturnRing_67 (A3), Scout_66 (A3), Severus_62 (A10),

Shapes_66 (A10), Sheen_69 (A7), Shep_65 (A3), SoYo_69 (A3), SoilDragon_71 (A3), Soshari_74 (A3), Spike509_72 (A3), StepMih_71 (A3), Taurus_73 (A3), Texage_65 (A3), TinyPebbles_71 (A3), Topanga_61 (A10), Trike_61 (A10), Twister_63 (A10), Vix_68 (A3), WalterMcMickey_63 (A10), Watson_71 (A3), Wooldri_74 (A3), Zarafa_65 (A3), Zetzy_69 (A3),

Start 16:

- Found in 87 of 420 (20.7%) of genes in pham
- Manual Annotations of this start: 8 of 380
- Called 9.2% of time when present
- Phage (with cluster) where this start called: Daishi_71 (A3), Dieselweasel_72 (A3), GingkoMaracino_72 (A3), JHC117_68 (A3), MadMarie_70 (A3), Mainiac_71 (A3), Sabia_70 (A3), Tiffany_71 (A3),

Start 17:

- Found in 1 of 420 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 380
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PainterBoy_74 (A16),

Start 21:

- Found in 241 of 420 (57.4%) of genes in pham
- Manual Annotations of this start: 223 of 380
- Called 99.6% of time when present
- Phage (with cluster) where this start called: A6_58 (A1), AFIS_62 (A1), Abbyshoes_68 (A1), Acme_67 (A1), Adahisdi_65 (A1), Aeneas_69 (A1), Agaliana_61 (A1), Ajay_65 (A1), Aldrich_61 (A1), Alsfro_72 (A1), Altman_68 (A1), Anglerfish_66 (A1), Applejack_66 (A1), Arcanine_68 (A1), Arlo_64 (A1), Ashballer_69 (A1), Atkinbua_69 (A1), BK1_58 (A1), BPBiebs31_69 (A1), BaconJack_71 (A1), Barriga_68 (A1), BarrowTuph_67 (A1), Beatrix_65 (A1), BeesKnees_68 (A1), Bethlehem_67 (A1), Bexan_63 (A1), Big3_66 (A1), BigMau_68 (A1), BigPaolini_62 (A1), Bigchungi_64 (A1), Bigfoot_59 (A1), BillKnuckles_63 (A1), Bircsak_66 (A1), Blackflame_61 (A1), Blesser_62 (A1), BluSpix_64 (A1), Blue_66 (A1), Bob3_67 (A1), Bones_64 (A1), Briton15_70 (A1), Bruns_68 (A1), Burton_67 (A1), Buttons_62 (A1), Bxb1_59 (A1), CactusRose_67 (A1), Carlyle_67 (A1), CartmannCramer_65 (A1), CatBus_61 (A1), Chanagan_59 (A1), ChristmasHams_60 (A1), Ciao_63 (A1), ConceptII_70 (A1), Corvo_66 (A1), Crispicous1_63 (A1), Cueylyss_65 (A1), DD5_66 (A1), Dexes_66 (A1), DirtDevil_63 (A1), Doom_63 (A1), DrFeelGood_64 (A1), DreamCatcher_68 (A1), Dreamboat_68 (A1), Dulcie_66 (A1), Dussy_67 (A1), Dynamix_67 (A1), Edtherson_64 (A1), EnzoK_66 (A1), Espresso_63 (A1), Euphoria_65 (A1), Eyeball_67 (A1), Fajezeel_66 (A1), Fascinus_61 (A1), Fenn_72 (A1), Forsytheast_67 (A1), Francis47_65 (A1), Froghopper_63 (A1), Fushigi_61 (A1), GMonster_64 (A1), Gachnar_66 (A1), GageAP_67 (A1), Gandalf20_68 (A1), Gompeii16_66 (A1), Graduation_71 (A1), GrecoEtereo_65 (A1), Greg_66 (A1), GroundGoblin_62 (A1), Gwendoluna_70 (A1), Gyzlar_61 (A1), Hami1_61 (A1), HanShotFirst_67 (A1), HarryOW_63 (A1), Hermia_63 (A1), HermioneGrange_68 (A1), Homines_57 (A1), Hope4ever_67 (A1), ILeeKay_68 (A1), Ichabod_70 (A1), IgnatiusPatJac_66 (A1), Inyanga_61 (A1), Iqorha_61 (A1), JC27_70 (A1), JackSparrow_69 (A1), Jasper_67 (A1), Jerm2_67 (A1), Jorgensen_71 (A1), JuliaChild_67 (A1), KBG_67 (A1), KSSJEB_65 (A1), Kanely_67 (A1), Kenmech_70 (A1), KikiBouba_64 (A1), Killigrew_64 (A1), Kugel_70 (A1), KyMonks1A_70 (A1), Kykar_67 (A1), Lamina13_69 (A1), Lesedi_62 (A1), Levia_63 (A1), Licorice_66 (A1), LilBib_65 (A1), Lockley_65 (A1), Lopton_66 (A1), LunarLander_65 (A1),

MPlant7149_66 (A1), Magnar_65 (A1), Magnito_67 (A1), Makemake_72 (A1), Manatee_66 (A1), Marcell_62 (A1), Marchy_59 (A1), Marco3_72 (A1), Marge_62 (A1), Maroc7_65 (A1), Marsha_66 (A1), MaryBeth_63 (A1), McGuire_66 (A1), McSinger_63 (A1), MetalQZJ_62 (A1), Michley_70 (A1), MilleFeuille_68 (A1), Mkhuseleli_61 (A1), Molly_67 (A1), Monet_68 (A1), Moose_67 (A1), MrGordo_69 (A1), Mryolo_64 (A1), Mule_63 (A1), Museum_68 (A1), NEHalo_63 (A1), Naira_71 (A1), Nerujay_71 (A1), Nhonho_65 (A1), Niza_68 (A1), Norz_65 (A1), Noxious_64 (A1), Ohno789_67 (A1), Oogway_64 (A1), PSullivan_64 (A1), PacerPaul_66 (A1), Paphu_65 (A1), Paraselene_67 (A1), Pari_70 (A1), Parliament_67 (A1), PascalRango_63 (A1), PattyP_68 (A1), Payneful_63 (A1), Pelly_68 (A1), Pepe_64 (A1), Perseus_64 (A1), Peterson_69 (A1), Petp2012_69 (A1), Petruchio_68 (A1), PherrisBueller_67 (A1), PhineBark_65 (A1), Phlippers_61 (A1), PhrostyMug_66 (A1), PinkPlastic_65 (A1), Pinto_66 (A1), Pippin_65 (A1), Pita2_67 (A1), PowerRanger_65 (A1), ProMouse_67 (A1), Puppet_64 (A1), QTRlifeCrisis_67 (A1), Raid_65 (A1), Rajelicia_66 (A1), Rhynn_62 (A1), RidgeCB_66 (A1), Ringer_69 (A1), Rohr_67 (A1), Rubeus_65 (A1), Rufus_68 (A1), Ruotula_72 (A1), Rutherferd_67 (A1), STLscum_75 (A1), Sagefire_67 (A1), Sandaddy_63 (A1), Sanya_64 (A1), SarFire_65 (A1), Scowl_67 (A1), ShortQueendom_59 (A1), Sibs6_68 (A1), SkiPole_74 (A1), Slagathor_68 (A1), Smairt_68 (A1), Smeagol_68 (A1), Snazzy_63 (A1), Solon_64 (A1), Sorpresa_64 (A1), SpikeBT_64 (A1), Squee_69 (A1), StewieG_59 (A1), StrongArm_64 (A1), Sumter_62 (A1), Sunshine924_71 (A1), SwissCheese_69 (A1), Switzer_67 (A1), Swole_67 (A1), Target_69 (A1), Tasp14_69 (A1), Teodoridan_65 (A1), TheloniousMonk_70 (A1), Thor_65 (A1), Topgun_63 (A1), Tote_62 (A1), Traft412_69 (A1), Treddle_66 (A1), Tripl3t_70 (A1), Trouble_66 (A1), Turj99_64 (A1), TwoPeat_67 (A1), U2_62 (A1), Violet_63 (A1), Watermelon_65 (A1), Wheeler_68 (A1), Whitspit_61 (A1), Wilkins_64 (A1), Zeeculate_65 (A1), Zephyr_67 (A1), Zeuska_71 (A1),

Start 22:

- Found in 3 of 420 (0.7%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present
- Phage (with cluster) where this start called: FlyCatcher_70 (A7), Toro_68 (A7),

Start 27:

- Found in 25 of 420 (6.0%) of genes in pham
- Manual Annotations of this start: 25 of 380
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anaysia_80 (A15), Anon_77 (A15), Battleship_82 (A15), Boohoo_80 (A15), DekHockey33_81 (A15), Elle_75 (A15), Epsocamisio_76 (A15), JSwag_79 (A15), KatherineG_80 (A15), LastResort_78 (A15), Looper_79 (A15), MinecraftSteve_80 (A15), Nebulosus_77 (A15), Nedarya_76 (A15), Oofda_80 (A15), Ravana_82 (A15), ReMo_78 (A15), Remus_81 (A15), Rosalind_78 (A15), ShayRa_80 (A15), Soups_80 (A15), Strosahl_81 (A15), Switzerland_79 (A15), Waits_80 (A15), Warrior24_81 (A15),

Start 28:

- Found in 126 of 420 (30.0%) of genes in pham
- Manual Annotations of this start: 14 of 380
- Called 16.7% of time when present
- Phage (with cluster) where this start called: B1_59 (A3), BabyJohn_62 (A3), Bigflo_69 (A3), Bxz2_67 (A3), Chiqui_62 (A3), Croquant_69 (A3), Grif_70 (A3), GtownJaz_72 (A3), HashRod_73 (A3), LarryKay_72 (A3), Iowa_69 (A3),

Marchesa_65 (A3), Montavir_67 (A3), Pawn_70 (A3), Phoebe_73 (A3), Phranny_72 (A3), Puppy_68 (A3), Reba_71 (A3), Snickers_72 (A3), Stagni_69 (A3), TNguyen7_68 (A3),

Start 29:

- Found in 1 of 420 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phlei_58 (A13),

Start 32:

- Found in 233 of 420 (55.5%) of genes in pham
- Manual Annotations of this start: 1 of 380
- Called 0.4% of time when present
- Phage (with cluster) where this start called: Abrogate_660 (A1),

Start 34:

- Found in 1 of 420 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 380
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acolyte_62 (A2),

Summary by clusters:

There are 9 clusters represented in this pham: A15, A16, A10, A13, A19, A1, A3, A2, A7,

Info for manual annotations of cluster A1:

- Start number 21 was manually annotated 223 times for cluster A1.
- Start number 32 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:

- Start number 11 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A15:

- Start number 27 was manually annotated 25 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 17 was manually annotated 1 time for cluster A16.

Info for manual annotations of cluster A19:

- Start number 11 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 34 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A3:

- Start number 11 was manually annotated 88 times for cluster A3.
- Start number 16 was manually annotated 8 times for cluster A3.
- Start number 28 was manually annotated 14 times for cluster A3.

Info for manual annotations of cluster A7:

- Start number 11 was manually annotated 1 time for cluster A7.

Gene Information:

Gene: A6_58 Start: 40313, Stop: 40020, Start Num: 21

Candidate Starts for A6_58:

(Start: 21 @40313 has 223 MA's), (Start: 32 @40268 has 1 MA's), (36, 40238), (42, 40190), (48, 40148),

Gene: ACFishhook_69 Start: 42330, Stop: 42022, Start Num: 11

Candidate Starts for ACFishhook_69:

(Start: 11 @42330 has 107 MA's), (Start: 16 @42312 has 8 MA's), (20, 42297), (Start: 28 @42276 has 14 MA's), (35, 42243), (42, 42192), (43, 42183), (46, 42156), (48, 42150), (49, 42141), (53, 42117),

Gene: AFIS_62 Start: 41768, Stop: 41475, Start Num: 21

Candidate Starts for AFIS_62:

(1, 42026), (3, 41990), (9, 41795), (Start: 21 @41768 has 223 MA's), (Start: 32 @41723 has 1 MA's), (36, 41693), (38, 41681), (42, 41645), (48, 41603),

Gene: Abbyshoes_68 Start: 43272, Stop: 42979, Start Num: 21

Candidate Starts for Abbyshoes_68:

(Start: 21 @43272 has 223 MA's), (Start: 32 @43227 has 1 MA's), (36, 43197), (42, 43149), (48, 43107),

Gene: Abrogate_660 Start: 44316, Stop: 44068, Start Num: 32

Candidate Starts for Abrogate_660:

(Start: 21 @44361 has 223 MA's), (Start: 32 @44316 has 1 MA's), (42, 44238), (48, 44196),

Gene: Acme_67 Start: 42824, Stop: 42531, Start Num: 21

Candidate Starts for Acme_67:

(9, 42851), (Start: 21 @42824 has 223 MA's), (Start: 32 @42779 has 1 MA's), (36, 42749), (42, 42701), (48, 42659),

Gene: Acolyte_62 Start: 41272, Stop: 41048, Start Num: 34

Candidate Starts for Acolyte_62:

(23, 41311), (Start: 34 @41272 has 1 MA's), (43, 41200), (48, 41167), (53, 41134), (54, 41125), (55, 41113),

Gene: Adahisdi_65 Start: 43768, Stop: 43475, Start Num: 21

Candidate Starts for Adahisdi_65:

(Start: 21 @43768 has 223 MA's), (Start: 32 @43723 has 1 MA's), (36, 43693), (42, 43645), (48, 43603),

Gene: Aeneas_69 Start: 44571, Stop: 44278, Start Num: 21

Candidate Starts for Aeneas_69:

(Start: 21 @44571 has 223 MA's), (Start: 32 @44526 has 1 MA's), (36, 44496), (42, 44448), (48, 44406),

Gene: Agaliana_61 Start: 39647, Stop: 39354, Start Num: 21

Candidate Starts for Agaliana_61:

(Start: 21 @39647 has 223 MA's), (Start: 32 @39602 has 1 MA's), (36, 39572), (42, 39524), (48, 39482),

Gene: Aglet_73 Start: 42442, Stop: 42134, Start Num: 11

Candidate Starts for Aglet_73:

(Start: 11 @42442 has 107 MA's), (Start: 16 @42424 has 8 MA's), (20, 42409), (Start: 28 @42388 has 14 MA's), (35, 42355), (42, 42304), (43, 42295), (46, 42268), (48, 42262), (53, 42229),

Gene: AgronaGT15_69 Start: 42290, Stop: 41982, Start Num: 11

Candidate Starts for AgronaGT15_69:

(Start: 11 @42290 has 107 MA's), (Start: 16 @42272 has 8 MA's), (20, 42257), (Start: 28 @42236 has 14 MA's), (35, 42203), (42, 42152), (43, 42143), (46, 42116), (48, 42110), (53, 42077),

Gene: Ajay_65 Start: 42714, Stop: 42421, Start Num: 21

Candidate Starts for Ajay_65:

(Start: 21 @42714 has 223 MA's), (Start: 32 @42669 has 1 MA's), (36, 42639), (42, 42591), (48, 42549),

Gene: Aldrich_61 Start: 42001, Stop: 41708, Start Num: 21

Candidate Starts for Aldrich_61:

(9, 42028), (Start: 21 @42001 has 223 MA's), (36, 41926), (42, 41878), (48, 41836),

Gene: Alsfro_72 Start: 43165, Stop: 42872, Start Num: 21

Candidate Starts for Alsfro_72:

(Start: 21 @43165 has 223 MA's), (Start: 32 @43120 has 1 MA's), (36, 43090), (42, 43042), (48, 43000),

Gene: Altman_68 Start: 42803, Stop: 42510, Start Num: 21

Candidate Starts for Altman_68:

(9, 42830), (Start: 21 @42803 has 223 MA's), (Start: 32 @42758 has 1 MA's), (36, 42728), (38, 42716), (42, 42680), (48, 42638),

Gene: Anaysia_80 Start: 43699, Stop: 43421, Start Num: 27

Candidate Starts for Anaysia_80:

(7, 43759), (Start: 27 @43699 has 25 MA's), (40, 43621), (43, 43582), (48, 43549), (52, 43519), (53, 43516), (55, 43495), (57, 43462),

Gene: Anglerfish_66 Start: 42975, Stop: 42682, Start Num: 21

Candidate Starts for Anglerfish_66:

(9, 43002), (Start: 21 @42975 has 223 MA's), (Start: 32 @42930 has 1 MA's), (36, 42900), (42, 42852), (48, 42810),

Gene: Anon_77 Start: 43390, Stop: 43115, Start Num: 27

Candidate Starts for Anon_77:

(Start: 27 @43390 has 25 MA's), (39, 43324), (43, 43273), (44, 43258), (49, 43231), (52, 43210), (53, 43207), (58, 43147),

Gene: Anubis_75 Start: 42328, Stop: 42020, Start Num: 11

Candidate Starts for Anubis_75:

(Start: 11 @42328 has 107 MA's), (Start: 16 @42310 has 8 MA's), (20, 42295), (Start: 28 @42274 has 14 MA's), (35, 42241), (42, 42190), (43, 42181), (46, 42154), (48, 42148), (53, 42115),

Gene: Applejack_66 Start: 41373, Stop: 41080, Start Num: 21

Candidate Starts for Applejack_66:

(9, 41400), (Start: 21 @41373 has 223 MA's), (Start: 32 @41328 has 1 MA's), (36, 41298), (38, 41286), (42, 41250), (48, 41208),

Gene: Arcanine_68 Start: 43699, Stop: 43406, Start Num: 21

Candidate Starts for Arcanine_68:

(9, 43726), (Start: 21 @43699 has 223 MA's), (Start: 32 @43654 has 1 MA's), (36, 43624), (42, 43576), (48, 43534),

Gene: Arlo_64 Start: 42290, Stop: 41997, Start Num: 21

Candidate Starts for Arlo_64:

(9, 42317), (Start: 21 @42290 has 223 MA's), (Start: 32 @42245 has 1 MA's), (36, 42215), (42, 42167), (48, 42125),

Gene: Ashballer_69 Start: 43449, Stop: 43156, Start Num: 21

Candidate Starts for Ashballer_69:

(9, 43476), (Start: 21 @43449 has 223 MA's), (Start: 32 @43404 has 1 MA's), (36, 43374), (38, 43362), (42, 43326), (48, 43284),

Gene: Atkinbua_69 Start: 42674, Stop: 42381, Start Num: 21

Candidate Starts for Atkinbua_69:

(9, 42701), (Start: 21 @42674 has 223 MA's), (Start: 32 @42629 has 1 MA's), (36, 42599), (42, 42551), (48, 42509), (59, 42404),

Gene: AugsMagnumOpus_75 Start: 42433, Stop: 42125, Start Num: 11

Candidate Starts for AugsMagnumOpus_75:

(Start: 11 @42433 has 107 MA's), (Start: 16 @42415 has 8 MA's), (20, 42400), (Start: 28 @42379 has 14 MA's), (35, 42346), (42, 42295), (43, 42286), (46, 42259), (48, 42253), (53, 42220),

Gene: B1_59 Start: 40295, Stop: 39984, Start Num: 28

Candidate Starts for B1_59:

(Start: 11 @40352 has 107 MA's), (20, 40319), (Start: 28 @40295 has 14 MA's), (50, 40145), (53, 40127), (54, 40118), (55, 40106),

Gene: BK1_58 Start: 40313, Stop: 40020, Start Num: 21

Candidate Starts for BK1_58:

(Start: 21 @40313 has 223 MA's), (Start: 32 @40268 has 1 MA's), (36, 40238), (42, 40190), (48, 40148),

Gene: BPBiebs31_69 Start: 43396, Stop: 43103, Start Num: 21

Candidate Starts for BPBiebs31_69:

(9, 43423), (Start: 21 @43396 has 223 MA's), (Start: 32 @43351 has 1 MA's), (36, 43321), (38, 43309), (42, 43273), (48, 43231),

Gene: BabyJohn_62 Start: 42122, Stop: 41811, Start Num: 28

Candidate Starts for BabyJohn_62:

(Start: 11 @42179 has 107 MA's), (20, 42146), (Start: 28 @42122 has 14 MA's), (50, 41972), (53, 41954), (55, 41933),

Gene: BabyRay_68 Start: 42157, Stop: 41789, Start Num: 11

Candidate Starts for BabyRay_68:

(Start: 11 @42157 has 107 MA's), (20, 42124), (Start: 28 @42100 has 14 MA's), (53, 41932), (54, 41923), (55, 41911),

Gene: BaconJack_71 Start: 45661, Stop: 45368, Start Num: 21

Candidate Starts for BaconJack_71:

(9, 45688), (Start: 21 @45661 has 223 MA's), (Start: 32 @45616 has 1 MA's), (36, 45586), (42, 45538), (48, 45496),

Gene: Barriga_68 Start: 41452, Stop: 41159, Start Num: 21

Candidate Starts for Barriga_68:

(9, 41479), (Start: 21 @41452 has 223 MA's), (Start: 32 @41407 has 1 MA's), (36, 41377), (38, 41365), (42, 41329), (48, 41287),

Gene: BarrowTuph_67 Start: 42484, Stop: 42191, Start Num: 21

Candidate Starts for BarrowTuph_67:

(Start: 21 @42484 has 223 MA's), (Start: 32 @42439 has 1 MA's), (36, 42409), (42, 42361), (48, 42319),

Gene: Battleship_82 Start: 43572, Stop: 43294, Start Num: 27

Candidate Starts for Battleship_82:

(7, 43632), (Start: 27 @43572 has 25 MA's), (40, 43494), (43, 43455), (48, 43422), (52, 43392), (53, 43389), (55, 43368), (57, 43335),

Gene: Beatrix_65 Start: 43536, Stop: 43243, Start Num: 21

Candidate Starts for Beatrix_65:

(9, 43563), (Start: 21 @43536 has 223 MA's), (Start: 32 @43491 has 1 MA's), (36, 43461), (42, 43413), (48, 43371),

Gene: Beauxregard13_71 Start: 42445, Stop: 42137, Start Num: 11

Candidate Starts for Beauxregard13_71:

(Start: 11 @42445 has 107 MA's), (Start: 16 @42427 has 8 MA's), (20, 42412), (Start: 28 @42391 has 14 MA's), (35, 42358), (42, 42307), (43, 42298), (46, 42271), (48, 42265), (53, 42232),

Gene: BeesKnees_68 Start: 42003, Stop: 41710, Start Num: 21

Candidate Starts for BeesKnees_68:

(9, 42030), (Start: 21 @42003 has 223 MA's), (Start: 32 @41958 has 1 MA's), (36, 41928), (42, 41880), (48, 41838),

Gene: Bethlehem_67 Start: 44314, Stop: 44021, Start Num: 21

Candidate Starts for Bethlehem_67:

(9, 44341), (Start: 21 @44314 has 223 MA's), (Start: 32 @44269 has 1 MA's), (36, 44239), (42, 44191), (48, 44149),

Gene: Bexan_63 Start: 43315, Stop: 43022, Start Num: 21

Candidate Starts for Bexan_63:

(9, 43342), (Start: 21 @43315 has 223 MA's), (Start: 32 @43270 has 1 MA's), (36, 43240), (42, 43192), (48, 43150),

Gene: Big3_66 Start: 43783, Stop: 43490, Start Num: 21

Candidate Starts for Big3_66:

(Start: 21 @43783 has 223 MA's), (Start: 32 @43738 has 1 MA's), (36, 43708), (42, 43660), (48, 43618),

Gene: BigMau_68 Start: 43204, Stop: 42911, Start Num: 21

Candidate Starts for BigMau_68:

(2, 43432), (9, 43231), (Start: 21 @43204 has 223 MA's), (Start: 32 @43159 has 1 MA's), (36, 43129), (42, 43081), (48, 43039),

Gene: BigPaolini_62 Start: 40440, Stop: 40147, Start Num: 21

Candidate Starts for BigPaolini_62:

(Start: 21 @40440 has 223 MA's), (Start: 32 @40395 has 1 MA's), (36, 40365), (42, 40317), (48, 40275),

Gene: Bigchungi_64 Start: 42232, Stop: 41939, Start Num: 21

Candidate Starts for Bigchungi_64:

(9, 42259), (Start: 21 @42232 has 223 MA's), (Start: 32 @42187 has 1 MA's), (36, 42157), (42, 42109), (48, 42067),

Gene: Bigflo_69 Start: 42387, Stop: 42133, Start Num: 28

Candidate Starts for Bigflo_69:

(Start: 11 @42441 has 107 MA's), (Start: 16 @42423 has 8 MA's), (20, 42408), (Start: 28 @42387 has 14 MA's), (35, 42354), (42, 42303), (43, 42294), (46, 42267), (48, 42261), (53, 42228),

Gene: Bigfoot_59 Start: 41835, Stop: 41542, Start Num: 21

Candidate Starts for Bigfoot_59:

(9, 41862), (Start: 21 @41835 has 223 MA's), (Start: 32 @41790 has 1 MA's), (36, 41760), (38, 41748), (42, 41712), (48, 41670),

Gene: BillKnuckles_63 Start: 43835, Stop: 43542, Start Num: 21

Candidate Starts for BillKnuckles_63:

(Start: 21 @43835 has 223 MA's), (Start: 32 @43790 has 1 MA's), (36, 43760), (42, 43712), (48, 43670),

Gene: Bircsak_66 Start: 44564, Stop: 44271, Start Num: 21

Candidate Starts for Bircsak_66:

(Start: 21 @44564 has 223 MA's), (Start: 32 @44519 has 1 MA's), (36, 44489), (42, 44441), (48, 44399),

Gene: Blackflame_61 Start: 41979, Stop: 41686, Start Num: 21

Candidate Starts for Blackflame_61:

(Start: 21 @41979 has 223 MA's), (Start: 32 @41934 has 1 MA's), (36, 41904), (42, 41856), (48, 41814),

Gene: Blessor_62 Start: 41585, Stop: 41292, Start Num: 21

Candidate Starts for Blessor_62:

(Start: 21 @41585 has 223 MA's), (Start: 32 @41540 has 1 MA's), (36, 41510), (42, 41462), (48, 41420),

Gene: BluSpix_64 Start: 38419, Stop: 38126, Start Num: 21

Candidate Starts for BluSpix_64:

(9, 38446), (Start: 21 @38419 has 223 MA's), (Start: 32 @38374 has 1 MA's), (36, 38344), (42, 38296), (48, 38254),

Gene: Blue_66 Start: 43535, Stop: 43242, Start Num: 21

Candidate Starts for Blue_66:

(9, 43562), (Start: 21 @43535 has 223 MA's), (Start: 32 @43490 has 1 MA's), (36, 43460), (42, 43412), (48, 43370),

Gene: BlueBird_70 Start: 42204, Stop: 41836, Start Num: 11

Candidate Starts for BlueBird_70:

(Start: 11 @42204 has 107 MA's), (18, 42183), (20, 42171), (Start: 28 @42147 has 14 MA's), (50, 41997), (53, 41979), (55, 41958),

Gene: Bob3_67 Start: 42474, Stop: 42181, Start Num: 21

Candidate Starts for Bob3_67:

(9, 42501), (Start: 21 @42474 has 223 MA's), (Start: 32 @42429 has 1 MA's), (36, 42399), (42, 42351), (48, 42309),

Gene: Bones_64 Start: 43490, Stop: 43197, Start Num: 21

Candidate Starts for Bones_64:

(8, 43526), (Start: 21 @43490 has 223 MA's), (Start: 32 @43445 has 1 MA's), (36, 43415), (42, 43367), (48, 43325),

Gene: Boohoo_80 Start: 43699, Stop: 43421, Start Num: 27

Candidate Starts for Boohoo_80:

(7, 43759), (Start: 27 @43699 has 25 MA's), (40, 43621), (43, 43582), (48, 43549), (52, 43519), (53, 43516), (55, 43495), (57, 43462),

Gene: BreSam8_72 Start: 42435, Stop: 42127, Start Num: 11

Candidate Starts for BreSam8_72:

(Start: 11 @42435 has 107 MA's), (Start: 16 @42417 has 8 MA's), (20, 42402), (Start: 28 @42381 has 14 MA's), (35, 42348), (42, 42297), (43, 42288), (46, 42261), (48, 42255), (53, 42222),

Gene: Briton15_70 Start: 44278, Stop: 43985, Start Num: 21

Candidate Starts for Briton15_70:

(9, 44305), (Start: 21 @44278 has 223 MA's), (Start: 32 @44233 has 1 MA's), (36, 44203), (42, 44155), (48, 44113),

Gene: Bruns_68 Start: 42415, Stop: 42122, Start Num: 21

Candidate Starts for Bruns_68:

(9, 42442), (Start: 21 @42415 has 223 MA's), (Start: 32 @42370 has 1 MA's), (36, 42340), (38, 42328), (42, 42292), (48, 42250),

Gene: Bugatti_67 Start: 42204, Stop: 41836, Start Num: 11

Candidate Starts for Bugatti_67:

(Start: 11 @42204 has 107 MA's), (18, 42183), (20, 42171), (Start: 28 @42147 has 14 MA's), (50, 41997), (53, 41979), (55, 41958),

Gene: Burton_67 Start: 44237, Stop: 43944, Start Num: 21

Candidate Starts for Burton_67:

(9, 44264), (Start: 21 @44237 has 223 MA's), (Start: 32 @44192 has 1 MA's), (36, 44162), (42, 44114), (48, 44072),

Gene: Buttons_62 Start: 39954, Stop: 39661, Start Num: 21

Candidate Starts for Buttons_62:

(9, 39981), (Start: 21 @39954 has 223 MA's), (Start: 32 @39909 has 1 MA's), (36, 39879), (42, 39831), (48, 39789),

Gene: Bxb1_59 Start: 41067, Stop: 40774, Start Num: 21

Candidate Starts for Bxb1_59:

(9, 41094), (Start: 21 @41067 has 223 MA's), (Start: 32 @41022 has 1 MA's), (36, 40992), (38, 40980), (42, 40944), (48, 40902),

Gene: Bxz2_67 Start: 42422, Stop: 42168, Start Num: 28

Candidate Starts for Bxz2_67:

(Start: 11 @42476 has 107 MA's), (Start: 16 @42458 has 8 MA's), (20, 42443), (Start: 28 @42422 has 14 MA's), (35, 42389), (42, 42338), (43, 42329), (46, 42302), (48, 42296), (53, 42263),

Gene: CactusRose_67 Start: 42855, Stop: 42562, Start Num: 21

Candidate Starts for CactusRose_67:

(9, 42882), (Start: 21 @42855 has 223 MA's), (Start: 32 @42810 has 1 MA's), (36, 42780), (42, 42732), (48, 42690),

Gene: Calvinny_71 Start: 42258, Stop: 41950, Start Num: 11

Candidate Starts for Calvinny_71:

(Start: 11 @42258 has 107 MA's), (Start: 16 @42240 has 8 MA's), (20, 42225), (Start: 28 @42204 has 14 MA's), (35, 42171), (42, 42120), (43, 42111), (46, 42084), (48, 42078), (53, 42045),

Gene: Carlyle_67 Start: 41641, Stop: 41348, Start Num: 21

Candidate Starts for Carlyle_67:

(Start: 21 @41641 has 223 MA's), (Start: 32 @41596 has 1 MA's), (36, 41566), (42, 41518), (48, 41476),

Gene: CartmannCramer_65 Start: 44511, Stop: 44218, Start Num: 21

Candidate Starts for CartmannCramer_65:

(9, 44538), (Start: 21 @44511 has 223 MA's), (Start: 32 @44466 has 1 MA's), (36, 44436), (42, 44388), (48, 44346),

Gene: CatBus_61 Start: 42193, Stop: 41900, Start Num: 21

Candidate Starts for CatBus_61:

(9, 42220), (Start: 21 @42193 has 223 MA's), (36, 42118), (42, 42070), (48, 42028),

Gene: Cat_62 Start: 41770, Stop: 41402, Start Num: 11

Candidate Starts for Cat_62:

(Start: 11 @41770 has 107 MA's), (20, 41737), (Start: 28 @41713 has 14 MA's), (53, 41545), (54, 41536), (55, 41524),

Gene: Caviar_67 Start: 42160, Stop: 41789, Start Num: 11

Candidate Starts for Caviar_67:

(Start: 11 @42160 has 107 MA's), (20, 42127), (Start: 28 @42103 has 14 MA's), (42, 42007), (50, 41950), (53, 41932), (55, 41911),

Gene: Chanagan_59 Start: 40048, Stop: 39755, Start Num: 21

Candidate Starts for Chanagan_59:

(9, 40075), (Start: 21 @40048 has 223 MA's), (Start: 32 @40003 has 1 MA's), (36, 39973), (42, 39925), (48, 39883),

Gene: Chiqui_62 Start: 42131, Stop: 41820, Start Num: 28

Candidate Starts for Chiqui_62:

(Start: 11 @42188 has 107 MA's), (20, 42155), (Start: 28 @42131 has 14 MA's), (50, 41981), (53, 41963), (55, 41942),

Gene: ChristmasHams_60 Start: 40214, Stop: 39921, Start Num: 21

Candidate Starts for ChristmasHams_60:

(Start: 21 @40214 has 223 MA's), (Start: 32 @40169 has 1 MA's), (36, 40139), (42, 40091), (48, 40049),

Gene: Chupacabra_62 Start: 41312, Stop: 41004, Start Num: 11

Candidate Starts for Chupacabra_62:

(Start: 11 @41312 has 107 MA's), (25, 41270), (33, 41246), (49, 41123), (53, 41099), (60, 41024),

Gene: Ciao_63 Start: 41412, Stop: 41119, Start Num: 21

Candidate Starts for Ciao_63:

(9, 41439), (Start: 21 @41412 has 223 MA's), (Start: 32 @41367 has 1 MA's), (36, 41337), (42, 41289), (48, 41247),

Gene: Clammy_67 Start: 42204, Stop: 41836, Start Num: 11

Candidate Starts for Clammy_67:

(Start: 11 @42204 has 107 MA's), (18, 42183), (20, 42171), (Start: 28 @42147 has 14 MA's), (50, 41997), (53, 41979), (55, 41958),

Gene: ClownCar_71 Start: 42251, Stop: 41943, Start Num: 11

Candidate Starts for ClownCar_71:

(Start: 11 @42251 has 107 MA's), (Start: 16 @42233 has 8 MA's), (20, 42218), (Start: 28 @42197 has 14 MA's), (35, 42164), (42, 42113), (43, 42104), (46, 42077), (48, 42071), (49, 42062), (53, 42038),

Gene: Colbster_68 Start: 42445, Stop: 42137, Start Num: 11

Candidate Starts for Colbster_68:

(Start: 11 @42445 has 107 MA's), (Start: 16 @42427 has 8 MA's), (20, 42412), (Start: 28 @42391 has 14 MA's), (35, 42358), (42, 42307), (43, 42298), (46, 42271), (48, 42265), (53, 42232),

Gene: ConceptII_70 Start: 44031, Stop: 43738, Start Num: 21

Candidate Starts for ConceptII_70:

(9, 44058), (Start: 21 @44031 has 223 MA's), (Start: 32 @43986 has 1 MA's), (36, 43956), (42, 43908), (48, 43866),

Gene: Corvo_66 Start: 43343, Stop: 43050, Start Num: 21

Candidate Starts for Corvo_66:

(9, 43370), (Start: 21 @43343 has 223 MA's), (Start: 32 @43298 has 1 MA's), (36, 43268), (42, 43220), (48, 43178),

Gene: Crispicous1_63 Start: 41754, Stop: 41461, Start Num: 21

Candidate Starts for Crispicous1_63:

(9, 41781), (Start: 21 @41754 has 223 MA's), (Start: 32 @41709 has 1 MA's), (36, 41679), (42, 41631), (48, 41589),

Gene: Croquant_69 Start: 42386, Stop: 42132, Start Num: 28

Candidate Starts for Croquant_69:

(Start: 16 @42422 has 8 MA's), (20, 42407), (Start: 28 @42386 has 14 MA's), (35, 42353), (42, 42302), (43, 42293), (46, 42266), (48, 42260), (53, 42227),

Gene: Cueylyss_65 Start: 43690, Stop: 43397, Start Num: 21

Candidate Starts for Cueylyss_65:

(Start: 21 @43690 has 223 MA's), (Start: 32 @43645 has 1 MA's), (36, 43615), (38, 43603), (42, 43567), (48, 43525),

Gene: Cullens_72 Start: 42441, Stop: 42133, Start Num: 11

Candidate Starts for Cullens_72:

(Start: 11 @42441 has 107 MA's), (Start: 16 @42423 has 8 MA's), (20, 42408), (Start: 28 @42387 has 14 MA's), (35, 42354), (42, 42303), (43, 42294), (46, 42267), (48, 42261), (53, 42228),

Gene: DD5_66 Start: 43578, Stop: 43285, Start Num: 21

Candidate Starts for DD5_66:

(9, 43605), (Start: 21 @43578 has 223 MA's), (Start: 32 @43533 has 1 MA's), (36, 43503), (42, 43455), (48, 43413),

Gene: DaHudson_71 Start: 42434, Stop: 42126, Start Num: 11

Candidate Starts for DaHudson_71:

(Start: 11 @42434 has 107 MA's), (Start: 16 @42416 has 8 MA's), (20, 42401), (Start: 28 @42380 has 14 MA's), (35, 42347), (42, 42296), (43, 42287), (46, 42260), (48, 42254), (53, 42221),

Gene: Daishi_71 Start: 41292, Stop: 41002, Start Num: 16

Candidate Starts for Daishi_71:

(Start: 16 @41292 has 8 MA's), (20, 41277), (Start: 28 @41256 has 14 MA's), (35, 41223), (42, 41172), (43, 41163), (46, 41136), (48, 41130), (53, 41097),

Gene: DekHockey33_81 Start: 43657, Stop: 43379, Start Num: 27

Candidate Starts for DekHockey33_81:

(7, 43717), (Start: 27 @43657 has 25 MA's), (40, 43579), (43, 43540), (48, 43507), (52, 43477), (53, 43474), (55, 43453), (57, 43420),

Gene: Dexes_66 Start: 43299, Stop: 43006, Start Num: 21

Candidate Starts for Dexes_66:

(Start: 21 @43299 has 223 MA's), (Start: 32 @43254 has 1 MA's), (42, 43176), (48, 43134),

Gene: Dieselweasel_72 Start: 42426, Stop: 42136, Start Num: 16

Candidate Starts for Dieselweasel_72:

(Start: 16 @42426 has 8 MA's), (20, 42411), (Start: 28 @42390 has 14 MA's), (35, 42357), (42, 42306), (43, 42297), (46, 42270), (48, 42264), (53, 42231),

Gene: DirtDevil_63 Start: 42001, Stop: 41708, Start Num: 21

Candidate Starts for DirtDevil_63:

(9, 42028), (Start: 21 @42001 has 223 MA's), (36, 41926), (42, 41878), (48, 41836),

Gene: DontArgue_61 Start: 40445, Stop: 40131, Start Num: 11

Candidate Starts for DontArgue_61:

(Start: 11 @40445 has 107 MA's), (25, 40394), (33, 40370), (42, 40301), (50, 40244), (53, 40226), (54, 40217),

Gene: Doom_63 Start: 42899, Stop: 42606, Start Num: 21

Candidate Starts for Doom_63:

(Start: 21 @42899 has 223 MA's), (Start: 32 @42854 has 1 MA's), (36, 42824), (42, 42776), (48, 42734),

Gene: DrFeelGood_64 Start: 41833, Stop: 41540, Start Num: 21

Candidate Starts for DrFeelGood_64:

(9, 41860), (Start: 21 @41833 has 223 MA's), (Start: 32 @41788 has 1 MA's), (36, 41758), (42, 41710), (48, 41668),

Gene: Drake94_62 Start: 40387, Stop: 40079, Start Num: 11

Candidate Starts for Drake94_62:

(Start: 11 @40387 has 107 MA's), (25, 40345), (33, 40321), (42, 40249), (49, 40198), (53, 40174), (60, 40099),

Gene: DreamCatcher_68 Start: 42983, Stop: 42690, Start Num: 21

Candidate Starts for DreamCatcher_68:

(9, 43010), (Start: 21 @42983 has 223 MA's), (Start: 32 @42938 has 1 MA's), (36, 42908), (42, 42860), (48, 42818),

Gene: Dreamboat_68 Start: 42073, Stop: 41780, Start Num: 21

Candidate Starts for Dreamboat_68:

(9, 42100), (Start: 21 @42073 has 223 MA's), (Start: 32 @42028 has 1 MA's), (36, 41998), (42, 41950), (48, 41908),

Gene: DropBear_68 Start: 42103, Stop: 41738, Start Num: 11

Candidate Starts for DropBear_68:

(Start: 11 @42103 has 107 MA's), (18, 42082), (20, 42070), (Start: 28 @42046 has 14 MA's), (50, 41896), (53, 41878), (54, 41869), (55, 41857),

Gene: Dulcie_66 Start: 44308, Stop: 44015, Start Num: 21

Candidate Starts for Dulcie_66:

(Start: 21 @44308 has 223 MA's), (Start: 32 @44263 has 1 MA's), (36, 44233), (42, 44185), (48, 44143),

Gene: Dussy_67 Start: 43292, Stop: 42999, Start Num: 21

Candidate Starts for Dussy_67:

(Start: 21 @43292 has 223 MA's), (Start: 32 @43247 has 1 MA's), (36, 43217), (42, 43169), (48, 43127),

Gene: DustyMartin_66 Start: 41423, Stop: 41115, Start Num: 11

Candidate Starts for DustyMartin_66:

(Start: 11 @41423 has 107 MA's), (25, 41381), (33, 41357), (42, 41285), (50, 41228), (53, 41210), (60, 41135),

Gene: Dynamix_67 Start: 41907, Stop: 41614, Start Num: 21

Candidate Starts for Dynamix_67:

(9, 41934), (Start: 21 @41907 has 223 MA's), (Start: 32 @41862 has 1 MA's), (36, 41832), (42, 41784), (48, 41742),

Gene: Eaglepride_66 Start: 41419, Stop: 41111, Start Num: 11

Candidate Starts for Eaglepride_66:

(Start: 11 @41419 has 107 MA's), (19, 41401), (25, 41377), (33, 41353), (42, 41281), (50, 41224), (53, 41206), (54, 41197), (60, 41131),

Gene: Edison31_61 Start: 41187, Stop: 40879, Start Num: 11

Candidate Starts for Edison31_61:

(Start: 11 @41187 has 107 MA's), (25, 41145), (33, 41121), (49, 40998), (50, 40992), (53, 40974), (60, 40899),

Gene: Edtherson_64 Start: 42893, Stop: 42600, Start Num: 21

Candidate Starts for Edtherson_64:

(9, 42920), (Start: 21 @42893 has 223 MA's), (Start: 32 @42848 has 1 MA's), (36, 42818), (42, 42770), (48, 42728),

Gene: Elle_75 Start: 42755, Stop: 42471, Start Num: 27

Candidate Starts for Elle_75:

(6, 42842), (12, 42815), (Start: 27 @42755 has 25 MA's), (43, 42638), (47, 42608), (50, 42590), (51, 42584), (54, 42563), (61, 42482),

Gene: EnzoK_66 Start: 40168, Stop: 39875, Start Num: 21

Candidate Starts for EnzoK_66:

(Start: 21 @40168 has 223 MA's), (Start: 32 @40123 has 1 MA's), (36, 40093), (42, 40045), (48, 40003),

Gene: EpicPhail_73 Start: 42445, Stop: 42137, Start Num: 11

Candidate Starts for EpicPhail_73:

(Start: 11 @42445 has 107 MA's), (Start: 16 @42427 has 8 MA's), (20, 42412), (Start: 28 @42391 has 14 MA's), (35, 42358), (42, 42307), (43, 42298), (46, 42271), (48, 42265), (53, 42232),

Gene: Epsocamisio_76 Start: 42795, Stop: 42517, Start Num: 27

Candidate Starts for Epsocamisio_76:

(Start: 27 @42795 has 25 MA's), (40, 42717), (43, 42678), (48, 42645), (52, 42615), (53, 42612), (55, 42591), (57, 42558),

Gene: Espresso_63 Start: 42517, Stop: 42224, Start Num: 21

Candidate Starts for Espresso_63:

(Start: 21 @42517 has 223 MA's), (Start: 32 @42472 has 1 MA's), (36, 42442), (38, 42430), (42, 42394), (48, 42352),

Gene: Euphoria_65 Start: 42359, Stop: 42066, Start Num: 21

Candidate Starts for Euphoria_65:

(9, 42386), (Start: 21 @42359 has 223 MA's), (Start: 32 @42314 has 1 MA's), (36, 42284), (42, 42236), (48, 42194),

Gene: Eyeball_67 Start: 43398, Stop: 43105, Start Num: 21

Candidate Starts for Eyeball_67:

(8, 43434), (Start: 21 @43398 has 223 MA's), (Start: 32 @43353 has 1 MA's), (36, 43323), (42, 43275), (48, 43233),

Gene: Fajezeel_66 Start: 42114, Stop: 41821, Start Num: 21

Candidate Starts for Fajezeel_66:

(9, 42141), (Start: 21 @42114 has 223 MA's), (Start: 32 @42069 has 1 MA's), (36, 42039), (42, 41991), (48, 41949),

Gene: Farber_72 Start: 42431, Stop: 42123, Start Num: 11

Candidate Starts for Farber_72:

(Start: 11 @42431 has 107 MA's), (Start: 16 @42413 has 8 MA's), (20, 42398), (Start: 28 @42377 has 14 MA's), (35, 42344), (42, 42293), (43, 42284), (46, 42257), (48, 42251), (53, 42218),

Gene: Fascinus_61 Start: 42349, Stop: 42056, Start Num: 21

Candidate Starts for Fascinus_61:

(9, 42376), (Start: 21 @42349 has 223 MA's), (Start: 32 @42304 has 1 MA's), (36, 42274), (38, 42262), (42, 42226), (48, 42184),

Gene: Fenn_72 Start: 44750, Stop: 44457, Start Num: 21

Candidate Starts for Fenn_72:

(9, 44795), (13, 44777), (Start: 21 @44750 has 223 MA's), (Start: 32 @44705 has 1 MA's), (36, 44675), (42, 44627), (48, 44585),

Gene: Fernando_72 Start: 42441, Stop: 42133, Start Num: 11

Candidate Starts for Fernando_72:

(Start: 11 @42441 has 107 MA's), (Start: 16 @42423 has 8 MA's), (20, 42408), (Start: 28 @42387 has 14 MA's), (35, 42354), (42, 42303), (43, 42294), (46, 42267), (48, 42261), (53, 42228),

Gene: FlyCatcher_70 Start: 45930, Stop: 45607, Start Num: 22

Candidate Starts for FlyCatcher_70:

(Start: 11 @45966 has 107 MA's), (22, 45930), (42, 45825), (50, 45768), (53, 45750), (55, 45729),

Gene: Forsytheast_67 Start: 42412, Stop: 42119, Start Num: 21

Candidate Starts for Forsytheast_67:

(9, 42439), (Start: 21 @42412 has 223 MA's), (Start: 32 @42367 has 1 MA's), (36, 42337), (42, 42289), (48, 42247),

Gene: Francis47_65 Start: 43491, Stop: 43198, Start Num: 21

Candidate Starts for Francis47_65:

(Start: 21 @43491 has 223 MA's), (Start: 32 @43446 has 1 MA's), (36, 43416), (42, 43368), (48, 43326),

Gene: Fred313_65 Start: 41797, Stop: 41432, Start Num: 11

Candidate Starts for Fred313_65:

(Start: 11 @41797 has 107 MA's), (18, 41776), (20, 41764), (Start: 28 @41740 has 14 MA's), (50, 41590), (53, 41572), (54, 41563), (55, 41551),

Gene: Froghopper_63 Start: 41471, Stop: 41178, Start Num: 21

Candidate Starts for Froghopper_63:

(9, 41498), (Start: 21 @41471 has 223 MA's), (Start: 32 @41426 has 1 MA's), (36, 41396), (42, 41348), (48, 41306),

Gene: Fushigi_61 Start: 40434, Stop: 40141, Start Num: 21

Candidate Starts for Fushigi_61:

(9, 40461), (Start: 21 @40434 has 223 MA's), (Start: 32 @40389 has 1 MA's), (36, 40359), (42, 40311), (48, 40269),

Gene: GMonster_64 Start: 42254, Stop: 41961, Start Num: 21

Candidate Starts for GMonster_64:

(9, 42281), (Start: 21 @42254 has 223 MA's), (Start: 32 @42209 has 1 MA's), (36, 42179), (42, 42131),

Gene: Gachnar_66 Start: 42948, Stop: 42655, Start Num: 21

Candidate Starts for Gachnar_66:

(Start: 21 @42948 has 223 MA's), (Start: 32 @42903 has 1 MA's), (36, 42873), (42, 42825), (48, 42783),

Gene: GageAP_67 Start: 43435, Stop: 43142, Start Num: 21

Candidate Starts for GageAP_67:

(1, 43693), (3, 43657), (9, 43462), (Start: 21 @43435 has 223 MA's), (Start: 32 @43390 has 1 MA's), (36, 43360), (38, 43348), (42, 43312), (48, 43270),

Gene: Gandalf20_68 Start: 43802, Stop: 43509, Start Num: 21

Candidate Starts for Gandalf20_68:

(Start: 21 @43802 has 223 MA's), (Start: 32 @43757 has 1 MA's), (36, 43727), (38, 43715), (42, 43679), (48, 43637),

Gene: Gemma_69 Start: 42254, Stop: 41946, Start Num: 11

Candidate Starts for Gemma_69:

(Start: 11 @42254 has 107 MA's), (Start: 16 @42236 has 8 MA's), (20, 42221), (Start: 28 @42200 has 14 MA's), (35, 42167), (42, 42116), (43, 42107), (46, 42080), (48, 42074), (49, 42065), (53, 42041),

Gene: GingkoMaracino_72 Start: 42309, Stop: 42019, Start Num: 16

Candidate Starts for GingkoMaracino_72:

(Start: 11 @42327 has 107 MA's), (Start: 16 @42309 has 8 MA's), (20, 42294), (Start: 28 @42273 has 14 MA's), (35, 42240), (42, 42189), (43, 42180), (46, 42153), (48, 42147), (53, 42114),

Gene: Giroux_70 Start: 42203, Stop: 41835, Start Num: 11

Candidate Starts for Giroux_70:

(Start: 11 @42203 has 107 MA's), (18, 42182), (20, 42170), (Start: 28 @42146 has 14 MA's), (50, 41996), (53, 41978), (55, 41957),

Gene: Gompeii16_66 Start: 44565, Stop: 44272, Start Num: 21

Candidate Starts for Gompeii16_66:

(Start: 21 @44565 has 223 MA's), (Start: 32 @44520 has 1 MA's), (36, 44490), (42, 44442), (48, 44400),

Gene: Goose_65 Start: 41128, Stop: 40820, Start Num: 11

Candidate Starts for Goose_65:

(Start: 11 @41128 has 107 MA's), (25, 41086), (33, 41062), (49, 40939), (53, 40915), (60, 40840),

Gene: Goose1D_59 Start: 38284, Stop: 37919, Start Num: 11

Candidate Starts for Goose1D_59:

(Start: 11 @38284 has 107 MA's), (18, 38263), (20, 38251), (Start: 28 @38227 has 14 MA's), (50, 38077), (53, 38059), (54, 38050), (55, 38038),

Gene: Goose1X_65 Start: 41426, Stop: 41061, Start Num: 11

Candidate Starts for Goose1X_65:

(Start: 11 @41426 has 107 MA's), (18, 41405), (20, 41393), (Start: 28 @41369 has 14 MA's), (50, 41219), (53, 41201), (54, 41192), (55, 41180),

Gene: Graduation_71 Start: 44181, Stop: 43888, Start Num: 21

Candidate Starts for Graduation_71:

(9, 44208), (Start: 21 @44181 has 223 MA's), (Start: 32 @44136 has 1 MA's), (36, 44106), (38, 44094), (42, 44058), (48, 44016),

Gene: GrecoEtereo_65 Start: 41688, Stop: 41395, Start Num: 21

Candidate Starts for GrecoEtereo_65:

(9, 41715), (Start: 21 @41688 has 223 MA's), (Start: 32 @41643 has 1 MA's), (36, 41613), (42, 41565), (48, 41523),

Gene: Greg_66 Start: 42114, Stop: 41821, Start Num: 21

Candidate Starts for Greg_66:

(9, 42141), (Start: 21 @42114 has 223 MA's), (Start: 32 @42069 has 1 MA's), (36, 42039), (42, 41991), (48, 41949),

Gene: Grif_70 Start: 42462, Stop: 42208, Start Num: 28

Candidate Starts for Grif_70:

(Start: 16 @42498 has 8 MA's), (20, 42483), (Start: 28 @42462 has 14 MA's), (35, 42429), (42, 42378), (43, 42369), (46, 42342), (48, 42336), (53, 42303),

Gene: GroundGoblin_62 Start: 42143, Stop: 41850, Start Num: 21

Candidate Starts for GroundGoblin_62:

(9, 42170), (Start: 21 @42143 has 223 MA's), (36, 42068), (42, 42020), (48, 41978),

Gene: Groupthink_72 Start: 42258, Stop: 41950, Start Num: 11

Candidate Starts for Groupthink_72:

(Start: 11 @42258 has 107 MA's), (Start: 16 @42240 has 8 MA's), (20, 42225), (Start: 28 @42204 has 14 MA's), (35, 42171), (42, 42120), (43, 42111), (46, 42084), (48, 42078), (53, 42045),

Gene: Grub_70 Start: 42433, Stop: 42125, Start Num: 11

Candidate Starts for Grub_70:

(Start: 11 @42433 has 107 MA's), (Start: 16 @42415 has 8 MA's), (20, 42400), (Start: 28 @42379 has 14 MA's), (35, 42346), (42, 42295), (43, 42286), (46, 42259), (48, 42253), (53, 42220),

Gene: Grum1_71 Start: 42441, Stop: 42133, Start Num: 11

Candidate Starts for Grum1_71:

(Start: 11 @42441 has 107 MA's), (Start: 16 @42423 has 8 MA's), (20, 42408), (Start: 28 @42387 has 14 MA's), (35, 42354), (42, 42303), (43, 42294), (46, 42267), (48, 42261), (53, 42228),

Gene: GtownJaz_72 Start: 42389, Stop: 42135, Start Num: 28

Candidate Starts for GtownJaz_72:

(Start: 16 @42425 has 8 MA's), (20, 42410), (Start: 28 @42389 has 14 MA's), (35, 42356), (42, 42305), (43, 42296), (46, 42269), (48, 42263), (53, 42230),

Gene: Gwendoluna_70 Start: 44629, Stop: 44336, Start Num: 21

Candidate Starts for Gwendoluna_70:

(9, 44656), (Start: 21 @44629 has 223 MA's), (Start: 32 @44584 has 1 MA's), (36, 44554), (42, 44506), (48, 44464),

Gene: Gwennie_72 Start: 42445, Stop: 42137, Start Num: 11

Candidate Starts for Gwennie_72:

(Start: 11 @42445 has 107 MA's), (Start: 16 @42427 has 8 MA's), (20, 42412), (Start: 28 @42391 has 14 MA's), (35, 42358), (42, 42307), (43, 42298), (46, 42271), (48, 42265), (53, 42232),

Gene: Gyzlar_61 Start: 40384, Stop: 40091, Start Num: 21

Candidate Starts for Gyzlar_61:

(9, 40411), (Start: 21 @40384 has 223 MA's), (Start: 32 @40339 has 1 MA's), (42, 40261), (48, 40219),

Gene: Hami1_61 Start: 38461, Stop: 38168, Start Num: 21

Candidate Starts for Hami1_61:

(Start: 21 @38461 has 223 MA's), (Start: 32 @38416 has 1 MA's), (36, 38386), (42, 38338), (48, 38296),

Gene: HanShotFirst_67 Start: 44227, Stop: 43934, Start Num: 21

Candidate Starts for HanShotFirst_67:

(9, 44254), (Start: 21 @44227 has 223 MA's), (Start: 32 @44182 has 1 MA's), (36, 44152), (42, 44104), (48, 44062),

Gene: HarryOW_63 Start: 42195, Stop: 41902, Start Num: 21

Candidate Starts for HarryOW_63:

(9, 42222), (Start: 21 @42195 has 223 MA's), (36, 42120), (42, 42072), (48, 42030),

Gene: HashRod_73 Start: 42415, Stop: 42161, Start Num: 28

Candidate Starts for HashRod_73:

(Start: 11 @42469 has 107 MA's), (Start: 16 @42451 has 8 MA's), (20, 42436), (Start: 28 @42415 has 14 MA's), (35, 42382), (42, 42331), (43, 42322), (46, 42295), (48, 42289), (53, 42256),

Gene: HaveUMetTed_72 Start: 42243, Stop: 41935, Start Num: 11

Candidate Starts for HaveUMetTed_72:

(Start: 11 @42243 has 107 MA's), (Start: 16 @42225 has 8 MA's), (20, 42210), (Start: 28 @42189 has 14 MA's), (35, 42156), (42, 42105), (43, 42096), (46, 42069), (48, 42063), (49, 42054), (53, 42030),

Gene: Heathen_67 Start: 41892, Stop: 41527, Start Num: 11

Candidate Starts for Heathen_67:

(Start: 11 @41892 has 107 MA's), (18, 41871), (20, 41859), (Start: 28 @41835 has 14 MA's), (50, 41685), (53, 41667), (54, 41658), (55, 41646),

Gene: HelDan_67 Start: 42108, Stop: 41743, Start Num: 11

Candidate Starts for HelDan_67:

(Start: 11 @42108 has 107 MA's), (18, 42087), (20, 42075), (Start: 28 @42051 has 14 MA's), (50, 41901), (53, 41883), (54, 41874), (55, 41862),

Gene: Heliosoles_69 Start: 42261, Stop: 41953, Start Num: 11

Candidate Starts for Heliosoles_69:

(Start: 11 @42261 has 107 MA's), (Start: 16 @42243 has 8 MA's), (20, 42228), (Start: 28 @42207 has 14 MA's), (35, 42174), (42, 42123), (43, 42114), (46, 42087), (48, 42081), (53, 42048),

Gene: Hercules11_72 Start: 42450, Stop: 42142, Start Num: 11

Candidate Starts for Hercules11_72:

(Start: 11 @42450 has 107 MA's), (Start: 16 @42432 has 8 MA's), (20, 42417), (Start: 28 @42396 has 14 MA's), (35, 42363), (42, 42312), (43, 42303), (46, 42276), (48, 42270), (53, 42237),

Gene: Hermia_63 Start: 42193, Stop: 41900, Start Num: 21

Candidate Starts for Hermia_63:

(9, 42220), (Start: 21 @42193 has 223 MA's), (36, 42118), (42, 42070), (48, 42028),

Gene: HermioneGrange_68 Start: 43698, Stop: 43405, Start Num: 21

Candidate Starts for HermioneGrange_68:

(2, 43926), (9, 43725), (Start: 21 @43698 has 223 MA's), (Start: 32 @43653 has 1 MA's), (36, 43623), (42, 43575), (48, 43533),

Gene: Homines_57 Start: 38523, Stop: 38230, Start Num: 21

Candidate Starts for Homines_57:

(9, 38550), (Start: 21 @38523 has 223 MA's), (Start: 32 @38478 has 1 MA's), (36, 38448), (42, 38400), (48, 38358),

Gene: Hope4ever_67 Start: 42682, Stop: 42389, Start Num: 21

Candidate Starts for Hope4ever_67:

(9, 42709), (Start: 21 @42682 has 223 MA's), (Start: 32 @42637 has 1 MA's), (36, 42607), (42, 42559), (48, 42517),

Gene: lLeeKay_68 Start: 42579, Stop: 42286, Start Num: 21

Candidate Starts for lLeeKay_68:

(Start: 21 @42579 has 223 MA's), (Start: 32 @42534 has 1 MA's), (36, 42504), (42, 42456), (48, 42414),

Gene: Ichabod_70 Start: 43792, Stop: 43499, Start Num: 21

Candidate Starts for Ichabod_70:

(9, 43819), (Start: 21 @43792 has 223 MA's), (Start: 32 @43747 has 1 MA's), (36, 43717), (42, 43669), (48, 43627),

Gene: Idleandcovert_68 Start: 42204, Stop: 41836, Start Num: 11

Candidate Starts for Idleandcovert_68:

(Start: 11 @42204 has 107 MA's), (18, 42183), (20, 42171), (Start: 28 @42147 has 14 MA's), (50, 41997), (53, 41979), (55, 41958),

Gene: IgnatiusPatJac_66 Start: 42364, Stop: 42071, Start Num: 21

Candidate Starts for IgnatiusPatJac_66:

(9, 42391), (Start: 21 @42364 has 223 MA's), (Start: 32 @42319 has 1 MA's), (36, 42289), (42, 42241), (48, 42199),

Gene: Inyanga_61 Start: 42487, Stop: 42194, Start Num: 21

Candidate Starts for Inyanga_61:

(9, 42514), (Start: 21 @42487 has 223 MA's), (Start: 32 @42442 has 1 MA's), (36, 42412), (42, 42364), (48, 42322),

Gene: Iqorha_61 Start: 42486, Stop: 42193, Start Num: 21

Candidate Starts for Iqorha_61:

(9, 42513), (Start: 21 @42486 has 223 MA's), (Start: 32 @42441 has 1 MA's), (36, 42411), (42, 42363), (48, 42321),

Gene: Isca_65 Start: 41657, Stop: 41289, Start Num: 11

Candidate Starts for Isca_65:

(Start: 11 @41657 has 107 MA's), (20, 41624), (Start: 28 @41600 has 14 MA's), (50, 41450), (53, 41432), (54, 41423), (55, 41411),

Gene: JC27_70 Start: 43426, Stop: 43133, Start Num: 21

Candidate Starts for JC27_70:

(9, 43453), (Start: 21 @43426 has 223 MA's), (Start: 32 @43381 has 1 MA's), (36, 43351), (42, 43303), (48, 43261),

Gene: JF2_65 Start: 40352, Stop: 39984, Start Num: 11

Candidate Starts for JF2_65:

(Start: 11 @40352 has 107 MA's), (20, 40319), (Start: 28 @40295 has 14 MA's), (50, 40145), (53, 40127), (54, 40118), (55, 40106),

Gene: JF4_65 Start: 40352, Stop: 39984, Start Num: 11

Candidate Starts for JF4_65:

(Start: 11 @40352 has 107 MA's), (20, 40319), (Start: 28 @40295 has 14 MA's), (50, 40145), (53, 40127), (54, 40118), (55, 40106),

Gene: JHC117_68 Start: 42422, Stop: 42132, Start Num: 16

Candidate Starts for JHC117_68:

(Start: 16 @42422 has 8 MA's), (20, 42407), (Start: 28 @42386 has 14 MA's), (35, 42353), (42, 42302), (43, 42293), (46, 42266), (48, 42260), (53, 42227),

Gene: JSwag_79 Start: 43080, Stop: 42802, Start Num: 27

Candidate Starts for JSwag_79:

(Start: 27 @43080 has 25 MA's), (40, 43002), (43, 42963), (48, 42930), (52, 42900), (53, 42897), (55, 42876), (57, 42843),

Gene: JackSparrow_69 Start: 42909, Stop: 42616, Start Num: 21

Candidate Starts for JackSparrow_69:

(9, 42936), (Start: 21 @42909 has 223 MA's), (Start: 32 @42864 has 1 MA's), (36, 42834), (42, 42786), (48, 42744),

Gene: Jasper_67 Start: 41959, Stop: 41666, Start Num: 21

Candidate Starts for Jasper_67:

(9, 41986), (Start: 21 @41959 has 223 MA's), (Start: 32 @41914 has 1 MA's), (36, 41884), (42, 41836), (48, 41794),

Gene: JenCasNa_73 Start: 42441, Stop: 42133, Start Num: 11

Candidate Starts for JenCasNa_73:

(Start: 11 @42441 has 107 MA's), (Start: 16 @42423 has 8 MA's), (20, 42408), (Start: 28 @42387 has 14 MA's), (35, 42354), (42, 42303), (43, 42294), (46, 42267), (48, 42261), (53, 42228),

Gene: JeppNRM_72 Start: 42259, Stop: 41951, Start Num: 11

Candidate Starts for JeppNRM_72:

(Start: 11 @42259 has 107 MA's), (Start: 16 @42241 has 8 MA's), (20, 42226), (Start: 28 @42205 has 14 MA's), (35, 42172), (42, 42121), (43, 42112), (46, 42085), (48, 42079), (49, 42070), (53, 42046),

Gene: Jerm2_67 Start: 43768, Stop: 43475, Start Num: 21

Candidate Starts for Jerm2_67:

(9, 43795), (Start: 21 @43768 has 223 MA's), (Start: 32 @43723 has 1 MA's), (36, 43693), (42, 43645), (48, 43603),

Gene: Jobu08_68 Start: 42273, Stop: 41965, Start Num: 11

Candidate Starts for Jobu08_68:

(Start: 11 @42273 has 107 MA's), (Start: 16 @42255 has 8 MA's), (20, 42240), (Start: 28 @42219 has 14 MA's), (35, 42186), (42, 42135), (43, 42126), (46, 42099), (48, 42093), (49, 42084), (53, 42060),

Gene: Jorgensen_71 Start: 43337, Stop: 43044, Start Num: 21

Candidate Starts for Jorgensen_71:

(9, 43364), (Start: 21 @43337 has 223 MA's), (Start: 32 @43292 has 1 MA's), (36, 43262), (38, 43250), (42, 43214), (48, 43172),

Gene: JuliaChild_67 Start: 43013, Stop: 42720, Start Num: 21

Candidate Starts for JuliaChild_67:

(9, 43040), (Start: 21 @43013 has 223 MA's), (Start: 32 @42968 has 1 MA's), (36, 42938), (42, 42890), (48, 42848),

Gene: KADY_69 Start: 42469, Stop: 42161, Start Num: 11

Candidate Starts for KADY_69:

(4, 42676), (Start: 11 @42469 has 107 MA's), (14, 42457), (Start: 16 @42451 has 8 MA's), (20, 42436), (Start: 28 @42415 has 14 MA's), (35, 42382), (42, 42331), (43, 42322), (46, 42295), (48, 42289), (53, 42256),

Gene: KBG_67 Start: 44545, Stop: 44252, Start Num: 21

Candidate Starts for KBG_67:

(Start: 21 @44545 has 223 MA's), (Start: 32 @44500 has 1 MA's), (36, 44470), (42, 44422), (48, 44380),

Gene: KSSJEB_65 Start: 41821, Stop: 41528, Start Num: 21

Candidate Starts for KSSJEB_65:

(Start: 21 @41821 has 223 MA's), (Start: 32 @41776 has 1 MA's), (36, 41746), (42, 41698), (48, 41656),

Gene: Kachowdy_68 Start: 42144, Stop: 41779, Start Num: 11

Candidate Starts for Kachowdy_68:

(Start: 11 @42144 has 107 MA's), (18, 42123), (20, 42111), (Start: 28 @42087 has 14 MA's), (50, 41937), (53, 41919), (54, 41910), (55, 41898),

Gene: Kalb97_72 Start: 42257, Stop: 41949, Start Num: 11

Candidate Starts for Kalb97_72:

(Start: 11 @42257 has 107 MA's), (Start: 16 @42239 has 8 MA's), (20, 42224), (Start: 28 @42203 has 14 MA's), (35, 42170), (42, 42119), (43, 42110), (46, 42083), (48, 42077), (49, 42068), (53, 42044),

Gene: Kalnoky_72 Start: 42255, Stop: 41947, Start Num: 11

Candidate Starts for Kalnoky_72:

(Start: 11 @42255 has 107 MA's), (Start: 16 @42237 has 8 MA's), (20, 42222), (Start: 28 @42201 has 14 MA's), (35, 42168), (42, 42117), (43, 42108), (46, 42081), (48, 42075), (53, 42042),

Gene: Kanely_67 Start: 42580, Stop: 42287, Start Num: 21

Candidate Starts for Kanely_67:

(9, 42607), (Start: 21 @42580 has 223 MA's), (Start: 32 @42535 has 1 MA's), (36, 42505), (38, 42493), (42, 42457), (48, 42415),

Gene: KatherineG_80 Start: 43544, Stop: 43266, Start Num: 27

Candidate Starts for KatherineG_80:

(7, 43604), (Start: 27 @43544 has 25 MA's), (40, 43466), (43, 43427), (48, 43394), (52, 43364), (53, 43361), (55, 43340), (57, 43307),

Gene: Kenmech_70 Start: 44418, Stop: 44125, Start Num: 21

Candidate Starts for Kenmech_70:

(Start: 21 @44418 has 223 MA's), (Start: 32 @44373 has 1 MA's), (36, 44343), (42, 44295), (48, 44253),

Gene: KikiBouba_64 Start: 42002, Stop: 41709, Start Num: 21

Candidate Starts for KikiBouba_64:

(9, 42029), (Start: 21 @42002 has 223 MA's), (36, 41927), (42, 41879), (48, 41837),

Gene: Killigrew_64 Start: 42625, Stop: 42332, Start Num: 21

Candidate Starts for Killigrew_64:

(9, 42652), (Start: 21 @42625 has 223 MA's), (Start: 32 @42580 has 1 MA's), (36, 42550), (42, 42502), (48, 42460),

Gene: Kimona_64 Start: 41048, Stop: 40713, Start Num: 11

Candidate Starts for Kimona_64:

(Start: 11 @41048 has 107 MA's), (24, 40988), (42, 40883), (50, 40826), (53, 40808),

Gene: KittenMittens_61 Start: 40395, Stop: 40087, Start Num: 11

Candidate Starts for KittenMittens_61:

(Start: 11 @40395 has 107 MA's), (25, 40353), (33, 40329), (42, 40257), (49, 40206), (53, 40182), (60, 40107),

Gene: Kristoff_63 Start: 41709, Stop: 41401, Start Num: 11

Candidate Starts for Kristoff_63:

(Start: 11 @41709 has 107 MA's), (19, 41691), (25, 41667), (33, 41643), (49, 41520), (53, 41496), (60, 41421),

Gene: Kugel_70 Start: 44438, Stop: 44145, Start Num: 21

Candidate Starts for Kugel_70:

(9, 44465), (Start: 21 @44438 has 223 MA's), (Start: 32 @44393 has 1 MA's), (36, 44363), (42, 44315), (48, 44273),

Gene: KyMonks1A_70 Start: 42786, Stop: 42493, Start Num: 21

Candidate Starts for KyMonks1A_70:

(9, 42813), (Start: 21 @42786 has 223 MA's), (Start: 32 @42741 has 1 MA's), (42, 42663), (48, 42621),

Gene: Kykar_67 Start: 43161, Stop: 42868, Start Num: 21

Candidate Starts for Kykar_67:

(1, 43419), (3, 43383), (9, 43188), (Start: 21 @43161 has 223 MA's), (Start: 32 @43116 has 1 MA's), (36, 43086), (42, 43038), (48, 42996),

Gene: LBerry_73 Start: 42445, Stop: 42137, Start Num: 11

Candidate Starts for LBerry_73:

(Start: 11 @42445 has 107 MA's), (Start: 16 @42427 has 8 MA's), (20, 42412), (Start: 28 @42391 has 14 MA's), (35, 42358), (42, 42307), (43, 42298), (46, 42271), (48, 42265), (53, 42232),

Gene: Lambert1_67 Start: 42160, Stop: 41789, Start Num: 11

Candidate Starts for Lambert1_67:

(Start: 11 @42160 has 107 MA's), (20, 42127), (Start: 28 @42103 has 14 MA's), (42, 42007), (50, 41950), (53, 41932), (55, 41911),

Gene: Lamina13_69 Start: 43778, Stop: 43485, Start Num: 21

Candidate Starts for Lamina13_69:

(Start: 21 @43778 has 223 MA's), (Start: 32 @43733 has 1 MA's), (36, 43703), (42, 43655), (48, 43613),

Gene: LarryKay_72 Start: 42417, Stop: 42163, Start Num: 28

Candidate Starts for LarryKay_72:

(Start: 16 @42453 has 8 MA's), (20, 42438), (Start: 28 @42417 has 14 MA's), (35, 42384), (42, 42333), (43, 42324), (46, 42297), (48, 42291), (53, 42258),

Gene: LastResort_78 Start: 43475, Stop: 43197, Start Num: 27

Candidate Starts for LastResort_78:

(7, 43535), (Start: 27 @43475 has 25 MA's), (40, 43397), (43, 43358), (48, 43325), (52, 43295), (53, 43292), (55, 43271), (57, 43238),

Gene: Lesedi_62 Start: 40853, Stop: 40560, Start Num: 21

Candidate Starts for Lesedi_62:

(Start: 21 @40853 has 223 MA's), (Start: 32 @40808 has 1 MA's), (36, 40778), (42, 40730), (48, 40688),

Gene: Levia_63 Start: 41770, Stop: 41477, Start Num: 21

Candidate Starts for Levia_63:

(Start: 21 @41770 has 223 MA's), (Start: 32 @41725 has 1 MA's), (36, 41695), (42, 41647), (48, 41605),

Gene: Licorice_66 Start: 43887, Stop: 43594, Start Num: 21

Candidate Starts for Licorice_66:

(9, 43914), (Start: 21 @43887 has 223 MA's), (Start: 32 @43842 has 1 MA's), (36, 43812), (42, 43764), (48, 43722),

Gene: LilBib_65 Start: 43871, Stop: 43578, Start Num: 21

Candidate Starts for LilBib_65:

(Start: 21 @43871 has 223 MA's), (Start: 32 @43826 has 1 MA's), (36, 43796), (42, 43748), (48, 43706),

Gene: Lilith_70 Start: 42434, Stop: 42126, Start Num: 11

Candidate Starts for Lilith_70:

(Start: 11 @42434 has 107 MA's), (Start: 16 @42416 has 8 MA's), (20, 42401), (Start: 28 @42380 has 14 MA's), (35, 42347), (42, 42296), (43, 42287), (46, 42260), (48, 42254), (53, 42221),

Gene: Lockley_65 Start: 42740, Stop: 42447, Start Num: 21

Candidate Starts for Lockley_65:

(9, 42767), (Start: 21 @42740 has 223 MA's), (Start: 32 @42695 has 1 MA's), (36, 42665), (42, 42617), (48, 42575),

Gene: Looper_79 Start: 43387, Stop: 43109, Start Num: 27

Candidate Starts for Looper_79:

(7, 43447), (Start: 27 @43387 has 25 MA's), (40, 43309), (43, 43270), (48, 43237), (52, 43207), (53, 43204), (55, 43183), (57, 43150),

Gene: Lopton_66 Start: 44440, Stop: 44147, Start Num: 21

Candidate Starts for Lopton_66:

(9, 44467), (Start: 21 @44440 has 223 MA's), (Start: 32 @44395 has 1 MA's), (36, 44365), (42, 44317), (48, 44275),

Gene: Louie6_71 Start: 42471, Stop: 42163, Start Num: 11

Candidate Starts for Louie6_71:

(4, 42678), (Start: 11 @42471 has 107 MA's), (14, 42459), (Start: 16 @42453 has 8 MA's), (20, 42438), (Start: 28 @42417 has 14 MA's), (35, 42384), (42, 42333), (43, 42324), (46, 42297), (48, 42291), (53, 42258),

Gene: Lowa_69 Start: 42379, Stop: 42125, Start Num: 28

Candidate Starts for Lowa_69:

(Start: 11 @42433 has 107 MA's), (Start: 16 @42415 has 8 MA's), (20, 42400), (Start: 28 @42379 has 14 MA's), (35, 42346), (42, 42295), (43, 42286), (46, 42259), (48, 42253), (53, 42220),

Gene: LugYA_75 Start: 42442, Stop: 42134, Start Num: 11

Candidate Starts for LugYA_75:

(Start: 11 @42442 has 107 MA's), (Start: 16 @42424 has 8 MA's), (20, 42409), (Start: 28 @42388 has 14 MA's), (35, 42355), (42, 42304), (43, 42295), (46, 42268), (48, 42262), (53, 42229),

Gene: LunarLander_65 Start: 43066, Stop: 42773, Start Num: 21

Candidate Starts for LunarLander_65:

(9, 43093), (Start: 21 @43066 has 223 MA's), (Start: 32 @43021 has 1 MA's), (36, 42991), (42, 42943), (48, 42901),

Gene: MA5_67 Start: 41561, Stop: 41193, Start Num: 11

Candidate Starts for MA5_67:

(Start: 11 @41561 has 107 MA's), (20, 41528), (Start: 28 @41504 has 14 MA's), (50, 41354), (53, 41336), (54, 41327), (55, 41315),

Gene: MK4_67 Start: 41636, Stop: 41268, Start Num: 11

Candidate Starts for MK4_67:

(Start: 11 @41636 has 107 MA's), (20, 41603), (Start: 28 @41579 has 14 MA's), (50, 41429), (53, 41411), (54, 41402), (55, 41390),

Gene: MPlant7149_66 Start: 41586, Stop: 41293, Start Num: 21

Candidate Starts for MPlant7149_66:

(2, 41814), (9, 41613), (Start: 21 @41586 has 223 MA's), (Start: 32 @41541 has 1 MA's), (36, 41511), (42, 41463), (48, 41421),

Gene: MadMarie_70 Start: 42425, Stop: 42135, Start Num: 16

Candidate Starts for MadMarie_70:

(Start: 16 @42425 has 8 MA's), (20, 42410), (Start: 28 @42389 has 14 MA's), (35, 42356), (42, 42305), (43, 42296), (46, 42269), (48, 42263), (53, 42230),

Gene: Magnar_65 Start: 42659, Stop: 42366, Start Num: 21

Candidate Starts for Magnar_65:

(9, 42686), (Start: 21 @42659 has 223 MA's), (Start: 32 @42614 has 1 MA's), (36, 42584), (42, 42536), (48, 42494),

Gene: Magnito_67 Start: 42855, Stop: 42562, Start Num: 21

Candidate Starts for Magnito_67:

(9, 42882), (Start: 21 @42855 has 223 MA's), (Start: 32 @42810 has 1 MA's), (36, 42780), (42, 42732), (48, 42690),

Gene: Mainiac_71 Start: 42417, Stop: 42127, Start Num: 16

Candidate Starts for Mainiac_71:

(Start: 16 @42417 has 8 MA's), (20, 42402), (Start: 28 @42381 has 14 MA's), (35, 42348), (42, 42297), (43, 42288), (46, 42261), (48, 42255), (53, 42222),

Gene: Makemake_72 Start: 44876, Stop: 44583, Start Num: 21

Candidate Starts for Makemake_72:

(Start: 21 @44876 has 223 MA's), (Start: 32 @44831 has 1 MA's), (36, 44801), (42, 44753), (48, 44711),

Gene: Malinsilva_74 Start: 42433, Stop: 42125, Start Num: 11

Candidate Starts for Malinsilva_74:

(Start: 11 @42433 has 107 MA's), (Start: 16 @42415 has 8 MA's), (20, 42400), (Start: 28 @42379 has 14 MA's), (35, 42346), (42, 42295), (43, 42286), (46, 42259), (48, 42253), (53, 42220),

Gene: Manatee_66 Start: 42327, Stop: 42034, Start Num: 21

Candidate Starts for Manatee_66:

(Start: 21 @42327 has 223 MA's), (Start: 32 @42282 has 1 MA's), (36, 42252), (42, 42204), (48, 42162),

Gene: Manu_71 Start: 42258, Stop: 41950, Start Num: 11

Candidate Starts for Manu_71:

(Start: 11 @42258 has 107 MA's), (Start: 16 @42240 has 8 MA's), (20, 42225), (Start: 28 @42204 has 14 MA's), (35, 42171), (42, 42120), (43, 42111), (46, 42084), (48, 42078), (49, 42069), (53, 42045),

Gene: MarQuardt_72 Start: 42443, Stop: 42135, Start Num: 11

Candidate Starts for MarQuardt_72:

(Start: 11 @42443 has 107 MA's), (Start: 16 @42425 has 8 MA's), (20, 42410), (Start: 28 @42389 has 14 MA's), (35, 42356), (42, 42305), (43, 42296), (46, 42269), (48, 42263), (53, 42230),

Gene: Marcell_62 Start: 41366, Stop: 41073, Start Num: 21

Candidate Starts for Marcell_62:

(9, 41393), (Start: 21 @41366 has 223 MA's), (Start: 32 @41321 has 1 MA's), (36, 41291), (42, 41243), (48, 41201),

Gene: Marchesa_65 Start: 42037, Stop: 41729, Start Num: 28

Candidate Starts for Marchesa_65:

(Start: 11 @42094 has 107 MA's), (18, 42073), (20, 42061), (Start: 28 @42037 has 14 MA's), (50, 41887), (53, 41869), (54, 41860), (55, 41848),

Gene: Marchy_59 Start: 39104, Stop: 38811, Start Num: 21

Candidate Starts for Marchy_59:

(Start: 21 @39104 has 223 MA's), (Start: 32 @39059 has 1 MA's), (36, 39029), (42, 38981), (48, 38939),

Gene: Marco3_72 Start: 45164, Stop: 44871, Start Num: 21

Candidate Starts for Marco3_72:

(Start: 21 @45164 has 223 MA's), (Start: 32 @45119 has 1 MA's), (36, 45089), (42, 45041), (48, 44999),

Gene: Marge_62 Start: 41896, Stop: 41603, Start Num: 21

Candidate Starts for Marge_62:

(9, 41923), (Start: 21 @41896 has 223 MA's), (Start: 32 @41851 has 1 MA's), (36, 41821), (42, 41773), (48, 41731),

Gene: Marie_70 Start: 42441, Stop: 42133, Start Num: 11

Candidate Starts for Marie_70:

(Start: 11 @42441 has 107 MA's), (Start: 16 @42423 has 8 MA's), (20, 42408), (Start: 28 @42387 has 14 MA's), (35, 42354), (42, 42303), (43, 42294), (46, 42267), (48, 42261), (53, 42228),

Gene: Marius_72 Start: 42255, Stop: 41947, Start Num: 11

Candidate Starts for Marius_72:

(Start: 11 @42255 has 107 MA's), (Start: 16 @42237 has 8 MA's), (20, 42222), (Start: 28 @42201 has 14 MA's), (35, 42168), (42, 42117), (43, 42108), (46, 42081), (48, 42075), (53, 42042),

Gene: Maroc7_65 Start: 43339, Stop: 43046, Start Num: 21

Candidate Starts for Maroc7_65:

(9, 43366), (Start: 21 @43339 has 223 MA's), (Start: 32 @43294 has 1 MA's), (36, 43264), (38, 43252), (42, 43216), (48, 43174),

Gene: Marsha_66 Start: 43889, Stop: 43596, Start Num: 21

Candidate Starts for Marsha_66:

(Start: 21 @43889 has 223 MA's), (Start: 32 @43844 has 1 MA's), (36, 43814), (42, 43766), (48, 43724),

Gene: MaryBeth_63 Start: 42720, Stop: 42427, Start Num: 21

Candidate Starts for MaryBeth_63:

(9, 42747), (Start: 21 @42720 has 223 MA's), (Start: 32 @42675 has 1 MA's), (36, 42645), (42, 42597), (48, 42555),

Gene: McGuire_66 Start: 41690, Stop: 41397, Start Num: 21

Candidate Starts for McGuire_66:

(9, 41717), (Start: 21 @41690 has 223 MA's), (Start: 32 @41645 has 1 MA's), (36, 41615), (42, 41567), (48, 41525),

Gene: McSinger_63 Start: 41639, Stop: 41346, Start Num: 21

Candidate Starts for McSinger_63:

(9, 41666), (Start: 21 @41639 has 223 MA's), (Start: 32 @41594 has 1 MA's), (36, 41564), (42, 41516), (48, 41474),

Gene: MetalQZJ_62 Start: 42720, Stop: 42427, Start Num: 21

Candidate Starts for MetalQZJ_62:

(9, 42747), (Start: 21 @42720 has 223 MA's), (Start: 32 @42675 has 1 MA's), (36, 42645), (42, 42597), (48, 42555),

Gene: Methuselah_65 Start: 42465, Stop: 42157, Start Num: 11

Candidate Starts for Methuselah_65:

(Start: 11 @42465 has 107 MA's), (Start: 16 @42447 has 8 MA's), (20, 42432), (Start: 28 @42411 has 14 MA's), (35, 42378), (42, 42327), (43, 42318), (46, 42291), (48, 42285), (53, 42252),

Gene: Michley_70 Start: 43281, Stop: 42988, Start Num: 21

Candidate Starts for Michley_70:

(Start: 21 @43281 has 223 MA's), (Start: 32 @43236 has 1 MA's), (36, 43206), (38, 43194), (42, 43158), (48, 43116),

Gene: Microwolf_68 Start: 42457, Stop: 42149, Start Num: 11

Candidate Starts for Microwolf_68:

(Start: 11 @42457 has 107 MA's), (Start: 16 @42439 has 8 MA's), (20, 42424), (Start: 28 @42403 has 14 MA's), (35, 42370), (42, 42319), (43, 42310), (46, 42283), (48, 42277), (53, 42244),

Gene: MilleFeuille_68 Start: 42452, Stop: 42159, Start Num: 21

Candidate Starts for MilleFeuille_68:

(9, 42479), (Start: 21 @42452 has 223 MA's), (Start: 32 @42407 has 1 MA's), (36, 42377), (42, 42329), (48, 42287),

Gene: MinecraftSteve_80 Start: 43368, Stop: 43090, Start Num: 27

Candidate Starts for MinecraftSteve_80:

(7, 43428), (Start: 27 @43368 has 25 MA's), (40, 43290), (43, 43251), (48, 43218), (52, 43188), (53, 43185), (55, 43164), (57, 43131),

Gene: Misomonster_73 Start: 42468, Stop: 42160, Start Num: 11

Candidate Starts for Misomonster_73:

(4, 42675), (Start: 11 @42468 has 107 MA's), (14, 42456), (Start: 16 @42450 has 8 MA's), (20, 42435), (Start: 28 @42414 has 14 MA's), (35, 42381), (42, 42330), (43, 42321), (46, 42294), (48, 42288), (53, 42255),

Gene: Mkhuseleli_61 Start: 40758, Stop: 40465, Start Num: 21

Candidate Starts for Mkhuseleli_61:

(9, 40785), (Start: 21 @40758 has 223 MA's), (Start: 32 @40713 has 1 MA's), (36, 40683), (42, 40635), (48, 40593),

Gene: Molly_67 Start: 42963, Stop: 42670, Start Num: 21

Candidate Starts for Molly_67:

(9, 42990), (Start: 21 @42963 has 223 MA's), (Start: 32 @42918 has 1 MA's), (36, 42888), (42, 42840), (48, 42798),

Gene: Monet_68 Start: 44284, Stop: 43991, Start Num: 21

Candidate Starts for Monet_68:

(9, 44311), (Start: 21 @44284 has 223 MA's), (Start: 32 @44239 has 1 MA's), (36, 44209), (42, 44161), (48, 44119),

Gene: MoneyMay_71 Start: 42441, Stop: 42133, Start Num: 11

Candidate Starts for MoneyMay_71:

(Start: 11 @42441 has 107 MA's), (Start: 16 @42423 has 8 MA's), (20, 42408), (Start: 28 @42387 has 14 MA's), (35, 42354), (42, 42303), (43, 42294), (46, 42267), (48, 42261), (53, 42228),

Gene: Montavir_67 Start: 42388, Stop: 42134, Start Num: 28

Candidate Starts for Montavir_67:

(Start: 16 @42424 has 8 MA's), (20, 42409), (Start: 28 @42388 has 14 MA's), (35, 42355), (42, 42304), (43, 42295), (46, 42268), (48, 42262), (53, 42229),

Gene: Moose_67 Start: 42412, Stop: 42119, Start Num: 21

Candidate Starts for Moose_67:

(9, 42439), (Start: 21 @42412 has 223 MA's), (Start: 32 @42367 has 1 MA's), (36, 42337), (42, 42289), (48, 42247),

Gene: MrGordo_69 Start: 43202, Stop: 42909, Start Num: 21

Candidate Starts for MrGordo_69:

(Start: 21 @43202 has 223 MA's), (Start: 32 @43157 has 1 MA's), (36, 43127), (42, 43079),

Gene: Mryolo_64 Start: 42236, Stop: 41943, Start Num: 21

Candidate Starts for Mryolo_64:

(9, 42263), (Start: 21 @42236 has 223 MA's), (Start: 32 @42191 has 1 MA's), (36, 42161), (42, 42113), (48, 42071),

Gene: MuchMore_75 Start: 42433, Stop: 42125, Start Num: 11

Candidate Starts for MuchMore_75:

(Start: 11 @42433 has 107 MA's), (Start: 16 @42415 has 8 MA's), (20, 42400), (Start: 28 @42379 has 14 MA's), (35, 42346), (42, 42295), (43, 42286), (46, 42259), (48, 42253), (53, 42220),

Gene: Mule_63 Start: 41944, Stop: 41651, Start Num: 21

Candidate Starts for Mule_63:

(Start: 21 @41944 has 223 MA's), (Start: 32 @41899 has 1 MA's), (36, 41869), (42, 41821), (48, 41779),

Gene: Museum_68 Start: 44182, Stop: 43889, Start Num: 21

Candidate Starts for Museum_68:

(9, 44209), (Start: 21 @44182 has 223 MA's), (Start: 32 @44137 has 1 MA's), (36, 44107), (42, 44059), (48, 44017),

Gene: NEHalo_63 Start: 42836, Stop: 42543, Start Num: 21

Candidate Starts for NEHalo_63:

(9, 42863), (Start: 21 @42836 has 223 MA's), (Start: 32 @42791 has 1 MA's), (36, 42761), (42, 42713), (48, 42671),

Gene: Naira_71 Start: 44806, Stop: 44513, Start Num: 21

Candidate Starts for Naira_71:

(9, 44851), (13, 44833), (Start: 21 @44806 has 223 MA's), (Start: 32 @44761 has 1 MA's), (36, 44731), (42, 44683), (48, 44641),

Gene: Nebulosus_77 Start: 43032, Stop: 42754, Start Num: 27

Candidate Starts for Nebulosus_77:

(7, 43092), (Start: 27 @43032 has 25 MA's), (40, 42954), (43, 42915), (48, 42882), (52, 42852), (53, 42849), (55, 42828), (57, 42795),

Gene: Nedarya_76 Start: 43628, Stop: 43350, Start Num: 27

Candidate Starts for Nedarya_76:

(Start: 27 @43628 has 25 MA's), (40, 43550), (43, 43511), (48, 43478), (55, 43424), (57, 43391),

Gene: Nerujay_71 Start: 44385, Stop: 44092, Start Num: 21

Candidate Starts for Nerujay_71:

(9, 44412), (Start: 21 @44385 has 223 MA's), (Start: 32 @44340 has 1 MA's), (36, 44310), (42, 44262), (48, 44220),

Gene: Nhonho_65 Start: 43327, Stop: 43034, Start Num: 21

Candidate Starts for Nhonho_65:

(9, 43354), (Start: 21 @43327 has 223 MA's), (Start: 32 @43282 has 1 MA's), (36, 43252), (38, 43240), (42, 43204), (48, 43162),

Gene: Niza_68 Start: 44472, Stop: 44179, Start Num: 21

Candidate Starts for Niza_68:

(Start: 21 @44472 has 223 MA's), (Start: 32 @44427 has 1 MA's), (36, 44397), (38, 44385), (42, 44349), (48, 44307),

Gene: Noella_67 Start: 42161, Stop: 41790, Start Num: 11

Candidate Starts for Noella_67:

(Start: 11 @42161 has 107 MA's), (20, 42128), (Start: 28 @42104 has 14 MA's), (42, 42008), (50, 41951), (53, 41933), (55, 41912),

Gene: Norz_65 Start: 44712, Stop: 44419, Start Num: 21

Candidate Starts for Norz_65:

(9, 44739), (Start: 21 @44712 has 223 MA's), (Start: 32 @44667 has 1 MA's), (36, 44637), (42, 44589), (48, 44547),

Gene: Noxious_64 Start: 42193, Stop: 41900, Start Num: 21

Candidate Starts for Noxious_64:

(9, 42220), (Start: 21 @42193 has 223 MA's), (36, 42118), (42, 42070), (48, 42028),

Gene: OKCentral2016_63 Start: 40871, Stop: 40563, Start Num: 11

Candidate Starts for OKCentral2016_63:

(Start: 11 @40871 has 107 MA's), (25, 40829), (33, 40805), (49, 40682), (53, 40658), (60, 40583),

Gene: Ohno789_67 Start: 43300, Stop: 43007, Start Num: 21

Candidate Starts for Ohno789_67:

(9, 43327), (Start: 21 @43300 has 223 MA's), (Start: 32 @43255 has 1 MA's), (36, 43225), (38, 43213), (42, 43177), (48, 43135),

Gene: OlanP_70 Start: 42431, Stop: 42123, Start Num: 11

Candidate Starts for OlanP_70:

(Start: 11 @42431 has 107 MA's), (Start: 16 @42413 has 8 MA's), (20, 42398), (Start: 28 @42377 has 14 MA's), (35, 42344), (42, 42293), (43, 42284), (46, 42257), (48, 42251), (49, 42242), (53, 42218),

Gene: Ollie_72 Start: 42312, Stop: 42004, Start Num: 11

Candidate Starts for Ollie_72:

(Start: 11 @42312 has 107 MA's), (Start: 16 @42294 has 8 MA's), (20, 42279), (Start: 28 @42258 has 14 MA's), (35, 42225), (42, 42174), (43, 42165), (46, 42138), (48, 42132), (53, 42099),

Gene: Oofda_80 Start: 43721, Stop: 43443, Start Num: 27

Candidate Starts for Oofda_80:

(6, 43796), (Start: 27 @43721 has 25 MA's), (40, 43643), (43, 43604), (48, 43571), (52, 43541), (53, 43538), (55, 43517), (57, 43484),

Gene: Oogway_64 Start: 43355, Stop: 43062, Start Num: 21

Candidate Starts for Oogway_64:

(9, 43382), (Start: 21 @43355 has 223 MA's), (Start: 32 @43310 has 1 MA's), (36, 43280), (42, 43232), (48, 43190),

Gene: P28Green_72 Start: 42444, Stop: 42136, Start Num: 11

Candidate Starts for P28Green_72:

(Start: 11 @42444 has 107 MA's), (Start: 16 @42426 has 8 MA's), (20, 42411), (Start: 28 @42390 has 14 MA's), (35, 42357), (42, 42306), (43, 42297), (46, 42270), (48, 42264), (53, 42231),

Gene: PGHhamlin_74 Start: 42433, Stop: 42125, Start Num: 11

Candidate Starts for PGHhamlin_74:

(Start: 11 @42433 has 107 MA's), (Start: 16 @42415 has 8 MA's), (20, 42400), (Start: 28 @42379 has 14 MA's), (35, 42346), (42, 42295), (43, 42286), (46, 42259), (48, 42253), (53, 42220),

Gene: PSullivan_64 Start: 41080, Stop: 40787, Start Num: 21

Candidate Starts for PSullivan_64:

(9, 41107), (Start: 21 @41080 has 223 MA's), (Start: 32 @41035 has 1 MA's), (36, 41005), (42, 40957), (48, 40915),

Gene: PacerPaul_66 Start: 42858, Stop: 42565, Start Num: 21

Candidate Starts for PacerPaul_66:

(Start: 21 @42858 has 223 MA's), (Start: 32 @42813 has 1 MA's), (36, 42783), (42, 42735), (48, 42693),

Gene: PainterBoy_74 Start: 43245, Stop: 42943, Start Num: 17

Candidate Starts for PainterBoy_74:

(5, 43359), (10, 43269), (15, 43251), (Start: 17 @43245 has 1 MA's), (26, 43203), (47, 43065), (56, 43008),

Gene: Paphu_65 Start: 43166, Stop: 42873, Start Num: 21

Candidate Starts for Paphu_65:

(Start: 21 @43166 has 223 MA's), (Start: 32 @43121 has 1 MA's), (36, 43091), (42, 43043), (48, 43001),

Gene: Paraselene_67 Start: 43668, Stop: 43375, Start Num: 21

Candidate Starts for Paraselene_67:

(Start: 21 @43668 has 223 MA's), (Start: 32 @43623 has 1 MA's), (36, 43593), (42, 43545), (48, 43503),

Gene: Pari_70 Start: 42376, Stop: 42083, Start Num: 21

Candidate Starts for Pari_70:

(9, 42403), (Start: 21 @42376 has 223 MA's), (Start: 32 @42331 has 1 MA's), (36, 42301), (42, 42253), (48, 42211),

Gene: Parliament_67 Start: 44958, Stop: 44665, Start Num: 21

Candidate Starts for Parliament_67:

(Start: 21 @44958 has 223 MA's), (Start: 32 @44913 has 1 MA's), (36, 44883), (38, 44871), (42, 44835), (48, 44793),

Gene: PascalRango_63 Start: 42153, Stop: 41860, Start Num: 21

Candidate Starts for PascalRango_63:

(9, 42180), (Start: 21 @42153 has 223 MA's), (Start: 32 @42108 has 1 MA's), (36, 42078), (42, 42030), (48, 41988),

Gene: PattyP_68 Start: 43888, Stop: 43595, Start Num: 21

Candidate Starts for PattyP_68:

(9, 43915), (Start: 21 @43888 has 223 MA's), (Start: 32 @43843 has 1 MA's), (36, 43813), (42, 43765), (48, 43723),

Gene: Pawn_70 Start: 42208, Stop: 41954, Start Num: 28

Candidate Starts for Pawn_70:

(Start: 11 @42262 has 107 MA's), (Start: 16 @42244 has 8 MA's), (20, 42229), (Start: 28 @42208 has 14 MA's), (35, 42175), (42, 42124), (43, 42115), (46, 42088), (48, 42082), (49, 42073), (53, 42049),

Gene: Payneful_63 Start: 41821, Stop: 41528, Start Num: 21

Candidate Starts for Payneful_63:

(Start: 21 @41821 has 223 MA's), (Start: 32 @41776 has 1 MA's), (36, 41746), (42, 41698), (48, 41656),

Gene: PeaceMeal1_62 Start: 40396, Stop: 40088, Start Num: 11

Candidate Starts for PeaceMeal1_62:

(Start: 11 @40396 has 107 MA's), (25, 40354), (33, 40330), (42, 40258), (49, 40207), (53, 40183), (60, 40108),

Gene: Pelly_68 Start: 44825, Stop: 44532, Start Num: 21

Candidate Starts for Pelly_68:

(9, 44852), (Start: 21 @44825 has 223 MA's), (Start: 32 @44780 has 1 MA's), (42, 44702), (48, 44660),

Gene: Pembroke_72 Start: 42442, Stop: 42134, Start Num: 11

Candidate Starts for Pembroke_72:

(Start: 11 @42442 has 107 MA's), (Start: 16 @42424 has 8 MA's), (20, 42409), (Start: 28 @42388 has 14 MA's), (35, 42355), (42, 42304), (43, 42295), (46, 42268), (48, 42262), (53, 42229),

Gene: Penny1_72 Start: 42445, Stop: 42137, Start Num: 11

Candidate Starts for Penny1_72:

(Start: 11 @42445 has 107 MA's), (Start: 16 @42427 has 8 MA's), (20, 42412), (Start: 28 @42391 has 14 MA's), (35, 42358), (42, 42307), (43, 42298), (46, 42271), (48, 42265), (53, 42232),

Gene: Pepe_64 Start: 41654, Stop: 41361, Start Num: 21

Candidate Starts for Pepe_64:

(Start: 21 @41654 has 223 MA's), (Start: 32 @41609 has 1 MA's), (36, 41579), (42, 41531), (48, 41489),

Gene: Perseus_64 Start: 44104, Stop: 43811, Start Num: 21

Candidate Starts for Perseus_64:

(Start: 21 @44104 has 223 MA's), (Start: 32 @44059 has 1 MA's), (36, 44029), (42, 43981), (48, 43939),

Gene: Peterson_69 Start: 44970, Stop: 44677, Start Num: 21

Candidate Starts for Peterson_69:

(Start: 21 @44970 has 223 MA's), (Start: 32 @44925 has 1 MA's), (36, 44895), (42, 44847), (48, 44805),

Gene: Petp2012_69 Start: 44669, Stop: 44376, Start Num: 21

Candidate Starts for Petp2012_69:

(9, 44696), (Start: 21 @44669 has 223 MA's), (Start: 32 @44624 has 1 MA's), (36, 44594), (42, 44546), (48, 44504),

Gene: Petruchio_68 Start: 42490, Stop: 42197, Start Num: 21

Candidate Starts for Petruchio_68:

(1, 42748), (3, 42712), (9, 42517), (Start: 21 @42490 has 223 MA's), (Start: 32 @42445 has 1 MA's), (36, 42415), (42, 42367), (48, 42325),

Gene: Phantastic_69 Start: 41822, Stop: 41451, Start Num: 11

Candidate Starts for Phantastic_69:

(Start: 11 @41822 has 107 MA's), (18, 41801), (20, 41789), (Start: 28 @41765 has 14 MA's), (50, 41612), (53, 41594), (54, 41585), (55, 41573),

Gene: PherrisBueller_67 Start: 41610, Stop: 41317, Start Num: 21

Candidate Starts for PherrisBueller_67:

(9, 41637), (Start: 21 @41610 has 223 MA's), (Start: 32 @41565 has 1 MA's), (36, 41535), (42, 41487), (48, 41445),

Gene: PhineBark_65 Start: 42788, Stop: 42495, Start Num: 21

Candidate Starts for PhineBark_65:

(Start: 21 @42788 has 223 MA's), (Start: 32 @42743 has 1 MA's), (36, 42713), (42, 42665), (48, 42623),

Gene: PhishRPhriends_68 Start: 41439, Stop: 41131, Start Num: 11

Candidate Starts for PhishRPhriends_68:

(Start: 11 @41439 has 107 MA's), (Start: 16 @41421 has 8 MA's), (20, 41406), (Start: 28 @41385 has 14 MA's), (35, 41352), (42, 41301), (43, 41292), (46, 41265), (48, 41259), (49, 41250), (53, 41226),

Gene: Phlei_58 Start: 41698, Stop: 41450, Start Num: 29

Candidate Starts for Phlei_58:

(29, 41698), (31, 41689), (Start: 32 @41683 has 1 MA's), (37, 41653), (41, 41638), (42, 41614), (43, 41605), (45, 41581), (48, 41572), (50, 41557), (53, 41539), (55, 41518),

Gene: Phlippers_61 Start: 42632, Stop: 42339, Start Num: 21

Candidate Starts for Phlippers_61:

(9, 42659), (Start: 21 @42632 has 223 MA's), (Start: 32 @42587 has 1 MA's), (36, 42557), (38, 42545), (42, 42509), (48, 42467),

Gene: Phoebe_73 Start: 42380, Stop: 42126, Start Num: 28

Candidate Starts for Phoebe_73:

(Start: 11 @42434 has 107 MA's), (Start: 16 @42416 has 8 MA's), (20, 42401), (Start: 28 @42380 has 14 MA's), (35, 42347), (42, 42296), (43, 42287), (46, 42260), (48, 42254), (53, 42221),

Gene: Phoxy_72 Start: 42466, Stop: 42158, Start Num: 11

Candidate Starts for Phoxy_72:

(Start: 11 @42466 has 107 MA's), (Start: 16 @42448 has 8 MA's), (20, 42433), (Start: 28 @42412 has 14 MA's), (35, 42379), (42, 42328), (43, 42319), (46, 42292), (48, 42286), (53, 42253),

Gene: Phranny_72 Start: 42190, Stop: 41936, Start Num: 28

Candidate Starts for Phranny_72:

(20, 42211), (Start: 28 @42190 has 14 MA's), (35, 42157), (42, 42106), (43, 42097), (46, 42070), (48, 42064), (49, 42055), (53, 42031),

Gene: PhrostyMug_66 Start: 44118, Stop: 43825, Start Num: 21

Candidate Starts for PhrostyMug_66:

(Start: 21 @44118 has 223 MA's), (Start: 32 @44073 has 1 MA's), (36, 44043), (42, 43995), (48, 43953),

Gene: PinkPlastic_65 Start: 42426, Stop: 42133, Start Num: 21

Candidate Starts for PinkPlastic_65:

(9, 42453), (Start: 21 @42426 has 223 MA's), (Start: 32 @42381 has 1 MA's), (36, 42351), (42, 42303), (48, 42261),

Gene: Pinto_66 Start: 42379, Stop: 42086, Start Num: 21

Candidate Starts for Pinto_66:

(1, 42637), (3, 42601), (9, 42406), (Start: 21 @42379 has 223 MA's), (Start: 32 @42334 has 1 MA's), (36, 42304), (42, 42256), (48, 42214),

Gene: Pippin_65 Start: 41805, Stop: 41512, Start Num: 21

Candidate Starts for Pippin_65:

(9, 41832), (Start: 21 @41805 has 223 MA's), (Start: 32 @41760 has 1 MA's), (36, 41730), (42, 41682), (48, 41640),

Gene: Pistachio_67 Start: 41751, Stop: 41383, Start Num: 11

Candidate Starts for Pistachio_67:

(Start: 11 @41751 has 107 MA's), (18, 41730), (20, 41718), (Start: 28 @41694 has 14 MA's), (50, 41544), (53, 41526), (55, 41505),

Gene: Pita2_67 Start: 42577, Stop: 42284, Start Num: 21

Candidate Starts for Pita2_67:

(9, 42604), (Start: 21 @42577 has 223 MA's), (Start: 32 @42532 has 1 MA's), (36, 42502), (42, 42454), (48, 42412),

Gene: Poompha_61 Start: 40394, Stop: 40086, Start Num: 11

Candidate Starts for Poompha_61:

(Start: 11 @40394 has 107 MA's), (25, 40352), (33, 40328), (42, 40256), (49, 40205), (53, 40181), (60, 40106),

Gene: PotatoSplit_73 Start: 42445, Stop: 42137, Start Num: 11

Candidate Starts for PotatoSplit_73:

(Start: 11 @42445 has 107 MA's), (Start: 16 @42427 has 8 MA's), (20, 42412), (Start: 28 @42391 has 14 MA's), (35, 42358), (42, 42307), (43, 42298), (46, 42271), (48, 42265), (53, 42232),

Gene: PowerRanger_65 Start: 43852, Stop: 43559, Start Num: 21

Candidate Starts for PowerRanger_65:

(9, 43879), (Start: 21 @43852 has 223 MA's), (Start: 32 @43807 has 1 MA's), (42, 43729), (48, 43687),

Gene: ProMouse_67 Start: 43095, Stop: 42802, Start Num: 21

Candidate Starts for ProMouse_67:

(9, 43122), (Start: 21 @43095 has 223 MA's), (Start: 32 @43050 has 1 MA's), (36, 43020), (42, 42972), (48, 42930),

Gene: Puppet_64 Start: 43810, Stop: 43517, Start Num: 21

Candidate Starts for Puppet_64:

(8, 43846), (Start: 21 @43810 has 223 MA's), (Start: 32 @43765 has 1 MA's), (36, 43735), (42, 43687), (48, 43645),

Gene: Puppy_68 Start: 41766, Stop: 41455, Start Num: 28

Candidate Starts for Puppy_68:

(Start: 11 @41823 has 107 MA's), (18, 41802), (20, 41790), (Start: 28 @41766 has 14 MA's), (50, 41616), (53, 41598), (55, 41577),

Gene: PurpleHaze_71 Start: 42257, Stop: 41949, Start Num: 11

Candidate Starts for PurpleHaze_71:

(Start: 11 @42257 has 107 MA's), (Start: 16 @42239 has 8 MA's), (20, 42224), (Start: 28 @42203 has 14 MA's), (35, 42170), (42, 42119), (43, 42110), (46, 42083), (48, 42077), (53, 42044),

Gene: QTRlifeCrisis_67 Start: 43106, Stop: 42813, Start Num: 21

Candidate Starts for QTRlifeCrisis_67:

(9, 43133), (Start: 21 @43106 has 223 MA's), (Start: 32 @43061 has 1 MA's), (36, 43031), (42, 42983), (48, 42941),

Gene: Raid_65 Start: 42932, Stop: 42639, Start Num: 21

Candidate Starts for Raid_65:

(9, 42959), (Start: 21 @42932 has 223 MA's), (30, 42899), (Start: 32 @42887 has 1 MA's), (36, 42857), (42, 42809), (48, 42767),

Gene: Rajelicia_66 Start: 44209, Stop: 43916, Start Num: 21

Candidate Starts for Rajelicia_66:

(9, 44236), (Start: 21 @44209 has 223 MA's), (Start: 32 @44164 has 1 MA's), (36, 44134), (42, 44086), (48, 44044),

Gene: Ravana_82 Start: 45133, Stop: 44855, Start Num: 27

Candidate Starts for Ravana_82:

(6, 45208), (Start: 27 @45133 has 25 MA's), (40, 45055), (43, 45016), (48, 44983), (52, 44953), (53, 44950), (55, 44929),

Gene: ReMo_78 Start: 43472, Stop: 43194, Start Num: 27

Candidate Starts for ReMo_78:

(7, 43532), (Start: 27 @43472 has 25 MA's), (40, 43394), (43, 43355), (48, 43322), (52, 43292), (53, 43289), (55, 43268), (57, 43235),

Gene: Reba_71 Start: 41863, Stop: 41609, Start Num: 28

Candidate Starts for Reba_71:

(20, 41884), (Start: 28 @41863 has 14 MA's), (35, 41830), (42, 41779), (43, 41770), (46, 41743), (48, 41737), (49, 41728), (53, 41704),

Gene: Rebeuca_65 Start: 41710, Stop: 41402, Start Num: 11

Candidate Starts for Rebeuca_65:

(Start: 11 @41710 has 107 MA's), (19, 41692), (25, 41668), (33, 41644), (49, 41521), (53, 41497), (60, 41422),

Gene: Remus_81 Start: 43800, Stop: 43522, Start Num: 27

Candidate Starts for Remus_81:

(6, 43875), (Start: 27 @43800 has 25 MA's), (40, 43722), (43, 43683), (48, 43650), (52, 43620), (53, 43617), (55, 43596), (57, 43563),

Gene: RhynO_64 Start: 41351, Stop: 41043, Start Num: 11

Candidate Starts for RhynO_64:

(Start: 11 @41351 has 107 MA's), (25, 41309), (33, 41285), (50, 41156), (53, 41138), (60, 41063),

Gene: Rhynn_62 Start: 42109, Stop: 41816, Start Num: 21

Candidate Starts for Rhynn_62:

(Start: 21 @42109 has 223 MA's), (Start: 32 @42064 has 1 MA's), (36, 42034), (42, 41986), (48, 41944),

Gene: RidgeCB_66 Start: 42526, Stop: 42233, Start Num: 21

Candidate Starts for RidgeCB_66:

(9, 42553), (Start: 21 @42526 has 223 MA's), (Start: 32 @42481 has 1 MA's), (36, 42451), (42, 42403), (48, 42361),

Gene: Ringer_69 Start: 44632, Stop: 44339, Start Num: 21

Candidate Starts for Ringer_69:

(9, 44659), (Start: 21 @44632 has 223 MA's), (Start: 32 @44587 has 1 MA's), (36, 44557), (42, 44509), (48, 44467),

Gene: Rockstar_66 Start: 41645, Stop: 41277, Start Num: 11

Candidate Starts for Rockstar_66:

(Start: 11 @41645 has 107 MA's), (20, 41612), (Start: 28 @41588 has 14 MA's), (50, 41438), (53, 41420), (54, 41411), (55, 41399),

Gene: Rohr_67 Start: 43844, Stop: 43551, Start Num: 21

Candidate Starts for Rohr_67:

(9, 43871), (Start: 21 @43844 has 223 MA's), (Start: 32 @43799 has 1 MA's), (36, 43769), (42, 43721), (48, 43679),

Gene: Roimos_65 Start: 42024, Stop: 41659, Start Num: 11

Candidate Starts for Roimos_65:

(Start: 11 @42024 has 107 MA's), (18, 42003), (20, 41991), (Start: 28 @41967 has 14 MA's), (50, 41817), (53, 41799), (54, 41790), (55, 41778),

Gene: Rosalind_78 Start: 43296, Stop: 43018, Start Num: 27

Candidate Starts for Rosalind_78:

(7, 43356), (Start: 27 @43296 has 25 MA's), (40, 43218), (43, 43179), (48, 43146), (52, 43116), (53, 43113), (55, 43092), (57, 43059),

Gene: Rowdy_66 Start: 41423, Stop: 41115, Start Num: 11

Candidate Starts for Rowdy_66:

(Start: 11 @41423 has 107 MA's), (25, 41381), (33, 41357), (42, 41285), (50, 41228), (53, 41210), (60, 41135),

Gene: Rubeus_65 Start: 40346, Stop: 40053, Start Num: 21

Candidate Starts for Rubeus_65:

(9, 40373), (Start: 21 @40346 has 223 MA's), (Start: 32 @40301 has 1 MA's), (36, 40271), (42, 40223), (48, 40181),

Gene: Rufus_68 Start: 43030, Stop: 42737, Start Num: 21

Candidate Starts for Rufus_68:

(9, 43057), (Start: 21 @43030 has 223 MA's), (Start: 32 @42985 has 1 MA's), (36, 42955), (42, 42907), (48, 42865),

Gene: Rummer_71 Start: 42469, Stop: 42161, Start Num: 11

Candidate Starts for Rummer_71:

(Start: 11 @42469 has 107 MA's), (Start: 16 @42451 has 8 MA's), (20, 42436), (Start: 28 @42415 has 14 MA's), (35, 42382), (42, 42331), (43, 42322), (46, 42295), (48, 42289), (53, 42256),

Gene: Ruotula_72 Start: 45133, Stop: 44840, Start Num: 21

Candidate Starts for Ruotula_72:

(9, 45160), (Start: 21 @45133 has 223 MA's), (Start: 32 @45088 has 1 MA's), (36, 45058), (42, 45010), (48, 44968),

Gene: Rutherferd_67 Start: 43925, Stop: 43632, Start Num: 21

Candidate Starts for Rutherferd_67:

(Start: 21 @43925 has 223 MA's), (Start: 32 @43880 has 1 MA's), (42, 43802), (48, 43760),

Gene: STLscum_75 Start: 44847, Stop: 44554, Start Num: 21

Candidate Starts for STLscum_75:

(Start: 21 @44847 has 223 MA's), (Start: 32 @44802 has 1 MA's), (36, 44772), (42, 44724), (48, 44682),

Gene: Sabia_70 Start: 42432, Stop: 42142, Start Num: 16

Candidate Starts for Sabia_70:

(Start: 16 @42432 has 8 MA's), (20, 42417), (Start: 28 @42396 has 14 MA's), (35, 42363), (42, 42312), (43, 42303), (46, 42276), (48, 42270), (53, 42237),

Gene: Sabinator_70 Start: 42440, Stop: 42132, Start Num: 11

Candidate Starts for Sabinator_70:

(Start: 11 @42440 has 107 MA's), (Start: 16 @42422 has 8 MA's), (20, 42407), (Start: 28 @42386 has 14 MA's), (35, 42353), (42, 42302), (43, 42293), (46, 42266), (48, 42260), (53, 42227),

Gene: Sagefire_67 Start: 44059, Stop: 43766, Start Num: 21

Candidate Starts for Sagefire_67:

(Start: 21 @44059 has 223 MA's), (Start: 32 @44014 has 1 MA's), (36, 43984), (42, 43936), (48, 43894),

Gene: Sandaddy_63 Start: 42327, Stop: 42034, Start Num: 21

Candidate Starts for Sandaddy_63:

(9, 42354), (Start: 21 @42327 has 223 MA's), (Start: 32 @42282 has 1 MA's), (36, 42252), (42, 42204), (48, 42162),

Gene: Sanya_64 Start: 43586, Stop: 43293, Start Num: 21

Candidate Starts for Sanya_64:

(9, 43613), (Start: 21 @43586 has 223 MA's), (Start: 32 @43541 has 1 MA's), (36, 43511), (42, 43463), (48, 43421),

Gene: SarFire_65 Start: 42573, Stop: 42280, Start Num: 21

Candidate Starts for SarFire_65:

(9, 42600), (Start: 21 @42573 has 223 MA's), (Start: 32 @42528 has 1 MA's), (42, 42450), (48, 42408),

Gene: SaturnRing_67 Start: 42204, Stop: 41836, Start Num: 11

Candidate Starts for SaturnRing_67:

(Start: 11 @42204 has 107 MA's), (18, 42183), (20, 42171), (Start: 28 @42147 has 14 MA's), (50, 41997), (53, 41979), (55, 41958),

Gene: Scout_66 Start: 41355, Stop: 40990, Start Num: 11

Candidate Starts for Scout_66:

(Start: 11 @41355 has 107 MA's), (18, 41334), (20, 41322), (Start: 28 @41298 has 14 MA's), (50, 41148), (53, 41130), (54, 41121), (55, 41109),

Gene: Scowl_67 Start: 42499, Stop: 42206, Start Num: 21

Candidate Starts for Scowl_67:

(Start: 21 @42499 has 223 MA's), (Start: 32 @42454 has 1 MA's), (36, 42424), (42, 42376), (48, 42334),

Gene: Severus_62 Start: 40394, Stop: 40086, Start Num: 11

Candidate Starts for Severus_62:

(Start: 11 @40394 has 107 MA's), (25, 40352), (33, 40328), (42, 40256), (49, 40205), (53, 40181), (60, 40106),

Gene: Shapes_66 Start: 41423, Stop: 41115, Start Num: 11

Candidate Starts for Shapes_66:

(Start: 11 @41423 has 107 MA's), (25, 41381), (33, 41357), (42, 41285), (50, 41228), (53, 41210), (60, 41135),

Gene: ShayRa_80 Start: 43325, Stop: 43047, Start Num: 27

Candidate Starts for ShayRa_80:

(7, 43385), (Start: 27 @43325 has 25 MA's), (40, 43247), (43, 43208), (48, 43175), (52, 43145), (53, 43142), (55, 43121), (57, 43088),

Gene: Sheen_69 Start: 45854, Stop: 45495, Start Num: 11

Candidate Starts for Sheen_69:

(Start: 11 @45854 has 107 MA's), (22, 45818), (42, 45713), (50, 45656), (53, 45638), (55, 45617),

Gene: Shep_65 Start: 41105, Stop: 40740, Start Num: 11

Candidate Starts for Shep_65:

(Start: 11 @41105 has 107 MA's), (18, 41084), (20, 41072), (Start: 28 @41048 has 14 MA's), (50, 40898), (53, 40880), (54, 40871), (55, 40859),

Gene: ShortQueendom_59 Start: 40038, Stop: 39745, Start Num: 21

Candidate Starts for ShortQueendom_59:

(9, 40065), (Start: 21 @40038 has 223 MA's), (Start: 32 @39993 has 1 MA's), (36, 39963), (42, 39915), (48, 39873),

Gene: Sibs6_68 Start: 41229, Stop: 40936, Start Num: 21

Candidate Starts for Sibs6_68:

(9, 41256), (Start: 21 @41229 has 223 MA's), (Start: 32 @41184 has 1 MA's), (36, 41154), (42, 41106), (48, 41064),

Gene: SkiPole_74 Start: 44120, Stop: 43827, Start Num: 21

Candidate Starts for SkiPole_74:

(Start: 21 @44120 has 223 MA's), (Start: 32 @44075 has 1 MA's), (36, 44045), (42, 43997), (48, 43955),

Gene: Slagathor_68 Start: 44595, Stop: 44302, Start Num: 21

Candidate Starts for Slagathor_68:

(9, 44622), (Start: 21 @44595 has 223 MA's), (Start: 32 @44550 has 1 MA's), (36, 44520), (42, 44472), (48, 44430),

Gene: Smairt_68 Start: 45112, Stop: 44819, Start Num: 21

Candidate Starts for Smairt_68:

(Start: 21 @45112 has 223 MA's), (Start: 32 @45067 has 1 MA's), (36, 45037), (42, 44989), (48, 44947),

Gene: Smeagol_68 Start: 44353, Stop: 44060, Start Num: 21

Candidate Starts for Smeagol_68:

(Start: 21 @44353 has 223 MA's), (Start: 32 @44308 has 1 MA's), (36, 44278), (42, 44230), (48, 44188),

Gene: Snazzy_63 Start: 41494, Stop: 41201, Start Num: 21

Candidate Starts for Snazzy_63:

(9, 41521), (Start: 21 @41494 has 223 MA's), (Start: 32 @41449 has 1 MA's), (36, 41419), (42, 41371), (48, 41329),

Gene: Snickers_72 Start: 42361, Stop: 42107, Start Num: 28

Candidate Starts for Snickers_72:

(Start: 16 @42397 has 8 MA's), (20, 42382), (Start: 28 @42361 has 14 MA's), (35, 42328), (42, 42277), (43, 42268), (46, 42241), (48, 42235), (53, 42202),

Gene: SoYo_69 Start: 42353, Stop: 42045, Start Num: 11

Candidate Starts for SoYo_69:

(Start: 11 @42353 has 107 MA's), (Start: 16 @42335 has 8 MA's), (20, 42320), (Start: 28 @42299 has 14 MA's), (35, 42266), (42, 42215), (43, 42206), (46, 42179), (48, 42173), (53, 42140),

Gene: SoilDragon_71 Start: 41889, Stop: 41581, Start Num: 11

Candidate Starts for SoilDragon_71:

(Start: 11 @41889 has 107 MA's), (Start: 16 @41871 has 8 MA's), (20, 41856), (Start: 28 @41835 has 14 MA's), (35, 41802), (42, 41751), (43, 41742), (46, 41715), (48, 41709), (49, 41700), (53, 41676),

Gene: Solon_64 Start: 42070, Stop: 41777, Start Num: 21

Candidate Starts for Solon_64:

(9, 42097), (Start: 21 @42070 has 223 MA's), (Start: 32 @42025 has 1 MA's), (36, 41995), (38, 41983), (42, 41947), (48, 41905),

Gene: Sorpresa_64 Start: 42329, Stop: 42036, Start Num: 21

Candidate Starts for Sorpresa_64:

(9, 42356), (Start: 21 @42329 has 223 MA's), (Start: 32 @42284 has 1 MA's), (36, 42254), (42, 42206), (48, 42164),

Gene: Soshari_74 Start: 42465, Stop: 42157, Start Num: 11

Candidate Starts for Soshari_74:

(Start: 11 @42465 has 107 MA's), (Start: 16 @42447 has 8 MA's), (20, 42432), (Start: 28 @42411 has 14 MA's), (35, 42378), (42, 42327), (43, 42318), (46, 42291), (48, 42285), (53, 42252),

Gene: Soups_80 Start: 43589, Stop: 43311, Start Num: 27

Candidate Starts for Soups_80:

(6, 43664), (Start: 27 @43589 has 25 MA's), (40, 43511), (43, 43472), (48, 43439), (52, 43409), (53, 43406), (55, 43385), (57, 43352),

Gene: Spike509_72 Start: 42466, Stop: 42158, Start Num: 11

Candidate Starts for Spike509_72:

(Start: 11 @42466 has 107 MA's), (Start: 16 @42448 has 8 MA's), (20, 42433), (Start: 28 @42412 has 14 MA's), (35, 42379), (42, 42328), (43, 42319), (46, 42292), (48, 42286), (53, 42253),

Gene: SpikeBT_64 Start: 42693, Stop: 42400, Start Num: 21

Candidate Starts for SpikeBT_64:

(9, 42720), (Start: 21 @42693 has 223 MA's), (Start: 32 @42648 has 1 MA's), (36, 42618), (38, 42606), (42, 42570), (48, 42528),

Gene: Squee_69 Start: 42726, Stop: 42433, Start Num: 21

Candidate Starts for Squee_69:

(Start: 21 @42726 has 223 MA's), (Start: 32 @42681 has 1 MA's), (36, 42651), (42, 42603), (48, 42561),

Gene: Stagni_69 Start: 42390, Stop: 42136, Start Num: 28

Candidate Starts for Stagni_69:

(Start: 11 @42444 has 107 MA's), (Start: 16 @42426 has 8 MA's), (20, 42411), (Start: 28 @42390 has 14 MA's), (35, 42357), (42, 42306), (43, 42297), (46, 42270), (48, 42264), (53, 42231),

Gene: StepMih_71 Start: 42435, Stop: 42127, Start Num: 11

Candidate Starts for StepMih_71:

(Start: 11 @42435 has 107 MA's), (Start: 16 @42417 has 8 MA's), (20, 42402), (Start: 28 @42381 has 14 MA's), (35, 42348), (42, 42297), (43, 42288), (46, 42261), (48, 42255), (53, 42222),

Gene: StewieG_59 Start: 38877, Stop: 38584, Start Num: 21

Candidate Starts for StewieG_59:

(1, 39135), (3, 39099), (9, 38904), (Start: 21 @38877 has 223 MA's), (Start: 32 @38832 has 1 MA's), (36, 38802), (42, 38754), (48, 38712),

Gene: StrongArm_64 Start: 43443, Stop: 43150, Start Num: 21

Candidate Starts for StrongArm_64:

(9, 43470), (Start: 21 @43443 has 223 MA's), (Start: 32 @43398 has 1 MA's), (36, 43368), (42, 43320), (48, 43278),

Gene: Strosahl_81 Start: 43800, Stop: 43522, Start Num: 27

Candidate Starts for Strosahl_81:

(6, 43875), (Start: 27 @43800 has 25 MA's), (40, 43722), (43, 43683), (48, 43650), (52, 43620), (53, 43617), (55, 43596), (57, 43563),

Gene: Sumter_62 Start: 42684, Stop: 42391, Start Num: 21

Candidate Starts for Sumter_62:

(9, 42711), (Start: 21 @42684 has 223 MA's), (Start: 32 @42639 has 1 MA's), (36, 42609), (42, 42561), (48, 42519),

Gene: Sunshine924_71 Start: 43388, Stop: 43095, Start Num: 21

Candidate Starts for Sunshine924_71:

(Start: 21 @43388 has 223 MA's), (Start: 32 @43343 has 1 MA's), (36, 43313), (42, 43265), (48, 43223),

Gene: SwissCheese_69 Start: 42912, Stop: 42619, Start Num: 21

Candidate Starts for SwissCheese_69:

(9, 42939), (Start: 21 @42912 has 223 MA's), (Start: 32 @42867 has 1 MA's), (36, 42837), (42, 42789), (48, 42747),

Gene: Switzer_67 Start: 44218, Stop: 43925, Start Num: 21

Candidate Starts for Switzer_67:

(Start: 21 @44218 has 223 MA's), (Start: 32 @44173 has 1 MA's), (36, 44143), (42, 44095), (48, 44053),

Gene: Switzerland_79 Start: 43464, Stop: 43186, Start Num: 27

Candidate Starts for Switzerland_79:

(7, 43524), (Start: 27 @43464 has 25 MA's), (40, 43386), (43, 43347), (48, 43314), (52, 43284), (53, 43281), (55, 43260), (57, 43227),

Gene: Swole_67 Start: 42487, Stop: 42194, Start Num: 21

Candidate Starts for Swole_67:

(9, 42514), (Start: 21 @42487 has 223 MA's), (Start: 32 @42442 has 1 MA's), (36, 42412), (42, 42364), (48, 42322),

Gene: TNguyen7_68 Start: 42107, Stop: 41796, Start Num: 28

Candidate Starts for TNguyen7_68:

(Start: 11 @42164 has 107 MA's), (18, 42143), (20, 42131), (Start: 28 @42107 has 14 MA's), (50, 41957), (53, 41939), (55, 41918),

Gene: Target_69 Start: 42804, Stop: 42511, Start Num: 21

Candidate Starts for Target_69:

(Start: 21 @42804 has 223 MA's), (Start: 32 @42759 has 1 MA's), (36, 42729), (42, 42681), (48, 42639),

Gene: Tasp14_69 Start: 44447, Stop: 44154, Start Num: 21

Candidate Starts for Tasp14_69:

(Start: 21 @44447 has 223 MA's), (Start: 32 @44402 has 1 MA's), (36, 44372), (42, 44324), (48, 44282),

Gene: Taurus_73 Start: 42441, Stop: 42133, Start Num: 11

Candidate Starts for Taurus_73:

(Start: 11 @42441 has 107 MA's), (Start: 16 @42423 has 8 MA's), (20, 42408), (Start: 28 @42387 has 14 MA's), (35, 42354), (42, 42303), (43, 42294), (46, 42267), (48, 42261), (53, 42228),

Gene: Teodoridan_65 Start: 41810, Stop: 41517, Start Num: 21

Candidate Starts for Teodoridan_65:

(Start: 21 @41810 has 223 MA's), (Start: 32 @41765 has 1 MA's), (36, 41735), (42, 41687), (48, 41645),

Gene: Texage_65 Start: 42161, Stop: 41790, Start Num: 11

Candidate Starts for Texage_65:

(Start: 11 @42161 has 107 MA's), (20, 42128), (Start: 28 @42104 has 14 MA's), (42, 42008), (50, 41951), (53, 41933), (55, 41912),

Gene: TheloniousMonk_70 Start: 45181, Stop: 44888, Start Num: 21

Candidate Starts for TheloniousMonk_70:

(9, 45208), (Start: 21 @45181 has 223 MA's), (Start: 32 @45136 has 1 MA's), (36, 45106), (42, 45058), (48, 45016),

Gene: Thor_65 Start: 41931, Stop: 41638, Start Num: 21

Candidate Starts for Thor_65:

(9, 41958), (Start: 21 @41931 has 223 MA's), (Start: 32 @41886 has 1 MA's), (42, 41808), (48, 41766),

Gene: Tiffany_71 Start: 42309, Stop: 42019, Start Num: 16

Candidate Starts for Tiffany_71:

(Start: 16 @42309 has 8 MA's), (20, 42294), (Start: 28 @42273 has 14 MA's), (35, 42240), (42, 42189), (43, 42180), (46, 42153), (48, 42147), (53, 42114),

Gene: TinyPebbles_71 Start: 42471, Stop: 42163, Start Num: 11

Candidate Starts for TinyPebbles_71:

(4, 42678), (Start: 11 @42471 has 107 MA's), (14, 42459), (Start: 16 @42453 has 8 MA's), (20, 42438), (Start: 28 @42417 has 14 MA's), (35, 42384), (42, 42333), (43, 42324), (46, 42297), (48, 42291), (53, 42258),

Gene: Topanga_61 Start: 41190, Stop: 40882, Start Num: 11

Candidate Starts for Topanga_61:

(Start: 11 @41190 has 107 MA's), (25, 41148), (33, 41124), (49, 41001), (50, 40995), (53, 40977), (60, 40902),

Gene: Topgun_63 Start: 41557, Stop: 41264, Start Num: 21

Candidate Starts for Topgun_63:

(9, 41584), (Start: 21 @41557 has 223 MA's), (Start: 32 @41512 has 1 MA's), (36, 41482), (42, 41434), (48, 41392),

Gene: Toro_68 Start: 45930, Stop: 45607, Start Num: 22

Candidate Starts for Toro_68:

(Start: 11 @45966 has 107 MA's), (22, 45930), (42, 45825), (50, 45768), (53, 45750), (55, 45729),

Gene: Tote_62 Start: 39754, Stop: 39461, Start Num: 21

Candidate Starts for Tote_62:

(9, 39781), (Start: 21 @39754 has 223 MA's), (Start: 32 @39709 has 1 MA's), (36, 39679), (42, 39631), (48, 39589),

Gene: Traft412_69 Start: 43542, Stop: 43249, Start Num: 21

Candidate Starts for Traft412_69:

(Start: 21 @43542 has 223 MA's), (Start: 32 @43497 has 1 MA's), (36, 43467), (42, 43419), (48, 43377),

Gene: Treddle_66 Start: 43796, Stop: 43503, Start Num: 21

Candidate Starts for Treddle_66:

(9, 43823), (Start: 21 @43796 has 223 MA's), (Start: 32 @43751 has 1 MA's), (36, 43721), (38, 43709), (42, 43673), (48, 43631),

Gene: Trike_61 Start: 40401, Stop: 40093, Start Num: 11

Candidate Starts for Trike_61:

(Start: 11 @40401 has 107 MA's), (25, 40359), (33, 40335), (42, 40263), (49, 40212), (53, 40188), (60, 40113),

Gene: Tripl3t_70 Start: 45279, Stop: 44986, Start Num: 21

Candidate Starts for Tripl3t_70:

(Start: 21 @45279 has 223 MA's), (Start: 32 @45234 has 1 MA's), (36, 45204), (38, 45192), (42, 45156), (48, 45114),

Gene: Trouble_66 Start: 42897, Stop: 42604, Start Num: 21

Candidate Starts for Trouble_66:

(Start: 21 @42897 has 223 MA's), (Start: 32 @42852 has 1 MA's), (36, 42822), (42, 42774), (48, 42732),

Gene: Turj99_64 Start: 43466, Stop: 43173, Start Num: 21

Candidate Starts for Turj99_64:

(9, 43493), (Start: 21 @43466 has 223 MA's), (36, 43391), (42, 43343), (48, 43301),

Gene: Twister_63 Start: 41311, Stop: 41003, Start Num: 11

Candidate Starts for Twister_63:

(Start: 11 @41311 has 107 MA's), (25, 41269), (33, 41245), (49, 41122), (50, 41116), (53, 41098), (60, 41023),

Gene: TwoPeat_67 Start: 43318, Stop: 43025, Start Num: 21

Candidate Starts for TwoPeat_67:

(9, 43345), (Start: 21 @43318 has 223 MA's), (Start: 32 @43273 has 1 MA's), (36, 43243), (42, 43195), (48, 43153),

Gene: U2_62 Start: 43288, Stop: 42995, Start Num: 21

Candidate Starts for U2_62:

(9, 43315), (Start: 21 @43288 has 223 MA's), (Start: 32 @43243 has 1 MA's), (36, 43213), (42, 43165), (48, 43123),

Gene: Violet_63 Start: 44154, Stop: 43861, Start Num: 21

Candidate Starts for Violet_63:

(9, 44181), (Start: 21 @44154 has 223 MA's), (Start: 32 @44109 has 1 MA's), (36, 44079), (42, 44031), (48, 43989),

Gene: Vix_68 Start: 42524, Stop: 42216, Start Num: 11

Candidate Starts for Vix_68:

(Start: 11 @42524 has 107 MA's), (Start: 16 @42506 has 8 MA's), (20, 42491), (Start: 28 @42470 has 14 MA's), (35, 42437), (42, 42386), (43, 42377), (46, 42350), (48, 42344), (53, 42311),

Gene: Waits_80 Start: 43700, Stop: 43422, Start Num: 27

Candidate Starts for Waits_80:

(6, 43775), (Start: 27 @43700 has 25 MA's), (40, 43622), (43, 43583), (48, 43550), (52, 43520), (53, 43517), (55, 43496), (57, 43463),

Gene: WalterMcMickey_63 Start: 41311, Stop: 41003, Start Num: 11

Candidate Starts for WalterMcMickey_63:

(Start: 11 @41311 has 107 MA's), (25, 41269), (33, 41245), (49, 41122), (50, 41116), (53, 41098), (60, 41023),

Gene: Warrior24_81 Start: 44177, Stop: 43899, Start Num: 27

Candidate Starts for Warrior24_81:

(6, 44252), (Start: 27 @44177 has 25 MA's), (40, 44099), (43, 44060), (48, 44027), (52, 43997), (53, 43994), (55, 43973), (57, 43940),

Gene: Watermelon_65 Start: 41890, Stop: 41597, Start Num: 21

Candidate Starts for Watermelon_65:

(9, 41917), (Start: 21 @41890 has 223 MA's), (Start: 32 @41845 has 1 MA's), (36, 41815), (42, 41767), (48, 41725),

Gene: Watson_71 Start: 42433, Stop: 42125, Start Num: 11

Candidate Starts for Watson_71:

(Start: 11 @42433 has 107 MA's), (Start: 16 @42415 has 8 MA's), (20, 42400), (Start: 28 @42379 has 14 MA's), (35, 42346), (42, 42295), (43, 42286), (46, 42259), (48, 42253), (53, 42220),

Gene: Wheeler_68 Start: 43157, Stop: 42864, Start Num: 21

Candidate Starts for Wheeler_68:

(9, 43184), (Start: 21 @43157 has 223 MA's), (Start: 32 @43112 has 1 MA's), (36, 43082), (38, 43070), (42, 43034), (48, 42992),

Gene: Whitspit_61 Start: 40235, Stop: 39942, Start Num: 21

Candidate Starts for Whitspit_61:

(Start: 21 @40235 has 223 MA's), (Start: 32 @40190 has 1 MA's), (36, 40160), (42, 40112), (48, 40070),

Gene: Wilkins_64 Start: 41487, Stop: 41194, Start Num: 21

Candidate Starts for Wilkins_64:

(9, 41514), (Start: 21 @41487 has 223 MA's), (Start: 32 @41442 has 1 MA's), (36, 41412), (42, 41364), (48, 41322),

Gene: Wooldri_74 Start: 42353, Stop: 42045, Start Num: 11

Candidate Starts for Wooldri_74:

(Start: 11 @42353 has 107 MA's), (Start: 16 @42335 has 8 MA's), (20, 42320), (Start: 28 @42299 has 14 MA's), (35, 42266), (42, 42215), (43, 42206), (46, 42179), (48, 42173), (53, 42140),

Gene: Zarafa_65 Start: 42117, Stop: 41752, Start Num: 11

Candidate Starts for Zarafa_65:

(Start: 11 @42117 has 107 MA's), (18, 42096), (20, 42084), (Start: 28 @42060 has 14 MA's), (50, 41910), (53, 41892), (54, 41883), (55, 41871),

Gene: Zeeculate_65 Start: 43127, Stop: 42834, Start Num: 21

Candidate Starts for Zeeculate_65:

(Start: 21 @43127 has 223 MA's), (Start: 32 @43082 has 1 MA's), (36, 43052), (42, 43004), (48, 42962), (59, 42857),

Gene: Zephyr_67 Start: 42228, Stop: 41935, Start Num: 21

Candidate Starts for Zephyr_67:

(9, 42255), (Start: 21 @42228 has 223 MA's), (Start: 32 @42183 has 1 MA's), (36, 42153), (42, 42105), (48, 42063),

Gene: Zetzy_69 Start: 42004, Stop: 41696, Start Num: 11

Candidate Starts for Zetzy_69:

(Start: 11 @42004 has 107 MA's), (Start: 16 @41986 has 8 MA's), (20, 41971), (Start: 28 @41950 has 14 MA's), (35, 41917), (42, 41866), (43, 41857), (46, 41830), (48, 41824), (53, 41791),

Gene: Zeuska_71 Start: 45391, Stop: 45098, Start Num: 21

Candidate Starts for Zeuska_71:

(Start: 21 @45391 has 223 MA's), (Start: 32 @45346 has 1 MA's), (36, 45316), (42, 45268), (48, 45226),