

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 283456 Report

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

Pham number 283456 has 243 members, 27 are drafts.

Phages represented in each track:

- Track 1 : Dulcie_66, Gompeii16_66, Smeagol_68, Peterson_69, Rhynn_62, Carlyle_67, Adahisdi_65, PacerPaul_66, Doom_63, Smairt_68, ChristmasHams_60, Hami1_61, Gachnar_66, SkiPole_74, Bircsak_66, BigPaolini_62, BK1_58, PhrostyMug_66, Francis47_65, BillKnuckles_63, Sagefire_67, Target_69, Marsha_66, Zeuska_71, Agaliana_61, Sunshine924_71, Perseus_64, STLscum_75, Squee_69, Alsfro_72, Manatee_66, EnzoK_66, Scowl_67, Switzer_67, Paraselene_67, Paphu_65, Pepe_64, Tasp14_69, Aeneas_69, ILeeKay_68, Blesser_62, A6_58, KBG_67, Mule_63, Makemake_72, Traft412_69, Lamina13_69, Big3_66
- Track 2 : Pari_70, Dreamboat_68, PherrisBueller_67, Froghopper_63, Jasper_67
- Track 3 : Niza_68, Cueyllyss_65, Tripl3t_70, Michley_70, Parliament_67, Espresso_63, Gandalf20_68
- Track 4 : Teodoridan_65, Marchy_59, Kenmech_70, Dussy_67, Abbyshoes_68, Blackflame_61, Ajay_65, Levia_63, Payneful_63, PhineBark_65, BarrowTuph_67
- Track 5 : Zephyr_67, Tote_62, DrFeelGood_64, Homines_57, Rohr_67, JuliaChild_67, Burton_67, Ichabod_70, DreamCatcher_68, BeesKnees_68, Hope4ever_67, Euphoria_65, Arlo_64, IgnatiusPatJac_66, Jerm2_67, Lockley_65, Bob3_67, Gwendoluna_70, PSullivan_64, Blue_66, Swole_67, MilleFeuille_62, DD5_66, Rufus_68, Petp2012_69, Sibs6_68, Slagathor_68, U2_62, Museum_68, ConceptII_70, Rajelicia_66, Marcell_62, Chanagan_59, NEHalo_63, Bexan_63, Anglerfish_66, Sandaddy_63, StrongArm_64, PinkPlastic_65, Pita2_67, Moose_67, TwoPeat_67, Briton15_70, Mryolo_64, Kugel_70, QTRlifeCrisis_67, RidgeCB_66, MaryBeth_63, BluSpix_64, Lopton_66, SwissCheese_69, TheloniousMonk_70, Sorpresa_64, Pippin_65, CartmannCramer_65, MetalQZJ_62, Ciao_63, Corvo_66, Forsytheast_67, ProMouse_67, Ringer_69, Magnito_67, Killigrew_64, McGuire_66, Dynamix_67, Rubeus_65, Molly_67, PattyP_68, BaconJack_71, HanShotFirst_67, Arcanine_68
- Track 6 : Marco3_72
- Track 7 : Buttons_62, Licorice_66
- Track 8 : Ohno789_67, Applejack_66, Ashballer_69, BPBiabs31_69, Bruns_68, Kanely_67, Altman_68, SpikeBT_64
- Track 9 : Mkhusei_61, Monet_68, Iqorha_61, Magnar_65, Wilkins_64, Topgun_63, JC27_70, Norz_65, Edtherson_64, Marge_62, Inyanga_61, LunarLander_65, Fushigi_61, Oogway_64
- Track 10 : Bones_64, Puppet_63, Eyeball_67
- Track 11 : Sumter_62
- Track 12 : Fajezeel_66, Acme_67, Watermelon_65, Greg_66

- Track 13 : Hermia_63, CatBus_61, Turj99_64, Noxious_62, Aldrich_61, GroundGoblin_62, KikiBouba_63, DirtDevil_63
- Track 14 : Fascinus_61, Maroc7_65, Phlippers_61, Bigfoot_59, Solon_64
- Track 15 : MrGordo_69
- Track 16 : MPlant7149_66, HermioneGrange_68, BigMau_68
- Track 17 : Fenn_72, Naira_71
- Track 18 : Dexes_66
- Track 19 : Atkinbua_69
- Track 20 : Abrogate_660
- Track 21 : JackSparrow_69, CactusRose_67, Crispicous1_63
- Track 22 : HarryOW_63
- Track 23 : Bigchungi_64, McSinger_63, Snazzy_63, ShortQueendom_57
- Track 24 : Treddle_66, Jorgensen_71
- Track 25 : Wheeler_68
- Track 26 : GrecoEtereo_65
- Track 27 : Zeeculate_65
- Track 28 : Pelly_68
- Track 29 : KyMonks1A_70, Gyzlar_61, Thor_65, SarFire_65
- Track 30 : GageAP_67, AFIS_62
- Track 31 : Papez_68, Alvin_65
- Track 32 : Beatrix_65
- Track 33 : GMonster_64
- Track 34 : LilBib_65
- Track 35 : Sanya_62
- Track 36 : Lesedi_62, Trouble_66, Whitspit_61, KSSJEB_65
- Track 37 : Raid_66
- Track 38 : Bethlehem_67
- Track 39 : Pinto_66, StewieG_60, Kykar_67, Petruchio_68
- Track 40 : Barriga_68
- Track 41 : Nhonho_65
- Track 42 : Graduation_71
- Track 43 : Ruotula_72
- Track 44 : PowerRanger_65
- Track 45 : PascalRango_63
- Track 46 : Rutherford_67
- Track 47 : Bxb1_59
- Track 48 : Nerujay_71
- Track 49 : Violet_63

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

The start number called the most often in the published annotations is 7, it was called in 215 of the 216 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, Alsfro_72, Altman_68, Alvin_65, Anglerfish_66, Applejack_66, Arcanine_68, Arlo_64, Ashballer_69, Atkinbua_69, BK1_58, BPBiabs31_69, BaconJack_71, Barriga_68, BarrowTuph_67, Beatrix_65, BeesKnees_68, Bethlehem_67, Bexan_63, Big3_66, BigMau_68, BigPaolini_62, Bigchungi_64,

Bigfoot_59, BillKnuckles_63, Bircsak_66, Blackflame_61, Blesser_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, Crispicious1_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_63, 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_62, Mkhuseleli_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_62, Ohno789_67, Oogway_64, PSullivan_64, PacerPaul_66, Papez_68, 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_63, QTRLifeCrisis_67, Raid_66, Rajelicia_66, Rhynn_62, RidgeCB_66, Ringer_69, Rohr_67, Rubeus_65, Rufus_68, Ruotula_72, Rutherford_67, STLscum_75, Sagefire_67, Sandaddy_63, SarFire_65, Scowl_67, ShortQueendom_57, Sibs6_68, SkiPole_74, Slagathor_68, Smairt_68, Smeagol_68, Snazzy_63, Solon_64, Sorpresa_64, SpikeBT_64, Squee_69, StewieG_60, 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, Sanya_62,

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

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Summary by start number:

Start 7:

- Found in 243 of 243 (100.0%) of genes in pham
- Manual Annotations of this start: 215 of 216
- Called 99.2% of time when present
- Phage (with cluster) where this start called: A6_58 (A1), AFIS_62 (A1), Abbysshoes_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), Alvin_65 (A1), Anglerfish_66 (A1), Applejack_66 (A1), Arcanine_68 (A1), Arlo_64 (A1), Ashballer_69

(A1), Atkinbua_69 (A1), BK1_58 (A1), BPBiabs31_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), Conceptll_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_63 (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_62 (A1), Mkhusei_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_62 (A1), Ohno789_67 (A1), Oogway_64 (A1), PSullivan_64 (A1), PacerPaul_66 (A1), Papez_68 (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), Petruccio_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_63 (A1), QTRLifeCrisis_67 (A1), Raid_66 (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), Rutherford_67 (A1), STLscum_75 (A1), Sagefire_67 (A1), Sandaddy_63 (A1), SarFire_65 (A1), Scowl_67 (A1), ShortQueendom_57 (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_60 (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), Trip13t_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 9:

- Found in 232 of 243 (95.5%) of genes in pham
- Manual Annotations of this start: 1 of 216
- Called 0.9% of time when present
- Phage (with cluster) where this start called: Abrogate_660 (A1), Sanya_62 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 7 was manually annotated 215 times for cluster A1.
- Start number 9 was manually annotated 1 time for cluster A1.

Gene Information:

Gene: A6_58 Start: 40313, Stop: 40020, Start Num: 7

Candidate Starts for A6_58:

(Start: 7 @40313 has 215 MA's), (Start: 9 @40268 has 1 MA's), (10, 40238), (12, 40190), (13, 40148),

Gene: AFIS_62 Start: 41768, Stop: 41475, Start Num: 7

Candidate Starts for AFIS_62:

(1, 42026), (3, 41990), (4, 41795), (Start: 7 @41768 has 215 MA's), (Start: 9 @41723 has 1 MA's), (10, 41693), (11, 41681), (12, 41645), (13, 41603),

Gene: Abbysshoes_68 Start: 43272, Stop: 42979, Start Num: 7

Candidate Starts for Abbysshoes_68:

(Start: 7 @43272 has 215 MA's), (Start: 9 @43227 has 1 MA's), (10, 43197), (12, 43149), (13, 43107),

Gene: Abrogate_660 Start: 44316, Stop: 44068, Start Num: 9

Candidate Starts for Abrogate_660:

(Start: 7 @44361 has 215 MA's), (Start: 9 @44316 has 1 MA's), (12, 44238), (13, 44196),

Gene: Acme_67 Start: 42824, Stop: 42531, Start Num: 7

Candidate Starts for Acme_67:

(4, 42851), (Start: 7 @42824 has 215 MA's), (Start: 9 @42779 has 1 MA's), (10, 42749), (12, 42701), (13, 42659),

Gene: Adahisdi_65 Start: 43768, Stop: 43475, Start Num: 7

Candidate Starts for Adahisdi_65:

(Start: 7 @43768 has 215 MA's), (Start: 9 @43723 has 1 MA's), (10, 43693), (12, 43645), (13, 43603),

Gene: Aeneas_69 Start: 44571, Stop: 44278, Start Num: 7

Candidate Starts for Aeneas_69:

(Start: 7 @44571 has 215 MA's), (Start: 9 @44526 has 1 MA's), (10, 44496), (12, 44448), (13, 44406),

Gene: Agaliana_61 Start: 39647, Stop: 39354, Start Num: 7

Candidate Starts for Agaliana_61:

(Start: 7 @39647 has 215 MA's), (Start: 9 @39602 has 1 MA's), (10, 39572), (12, 39524), (13, 39482),

Gene: Ajay_65 Start: 42714, Stop: 42421, Start Num: 7

Candidate Starts for Ajay_65:

(Start: 7 @42714 has 215 MA's), (Start: 9 @42669 has 1 MA's), (10, 42639), (12, 42591), (13, 42549),

Gene: Aldrich_61 Start: 42001, Stop: 41708, Start Num: 7

Candidate Starts for Aldrich_61:

(4, 42028), (Start: 7 @42001 has 215 MA's), (10, 41926), (12, 41878), (13, 41836),

Gene: Alsfro_72 Start: 43165, Stop: 42872, Start Num: 7

Candidate Starts for Alsfro_72:

(Start: 7 @43165 has 215 MA's), (Start: 9 @43120 has 1 MA's), (10, 43090), (12, 43042), (13, 43000),

Gene: Altman_68 Start: 42803, Stop: 42510, Start Num: 7

Candidate Starts for Altman_68:

(4, 42830), (Start: 7 @42803 has 215 MA's), (Start: 9 @42758 has 1 MA's), (10, 42728), (11, 42716), (12, 42680), (13, 42638),

Gene: Alvin_65 Start: 42599, Stop: 42303, Start Num: 7

Candidate Starts for Alvin_65:

(Start: 7 @42599 has 215 MA's), (12, 42473), (13, 42431),

Gene: Anglerfish_66 Start: 42975, Stop: 42682, Start Num: 7

Candidate Starts for Anglerfish_66:

(4, 43002), (Start: 7 @42975 has 215 MA's), (Start: 9 @42930 has 1 MA's), (10, 42900), (12, 42852), (13, 42810),

Gene: Applejack_66 Start: 41373, Stop: 41080, Start Num: 7

Candidate Starts for Applejack_66:

(4, 41400), (Start: 7 @41373 has 215 MA's), (Start: 9 @41328 has 1 MA's), (10, 41298), (11, 41286), (12, 41250), (13, 41208),

Gene: Arcanine_68 Start: 43699, Stop: 43406, Start Num: 7

Candidate Starts for Arcanine_68:

(4, 43726), (Start: 7 @43699 has 215 MA's), (Start: 9 @43654 has 1 MA's), (10, 43624), (12, 43576), (13, 43534),

Gene: Arlo_64 Start: 42290, Stop: 41997, Start Num: 7

Candidate Starts for Arlo_64:

(4, 42317), (Start: 7 @42290 has 215 MA's), (Start: 9 @42245 has 1 MA's), (10, 42215), (12, 42167), (13, 42125),

Gene: Ashballer_69 Start: 43449, Stop: 43156, Start Num: 7

Candidate Starts for Ashballer_69:

(4, 43476), (Start: 7 @43449 has 215 MA's), (Start: 9 @43404 has 1 MA's), (10, 43374), (11, 43362), (12, 43326), (13, 43284),

Gene: Atkinbua_69 Start: 42674, Stop: 42381, Start Num: 7

Candidate Starts for Atkinbua_69:

(4, 42701), (Start: 7 @42674 has 215 MA's), (Start: 9 @42629 has 1 MA's), (10, 42599), (12, 42551), (13, 42509), (14, 42404),

Gene: BK1_58 Start: 40313, Stop: 40020, Start Num: 7

Candidate Starts for BK1_58:

(Start: 7 @40313 has 215 MA's), (Start: 9 @40268 has 1 MA's), (10, 40238), (12, 40190), (13, 40148),

Gene: BPBiebs31_69 Start: 43396, Stop: 43103, Start Num: 7

Candidate Starts for BPBiebs31_69:

(4, 43423), (Start: 7 @43396 has 215 MA's), (Start: 9 @43351 has 1 MA's), (10, 43321), (11, 43309), (12, 43273), (13, 43231),

Gene: BaconJack_71 Start: 45661, Stop: 45368, Start Num: 7

Candidate Starts for BaconJack_71:

(4, 45688), (Start: 7 @45661 has 215 MA's), (Start: 9 @45616 has 1 MA's), (10, 45586), (12, 45538), (13, 45496),

Gene: Barriga_68 Start: 41452, Stop: 41159, Start Num: 7

Candidate Starts for Barriga_68:

(4, 41479), (Start: 7 @41452 has 215 MA's), (Start: 9 @41407 has 1 MA's), (10, 41377), (11, 41365), (12, 41329), (13, 41287),

Gene: BarrowTuph_67 Start: 42484, Stop: 42191, Start Num: 7

Candidate Starts for BarrowTuph_67:

(Start: 7 @42484 has 215 MA's), (Start: 9 @42439 has 1 MA's), (10, 42409), (12, 42361), (13, 42319),

Gene: Beatrix_65 Start: 43536, Stop: 43243, Start Num: 7

Candidate Starts for Beatrix_65:

(6, 43563), (Start: 7 @43536 has 215 MA's), (Start: 9 @43491 has 1 MA's), (10, 43461), (12, 43413), (13, 43371),

Gene: BeesKnees_68 Start: 42003, Stop: 41710, Start Num: 7

Candidate Starts for BeesKnees_68:

(4, 42030), (Start: 7 @42003 has 215 MA's), (Start: 9 @41958 has 1 MA's), (10, 41928), (12, 41880), (13, 41838),

Gene: Bethlehem_67 Start: 44314, Stop: 44021, Start Num: 7

Candidate Starts for Bethlehem_67:

(6, 44341), (Start: 7 @44314 has 215 MA's), (Start: 9 @44269 has 1 MA's), (10, 44239), (12, 44191), (13, 44149),

Gene: Bexan_63 Start: 43315, Stop: 43022, Start Num: 7

Candidate Starts for Bexan_63:

(4, 43342), (Start: 7 @43315 has 215 MA's), (Start: 9 @43270 has 1 MA's), (10, 43240), (12, 43192), (13, 43150),

Gene: Big3_66 Start: 43783, Stop: 43490, Start Num: 7

Candidate Starts for Big3_66:

(Start: 7 @43783 has 215 MA's), (Start: 9 @43738 has 1 MA's), (10, 43708), (12, 43660), (13, 43618),

Gene: BigMau_68 Start: 43204, Stop: 42911, Start Num: 7

Candidate Starts for BigMau_68:

(2, 43432), (4, 43231), (Start: 7 @43204 has 215 MA's), (Start: 9 @43159 has 1 MA's), (10, 43129), (12, 43081), (13, 43039),

Gene: BigPaolini_62 Start: 40440, Stop: 40147, Start Num: 7

Candidate Starts for BigPaolini_62:

(Start: 7 @40440 has 215 MA's), (Start: 9 @40395 has 1 MA's), (10, 40365), (12, 40317), (13, 40275),

Gene: Bigchungj_64 Start: 42232, Stop: 41939, Start Num: 7

Candidate Starts for Bigchungj_64:

(4, 42259), (Start: 7 @42232 has 215 MA's), (Start: 9 @42187 has 1 MA's), (10, 42157), (12, 42109), (13, 42067),

Gene: Bigfoot_59 Start: 41835, Stop: 41542, Start Num: 7

Candidate Starts for Bigfoot_59:

(4, 41862), (Start: 7 @41835 has 215 MA's), (Start: 9 @41790 has 1 MA's), (10, 41760), (11, 41748), (12, 41712), (13, 41670),

Gene: BillKnuckles_63 Start: 43835, Stop: 43542, Start Num: 7

Candidate Starts for BillKnuckles_63:

(Start: 7 @43835 has 215 MA's), (Start: 9 @43790 has 1 MA's), (10, 43760), (12, 43712), (13, 43670),

Gene: Bircsak_66 Start: 44564, Stop: 44271, Start Num: 7

Candidate Starts for Bircsak_66:

(Start: 7 @44564 has 215 MA's), (Start: 9 @44519 has 1 MA's), (10, 44489), (12, 44441), (13, 44399),

Gene: Blackflame_61 Start: 41979, Stop: 41686, Start Num: 7

Candidate Starts for Blackflame_61:

(Start: 7 @41979 has 215 MA's), (Start: 9 @41934 has 1 MA's), (10, 41904), (12, 41856), (13, 41814),

Gene: Blesser_62 Start: 41585, Stop: 41292, Start Num: 7

Candidate Starts for Blesser_62:

(Start: 7 @41585 has 215 MA's), (Start: 9 @41540 has 1 MA's), (10, 41510), (12, 41462), (13, 41420),

Gene: BluSpix_64 Start: 38419, Stop: 38126, Start Num: 7

Candidate Starts for BluSpix_64:

(4, 38446), (Start: 7 @38419 has 215 MA's), (Start: 9 @38374 has 1 MA's), (10, 38344), (12, 38296), (13, 38254),

Gene: Blue_66 Start: 43535, Stop: 43242, Start Num: 7

Candidate Starts for Blue_66:

(4, 43562), (Start: 7 @43535 has 215 MA's), (Start: 9 @43490 has 1 MA's), (10, 43460), (12, 43412), (13, 43370),

Gene: Bob3_67 Start: 42474, Stop: 42181, Start Num: 7

Candidate Starts for Bob3_67:

(4, 42501), (Start: 7 @42474 has 215 MA's), (Start: 9 @42429 has 1 MA's), (10, 42399), (12, 42351), (13, 42309),

Gene: Bones_64 Start: 43490, Stop: 43197, Start Num: 7

Candidate Starts for Bones_64:

(5, 43526), (Start: 7 @43490 has 215 MA's), (Start: 9 @43445 has 1 MA's), (10, 43415), (12, 43367), (13, 43325),

Gene: Briton15_70 Start: 44278, Stop: 43985, Start Num: 7

Candidate Starts for Briton15_70:

(4, 44305), (Start: 7 @44278 has 215 MA's), (Start: 9 @44233 has 1 MA's), (10, 44203), (12, 44155), (13, 44113),

Gene: Bruns_68 Start: 42415, Stop: 42122, Start Num: 7

Candidate Starts for Bruns_68:

(4, 42442), (Start: 7 @42415 has 215 MA's), (Start: 9 @42370 has 1 MA's), (10, 42340), (11, 42328), (12, 42292), (13, 42250),

Gene: Burton_67 Start: 44237, Stop: 43944, Start Num: 7

Candidate Starts for Burton_67:

(4, 44264), (Start: 7 @44237 has 215 MA's), (Start: 9 @44192 has 1 MA's), (10, 44162), (12, 44114), (13, 44072),

Gene: Buttons_62 Start: 39954, Stop: 39661, Start Num: 7

Candidate Starts for Buttons_62:

(4, 39981), (Start: 7 @39954 has 215 MA's), (Start: 9 @39909 has 1 MA's), (10, 39879), (12, 39831), (13, 39789),

Gene: Bxb1_59 Start: 41067, Stop: 40774, Start Num: 7

Candidate Starts for Bxb1_59:

(4, 41094), (Start: 7 @41067 has 215 MA's), (Start: 9 @41022 has 1 MA's), (10, 40992), (11, 40980), (12, 40944), (13, 40902),

Gene: CactusRose_67 Start: 42855, Stop: 42562, Start Num: 7

Candidate Starts for CactusRose_67:

(4, 42882), (Start: 7 @42855 has 215 MA's), (Start: 9 @42810 has 1 MA's), (10, 42780), (12, 42732), (13, 42690),

Gene: Carlyle_67 Start: 41641, Stop: 41348, Start Num: 7

Candidate Starts for Carlyle_67:

(Start: 7 @41641 has 215 MA's), (Start: 9 @41596 has 1 MA's), (10, 41566), (12, 41518), (13, 41476),

Gene: CartmannCramer_65 Start: 44511, Stop: 44218, Start Num: 7

Candidate Starts for CartmannCramer_65:

(4, 44538), (Start: 7 @44511 has 215 MA's), (Start: 9 @44466 has 1 MA's), (10, 44436), (12, 44388), (13, 44346),

Gene: CatBus_61 Start: 42193, Stop: 41900, Start Num: 7

Candidate Starts for CatBus_61:

(4, 42220), (Start: 7 @42193 has 215 MA's), (10, 42118), (12, 42070), (13, 42028),

Gene: Chanagan_59 Start: 40048, Stop: 39755, Start Num: 7

Candidate Starts for Chanagan_59:

(4, 40075), (Start: 7 @40048 has 215 MA's), (Start: 9 @40003 has 1 MA's), (10, 39973), (12, 39925), (13, 39883),

Gene: ChristmasHams_60 Start: 40214, Stop: 39921, Start Num: 7

Candidate Starts for ChristmasHams_60:

(Start: 7 @40214 has 215 MA's), (Start: 9 @40169 has 1 MA's), (10, 40139), (12, 40091), (13, 40049),

Gene: Ciao_63 Start: 41412, Stop: 41119, Start Num: 7

Candidate Starts for Ciao_63:

(4, 41439), (Start: 7 @41412 has 215 MA's), (Start: 9 @41367 has 1 MA's), (10, 41337), (12, 41289), (13, 41247),

Gene: ConceptII_70 Start: 44031, Stop: 43738, Start Num: 7

Candidate Starts for ConceptII_70:

(4, 44058), (Start: 7 @44031 has 215 MA's), (Start: 9 @43986 has 1 MA's), (10, 43956), (12, 43908), (13, 43866),

Gene: Corvo_66 Start: 43343, Stop: 43050, Start Num: 7

Candidate Starts for Corvo_66:

(4, 43370), (Start: 7 @43343 has 215 MA's), (Start: 9 @43298 has 1 MA's), (10, 43268), (12, 43220), (13, 43178),

Gene: Crispicious1_63 Start: 41754, Stop: 41461, Start Num: 7

Candidate Starts for Crispicious1_63:

(4, 41781), (Start: 7 @41754 has 215 MA's), (Start: 9 @41709 has 1 MA's), (10, 41679), (12, 41631), (13, 41589),

Gene: Cueyllyss_65 Start: 43690, Stop: 43397, Start Num: 7

Candidate Starts for Cueyllyss_65:

(Start: 7 @43690 has 215 MA's), (Start: 9 @43645 has 1 MA's), (10, 43615), (11, 43603), (12, 43567), (13, 43525),

Gene: DD5_66 Start: 43578, Stop: 43285, Start Num: 7

Candidate Starts for DD5_66:

(4, 43605), (Start: 7 @43578 has 215 MA's), (Start: 9 @43533 has 1 MA's), (10, 43503), (12, 43455), (13, 43413),

Gene: Dexes_66 Start: 43299, Stop: 43006, Start Num: 7

Candidate Starts for Dexes_66:

(Start: 7 @43299 has 215 MA's), (Start: 9 @43254 has 1 MA's), (12, 43176), (13, 43134),

Gene: DirtDevil_63 Start: 42001, Stop: 41708, Start Num: 7

Candidate Starts for DirtDevil_63:

(4, 42028), (Start: 7 @42001 has 215 MA's), (10, 41926), (12, 41878), (13, 41836),

Gene: Doom_63 Start: 42899, Stop: 42606, Start Num: 7

Candidate Starts for Doom_63:

(Start: 7 @42899 has 215 MA's), (Start: 9 @42854 has 1 MA's), (10, 42824), (12, 42776), (13, 42734),

Gene: DrFeelGood_64 Start: 41833, Stop: 41540, Start Num: 7

Candidate Starts for DrFeelGood_64:

(4, 41860), (Start: 7 @41833 has 215 MA's), (Start: 9 @41788 has 1 MA's), (10, 41758), (12, 41710), (13, 41668),

Gene: DreamCatcher_68 Start: 42983, Stop: 42690, Start Num: 7

Candidate Starts for DreamCatcher_68:

(4, 43010), (Start: 7 @42983 has 215 MA's), (Start: 9 @42938 has 1 MA's), (10, 42908), (12, 42860), (13, 42818),

Gene: Dreamboat_68 Start: 42073, Stop: 41780, Start Num: 7

Candidate Starts for Dreamboat_68:

(4, 42100), (Start: 7 @42073 has 215 MA's), (Start: 9 @42028 has 1 MA's), (10, 41998), (12, 41950), (13, 41908),

Gene: Dulcie_66 Start: 44308, Stop: 44015, Start Num: 7

Candidate Starts for Dulcie_66:

(Start: 7 @44308 has 215 MA's), (Start: 9 @44263 has 1 MA's), (10, 44233), (12, 44185), (13, 44143),

Gene: Dussy_67 Start: 43292, Stop: 42999, Start Num: 7
Candidate Starts for Dussy_67:
(Start: 7 @43292 has 215 MA's), (Start: 9 @43247 has 1 MA's), (10, 43217), (12, 43169), (13, 43127),

Gene: Dynamix_67 Start: 41907, Stop: 41614, Start Num: 7
Candidate Starts for Dynamix_67:
(4, 41934), (Start: 7 @41907 has 215 MA's), (Start: 9 @41862 has 1 MA's), (10, 41832), (12, 41784),
(13, 41742),

Gene: Edtherson_64 Start: 42893, Stop: 42600, Start Num: 7
Candidate Starts for Edtherson_64:
(4, 42920), (Start: 7 @42893 has 215 MA's), (Start: 9 @42848 has 1 MA's), (10, 42818), (12, 42770),
(13, 42728),

Gene: EnzoK_66 Start: 40168, Stop: 39875, Start Num: 7
Candidate Starts for EnzoK_66:
(Start: 7 @40168 has 215 MA's), (Start: 9 @40123 has 1 MA's), (10, 40093), (12, 40045), (13, 40003),

Gene: Espresso_63 Start: 42517, Stop: 42224, Start Num: 7
Candidate Starts for Espresso_63:
(Start: 7 @42517 has 215 MA's), (Start: 9 @42472 has 1 MA's), (10, 42442), (11, 42430), (12, 42394),
(13, 42352),

Gene: Euphoria_65 Start: 42359, Stop: 42066, Start Num: 7
Candidate Starts for Euphoria_65:
(4, 42386), (Start: 7 @42359 has 215 MA's), (Start: 9 @42314 has 1 MA's), (10, 42284), (12, 42236),
(13, 42194),

Gene: Eyeball_67 Start: 43398, Stop: 43105, Start Num: 7
Candidate Starts for Eyeball_67:
(5, 43434), (Start: 7 @43398 has 215 MA's), (Start: 9 @43353 has 1 MA's), (10, 43323), (12, 43275),
(13, 43233),

Gene: Fajezeel_66 Start: 42114, Stop: 41821, Start Num: 7
Candidate Starts for Fajezeel_66:
(4, 42141), (Start: 7 @42114 has 215 MA's), (Start: 9 @42069 has 1 MA's), (10, 42039), (12, 41991),
(13, 41949),

Gene: Fascinus_61 Start: 42349, Stop: 42056, Start Num: 7
Candidate Starts for Fascinus_61:
(4, 42376), (Start: 7 @42349 has 215 MA's), (Start: 9 @42304 has 1 MA's), (10, 42274), (11, 42262),
(12, 42226), (13, 42184),

Gene: Fenn_72 Start: 44750, Stop: 44457, Start Num: 7
Candidate Starts for Fenn_72:
(4, 44795), (6, 44777), (Start: 7 @44750 has 215 MA's), (Start: 9 @44705 has 1 MA's), (10, 44675),
(12, 44627), (13, 44585),

Gene: Forsytheast_67 Start: 42412, Stop: 42119, Start Num: 7
Candidate Starts for Forsytheast_67:
(4, 42439), (Start: 7 @42412 has 215 MA's), (Start: 9 @42367 has 1 MA's), (10, 42337), (12, 42289),
(13, 42247),

Gene: Francis47_65 Start: 43491, Stop: 43198, Start Num: 7
Candidate Starts for Francis47_65:
(Start: 7 @43491 has 215 MA's), (Start: 9 @43446 has 1 MA's), (10, 43416), (12, 43368), (13, 43326),

Gene: Froghopper_63 Start: 41471, Stop: 41178, Start Num: 7
Candidate Starts for Froghopper_63:
(4, 41498), (Start: 7 @41471 has 215 MA's), (Start: 9 @41426 has 1 MA's), (10, 41396), (12, 41348),
(13, 41306),

Gene: Fushigi_61 Start: 40434, Stop: 40141, Start Num: 7
Candidate Starts for Fushigi_61:
(4, 40461), (Start: 7 @40434 has 215 MA's), (Start: 9 @40389 has 1 MA's), (10, 40359), (12, 40311),
(13, 40269),

Gene: GMonster_64 Start: 42254, Stop: 41961, Start Num: 7
Candidate Starts for GMonster_64:
(4, 42281), (Start: 7 @42254 has 215 MA's), (Start: 9 @42209 has 1 MA's), (10, 42179), (12, 42131),

Gene: Gachnar_66 Start: 42948, Stop: 42655, Start Num: 7
Candidate Starts for Gachnar_66:
(Start: 7 @42948 has 215 MA's), (Start: 9 @42903 has 1 MA's), (10, 42873), (12, 42825), (13, 42783),

Gene: GageAP_67 Start: 43435, Stop: 43142, Start Num: 7
Candidate Starts for GageAP_67:
(1, 43693), (3, 43657), (4, 43462), (Start: 7 @43435 has 215 MA's), (Start: 9 @43390 has 1 MA's), (10,
43360), (11, 43348), (12, 43312), (13, 43270),

Gene: Gandalf20_68 Start: 43802, Stop: 43509, Start Num: 7
Candidate Starts for Gandalf20_68:
(Start: 7 @43802 has 215 MA's), (Start: 9 @43757 has 1 MA's), (10, 43727), (11, 43715), (12, 43679),
(13, 43637),

Gene: Gompeii16_66 Start: 44565, Stop: 44272, Start Num: 7
Candidate Starts for Gompeii16_66:
(Start: 7 @44565 has 215 MA's), (Start: 9 @44520 has 1 MA's), (10, 44490), (12, 44442), (13, 44400),

Gene: Graduation_71 Start: 44181, Stop: 43888, Start Num: 7
Candidate Starts for Graduation_71:
(4, 44208), (Start: 7 @44181 has 215 MA's), (Start: 9 @44136 has 1 MA's), (10, 44106), (11, 44094),
(12, 44058), (13, 44016),

Gene: GrecoEtereo_65 Start: 41688, Stop: 41395, Start Num: 7
Candidate Starts for GrecoEtereo_65:
(4, 41715), (Start: 7 @41688 has 215 MA's), (Start: 9 @41643 has 1 MA's), (10, 41613), (12, 41565),
(13, 41523),

Gene: Greg_66 Start: 42114, Stop: 41821, Start Num: 7
Candidate Starts for Greg_66:
(4, 42141), (Start: 7 @42114 has 215 MA's), (Start: 9 @42069 has 1 MA's), (10, 42039), (12, 41991),
(13, 41949),

Gene: GroundGoblin_62 Start: 42143, Stop: 41850, Start Num: 7

Candidate Starts for GroundGoblin_62:

(4, 42170), (Start: 7 @42143 has 215 MA's), (10, 42068), (12, 42020), (13, 41978),

Gene: Gwendoluna_70 Start: 44629, Stop: 44336, Start Num: 7

Candidate Starts for Gwendoluna_70:

(4, 44656), (Start: 7 @44629 has 215 MA's), (Start: 9 @44584 has 1 MA's), (10, 44554), (12, 44506), (13, 44464),

Gene: Gyzlar_61 Start: 40384, Stop: 40091, Start Num: 7

Candidate Starts for Gyzlar_61:

(4, 40411), (Start: 7 @40384 has 215 MA's), (Start: 9 @40339 has 1 MA's), (12, 40261), (13, 40219),

Gene: Hami1_61 Start: 38461, Stop: 38168, Start Num: 7

Candidate Starts for Hami1_61:

(Start: 7 @38461 has 215 MA's), (Start: 9 @38416 has 1 MA's), (10, 38386), (12, 38338), (13, 38296),

Gene: HanShotFirst_67 Start: 44227, Stop: 43934, Start Num: 7

Candidate Starts for HanShotFirst_67:

(4, 44254), (Start: 7 @44227 has 215 MA's), (Start: 9 @44182 has 1 MA's), (10, 44152), (12, 44104), (13, 44062),

Gene: HarryOW_63 Start: 42195, Stop: 41902, Start Num: 7

Candidate Starts for HarryOW_63:

(4, 42222), (Start: 7 @42195 has 215 MA's), (10, 42120), (12, 42072), (13, 42030),

Gene: Hermia_63 Start: 42193, Stop: 41900, Start Num: 7

Candidate Starts for Hermia_63:

(4, 42220), (Start: 7 @42193 has 215 MA's), (10, 42118), (12, 42070), (13, 42028),

Gene: HermioneGrange_68 Start: 43698, Stop: 43405, Start Num: 7

Candidate Starts for HermioneGrange_68:

(2, 43926), (4, 43725), (Start: 7 @43698 has 215 MA's), (Start: 9 @43653 has 1 MA's), (10, 43623), (12, 43575), (13, 43533),

Gene: Homines_57 Start: 38523, Stop: 38230, Start Num: 7

Candidate Starts for Homines_57:

(4, 38550), (Start: 7 @38523 has 215 MA's), (Start: 9 @38478 has 1 MA's), (10, 38448), (12, 38400), (13, 38358),

Gene: Hope4ever_67 Start: 42682, Stop: 42389, Start Num: 7

Candidate Starts for Hope4ever_67:

(4, 42709), (Start: 7 @42682 has 215 MA's), (Start: 9 @42637 has 1 MA's), (10, 42607), (12, 42559), (13, 42517),

Gene: ILeeKay_68 Start: 42579, Stop: 42286, Start Num: 7

Candidate Starts for ILeeKay_68:

(Start: 7 @42579 has 215 MA's), (Start: 9 @42534 has 1 MA's), (10, 42504), (12, 42456), (13, 42414),

Gene: Ichabod_70 Start: 43792, Stop: 43499, Start Num: 7

Candidate Starts for Ichabod_70:

(4, 43819), (Start: 7 @43792 has 215 MA's), (Start: 9 @43747 has 1 MA's), (10, 43717), (12, 43669), (13, 43627),

Gene: IgnatiusPatJac_66 Start: 42364, Stop: 42071, Start Num: 7
Candidate Starts for IgnatiusPatJac_66:
(4, 42391), (Start: 7 @42364 has 215 MA's), (Start: 9 @42319 has 1 MA's), (10, 42289), (12, 42241),
(13, 42199),

Gene: Inyanga_61 Start: 42487, Stop: 42194, Start Num: 7
Candidate Starts for Inyanga_61:
(4, 42514), (Start: 7 @42487 has 215 MA's), (Start: 9 @42442 has 1 MA's), (10, 42412), (12, 42364),
(13, 42322),

Gene: Iqorha_61 Start: 42486, Stop: 42193, Start Num: 7
Candidate Starts for Iqorha_61:
(4, 42513), (Start: 7 @42486 has 215 MA's), (Start: 9 @42441 has 1 MA's), (10, 42411), (12, 42363),
(13, 42321),

Gene: JC27_70 Start: 43426, Stop: 43133, Start Num: 7
Candidate Starts for JC27_70:
(4, 43453), (Start: 7 @43426 has 215 MA's), (Start: 9 @43381 has 1 MA's), (10, 43351), (12, 43303),
(13, 43261),

Gene: JackSparrow_69 Start: 42909, Stop: 42616, Start Num: 7
Candidate Starts for JackSparrow_69:
(4, 42936), (Start: 7 @42909 has 215 MA's), (Start: 9 @42864 has 1 MA's), (10, 42834), (12, 42786),
(13, 42744),

Gene: Jasper_67 Start: 41959, Stop: 41666, Start Num: 7
Candidate Starts for Jasper_67:
(4, 41986), (Start: 7 @41959 has 215 MA's), (Start: 9 @41914 has 1 MA's), (10, 41884), (12, 41836),
(13, 41794),

Gene: Jerm2_67 Start: 43768, Stop: 43475, Start Num: 7
Candidate Starts for Jerm2_67:
(4, 43795), (Start: 7 @43768 has 215 MA's), (Start: 9 @43723 has 1 MA's), (10, 43693), (12, 43645),
(13, 43603),

Gene: Jorgensen_71 Start: 43337, Stop: 43044, Start Num: 7
Candidate Starts for Jorgensen_71:
(4, 43364), (Start: 7 @43337 has 215 MA's), (Start: 9 @43292 has 1 MA's), (10, 43262), (11, 43250),
(12, 43214), (13, 43172),

Gene: JuliaChild_67 Start: 43013, Stop: 42720, Start Num: 7
Candidate Starts for JuliaChild_67:
(4, 43040), (Start: 7 @43013 has 215 MA's), (Start: 9 @42968 has 1 MA's), (10, 42938), (12, 42890),
(13, 42848),

Gene: KBG_67 Start: 44545, Stop: 44252, Start Num: 7
Candidate Starts for KBG_67:
(Start: 7 @44545 has 215 MA's), (Start: 9 @44500 has 1 MA's), (10, 44470), (12, 44422), (13, 44380),

Gene: KSSJEB_65 Start: 41821, Stop: 41528, Start Num: 7
Candidate Starts for KSSJEB_65:
(Start: 7 @41821 has 215 MA's), (Start: 9 @41776 has 1 MA's), (10, 41746), (12, 41698), (13, 41656),

Gene: Kanely_67 Start: 42580, Stop: 42287, Start Num: 7

Candidate Starts for Kanely_67:

(4, 42607), (Start: 7 @42580 has 215 MA's), (Start: 9 @42535 has 1 MA's), (10, 42505), (11, 42493), (12, 42457), (13, 42415),

Gene: Kenmech_70 Start: 44418, Stop: 44125, Start Num: 7

Candidate Starts for Kenmech_70:

(Start: 7 @44418 has 215 MA's), (Start: 9 @44373 has 1 MA's), (10, 44343), (12, 44295), (13, 44253),

Gene: KikiBouba_63 Start: 42002, Stop: 41709, Start Num: 7

Candidate Starts for KikiBouba_63:

(4, 42029), (Start: 7 @42002 has 215 MA's), (10, 41927), (12, 41879), (13, 41837),

Gene: Killigrew_64 Start: 42625, Stop: 42332, Start Num: 7

Candidate Starts for Killigrew_64:

(4, 42652), (Start: 7 @42625 has 215 MA's), (Start: 9 @42580 has 1 MA's), (10, 42550), (12, 42502), (13, 42460),

Gene: Kugel_70 Start: 44438, Stop: 44145, Start Num: 7

Candidate Starts for Kugel_70:

(4, 44465), (Start: 7 @44438 has 215 MA's), (Start: 9 @44393 has 1 MA's), (10, 44363), (12, 44315), (13, 44273),

Gene: KyMonks1A_70 Start: 42786, Stop: 42493, Start Num: 7

Candidate Starts for KyMonks1A_70:

(4, 42813), (Start: 7 @42786 has 215 MA's), (Start: 9 @42741 has 1 MA's), (12, 42663), (13, 42621),

Gene: Kykar_67 Start: 43161, Stop: 42868, Start Num: 7

Candidate Starts for Kykar_67:

(1, 43419), (3, 43383), (4, 43188), (Start: 7 @43161 has 215 MA's), (Start: 9 @43116 has 1 MA's), (10, 43086), (12, 43038), (13, 42996),

Gene: Lamina13_69 Start: 43778, Stop: 43485, Start Num: 7

Candidate Starts for Lamina13_69:

(Start: 7 @43778 has 215 MA's), (Start: 9 @43733 has 1 MA's), (10, 43703), (12, 43655), (13, 43613),

Gene: Lesedi_62 Start: 40853, Stop: 40560, Start Num: 7

Candidate Starts for Lesedi_62:

(Start: 7 @40853 has 215 MA's), (Start: 9 @40808 has 1 MA's), (10, 40778), (12, 40730), (13, 40688),

Gene: Levia_63 Start: 41770, Stop: 41477, Start Num: 7

Candidate Starts for Levia_63:

(Start: 7 @41770 has 215 MA's), (Start: 9 @41725 has 1 MA's), (10, 41695), (12, 41647), (13, 41605),

Gene: Licorice_66 Start: 43887, Stop: 43594, Start Num: 7

Candidate Starts for Licorice_66:

(4, 43914), (Start: 7 @43887 has 215 MA's), (Start: 9 @43842 has 1 MA's), (10, 43812), (12, 43764), (13, 43722),

Gene: LilBib_65 Start: 43871, Stop: 43578, Start Num: 7

Candidate Starts for LilBib_65:

(Start: 7 @43871 has 215 MA's), (Start: 9 @43826 has 1 MA's), (10, 43796), (12, 43748), (13, 43706),

Gene: Lockley_65 Start: 42740, Stop: 42447, Start Num: 7

Candidate Starts for Lockley_65:

(4, 42767), (Start: 7 @42740 has 215 MA's), (Start: 9 @42695 has 1 MA's), (10, 42665), (12, 42617), (13, 42575),

Gene: Lopton_66 Start: 44440, Stop: 44147, Start Num: 7

Candidate Starts for Lopton_66:

(4, 44467), (Start: 7 @44440 has 215 MA's), (Start: 9 @44395 has 1 MA's), (10, 44365), (12, 44317), (13, 44275),

Gene: LunarLander_65 Start: 43066, Stop: 42773, Start Num: 7

Candidate Starts for LunarLander_65:

(4, 43093), (Start: 7 @43066 has 215 MA's), (Start: 9 @43021 has 1 MA's), (10, 42991), (12, 42943), (13, 42901),

Gene: MPlant7149_66 Start: 41586, Stop: 41293, Start Num: 7

Candidate Starts for MPlant7149_66:

(2, 41814), (4, 41613), (Start: 7 @41586 has 215 MA's), (Start: 9 @41541 has 1 MA's), (10, 41511), (12, 41463), (13, 41421),

Gene: Magnar_65 Start: 42659, Stop: 42366, Start Num: 7

Candidate Starts for Magnar_65:

(4, 42686), (Start: 7 @42659 has 215 MA's), (Start: 9 @42614 has 1 MA's), (10, 42584), (12, 42536), (13, 42494),

Gene: Magnito_67 Start: 42855, Stop: 42562, Start Num: 7

Candidate Starts for Magnito_67:

(4, 42882), (Start: 7 @42855 has 215 MA's), (Start: 9 @42810 has 1 MA's), (10, 42780), (12, 42732), (13, 42690),

Gene: Makemake_72 Start: 44876, Stop: 44583, Start Num: 7

Candidate Starts for Makemake_72:

(Start: 7 @44876 has 215 MA's), (Start: 9 @44831 has 1 MA's), (10, 44801), (12, 44753), (13, 44711),

Gene: Manatee_66 Start: 42327, Stop: 42034, Start Num: 7

Candidate Starts for Manatee_66:

(Start: 7 @42327 has 215 MA's), (Start: 9 @42282 has 1 MA's), (10, 42252), (12, 42204), (13, 42162),

Gene: Marcell_62 Start: 41366, Stop: 41073, Start Num: 7

Candidate Starts for Marcell_62:

(4, 41393), (Start: 7 @41366 has 215 MA's), (Start: 9 @41321 has 1 MA's), (10, 41291), (12, 41243), (13, 41201),

Gene: Marchy_59 Start: 39104, Stop: 38811, Start Num: 7

Candidate Starts for Marchy_59:

(Start: 7 @39104 has 215 MA's), (Start: 9 @39059 has 1 MA's), (10, 39029), (12, 38981), (13, 38939),

Gene: Marco3_72 Start: 45164, Stop: 44871, Start Num: 7

Candidate Starts for Marco3_72:

(Start: 7 @45164 has 215 MA's), (Start: 9 @45119 has 1 MA's), (10, 45089), (12, 45041), (13, 44999),

Gene: Marge_62 Start: 41896, Stop: 41603, Start Num: 7

Candidate Starts for Marge_62:

(4, 41923), (Start: 7 @41896 has 215 MA's), (Start: 9 @41851 has 1 MA's), (10, 41821), (12, 41773), (13, 41731),

Gene: Maroc7_65 Start: 43339, Stop: 43046, Start Num: 7

Candidate Starts for Maroc7_65:

(4, 43366), (Start: 7 @43339 has 215 MA's), (Start: 9 @43294 has 1 MA's), (10, 43264), (11, 43252), (12, 43216), (13, 43174),

Gene: Marsha_66 Start: 43889, Stop: 43596, Start Num: 7

Candidate Starts for Marsha_66:

(Start: 7 @43889 has 215 MA's), (Start: 9 @43844 has 1 MA's), (10, 43814), (12, 43766), (13, 43724),

Gene: MaryBeth_63 Start: 42720, Stop: 42427, Start Num: 7

Candidate Starts for MaryBeth_63:

(4, 42747), (Start: 7 @42720 has 215 MA's), (Start: 9 @42675 has 1 MA's), (10, 42645), (12, 42597), (13, 42555),

Gene: McGuire_66 Start: 41690, Stop: 41397, Start Num: 7

Candidate Starts for McGuire_66:

(4, 41717), (Start: 7 @41690 has 215 MA's), (Start: 9 @41645 has 1 MA's), (10, 41615), (12, 41567), (13, 41525),

Gene: McSinger_63 Start: 41639, Stop: 41346, Start Num: 7

Candidate Starts for McSinger_63:

(4, 41666), (Start: 7 @41639 has 215 MA's), (Start: 9 @41594 has 1 MA's), (10, 41564), (12, 41516), (13, 41474),

Gene: MetalQZJ_62 Start: 42720, Stop: 42427, Start Num: 7

Candidate Starts for MetalQZJ_62:

(4, 42747), (Start: 7 @42720 has 215 MA's), (Start: 9 @42675 has 1 MA's), (10, 42645), (12, 42597), (13, 42555),

Gene: Michley_70 Start: 43281, Stop: 42988, Start Num: 7

Candidate Starts for Michley_70:

(Start: 7 @43281 has 215 MA's), (Start: 9 @43236 has 1 MA's), (10, 43206), (11, 43194), (12, 43158), (13, 43116),

Gene: MilleFeuille_62 Start: 42452, Stop: 42159, Start Num: 7

Candidate Starts for MilleFeuille_62:

(4, 42479), (Start: 7 @42452 has 215 MA's), (Start: 9 @42407 has 1 MA's), (10, 42377), (12, 42329), (13, 42287),

Gene: Mkhuseli_61 Start: 40758, Stop: 40465, Start Num: 7

Candidate Starts for Mkhuseli_61:

(4, 40785), (Start: 7 @40758 has 215 MA's), (Start: 9 @40713 has 1 MA's), (10, 40683), (12, 40635), (13, 40593),

Gene: Molly_67 Start: 42963, Stop: 42670, Start Num: 7

Candidate Starts for Molly_67:

(4, 42990), (Start: 7 @42963 has 215 MA's), (Start: 9 @42918 has 1 MA's), (10, 42888), (12, 42840), (13, 42798),

Gene: Monet_68 Start: 44284, Stop: 43991, Start Num: 7

Candidate Starts for Monet_68:

(4, 44311), (Start: 7 @44284 has 215 MA's), (Start: 9 @44239 has 1 MA's), (10, 44209), (12, 44161), (13, 44119),

Gene: Moose_67 Start: 42412, Stop: 42119, Start Num: 7

Candidate Starts for Moose_67:

(4, 42439), (Start: 7 @42412 has 215 MA's), (Start: 9 @42367 has 1 MA's), (10, 42337), (12, 42289), (13, 42247),

Gene: MrGordo_69 Start: 43202, Stop: 42909, Start Num: 7

Candidate Starts for MrGordo_69:

(Start: 7 @43202 has 215 MA's), (Start: 9 @43157 has 1 MA's), (10, 43127), (12, 43079),

Gene: Mryolo_64 Start: 42236, Stop: 41943, Start Num: 7

Candidate Starts for Mryolo_64:

(4, 42263), (Start: 7 @42236 has 215 MA's), (Start: 9 @42191 has 1 MA's), (10, 42161), (12, 42113), (13, 42071),

Gene: Mule_63 Start: 41944, Stop: 41651, Start Num: 7

Candidate Starts for Mule_63:

(Start: 7 @41944 has 215 MA's), (Start: 9 @41899 has 1 MA's), (10, 41869), (12, 41821), (13, 41779),

Gene: Museum_68 Start: 44182, Stop: 43889, Start Num: 7

Candidate Starts for Museum_68:

(4, 44209), (Start: 7 @44182 has 215 MA's), (Start: 9 @44137 has 1 MA's), (10, 44107), (12, 44059), (13, 44017),

Gene: NEHalo_63 Start: 42836, Stop: 42543, Start Num: 7

Candidate Starts for NEHalo_63:

(4, 42863), (Start: 7 @42836 has 215 MA's), (Start: 9 @42791 has 1 MA's), (10, 42761), (12, 42713), (13, 42671),

Gene: Naira_71 Start: 44806, Stop: 44513, Start Num: 7

Candidate Starts for Naira_71:

(4, 44851), (6, 44833), (Start: 7 @44806 has 215 MA's), (Start: 9 @44761 has 1 MA's), (10, 44731), (12, 44683), (13, 44641),

Gene: Nerujay_71 Start: 44385, Stop: 44092, Start Num: 7

Candidate Starts for Nerujay_71:

(4, 44412), (Start: 7 @44385 has 215 MA's), (Start: 9 @44340 has 1 MA's), (10, 44310), (12, 44262), (13, 44220),

Gene: Nhonho_65 Start: 43327, Stop: 43034, Start Num: 7

Candidate Starts for Nhonho_65:

(4, 43354), (Start: 7 @43327 has 215 MA's), (Start: 9 @43282 has 1 MA's), (10, 43252), (11, 43240), (12, 43204), (13, 43162),

Gene: Niza_68 Start: 44472, Stop: 44179, Start Num: 7

Candidate Starts for Niza_68:

(Start: 7 @44472 has 215 MA's), (Start: 9 @44427 has 1 MA's), (10, 44397), (11, 44385), (12, 44349), (13, 44307),

Gene: Norz_65 Start: 44712, Stop: 44419, Start Num: 7

Candidate Starts for Norz_65:

(4, 44739), (Start: 7 @44712 has 215 MA's), (Start: 9 @44667 has 1 MA's), (10, 44637), (12, 44589), (13, 44547),

Gene: Noxious_62 Start: 42193, Stop: 41900, Start Num: 7

Candidate Starts for Noxious_62:

(4, 42220), (Start: 7 @42193 has 215 MA's), (10, 42118), (12, 42070), (13, 42028),

Gene: Ohno789_67 Start: 43300, Stop: 43007, Start Num: 7

Candidate Starts for Ohno789_67:

(4, 43327), (Start: 7 @43300 has 215 MA's), (Start: 9 @43255 has 1 MA's), (10, 43225), (11, 43213), (12, 43177), (13, 43135),

Gene: Oogway_64 Start: 43355, Stop: 43062, Start Num: 7

Candidate Starts for Oogway_64:

(4, 43382), (Start: 7 @43355 has 215 MA's), (Start: 9 @43310 has 1 MA's), (10, 43280), (12, 43232), (13, 43190),

Gene: PSullivan_64 Start: 41080, Stop: 40787, Start Num: 7

Candidate Starts for PSullivan_64:

(4, 41107), (Start: 7 @41080 has 215 MA's), (Start: 9 @41035 has 1 MA's), (10, 41005), (12, 40957), (13, 40915),

Gene: PacerPaul_66 Start: 42858, Stop: 42565, Start Num: 7

Candidate Starts for PacerPaul_66:

(Start: 7 @42858 has 215 MA's), (Start: 9 @42813 has 1 MA's), (10, 42783), (12, 42735), (13, 42693),

Gene: Papez_68 Start: 44027, Stop: 43731, Start Num: 7

Candidate Starts for Papez_68:

(Start: 7 @44027 has 215 MA's), (12, 43901), (13, 43859),

Gene: Paphu_65 Start: 43166, Stop: 42873, Start Num: 7

Candidate Starts for Paphu_65:

(Start: 7 @43166 has 215 MA's), (Start: 9 @43121 has 1 MA's), (10, 43091), (12, 43043), (13, 43001),

Gene: Paraselene_67 Start: 43668, Stop: 43375, Start Num: 7

Candidate Starts for Paraselene_67:

(Start: 7 @43668 has 215 MA's), (Start: 9 @43623 has 1 MA's), (10, 43593), (12, 43545), (13, 43503),

Gene: Pari_70 Start: 42376, Stop: 42083, Start Num: 7

Candidate Starts for Pari_70:

(4, 42403), (Start: 7 @42376 has 215 MA's), (Start: 9 @42331 has 1 MA's), (10, 42301), (12, 42253), (13, 42211),

Gene: Parliament_67 Start: 44958, Stop: 44665, Start Num: 7

Candidate Starts for Parliament_67:

(Start: 7 @44958 has 215 MA's), (Start: 9 @44913 has 1 MA's), (10, 44883), (11, 44871), (12, 44835), (13, 44793),

Gene: PascalRango_63 Start: 42153, Stop: 41860, Start Num: 7

Candidate Starts for PascalRango_63:

(4, 42180), (Start: 7 @42153 has 215 MA's), (Start: 9 @42108 has 1 MA's), (10, 42078), (12, 42030), (13, 41988),

Gene: PattyP_68 Start: 43888, Stop: 43595, Start Num: 7

Candidate Starts for PattyP_68:

(4, 43915), (Start: 7 @43888 has 215 MA's), (Start: 9 @43843 has 1 MA's), (10, 43813), (12, 43765), (13, 43723),

Gene: Payneful_63 Start: 41821, Stop: 41528, Start Num: 7

Candidate Starts for Payneful_63:

(Start: 7 @41821 has 215 MA's), (Start: 9 @41776 has 1 MA's), (10, 41746), (12, 41698), (13, 41656),

Gene: Pelly_68 Start: 44825, Stop: 44532, Start Num: 7

Candidate Starts for Pelly_68:

(4, 44852), (Start: 7 @44825 has 215 MA's), (Start: 9 @44780 has 1 MA's), (12, 44702), (13, 44660),

Gene: Pepe_64 Start: 41654, Stop: 41361, Start Num: 7

Candidate Starts for Pepe_64:

(Start: 7 @41654 has 215 MA's), (Start: 9 @41609 has 1 MA's), (10, 41579), (12, 41531), (13, 41489),

Gene: Perseus_64 Start: 44104, Stop: 43811, Start Num: 7

Candidate Starts for Perseus_64:

(Start: 7 @44104 has 215 MA's), (Start: 9 @44059 has 1 MA's), (10, 44029), (12, 43981), (13, 43939),

Gene: Peterson_69 Start: 44970, Stop: 44677, Start Num: 7

Candidate Starts for Peterson_69:

(Start: 7 @44970 has 215 MA's), (Start: 9 @44925 has 1 MA's), (10, 44895), (12, 44847), (13, 44805),

Gene: Petp2012_69 Start: 44669, Stop: 44376, Start Num: 7

Candidate Starts for Petp2012_69:

(4, 44696), (Start: 7 @44669 has 215 MA's), (Start: 9 @44624 has 1 MA's), (10, 44594), (12, 44546), (13, 44504),

Gene: Petruccio_68 Start: 42490, Stop: 42197, Start Num: 7

Candidate Starts for Petruccio_68:

(1, 42748), (3, 42712), (4, 42517), (Start: 7 @42490 has 215 MA's), (Start: 9 @42445 has 1 MA's), (10, 42415), (12, 42367), (13, 42325),

Gene: PherrisBueller_67 Start: 41610, Stop: 41317, Start Num: 7

Candidate Starts for PherrisBueller_67:

(4, 41637), (Start: 7 @41610 has 215 MA's), (Start: 9 @41565 has 1 MA's), (10, 41535), (12, 41487), (13, 41445),

Gene: PhineBark_65 Start: 42788, Stop: 42495, Start Num: 7

Candidate Starts for PhineBark_65:

(Start: 7 @42788 has 215 MA's), (Start: 9 @42743 has 1 MA's), (10, 42713), (12, 42665), (13, 42623),

Gene: Phlippers_61 Start: 42632, Stop: 42339, Start Num: 7

Candidate Starts for Phlippers_61:

(4, 42659), (Start: 7 @42632 has 215 MA's), (Start: 9 @42587 has 1 MA's), (10, 42557), (11, 42545), (12, 42509), (13, 42467),

Gene: PhrostyMug_66 Start: 44118, Stop: 43825, Start Num: 7

Candidate Starts for PhrostyMug_66:

(Start: 7 @44118 has 215 MA's), (Start: 9 @44073 has 1 MA's), (10, 44043), (12, 43995), (13, 43953),

Gene: PinkPlastic_65 Start: 42426, Stop: 42133, Start Num: 7

Candidate Starts for PinkPlastic_65:

(4, 42453), (Start: 7 @42426 has 215 MA's), (Start: 9 @42381 has 1 MA's), (10, 42351), (12, 42303), (13, 42261),

Gene: Pinto_66 Start: 42379, Stop: 42086, Start Num: 7

Candidate Starts for Pinto_66:

(1, 42637), (3, 42601), (4, 42406), (Start: 7 @42379 has 215 MA's), (Start: 9 @42334 has 1 MA's), (10, 42304), (12, 42256), (13, 42214),

Gene: Pippin_65 Start: 41805, Stop: 41512, Start Num: 7

Candidate Starts for Pippin_65:

(4, 41832), (Start: 7 @41805 has 215 MA's), (Start: 9 @41760 has 1 MA's), (10, 41730), (12, 41682), (13, 41640),

Gene: Pita2_67 Start: 42577, Stop: 42284, Start Num: 7

Candidate Starts for Pita2_67:

(4, 42604), (Start: 7 @42577 has 215 MA's), (Start: 9 @42532 has 1 MA's), (10, 42502), (12, 42454), (13, 42412),

Gene: PowerRanger_65 Start: 43852, Stop: 43559, Start Num: 7

Candidate Starts for PowerRanger_65:

(4, 43879), (Start: 7 @43852 has 215 MA's), (Start: 9 @43807 has 1 MA's), (12, 43729), (13, 43687),

Gene: ProMouse_67 Start: 43095, Stop: 42802, Start Num: 7

Candidate Starts for ProMouse_67:

(4, 43122), (Start: 7 @43095 has 215 MA's), (Start: 9 @43050 has 1 MA's), (10, 43020), (12, 42972), (13, 42930),

Gene: Puppet_63 Start: 43810, Stop: 43517, Start Num: 7

Candidate Starts for Puppet_63:

(5, 43846), (Start: 7 @43810 has 215 MA's), (Start: 9 @43765 has 1 MA's), (10, 43735), (12, 43687), (13, 43645),

Gene: QTRlifeCrisis_67 Start: 43106, Stop: 42813, Start Num: 7

Candidate Starts for QTRlifeCrisis_67:

(4, 43133), (Start: 7 @43106 has 215 MA's), (Start: 9 @43061 has 1 MA's), (10, 43031), (12, 42983), (13, 42941),

Gene: Raid_66 Start: 42932, Stop: 42639, Start Num: 7

Candidate Starts for Raid_66:

(4, 42959), (Start: 7 @42932 has 215 MA's), (8, 42899), (Start: 9 @42887 has 1 MA's), (10, 42857), (12, 42809), (13, 42767),

Gene: Rajelicia_66 Start: 44209, Stop: 43916, Start Num: 7

Candidate Starts for Rajelicia_66:

(4, 44236), (Start: 7 @44209 has 215 MA's), (Start: 9 @44164 has 1 MA's), (10, 44134), (12, 44086), (13, 44044),

Gene: Rhynn_62 Start: 42109, Stop: 41816, Start Num: 7

Candidate Starts for Rhynn_62:

(Start: 7 @42109 has 215 MA's), (Start: 9 @42064 has 1 MA's), (10, 42034), (12, 41986), (13, 41944),

Gene: RidgeCB_66 Start: 42526, Stop: 42233, Start Num: 7

Candidate Starts for RidgeCB_66:

(4, 42553), (Start: 7 @42526 has 215 MA's), (Start: 9 @42481 has 1 MA's), (10, 42451), (12, 42403), (13, 42361),

Gene: Ringer_69 Start: 44632, Stop: 44339, Start Num: 7

Candidate Starts for Ringer_69:

(4, 44659), (Start: 7 @44632 has 215 MA's), (Start: 9 @44587 has 1 MA's), (10, 44557), (12, 44509), (13, 44467),

Gene: Rohr_67 Start: 43844, Stop: 43551, Start Num: 7

Candidate Starts for Rohr_67:

(4, 43871), (Start: 7 @43844 has 215 MA's), (Start: 9 @43799 has 1 MA's), (10, 43769), (12, 43721), (13, 43679),

Gene: Rubeus_65 Start: 40346, Stop: 40053, Start Num: 7

Candidate Starts for Rubeus_65:

(4, 40373), (Start: 7 @40346 has 215 MA's), (Start: 9 @40301 has 1 MA's), (10, 40271), (12, 40223), (13, 40181),

Gene: Rufus_68 Start: 43030, Stop: 42737, Start Num: 7

Candidate Starts for Rufus_68:

(4, 43057), (Start: 7 @43030 has 215 MA's), (Start: 9 @42985 has 1 MA's), (10, 42955), (12, 42907), (13, 42865),

Gene: Ruotula_72 Start: 45133, Stop: 44840, Start Num: 7

Candidate Starts for Ruotula_72:

(4, 45160), (Start: 7 @45133 has 215 MA's), (Start: 9 @45088 has 1 MA's), (10, 45058), (12, 45010), (13, 44968),

Gene: Rutherferd_67 Start: 43925, Stop: 43632, Start Num: 7

Candidate Starts for Rutherferd_67:

(Start: 7 @43925 has 215 MA's), (Start: 9 @43880 has 1 MA's), (12, 43802), (13, 43760),

Gene: STLscum_75 Start: 44847, Stop: 44554, Start Num: 7

Candidate Starts for STLscum_75:

(Start: 7 @44847 has 215 MA's), (Start: 9 @44802 has 1 MA's), (10, 44772), (12, 44724), (13, 44682),

Gene: Sagefire_67 Start: 44059, Stop: 43766, Start Num: 7

Candidate Starts for Sagefire_67:

(Start: 7 @44059 has 215 MA's), (Start: 9 @44014 has 1 MA's), (10, 43984), (12, 43936), (13, 43894),

Gene: Sandaddy_63 Start: 42327, Stop: 42034, Start Num: 7

Candidate Starts for Sandaddy_63:

(4, 42354), (Start: 7 @42327 has 215 MA's), (Start: 9 @42282 has 1 MA's), (10, 42252), (12, 42204), (13, 42162),

Gene: Sanya_62 Start: 43541, Stop: 43293, Start Num: 9

Candidate Starts for Sanya_62:

(4, 43613), (Start: 7 @43586 has 215 MA's), (Start: 9 @43541 has 1 MA's), (10, 43511), (12, 43463), (13, 43421),

Gene: SarFire_65 Start: 42573, Stop: 42280, Start Num: 7

Candidate Starts for SarFire_65:

(4, 42600), (Start: 7 @42573 has 215 MA's), (Start: 9 @42528 has 1 MA's), (12, 42450), (13, 42408),

Gene: Scowl_67 Start: 42499, Stop: 42206, Start Num: 7

Candidate Starts for Scowl_67:

(Start: 7 @42499 has 215 MA's), (Start: 9 @42454 has 1 MA's), (10, 42424), (12, 42376), (13, 42334),

Gene: ShortQueendom_57 Start: 40038, Stop: 39745, Start Num: 7

Candidate Starts for ShortQueendom_57:

(4, 40065), (Start: 7 @40038 has 215 MA's), (Start: 9 @39993 has 1 MA's), (10, 39963), (12, 39915), (13, 39873),

Gene: Sibs6_68 Start: 41229, Stop: 40936, Start Num: 7

Candidate Starts for Sibs6_68:

(4, 41256), (Start: 7 @41229 has 215 MA's), (Start: 9 @41184 has 1 MA's), (10, 41154), (12, 41106), (13, 41064),

Gene: SkiPole_74 Start: 44120, Stop: 43827, Start Num: 7

Candidate Starts for SkiPole_74:

(Start: 7 @44120 has 215 MA's), (Start: 9 @44075 has 1 MA's), (10, 44045), (12, 43997), (13, 43955),

Gene: Slagathor_68 Start: 44595, Stop: 44302, Start Num: 7

Candidate Starts for Slagathor_68:

(4, 44622), (Start: 7 @44595 has 215 MA's), (Start: 9 @44550 has 1 MA's), (10, 44520), (12, 44472), (13, 44430),

Gene: Smairt_68 Start: 45112, Stop: 44819, Start Num: 7

Candidate Starts for Smairt_68:

(Start: 7 @45112 has 215 MA's), (Start: 9 @45067 has 1 MA's), (10, 45037), (12, 44989), (13, 44947),

Gene: Smeagol_68 Start: 44353, Stop: 44060, Start Num: 7

Candidate Starts for Smeagol_68:

(Start: 7 @44353 has 215 MA's), (Start: 9 @44308 has 1 MA's), (10, 44278), (12, 44230), (13, 44188),

Gene: Snazzy_63 Start: 41494, Stop: 41201, Start Num: 7

Candidate Starts for Snazzy_63:

(4, 41521), (Start: 7 @41494 has 215 MA's), (Start: 9 @41449 has 1 MA's), (10, 41419), (12, 41371), (13, 41329),

Gene: Solon_64 Start: 42070, Stop: 41777, Start Num: 7

Candidate Starts for Solon_64:

(4, 42097), (Start: 7 @42070 has 215 MA's), (Start: 9 @42025 has 1 MA's), (10, 41995), (11, 41983), (12, 41947), (13, 41905),

Gene: Sorpresa_64 Start: 42329, Stop: 42036, Start Num: 7

Candidate Starts for Sorpresa_64:

(4, 42356), (Start: 7 @42329 has 215 MA's), (Start: 9 @42284 has 1 MA's), (10, 42254), (12, 42206), (13, 42164),

Gene: SpikeBT_64 Start: 42693, Stop: 42400, Start Num: 7

Candidate Starts for SpikeBT_64:

(4, 42720), (Start: 7 @42693 has 215 MA's), (Start: 9 @42648 has 1 MA's), (10, 42618), (11, 42606), (12, 42570), (13, 42528),

Gene: Squee_69 Start: 42726, Stop: 42433, Start Num: 7

Candidate Starts for Squee_69:

(Start: 7 @42726 has 215 MA's), (Start: 9 @42681 has 1 MA's), (10, 42651), (12, 42603), (13, 42561),

Gene: StewieG_60 Start: 38877, Stop: 38584, Start Num: 7

Candidate Starts for StewieG_60:

(1, 39135), (3, 39099), (4, 38904), (Start: 7 @38877 has 215 MA's), (Start: 9 @38832 has 1 MA's), (10, 38802), (12, 38754), (13, 38712),

Gene: StrongArm_64 Start: 43443, Stop: 43150, Start Num: 7

Candidate Starts for StrongArm_64:

(4, 43470), (Start: 7 @43443 has 215 MA's), (Start: 9 @43398 has 1 MA's), (10, 43368), (12, 43320), (13, 43278),

Gene: Sumter_62 Start: 42684, Stop: 42391, Start Num: 7

Candidate Starts for Sumter_62:

(4, 42711), (Start: 7 @42684 has 215 MA's), (Start: 9 @42639 has 1 MA's), (10, 42609), (12, 42561), (13, 42519),

Gene: Sunshine924_71 Start: 43388, Stop: 43095, Start Num: 7

Candidate Starts for Sunshine924_71:

(Start: 7 @43388 has 215 MA's), (Start: 9 @43343 has 1 MA's), (10, 43313), (12, 43265), (13, 43223),

Gene: SwissCheese_69 Start: 42912, Stop: 42619, Start Num: 7

Candidate Starts for SwissCheese_69:

(4, 42939), (Start: 7 @42912 has 215 MA's), (Start: 9 @42867 has 1 MA's), (10, 42837), (12, 42789), (13, 42747),

Gene: Switzer_67 Start: 44218, Stop: 43925, Start Num: 7

Candidate Starts for Switzer_67:

(Start: 7 @44218 has 215 MA's), (Start: 9 @44173 has 1 MA's), (10, 44143), (12, 44095), (13, 44053),

Gene: Swole_67 Start: 42487, Stop: 42194, Start Num: 7

Candidate Starts for Swole_67:

(4, 42514), (Start: 7 @42487 has 215 MA's), (Start: 9 @42442 has 1 MA's), (10, 42412), (12, 42364), (13, 42322),

Gene: Target_69 Start: 42804, Stop: 42511, Start Num: 7

Candidate Starts for Target_69:

(Start: 7 @42804 has 215 MA's), (Start: 9 @42759 has 1 MA's), (10, 42729), (12, 42681), (13, 42639),

Gene: Tasp14_69 Start: 44447, Stop: 44154, Start Num: 7

Candidate Starts for Tasp14_69:

(Start: 7 @44447 has 215 MA's), (Start: 9 @44402 has 1 MA's), (10, 44372), (12, 44324), (13, 44282),

Gene: Teodoridan_65 Start: 41810, Stop: 41517, Start Num: 7

Candidate Starts for Teodoridan_65:

(Start: 7 @41810 has 215 MA's), (Start: 9 @41765 has 1 MA's), (10, 41735), (12, 41687), (13, 41645),

Gene: TheloniousMonk_70 Start: 45181, Stop: 44888, Start Num: 7

Candidate Starts for TheloniousMonk_70:

(4, 45208), (Start: 7 @45181 has 215 MA's), (Start: 9 @45136 has 1 MA's), (10, 45106), (12, 45058), (13, 45016),

Gene: Thor_65 Start: 41931, Stop: 41638, Start Num: 7

Candidate Starts for Thor_65:

(4, 41958), (Start: 7 @41931 has 215 MA's), (Start: 9 @41886 has 1 MA's), (12, 41808), (13, 41766),

Gene: Topgun_63 Start: 41557, Stop: 41264, Start Num: 7

Candidate Starts for Topgun_63:

(4, 41584), (Start: 7 @41557 has 215 MA's), (Start: 9 @41512 has 1 MA's), (10, 41482), (12, 41434), (13, 41392),

Gene: Tote_62 Start: 39754, Stop: 39461, Start Num: 7

Candidate Starts for Tote_62:

(4, 39781), (Start: 7 @39754 has 215 MA's), (Start: 9 @39709 has 1 MA's), (10, 39679), (12, 39631), (13, 39589),

Gene: Traft412_69 Start: 43542, Stop: 43249, Start Num: 7

Candidate Starts for Traft412_69:

(Start: 7 @43542 has 215 MA's), (Start: 9 @43497 has 1 MA's), (10, 43467), (12, 43419), (13, 43377),

Gene: Treddle_66 Start: 43796, Stop: 43503, Start Num: 7

Candidate Starts for Treddle_66:

(4, 43823), (Start: 7 @43796 has 215 MA's), (Start: 9 @43751 has 1 MA's), (10, 43721), (11, 43709), (12, 43673), (13, 43631),

Gene: Tripl3t_70 Start: 45279, Stop: 44986, Start Num: 7

Candidate Starts for Tripl3t_70:

(Start: 7 @45279 has 215 MA's), (Start: 9 @45234 has 1 MA's), (10, 45204), (11, 45192), (12, 45156), (13, 45114),

Gene: Trouble_66 Start: 42897, Stop: 42604, Start Num: 7

Candidate Starts for Trouble_66:

(Start: 7 @42897 has 215 MA's), (Start: 9 @42852 has 1 MA's), (10, 42822), (12, 42774), (13, 42732),

Gene: Turj99_64 Start: 43466, Stop: 43173, Start Num: 7

Candidate Starts for Turj99_64:

(4, 43493), (Start: 7 @43466 has 215 MA's), (10, 43391), (12, 43343), (13, 43301),

Gene: TwoPeat_67 Start: 43318, Stop: 43025, Start Num: 7

Candidate Starts for TwoPeat_67:

(4, 43345), (Start: 7 @43318 has 215 MA's), (Start: 9 @43273 has 1 MA's), (10, 43243), (12, 43195), (13, 43153),

Gene: U2_62 Start: 43288, Stop: 42995, Start Num: 7

Candidate Starts for U2_62:

(4, 43315), (Start: 7 @43288 has 215 MA's), (Start: 9 @43243 has 1 MA's), (10, 43213), (12, 43165), (13, 43123),

Gene: Violet_63 Start: 44154, Stop: 43861, Start Num: 7

Candidate Starts for Violet_63:

(4, 44181), (Start: 7 @44154 has 215 MA's), (Start: 9 @44109 has 1 MA's), (10, 44079), (12, 44031), (13, 43989),

Gene: Watermelon_65 Start: 41890, Stop: 41597, Start Num: 7

Candidate Starts for Watermelon_65:

(4, 41917), (Start: 7 @41890 has 215 MA's), (Start: 9 @41845 has 1 MA's), (10, 41815), (12, 41767), (13, 41725),

Gene: Wheeler_68 Start: 43157, Stop: 42864, Start Num: 7

Candidate Starts for Wheeler_68:

(4, 43184), (Start: 7 @43157 has 215 MA's), (Start: 9 @43112 has 1 MA's), (10, 43082), (11, 43070), (12, 43034), (13, 42992),

Gene: Whitspit_61 Start: 40235, Stop: 39942, Start Num: 7

Candidate Starts for Whitspit_61:

(Start: 7 @40235 has 215 MA's), (Start: 9 @40190 has 1 MA's), (10, 40160), (12, 40112), (13, 40070),

Gene: Wilkins_64 Start: 41487, Stop: 41194, Start Num: 7

Candidate Starts for Wilkins_64:

(4, 41514), (Start: 7 @41487 has 215 MA's), (Start: 9 @41442 has 1 MA's), (10, 41412), (12, 41364), (13, 41322),

Gene: Zeeculate_65 Start: 43127, Stop: 42834, Start Num: 7

Candidate Starts for Zeeculate_65:

(Start: 7 @43127 has 215 MA's), (Start: 9 @43082 has 1 MA's), (10, 43052), (12, 43004), (13, 42962), (14, 42857),

Gene: Zephyr_67 Start: 42228, Stop: 41935, Start Num: 7

Candidate Starts for Zephyr_67:

(4, 42255), (Start: 7 @42228 has 215 MA's), (Start: 9 @42183 has 1 MA's), (10, 42153), (12, 42105), (13, 42063),

Gene: Zeuska_71 Start: 45391, Stop: 45098, Start Num: 7

Candidate Starts for Zeuska_71:

(Start: 7 @45391 has 215 MA's), (Start: 9 @45346 has 1 MA's), (10, 45316), (12, 45268), (13, 45226),